

CHAPTER NO. 29 SEWERAGE AND DRAINAGE

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.1		Excavation in open cutting or in streets and lanes for intramural sullage drains, extramural intercepting drains and outfall drains above top of drains cunnetes, storm water channels and other work contingent or incident thereto, to full dimensions and depth as shown on the drawings or as shall be required by Engineer in-charge including dressing to correct sections and dimensions according to templates and levels, dewatering of rain water, diversion of traffic, Providing and fixing and maintenance of caution boards, night signals, crossing over trenches for access to the houses, watching etc. and of removal of surplus spoil from the site of work including all lift and lead for depths to 2 m below natural ground level upto 60 ms of length of lead in disposing surplus spoil.								
i		All classes of soil except rocky								
		Unit :-	1	Cum						
I		Labour								
		Taking output	85	Cum.						
(i)		Mazdoor (Skilled - Upper)		Each	12.000	164.69	1976.28			
(ii)		Mazdoor (Skilled - Lower)		Each	9.000	153.56	1382.04			
(iii)		Mazdoor (Skilled - Upper) for dressing sides bed to correct section trimming levelling of trenches and dewatering of rain water		Each	3.000	164.69	494.07			
(iv)		Provision for Diversion of traffic, Providing and fixing of night signals, caution boards watching & fencing etc. @ 4% of labour cost i.e. on					154.10			
(v)		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 3852.39					77.05			
(vi)		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (10% earth will be surplus) (6.8 (a) (i))		Cum	76.500	25.20	1927.80			
(vii)		Removal of surplus soil upto 60 m. lead (10% surplus) (Rate as per sub analysis attached)		Cum	8.500	47.08	400.18			
		Total - I					6411.52			
		Sundries @ 3% i.e. on Rs. 6411.52					193.56			
		Add contractor's profit @ 21.50% i.e. on Rs. 6605.08					1420.09			
		Add Labour cess @ 1% i.e. on Rs. 8025.17					80.74			
		Labour for	85	Cum.			8105.91			
		Labour for	1	Cum			95.36			95.36
		Cost for	1	Cum			95.36			
		Add 10% for sub mountainous region								9.54
		Labour for	1	Cum						104.90

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Cost for 1 Cum								104.90

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
ii		For Ordinary gravel soil involving pick work										
			Unit :-	1	Cum							
I		Labour										
		Taking output										
				85	Cum.							
(i)		Mazdoor (Skilled - Upper)			Each	24.000	164.69	3952.56				
(ii)		Mazdoor (Skilled - Lower)			Each	9.000	153.56	1382.04				
(iii)		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches etc, and dewatering of rain water			Each	3.000	164.69	494.07				
(iv)		Provision for Diversion of traffic, night signals fixing, providing cautionary boards & watching etc. @ 4% of labour cost i.e. on Rs. 5828.67						233.15				
(v)		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 5828.67						116.57				
(vi)		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (10% earth will be surplus) (6.8 (a) (ii))			Cum	76.500	18.95	1449.68				
(vii)		Removal of surplus soil to 60 m. lead (10% surplus) (Rate as per sub analysis attached)			Cum	8.500	47.08	400.18				
		Total - I						8028.25				
		Sundries @ 3% i.e. on Rs. 8028.25						240.85				
		Add contractor's profit @ 21.50% i.e. on Rs. 8269.1						1777.86				
		Add Labour cess @ 1% i.e. on Rs. 10046.96						100.47				
		Labour for		85	Cum.			10147.43				
		Labour for		1	Cum			119.38	119.38			119.38
		Cost for		1	Cum				119.38			
		Add 10% for sub mountainous region										11.94
		Labour for		1	Cum							131.32
		Cost for		1	Cum							131.32

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
ii		For Ordinary gravel soil involving pick work										
			Unit :-	1	Cum							
I		Labour										
		Taking output										
				85	Cum.							
(i)		Mazdoor (Skilled - Upper)			Each	24.000	164.69	3952.56				
(ii)		Mazdoor (Skilled - Lower)			Each	9.000	153.56	1382.04				
(iii)		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches etc, and dewatering of rain water			Each	3.000	164.69	494.07				
(iv)		Provision for Diversion of traffic, Providing and fixing night signals fixing, providing caution boards & watching etc. @ 4% of labour cost i.e. on						233.15				
(v)		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 5828.67						116.57				
(vi)		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (10% earth will be surplus) (6.8 (a) (ii))			Cum	76.500	25.20	1927.80				
(vii)		Removal of surplus soil upto 60 m. lead (10% surplus) (Rate as per sub analysis attached)			Cum	8.500	47.08	400.18				
		Total - I						8506.37				
		Sundries @ 3% i.e. on Rs. 8506.37						255.19				
		Add contractor's profit @ 21.50% i.e. on Rs. 8761.56						1883.74				
		Add Labour cess @ 1% i.e. on Rs. 10645.3						106.45				
		Labour for										
				85	Cum.			10751.75				
		Labour for						126.49	126.49			126.49
		Cost for							126.49			
		Add 10% for sub mountainous region										12.65
		Labour for										139.14
		Cost for										139.14

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.2		Earth work in excavation in Foundations Trenches etc., for storage and sedimentation tanks, high level tanks, filter beds, clear water reservoirs, pump houses, sumps, screening chambers and other similar works to full dimension and depth as shown on the drawings or as shall be required by Engineer-in-charge, including dressing of bottom and sides of trenches, stacking the excavated soil clear from the excavation and subsequent filling around Plinth/structures in 15 cms. layers with compaction including Disposal of surplus spoils as Directed within a lead of 30 ms :-								
A		Not exceeding 1.50 m. depth								
i		All classes of soil except rocky								
		Unit :-	1	Cum						
I		Labour								
		Taking output	85	Cum.						
(i)		Mazdoor (Skilled - Upper)		Each	12.000	164.69	1976.28			
(ii)		Mazdoor (Skilled - Lower)		Each	9.000	153.56	1382.04			
(iii)		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches etc, and dewatering of rain water		Each	1.500	164.69	247.04			
(iv)		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (50% earth will be surplus) (6.8 (a) (i))		Cum	42.500	25.20	1071.00			
(v)		Removal of surplus soil to 30 m. lead (10% surplus) (Rate as per sub analysis attached)		Cum	42.500	24.18	1027.65			
		Total - I					5704.01			
		Sundries @ 3% i.e. on Rs. 5704.01					171.12			
		Add contractor's profit @ 21.50% i.e. on Rs. 5875.13					1263.15			
		Add Labour cess @ 1% i.e. on Rs. 7138.28					71.38			
		Labour for	85	Cum.			7209.66			
		Labour for	1	Cum			84.82	84.82		84.82
		Cost for	1	Cum				84.82		
		Add 10% for sub mountainous region								8.48
		Labour for	1	Cum						93.30
		Cost for	1	Cum						93.30

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
ii		For Ordinary gravel soil involving pick work										
		Unit :-	1	Cum								
I		Labour										
		Taking output										
			85	Cum.								
(i)		Mazdoor (Skilled - Upper)			Each	21.000	164.69	3458.49				
(ii)		Mazdoor (Skilled - Lower)			Each	12.000	153.56	1842.72				
(iii)		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches etc, and dewatering of rain water			Each	3.000	164.69	494.07				
(iv)		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (50% earth will be surplus) (6.8 (a) (i))			Cum	42.500	18.95	805.38				
(v)		Removal of surplus soil to 30 m. lead (10% surplus) (Rate as per sub analysis attached)			Cum	42.500	24.18	1027.65				
		Total - I						7628.31				
		Sundries @ 3% i.e. on Rs. 7628.31						228.85				
		Add contractor's profit @ 21.50% i.e. on Rs. 7857.16						1689.29				
		Add Labour cess @ 1% i.e. on Rs. 9546.45						95.46				
		Labour for	85	Cum.				9641.91				
		Labour for	1	Cum				113.43	113.43			113.43
		Cost for	1	Cum					113.43			
		Add 10% for sub mountainous region										11.34
		Labour for	1	Cum								124.77
		Cost for	1	Cum								124.77

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iii		For semi conglomerate or soil of the nature of pick and jumper work										
			Unit :-	1	Cum							
I		Labour										
		Taking output										
				85	Cum.							
(i)		Mazdoor (Skilled - Upper)			Each	30.000	164.69	4940.70				
(ii)		Mazdoor (Skilled - Lower)			Each	15.000	153.56	2303.40				
(iii)		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	3.000	164.69	494.07				
(iv)		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (50% earth will be surplus) (6.8 (a) (i))			Cum	42.500	18.95	805.38				
(v)		Removal of surplus soil to 30 m. lead (50% surplus) (Rate as per sub analysis attached)			Cum	42.500	24.18	1027.65				
		Total - I						9571.20				
		Sundries @ 3% i.e. on Rs. 9571.2						287.14				
		Add contractor's profit @ 21.50% i.e. on Rs. 9858.34						2119.54				
		Add Labour cess @ 1% i.e. on Rs. 11977.88						119.78				
		Labour for		85	Cum.			12097.66				
		Labour for		1	Cum.			142.33	142.33			142.33
		Cost for		1	Cum.				142.33			
		Add 10% for sub mountainous region										14.23
		Labour for		1	Cum.							156.56
		Cost for		1	Cum.							156.56

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
B		Extra for evry additional depth of 1.50 m. or parts thereof beyond 1.5 m depth.										
i		All classes of soil except rocky										
		Unit :-	1	Cum								
I		Labour										
		Taking output	85	Cum.								
(i)		Mazdoor (Skilled - Upper)			Each	2.250	164.69	370.55				
		Total - I						370.55				
		Sundries @ 3% i.e. on Rs. 370.55						11.12				
		Add contractor's profit @ 21.50% i.e. on Rs. 381.67						82.06				
		Add Labour cess @ 1% i.e. on Rs. 463.73						4.64				
		Labour for	85	Cum.				468.37				
		Labour for	1	Cum				5.51	5.51			5.51
		Cost for	1	Cum					5.51			
		Add 10% for sub mountainous region										0.55
		Labour for	1	Cum								6.06
		Cost for	1	Cum								6.06

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
ii		For Ordinary gravel soil involving pick work										
			Unit :-	1	Cum							
I		Labour										
		Taking output										
				85	Cum.							
(i)		Mazdoor (Skilled - Upper)			Each	3.000	164.69	494.07				
		Total - I						494.07				
		Sundries @ 3% i.e. on Rs. 494.07						14.82				
		Add contractor's profit @ 21.50% i.e. on Rs. 508.89						109.41				
		Add Labour cess @ 1% i.e. on Rs. 618.3						6.18				
		Labour for		85	Cum.			624.48				
		Labour for		1	Cum			7.35	7.35			7.35
		Cost for		1	Cum				7.35			
		Add 10% for sub mountainous region										0.74
		Labour for		1	Cum							8.09
		Cost for		1	Cum							8.09

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iii		For semi conglomerate or soil of the nature of pick and jumper work										
			Unit :-	1	Cum.							
I		Labour										
		Taking output										
				85	Cum.							
(i)		Mazdoor (Skilled - Upper)			Each	4.500	164.69	741.11				
		Total - I						741.11				
		Sundries @ 3% i.e. on Rs. 741.11						22.23				
		Add contractor's profit @ 21.50% i.e. on Rs. 763.34						164.12				
		Add Labour cess @ 1% i.e. on Rs. 927.46						9.27				
		Labour for		85	Cum.			936.73				
		Labour for		1	Cum.			11.02	11.02			11.02
		Cost for		1	Cum.				11.02			
		Add 10% for sub mountainous region										1.10
		Labour for		1	Cum.							12.12
		Cost for		1	Cum.							12.12

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.3		Extra for every 7.5 meters additional lead beyond leads, specified in item No. 29.1 and 29.2 above up to 300 ms.			Rate will be derived from Ch. 5					
(b)		Extra for every 7.50meter additional lead beyond 300 meters upto 450 meters see iten (6.2 (c) (ii))			Rate will be derived from Ch. 5					

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.4		Excavation of trenches in a Streets, Lanes or in Open Area for Storm Sewers and Manholes to Full Depths as Shown in Drawings, Including Shoring, Timbering of Poling Board Frame System Type, dressing to correct sections and dewatering, provision for diversion for traffic, protection of existing services i.e. telephone cables ,electric lines, water supply lines and gas lines.night signals, profiles, Pegs, Sight rails, boning rods, crossing over trenches for access to the houses, watching, fencing etc., fixing and maintenance of caution boards, refilling trenches, watering of refill in 15 cm layers, ramming and restoration of surface to original conditions and removal of Surplus Spoil from the Site of Works, for all Works other than connections to Ventilating Shafts upto a Lead of one Kilom.								
A		For depth not exceeding 3 m. below Ground level								
i		All classes of soil except rocky								
		Unit :-	1	Cum						
I		Labour								
		Taking output	85	Cum.						
i		Mazdoor (Skilled - Upper)		Each	15.000	164.69	2470.35			
ii		Mazdoor (Skilled - Lower)		Each	9.000	153.56	1382.04			
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water		Each	3.000	164.69	494.07			
iv		Provision for providing templates, Sight Rails, boning rods, pegs etc.@ 6% of labour cost i.e. on Rs. 4346.46					260.79			
v		Provision for Diversion of traffic, Providing and fiixng night signals, cautionary boards watching & fencing etc. @ 4% of labour cost i.e. on					173.86			
vi		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 4346.46					86.93			
vii		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (20% earth will be surplus) (6.8 (a) (i))		Cum	68.000	18.95	1288.60			
viii		Provision for timbering of trenches for 85 cum. of earthwork (Rate as per analysis attached)		Cum	85.000	62.50	5312.50			
ix		Removal of surplus soil to one km. lead (20% surplus) (Rate as per sub analysis attached)		Cum	17.000	153.73	2613.41			
		Total - I					14082.55			
		Sundries @ 3% i.e. on Rs. 14082.55					422.48			
		Add contractor's profit @ 21.50% i.e. on Rs. 14505.03					3118.58			
		Add Labour cess @ 1% i.e. on Rs. 17623.61					176.24			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Labour for	85	Cum.				17799.85				
		Labour for	1	Cum				209.41	209.41			209.41
		Cost for	1	Cum					209.41			
		Add 10% for sub mountainous region										20.94
		Labour for	1	Cum								230.35
		Cost for	1	Cum								230.35

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
ii		For Ordinary gravel soil involving pick work										
			Unit :-	1	Cum							
I		Labour										
		Taking output										
			85	Cum.								
i		Mazdoor (Skilled - Upper)			Each	21.000	164.69	3458.49				
ii		Mazdoor (Skilled - Lower)			Each	15.000	153.56	2303.40				
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	3.000	164.69	494.07				
iv		Provision for providing templates, Sight Rails, boning rods, pegs etc. @ 6% of labour cost i.e. on Rs. 6255.96						375.36				
v		Provision for Diversion of traffic, Providing and fixing night signals, cautionary boards watching & fencing etc. @ 4% of labour cost i.e. on						250.24				
vi		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 6255.96						125.12				
vii		Refilling trenches in 15cm layers ramming watering and dressing to its original condition(20% earth will be surplus) (6.8 (a) (i))			Cum	68.000	18.95	1288.60				
viii		Provision for timbering of trenches for 85 cum. of earthwork (Rate as per analysis attached)			Cum	85.000	62.50	5312.50				
ix		Removal of surplus soil to one km. lead (20% surplus) (Rate as per sub analysis attached)			Cum	17.000	153.73	2613.41				
		Total - I						16221.19				
		Sundries @ 3% i.e. on Rs. 16221.19						486.64				
		Add contractor's profit @ 21.50% i.e. on Rs. 16707.83						3592.18				
		Add Labour cess @ 1% i.e. on Rs. 20300.01						203.00				
		Labour for	85	Cum.				20503.01				
		Labour for	1	Cum				241.21	241.21			241.21
		Cost for	1	Cum					241.21			
		Add 10% for sub mountainous region										24.12
		Labour for	1	Cum								265.33
		Cost for	1	Cum								265.33

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							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iii		For semi conglomerate or soil of the nature of pick and jumper work										
			Unit :-	1	Cum.							
I		Labour										
		Taking output										
				85	Cum.							
i		Mazdoor (Skilled - Upper)			Each	33.000	164.69	5434.77				
ii		Mazdoor (Skilled - Lower)			Each	18.000	153.56	2764.08				
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	4.500	164.69	741.11				
iv		Provision for providing templates, Sight Rails, boning rods, pegs etc. @ 6% of labour cost i.e. on Rs. 8939.96						536.40				
v		Provision for Diversion of traffic, Providing and fixing night signals, cautionary boards watching & fencing etc. @ 4% of labour cost i.e. on						357.60				
vi		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 8939.96						178.80				
vii		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (20% earth will be surplus) (6.8 (a) (i))			Cum	68.000	18.95	1288.60				
viii		Provision for timbering of trenches for 85 cum. of earthwork (Rate as per analysis attached)			Cum	85.000	62.50	5312.50				
ix		Removal of surplus soil to one km. lead (20% surplus) (Rate as per sub analysis attached)			Cum	17.000	153.73	2613.41				
		Total - I						19227.27				
		Sundries @ 3% i.e. on Rs. 19227.27						576.82				
		Add contractor's profit @ 21.50% i.e. on Rs. 19804.09						4257.88				
		Add Labour cess @ 1% i.e. on Rs. 24061.97						240.62				
		Labour for										
			85	Cum.				24302.59				
		Labour for										
			1	Cum.				285.91	285.91			285.91
		Cost for										
			1	Cum.					285.91			
		Add 10% for sub mountainous region										28.59
		Labour for										
			1	Cum.								314.50
		Cost for										
			1	Cum.								314.50

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
B		For depth exceeding 3 ms but not exceeding 4.5 ms below natural ground level										
i		All classes of soil except rocky										
			Unit :-	1	Cum							
I		Labour										
		Taking output			85	Cum.						
i		Mazdoor (Skilled - Upper)				Each	21.000	164.69	3458.49			
ii		Mazdoor (Skilled - Lower)				Each	12.000	153.56	1842.72			
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water				Each	0.750	164.69	123.52			
iv		Provision for Diversion of traffic, Providing and fixing night signals, cautionary boards watching & fencing etc. @ 4% of labour cost i.e. on							216.99			
v		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 5424.73							108.49			
vi		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (20% earth will be surplus) (6.8 (a) (i))				Cum	68.000	18.95	1288.60			
vii		Extra additional 3 leads of 7.5 ms. (Rate same as CSR item 6.2 c)				Cum	68.000	3.96	269.28			
viii		Provision for timbering of trenches for 85 cum. of earthwork (Rate as per analysis attached)				Cum	85.000	62.50	5312.50			
ix		Removal of surplus soil to one km. lead (20% surplus) (Rate as per sub analysis attached)				Cum	17.000	153.73	2613.41			
		Total - I							15234.00			
		Sundries @ 3% i.e. on Rs. 15234							457.02			
		Add contractor's profit @ 21.50% i.e. on Rs. 15691.02							3373.57			
		Add Labour cess @ 1% i.e. on Rs. 19064.59							190.65			
		Labour for	85	Cum.					19255.24			
		Labour for	1	Cum					226.53	226.53		226.53
		Cost for	1	Cum						226.53		
		Add 10% for sub mountainous region										22.65
		Labour for	1	Cum								249.18
		Cost for	1	Cum								249.18

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
ii		For Ordinary gravel soil involving pick work										
			Unit :-	1	Cum							
I		Labour										
		Taking output										
				85	Cum.							
i		Mazdoor (Skilled - Upper)			Each	27.000	164.69	4446.63				
ii		Mazdoor (Skilled - Lower)			Each	21.000	153.56	3224.76				
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	0.750	164.69	123.52				
iv		Provision for Diversion of traffic, Providing and fixing night signals, cautionary boards watching & fencing etc. @ 4% of labour cost i.e. on						311.80				
v		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 7794.91						155.90				
vi		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (20% earth will be surplus) (6.8 (a) (i))			Cum	68.000	18.95	1288.60				
vii		Extra additional 3 leads of 7.5 ms. (Rate same as CSR item 6.2 c)			Cum	68.000	3.96	269.28				
viii		Provision for timbering of trenches for 85 cum. of earthwork (Rate as per analysis attached)			Cum	85.000	62.50	5312.50				
ix		Removal of surplus soil to one km. lead (20% surplus) (Rate as per sub analysis attached)			Cum	17.000	153.73	2613.41				
		Total - I						17746.40				
		Sundries @ 3% i.e. on Rs. 17746.4						532.39				
		Add contractor's profit @ 21.50% i.e. on Rs. 18278.79						3929.94				
		Add Labour cess @ 1% i.e. on Rs. 22208.73						222.09				
		Labour for		85	Cum.			22430.82				
		Labour for		1	Cum			263.89	263.89			263.89
		Cost for		1	Cum				263.89			
		Add 10% for sub mountainous region										26.39
		Labour for		1	Cum							290.28
		Cost for		1	Cum							290.28

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iii		For semi conglomerate or soil of the nature of pick and jumper work										
		Unit :-	1	Cum.								
I		Labour										
		Taking output										
			85	Cum.								
i		Mazdoor (Skilled - Upper)			Each	45.000	164.69	7411.05				
ii		Mazdoor (Skilled - Lower)			Each	24.000	153.56	3685.44				
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	0.750	164.69	123.52				
iv		Provision for Diversion of traffic, Providing and fixing night signals, cautionary boards watching & fencing etc. @ 4% of labour cost i.e. on						448.80				
v		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 11220.01						224.40				
vi		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (20% earth will be surplus) (6.8 (a) (i))			Cum	68.000	18.95	1288.60				
vii		Extra additional 3 leads of 7.5 ms. (Rate same as CSR item 6.2 c)			Cum	68.000	3.96	269.28				
viii		Provision for timbering of trenches for 85 cum. of earthwork (Rate as per analysis attached)			Cum	85.000	62.50	5312.50				
ix		Removal of surplus soil to one km. lead (20% surplus) (Rate as per sub analysis attached)			Cum	17.000	153.73	2613.41				
		Total - I						21377.00				
		Sundries @ 3% i.e. on Rs. 21377						641.31				
		Add contractor's profit @ 21.50% i.e. on Rs. 22018.31						4733.94				
		Add Labour cess @ 1% i.e. on Rs. 26752.25						267.52				
		Labour for	85	Cum.				27019.77				
		Labour for	1	Cum.				317.88	317.88			317.88
		Cost for	1	Cum.					317.88			
		Add 10% for sub mountainous region										31.79
		Labour for	1	Cum.								349.67
		Cost for	1	Cum.								349.67

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
C		For depth exceeding 4.5 ms but not exceeding 6 ms below natural ground level										
i		All classes of soil except rocky										
			Unit :-	1	Cum							
I		Labour										
		Taking output			85	Cum.						
i		Mazdoor (Skilled - Upper)			Each	27.000	164.69	4446.63				
ii		Mazdoor (Skilled - Lower)			Each	18.000	153.56	2764.08				
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	0.750	164.69	123.52				
iv		Provision for Diversion of traffic, Providing and fixing night signals, cautionary boards watching & fencing etc. @ 4% of labour cost i.e. on						293.37				
v		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 7334.23						146.68				
vi		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (20% earth will be surplus) (6.8 (a) (i))			Cum	68.000	18.95	1288.60				
vii		Provision for timbering of trenches for 85 cum. of earthwork (Rate as per analysis attached)			Cum	85.000	62.50	5312.50				
viii		Removal of surplus soil to one km. lead (20% surplus) (Rate as per sub analysis attached)			Cum	17.000	153.73	2613.41				
		Total - I						16988.79				
		Sundries @ 3% i.e. on Rs. 16988.79						509.66				
		Add contractor's profit @ 21.50% i.e. on Rs. 17498.45						3762.17				
		Add Labour cess @ 1% i.e. on Rs. 21260.62						212.61				
		Labour for	85	Cum.				21473.23				
		Labour for	1	Cum				252.63	252.63			252.63
		Cost for	1	Cum					252.63			
		Add 10% for sub mountainous region										25.26
		Labour for	1	Cum								277.89
		Cost for	1	Cum								277.89

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
ii		For Ordinary gravel soil involving pick work										
		Unit :-	1	Cum								
I		Labour										
		Taking output										
			85	Cum.								
i		Mazdoor (Skilled - Upper)			Each	42.000	164.69	6916.98				
ii		Mazdoor (Skilled - Lower)			Each	21.000	153.56	3224.76				
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	0.750	164.69	123.52				
iv		Provision for Diversion of traffic, Providing and fixing night signals, cautionary boards watching & fencing etc. @ 4% of labour cost i.e. on						410.61				
v		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 10265.26						205.31				
vi		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (20% earth will be surplus) (6.8 (a) (i))			Cum	68.000	18.95	1288.60				
vii		Provision for timbering of trenches for 85 cum. of earthwork (Rate as per analysis attached)			Cum	85.000	62.50	5312.50				
viii		Removal of surplus soil to one km. lead (20% surplus) (Rate as per sub analysis attached)			Cum	17.000	153.73	2613.41				
		Total - I						20095.69				
		Sundries @ 3% i.e. on Rs. 20095.69						602.87				
		Add contractor's profit @ 21.50% i.e. on Rs. 20698.56						4450.19				
		Add Labour cess @ 1% i.e. on Rs. 25148.75						251.49				
		Labour for	85	Cum.				25400.24				
		Labour for	1	Cum				298.83	298.83			298.83
		Cost for	1	Cum					298.83			
		Add 10% for sub mountainous region										29.88
		Labour for	1	Cum								328.71
		Cost for	1	Cum								328.71

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iii		For semi conglomerate or soil of the nature of pick and jumper work										
		Unit :-	1	Cum								
I		Labour										
		Taking output										
			85	Cum.								
i		Mazdoor (Skilled - Upper)			Each	60.000	164.69	9881.40				
ii		Mazdoor (Skilled - Lower)			Each	33.000	153.56	5067.48				
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	0.750	164.69	123.52				
iv		Provision for Diversion of traffic, Providing and fixing night signals, cautionary boards watching & fencing etc. @ 4% of labour cost i.e. on						602.90				
v		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 15072.4						301.45				
vi		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (20% earth will be surplus) (6.8 (a) (i))			Cum	68.000	18.95	1288.60				
vii		Provision for timbering of trenches for 85 cum. of earthwork (Rate as per analysis attached)			Cum	85.000	62.50	5312.50				
viii		Removal of surplus soil to one km. lead (20% surplus) (Rate as per sub analysis attached)			Cum	17.000	153.73	2613.41				
		Total - I						25191.26				
		Sundries @ 3% i.e. on Rs. 25191.26						755.74				
		Add contractor's profit @ 21.50% i.e. on Rs. 25947						5578.61				
		Add Labour cess @ 1% i.e. on Rs. 31525.61						315.26				
		Labour for	85	Cum.				31840.87				
		Labour for	1	Cum.				374.60	374.60			374.60
		Cost for	1	Cum.					374.60			
		Add 10% for sub mountainous region										37.46
		Labour for	1	Cum.								412.06
		Cost for	1	Cum.								412.06

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
D		For depth exceeding 6 ms but not exceeding 7.5 ms below natural ground level										
i		All classes of soil except rocky										
			Unit :-	1	Cum							
I		Labour										
		Taking output			85	Cum.						
i		Mazdoor (Skilled - Upper)			Each	33.000	164.69	5434.77				
ii		Mazdoor (Skilled - Lower)			Each	18.000	153.56	2764.08				
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	0.750	164.69	123.52				
iv		Provision for Diversion of traffic, Providing and fixing night signals, cautionary boards watching & fencing etc. @ 4% of labour cost i.e. on						332.89				
v		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 8322.37						166.45				
vi		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (20% earth will be surplus) (6.8 (a) (i))			Cum	68.000	18.95	1288.60				
vii		Provision for timbering of trenches for 85 cum. of earthwork (Rate as per analysis attached)			Cum	85.000	62.50	5312.50				
viii		Removal of surplus soil to one km. lead (20% surplus) (Rate as per sub analysis attached)			Cum	17.000	153.73	2613.41				
		Total - I						18036.22				
		Sundries @ 3% i.e. on Rs. 18036.22						541.09				
		Add contractor's profit @ 21.50% i.e. on Rs. 18577.31						3994.12				
		Add Labour cess @ 1% i.e. on Rs. 22571.43						225.71				
		Labour for			85	Cum.		22797.14				
		Labour for			1	Cum		268.20	268.20			268.20
		Cost for			1	Cum			268.20			
		Add 10% for sub mountainous region										26.82
		Labour for			1	Cum						295.02
		Cost for			1	Cum						295.02

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
ii		For Ordinary gravel soil involving pick work										
			Unit :-	1	Cum							
I		Labour										
		Taking output										
				85	Cum.							
i		Mazdoor (Skilled - Upper)			Each	45.000	164.69	7411.05				
ii		Mazdoor (Skilled - Lower)			Each	24.000	153.56	3685.44				
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	0.750	164.69	123.52				
iv		Provision for Diversion of traffic, Providing and fixing night signals, cautionary boards watching & fencing etc. @ 4% of labour cost i.e. on						448.80				
v		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 11220.01						224.40				
vi		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (20% earth will be surplus) (6.8 (a) (i))			Cum	68.000	18.95	1288.60				
vii		Provision for timbering of trenches for 85 cum. of earthwork (Rate as per analysis attached)			Cum	85.000	62.50	5312.50				
viii		Removal of surplus soil to one km. lead (20% surplus) (Rate as per sub analysis attached)			Cum	17.000	153.73	2613.41				
		Total - I						21107.72				
		Sundries @ 3% i.e. on Rs. 21107.72						633.23				
		Add contractor's profit @ 21.50% i.e. on Rs. 21740.95						4674.30				
		Add Labour cess @ 1% i.e. on Rs. 26415.25						264.15				
		Labour for		85	Cum.			26679.40				
		Labour for		1	Cum			313.88	313.88			313.88
		Cost for		1	Cum				313.88			
		Add 10% for sub mountainous region										31.39
		Labour for		1	Cum							345.27
		Cost for		1	Cum							345.27

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iii		For semi congregate or soil of the nature of pick and jumper work										
		Unit :-	1	Cum								
I		Labour										
		Taking output										
			85	Cum.								
i		Mazdoor (Skilled - Upper)			Each	72.000	164.69	11857.68				
ii		Mazdoor (Skilled - Lower)			Each	30.000	153.56	4606.80				
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	0.750	164.69	123.52				
iv		Provision for Diversion of traffic, Providing and fixing night signals, cautionary boards watching & fencing etc. @ 4% of labour cost i.e. on						663.52				
v		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 16588						331.76				
vi		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (20% earth will be surplus) (6.8 (a) (i))			Cum	68.000	18.95	1288.60				
vii		Provision for timbering of trenches for 85 cum. of earthwork (Rate as per analysis attached)			Cum	85.000	62.50	5312.50				
viii		Removal of surplus soil to one km. lead (20% surplus) (Rate as per sub analysis attached)			Cum	17.000	153.73	2613.41				
		Total - I						26797.79				
		Sundries @ 3% i.e. on Rs. 26797.79						803.93				
		Add contractor's profit @ 21.50% i.e. on Rs. 27601.72						5934.37				
		Add Labour cess @ 1% i.e. on Rs. 33536.09						335.36				
		Labour for	85	Cum.				33871.45				
		Labour for	1	Cum.				398.49	398.49			398.49
		Cost for	1	Cum.					398.49			
		Add 10% for sub mountainous region										39.85
		Labour for	1	Cum.								438.34
		Cost for	1	Cum.								438.34

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
E		For depth exceeding 7.5 ms but not exceeding 9 ms below natural ground level										
i		All classes of soil except rocky										
			Unit :-	1	Cum							
I		Labour										
		Taking output			85	Cum.						
i		Mazdoor (Skilled - Upper)			Each	36.000	164.69	5928.84				
ii		Mazdoor (Skilled - Lower)			Each	24.000	153.56	3685.44				
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	0.750	164.69	123.52				
iv		Provision for Diversion of traffic, Providing and fixing night signals, cautionary boards watching & fencing etc. @ 4% of labour cost i.e. on						389.51				
v		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 9737.8						194.76				
vi		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (20% earth will be surplus) (6.8 (a) (i))			Cum	68.000	18.95	1288.60				
vii		Provision for timbering of trenches for 85 cum. of earthwork (Rate as per analysis attached)			Cum	85.000	62.50	5312.50				
viii		Removal of surplus soil to one km. lead (20% surplus) (Rate as per sub analysis attached)			Cum	17.000	153.73	2613.41				
		Total - I						19536.58				
		Sundries @ 3% i.e. on Rs. 19536.58						586.10				
		Add contractor's profit @ 21.50% i.e. on Rs. 20122.68						4326.38				
		Add Labour cess @ 1% i.e. on Rs. 24449.06						244.49				
			Labour for	85	Cum.			24693.55				
			Labour for	1	Cum			290.51	290.51			290.51
			Cost for	1	Cum				290.51			
		Add 10% for sub mountainous region										29.05
			Labour for	1	Cum							319.56
			Cost for	1	Cum							319.56

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
ii		For Ordinary gravel soil involving pick work										
			Unit :-	1	Cum							
I		Labour										
		Taking output										
				85	Cum.							
i		Mazdoor (Skilled - Upper)			Each	51.000	164.69	8399.19				
ii		Mazdoor (Skilled - Lower)			Each	27.000	153.56	4146.12				
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	0.750	164.69	123.52				
iv		Provision for Diversion of traffic, Providing and fixing night signals, cautionary boards watching & fencing etc. @ 4% of labour cost i.e. on						506.75				
v		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 12668.83						253.38				
vi		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (20% earth will be surplus) (6.8 (a) (i))			Cum	68.000	18.95	1288.60				
vii		Provision for timbering of trenches for 85 cum. of earthwork (Rate as per analysis attached)			Cum	85.000	62.50	5312.50				
viii		Removal of surplus soil to one km. lead 20% surplus) (Rate as per sub analysis attached)			Cum	17.000	153.73	2613.41				
		Total - I						22643.47				
		Sundries @ 3% i.e. on Rs. 22643.47						679.30				
		Add contractor's profit @ 21.50% i.e. on Rs. 23322.77						5014.40				
		Add Labour cess @ 1% i.e. on Rs. 28337.17						283.37				
		Labour for		85	Cum.			28620.54				
		Labour for		1	Cum			336.71	336.71			336.71
		Cost for		1	Cum				336.71			
		Add 10% for sub mountainous region										33.67
		Labour for		1	Cum							370.38
		Cost for		1	Cum							370.38

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iii		For semi congregate or soil of the nature of pick and jumper work										
		Unit :-	1	Cum								
I		Labour										
		Taking output										
			85	Cum.								
i		Mazdoor (Skilled - Upper)			Each	34.000	164.69	5599.46				
ii		Mazdoor (Skilled - Lower)			Each	33.000	153.56	5067.48				
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	0.750	164.69	123.52				
iv		Provision for Diversion of traffic, Providing and fixing night signals, cautionary boards watching & fencing etc. @ 4% of labour cost i.e. on						431.62				
v		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 10790.46						215.81				
vi		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (20% earth will be surplus) (6.8 (a) (i))			Cum	68.000	18.95	1288.60				
vii		Provision for timbering of trenches for 85 cum. of earthwork (Rate as per analysis attached)			Cum	85.000	62.50	5312.50				
viii		Removal of surplus soil to one km. lead (20% surplus) (Rate as per sub analysis attached)			Cum	17.000	153.73	2613.41				
		Total - I						20652.40				
		Sundries @ 3% i.e. on Rs. 20652.4						619.57				
		Add contractor's profit @ 21.50% i.e. on Rs. 21271.97						4573.47				
		Add Labour cess @ 1% i.e. on Rs. 25845.44						258.45				
		Labour for	85	Cum.				26103.89				
		Labour for	1	Cum.				307.10	307.10			307.10
		Cost for	1	Cum.					307.10			
		Add 10% for sub mountainous region										30.71
		Labour for	1	Cum.								337.81
		Cost for	1	Cum.								337.81

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
	29.5	Excavation of trenches in a Streets, Lanes or in Open Area for connections to ventilating shafts to Full Depths as Shown in Drawings, without Shoring, Timbering of Piling Board Frame System Type, dressing to correct sections and dewatering, provision for diversion for traffic, night signals, profiles, Pegs, Sight rails, boning rods, crossing over trenches for access to the houses, watching, fencing etc., fixing and maintenance of caution boards, refilling trenches, watering of refill in 15 cm layers, ramming and restoration of surface to original conditions and removal of Surplus Spoil from the Site of Works, upto a Lead of one Kilom.								
										DELETED and replaced with new

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.5 A		Excavation of trenches in a Streets, Lanes or in Open Area for Storm Sewers and Manholes to Full Depths as Shown in Drawings, without Shoring, Timbering of polling Board Frame System Type, dressing to correct section and dimension according to template level and dewatering, provision for diversion for trafficprotection of existing services i.e. telephone cables ,electric lines, water supply lines and gas lines. providing and fixing of night signals, profiles, Pegs, Sight rails, boning rods, crossing over trenches for access to the houses, watching, fencing etc., Providing and fixing and maintenance of caution boards, refilling trenches, watering of refill in 15 cm layers, ramming and restoration of surface to original conditions and removal of Surplus Spoil from the Site of Works, for all Works other than connections to Ventilating Shafts upto a Lead of one Kilom.								
A		For depth not exceeding 1.5 m. below Ground level								
i		All classes of soil except rocky								
		Unit :-	1	Cum						
I		Labour								
		Taking output	85	Cum.						
i		Mazdoor (Skilled - Upper)		Each	15.000	164.69	2470.35			
ii		Mazdoor (Skilled - Lower)		Each	9.000	153.56	1382.04			
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc. and dewatering of rain water		Each	3.000	164.69	494.07			
iv		Provision for providing templates, Sight Rails, boning rods, pegs etc. @ 6% of labour cost i.e. on Rs. 4346.46					260.79			
v		Provision for Diversion of traffic, night signals fixing, providing cautionary boards & watching etc. @ 4% of labour cost i.e. on Rs. 4346.46					173.86			
vi		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 4346.46					86.93			
vii		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (20% earth will be surplus) (6.8 (a) (i))		Cum	68.000	18.95	1288.60			
viii		Removal of surplus soil to one km. lead (20% surplus) (Rate as per sub analysis attached)		Cum	17.000	153.73	2613.41			
		Total - I					8770.05			
		Sundries @ 3% i.e. on Rs. 8770.05					263.10			
		Add contractor's profit @ 21.50% i.e. on Rs. 9033.15					1942.13			
		Add Labour cess @ 1% i.e. on Rs. 10975.28					109.75			
		Labour for	85	Cum.			11085.03			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Labour for	1	Cum				130.41	130.41			130.41
		Cost for	1	Cum					130.41			
		Add 10% for sub mountainous region										13.04
		Labour for	1	Cum								143.45
		Cost for	1	Cum								143.45

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
ii		For Ordinary gravel soil involving pick work										
		Unit :-	1	Cum								
I		Labour										
		Taking output										
			85	Cum.								
i		Mazdoor (Skilled - Upper)			Each	21.000	164.69	3458.49				
ii		Mazdoor (Skilled - Lower)			Each	15.000	153.56	2303.40				
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	3.000	164.69	494.07				
iv		Provision for providing templates, Sight Rails, boning rods, pegs etc. @ 6% of labour cost i.e. on Rs. 6255.96						375.36				
v		Provision for Diversion of traffic, night signals fixing, providing cautionary boards & watching etc. @ 4% of labour cost i.e. on Rs. 6255.96						250.24				
vi		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 6255.96						125.12				
vii		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (50% earth will be surplus) (6.8 (a) (i))			Cum	68.000	18.95	1288.60				
viii		Removal of surplus soil to one km. lead (10% surplus) (Rate as per sub analysis attached)			Cum	17.000	153.73	2613.41				
		Total - I						10908.69				
		Sundries @ 3% i.e. on Rs. 10908.69						327.26				
		Add contractor's profit @ 21.50% i.e. on Rs. 11235.95						2415.73				
		Add Labour cess @ 1% i.e. on Rs. 13651.68						136.52				
		Labour for	85	Cum.				13788.20				
		Labour for	1	Cum				162.21	162.21			162.21
		Cost for	1	Cum					162.21			
		Add 10% for sub mountainous region										16.22
		Labour for	1	Cum								178.43
		Cost for	1	Cum								178.43

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iii		For semi conglomerate or soil of the nature of pick and jumper work										
		Unit :-	1	Cum								
I		Labour										
		Taking output										
			85	Cum.								
i		Mazdoor (Skilled - Upper)			Each	33.000	164.69	5434.77				
ii		Mazdoor (Skilled - Lower)			Each	18.000	153.56	2764.08				
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	4.500	164.69	741.11				
iv		Provision for providing templates, Sight Rails, boning rods, pegs etc. @ 6% of labour cost i.e. on Rs. 8939.96						536.40				
v		Provision for Diversion of traffic, night signals fixing, providing cautionary boards & watching etc. @ 4% of labour cost i.e. on Rs. 8939.96						357.60				
vi		Provision for crossing of trenches for access to the houses @ 2% of labour cost i.e. on Rs. 8939.96						178.80				
vii		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (50% earth will be surplus) (6.8 (a) (i))			Cum	68.000	18.95	1288.60				
viii		Removal of surplus soil to one km. lead (10% surplus) (Rate as per sub analysis attached)			Cum	17.000	153.73	2613.41				
		Total - I						13914.77				
		Sundries @ 3% i.e. on Rs. 13914.77						417.44				
		Add contractor's profit @ 21.50% i.e. on Rs. 14332.21						3081.43				
		Add Labour cess @ 1% i.e. on Rs. 17413.64						174.14				
		Labour for	85	Cum.				17587.78				
		Labour for	1	Cum.				206.92	206.92			206.92
		Cost for	1	Cum.					206.92			
		Add 10% for sub mountainous region										20.69
		Labour for	1	Cum.								227.61
		Cost for	1	Cum.								227.61

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11

29.5
B

DSR

2.6

Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. Shoring, Timbering of polling Board Frame System Type, dressing to correct section and dimension according to template level and dewatering, provision for diversion for traffic, protection of existing services i.e. telephone cable electric lines, water supply lines and Gas lines etc, providing and fixing of night signals, profiles, Pegs, Sight rails, boning rods, crossing over trenches for access to the houses, watching, fencing etc., Providing and fixing and maintenance of caution boards, refilling trenches, watering of refill in 15 cm layers, ramming and restoration of surface to original conditions and removal of Surplus Spoil from the Site of Works, for all Works other than connections to Ventilating Shafts upto a Lead of one Kilometr

A		All kinds of soil.											
i		Depth upto 1.50 m.											
		Unit :-	1	Cum.									
I		Labour											
		Taking output	85	Cum.									
i		Hydraulic Excavator (3D) with driver and fuel taking output 25 Cum per Hr.			Day	0.425	7000.00	2975.00					
ii		Hire and running charges of loader.			Day	0.425	1000.00	425.00					
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	3.00	164.69	494.07					
iv		Provision for providing templates, Sight Rails, boning rods, pegs etc. @ 6% of cost i.e. on Rs. 3894.07						233.64					
v		Provision for Diversion of traffic, night signals fixing, providing cautionary boards & watching etc. @ 4% of cost i.e. on Rs. 3894.07						155.76					
vi		Provision for crossing of trenches for access to the houses @ 2% of cost i.e. on Rs. 3894.07						77.88					
vii		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (10% earth will be surplus) (6.8 (a) (ii)) (10% earth will be surplus)			Cum	68.00	18.95	1288.60					
viii		Removal of surplus soil to one km. lead (10% surplus) (Rate as per sub analysis attached)			Cum	17.00	153.73	2613.41					
		Total - I						8263.36					

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Sundries @ 3% i.e. on Rs. 8263.36						247.90				
		Add contractor's profit @ 21.50% i.e. on Rs. 8511.26						1829.92				
		Add Labour cess @ 1% i.e. on Rs. 10341.18						103.41				
		Labour for	85	Cum.				10444.59				
		Labour for	1	Cum.				122.88	122.88			122.88
		Cost for	1	Cum.					122.88			
		Add 10% for sub mountainous region										12.29
		Labour for	1	Cum.								135.17
		Cost for	1	Cum.								135.17

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
ii		Depth upto 0 m. To 3.00 m.										
			Unit :-	1	Cum.							
I		Labour										
			Taking output	85	Cum.							
i		Hydraulic Excavator (3D) with driver and fuel taking output 25 Cum per Hr.			Day	0.425	7000.00	2975.00				
ii		Hire and running charges of loader.			Day	0.425	1000.00	425.00				
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water			Each	3.00	164.69	494.07				
iv		Provision for providing templates, Sight Rails, boning rods, pegs etc. @ 6% of cost i.e. on Rs. 3894.07						233.64				
v		Provision for Diversion of traffic, night signals fixing, providing cautionary boards & watching etc. @ 4% of cost i.e. on Rs. 3894.07						155.76				
vi		Provision for crossing of trenches for access to the houses @ 2% of cost i.e. on Rs. 3894.07						77.88				
vii		Provision for timbering of trenches for 85 cum. of earthwork (Rate as per analysis attached)			Cum	85.000	62.50	5312.50				
viii		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (10% earth will be surplus) (6.8 (a) (ii)) (10% earth will be surplus)			Cum	68.00	18.95	1288.60				
ix		Removal of surplus soil to one km. lead (10% surplus) (Rate as per sub analysis attached)			Cum	17.00	153.73	2613.41				
		Total - I						13575.86				
		Sundries @ 3% i.e. on Rs. 13575.86						407.28				
		Add contractor's profit @ 21.50% i.e. on Rs. 13983.14						3006.38				
		Add Labour cess @ 1% i.e. on Rs. 16989.52						169.90				
			Labour for	85	Cum.			17159.42				
			Labour for	1	Cum.			201.88	201.88			201.88
			Cost for	1	Cum.				201.88			
		Add 10% for sub mountainous region										20.19
			Labour for	1	Cum.							222.07
			Cost for	1	Cum.							222.07

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		Depth upto 3.00 m. To 4.50 m.								
		Unit :-	1	Cum.						
I		Labour								
		Taking output	85	Cum.						
i		Hydraulic Excavator (3D) with driver and fuel taking output 20 Cum per Hr.		Day	0.531	7000.00	3717.00			
ii		Hire and running charges of loader.		Day	0.531	1000.00	531.00			
iii		Mazdoor (Skilled - Upper) for dressing sides bed trimming levelling of trenches, cutting joints holes etc, and dewatering of rain water		Each	0.75	164.69	123.52			
iv		Provision for providing templates, Sight Rails, boning rods, pegs etc. @ 6% of cost i.e. on Rs. 4371.52					262.29			
v		Provision for Diversion of traffic, night signals fixing, providing cautionary boards & watching etc. @ 4% of cost i.e. on Rs. 4371.52					174.86			
vi		Provision for crossing of trenches for access to the houses @ 2% of cost i.e. on Rs. 4371.52					87.43			
vii		Provision for timbering of trenches for 85 cum. of earthwork (Rate as per analysis attached)		Cum	85.000	62.50	5312.50			
viii		Refilling trenches in 15cm layers ramming watering and dressing to its original condition (10% earth will be surplus) (6.8 (a) (ii)) (10% earth will be surplus)		Cum	68.00	18.95	1288.60			
ix		Removal of surplus soil to one km. lead (10% surplus) (Rate as per sub analysis attached)		Cum	17.00	153.73	2613.41			
		Total - I					14110.61			
		Sundries @ 3% i.e. on Rs. 14110.61					423.32			
		Add contractor's profit @ 21.50% i.e. on Rs. 14533.93					3124.79			
		Add Labour cess @ 1% i.e. on Rs. 17658.72					176.59			
		Labour for	85	Cum.			17835.31			
		Labour for	1	Cum.			209.83	209.83		209.83
		Cost for	1	Cum.				209.83		
		Add 10% for sub mountainous region								20.98
		Labour for	1	Cum.						230.81
		Cost for	1	Cum.						230.81

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.6		Extra over and above the rate of item No. 29.4 (a to e) for lowering sub-soil water level from its natural level, as decided by the Engineer-in-charge, by every 0.30 m depth (Upto requisite depth), including cost of Bore Holes Machinery and carrying out the work in safe manner.								
a		For sewers below 760 mm i/d.								
		Unit :-	1	m.						
		Taking output for lowering water table upto 2.10 m. depth for sewer length :-	120.00	m.						
		It is assumed that 120 meters sewer will be laid in one month. Boring on both sides alternatively at 3 meters C/C and pumping of water with 5.00 B.H.P motors working 24 hours onl 8 nos . Bores, 4 on each side of the sewer will be sufficient to lower the sub soil water level upto 2.1 mteres.								
A		Establishment for one month								
i		Assistant pump drivers in three shifts for 24 hours including weekly rest	Each	90.000	223.36	20102.40				
ii		Chargemen/Electrician (For one shift) -do-	Each	30.000	164.69	4940.70				
iii		Fitter Pipe (1st Class) for fixing motor pumps and other boring specials (1/4 pay for 2 Nos. for 1 Month) -do-	Each	30.000	223.36	6700.80				
		Total A:				31743.90				
B		Electric and Diesel Consumption etc. for one month								
i		Electric consumption for 30 days for 8 Nos. motors at 16.00 hour per day $30 \times 16 \times 8 \times 5 \times 0.746 = 14323$ units.	Each	14323.20	8.50	121747.20				
ii		Diesel for running of generating set of 30 K.V.A. for running of above motors at 8.00 hours per day $30 \times 30 \times 8 \times 0.16 : 1152$ liters	Litre	1152.000	37.42	43107.84				
iii		Mobil Oil								
		Change after 200 hrs. : 7 liters								
		$240/200 : 1.20 \times 7 = 8.40$ liters								
		2% of diesel : $1152 \times 2/100 = 23.00$ liters								
		Total = 31.40 Litres	Litre	31.400	120.00	3768.00				
iv		Nuts and bolts for one month for 120 meter sewer.	Kg.	30.000	58.00	1740.00				
v		Rubber Sheet.	Kg.	10.000	47.00	470.00				
		Total B:				170833.04				
C		Machinery and their depreciation for one month.								
		30 KVA Generating Set.	Each	1.000	300000.00	300000.00				
		5 BHP motor with pump with board having volt meter, amperem, Switch, Starter complete.	Each	9.000	25000.00	225000.00				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		It is proposed to provide one pumping set on each bore and to provide 1 No. pump to act as stand by for 8 bores and one generating set of 30 K.VA.								
i		Deduct 10% Depreciation per annum for one month (including wear& tear) on 30 KVA Genset & 5 BHP Motor				4375.00				
ii		Interest on the capital cost of 30 KVA Genset & 5 BHP Motor for one month @10% PA				4375				
iii		Provision for repairing of above machinery including rewinding of motor @ 2% of 4.30 lac				8600				
iv		Provision for making temporary electric connection @ 0.5 % of Rs.4.30 lac				2150				
		Total C:				19500.00				
D		Boring Material and Electric Wire								
		100mm i/d G.I/ M.S. Filter (Strainer) for 120 meters sewer. 12x4.5 = 54 m.	m.	54.000	800.00	43200.00				
		100mm i/d M.S. pipe of class 'B' 12x3.00= 36.00 meters.	m.	36.000	800.00	28800.00				
		Providing suspension flange 100mm i/d.	Each	12.000	350.00	4200				
		Cable 16mm for 120 meters sewer.	Meter	120.000	300.00	36000.00				
		Provision for temporary tin sheet shed for generating set size 10' * 15' = 150 Sft or 13.93 Sqm	Sqm	13.930	2100.00	29253.00				
		Wire 7/22 for connecting generator cable to board and board to motor for 8 sets. 8 * 1 = 8 Coils	Coil	8.000	1200.00	9600.00				
		Canvas Pipe for disposing dewatered water. 8 * 7.50 = 60.00 m.	m.	60.000	100.00	6000.00				
i		Deduct 20% depreciation of the above material..				31410.6				
		Total D:				31410.60				
E		Labour for Boring								
i		Labour for boring with 150mm i/d casing pipe and with drawing the same after completion of bore. 120/3 = 40 Nos. * 7.50 m. = 300 m.	m.	300.000	200.00	60000.00				
ii		Lowering 100mm i/d filter strainer and pipe in Bores. 40 * 7.50 = 300 m.	m.	300.000	50.00	15000.00				
iii		Withdrawing 100mm i/d filter strainer and pipe	m.	300.000	30.00	9000.00				
iv		Supplying and wrapping coir ground M.S pipe to act as strainer. 40 * 4.50 m.= 180 m.	m.	180.000	20.00	3600.00				
		Total E:				87600.00				
		Abstract of Cost								
A		Establishment for one month				31743.90				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
	B	Electric & Diesel etc.						170833.04				
	C	Machinery and other Depreciation.						19500.00				
	D	Boring Material & electric wire.						31410.60				
	E	Labour for Boring						87600.00				
		Total - I						341087.54				
		Sundries @ 3% i.e. on Rs. 341087.54						10232.63				
		Add contractor's profit @ 21.50% i.e. on Rs. 351320.17						75533.84				
		Add Labour cess @ 1% i.e. on Rs. 426854.01						4268.54				
		Labour for lowering of subsoil water upto 2.10 m. depth for	120.00	m.				431122.55				
		Labour for lowering of subsoil water upto 2.10 m. depth for	1	m.				3592.69	3592.69			
		Labour for lowering of subsoil water upto 0.30 m. depth for	1	m.					513.24			513.24
		Add 10% for sub mountainous region										51.32
		Labour for lowering of subsoil water upto 0.30 m. depth for	1	m.								564.56

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
b		For Sewer 760mm i/d and above										
			Unit :-	1 m.								
		Taking output for lowering water table upto 2.10 m. depth for sewer length :-										
				100.00 m.								
		It is assumed that 100 meters sewer will be laid in one month. Boring on both sides alternatively at 2.5 meters C/C and pumping of water with 5.00 B.H.P motors working 24 hours onl 8 nos . Bores, 4 on each side of the sewer will be sufficient to lower the sub soil water level upto 2.1 mteres.										
A		Establishment for one month										
i		Assistant pump drivers in three shifts for 24 hours. Including weekly rest			Each	90.000	223.36	20102.40				
ii		Chargemen/Electrician (For one shift) -do-			Each	30.000	164.69	4940.70				
iii		Fitter Pipe (1st Class) for fixing motor pumps and other boring specials (1/4 pay for 2 Nos. for 1 Month) -do-			Each	30.000	223.36	6700.80				
		Total A:						31743.90				
B		Electric and Diesel Consumption etc. for one month										
i		Electric consumption for 30 days for 8 Nos. motors at 16.00 hour per day $30 \times 16 \times 8 \times 5 \times 0.746 = 14323$ units.			Each	14323.20	8.50	121747.20				
ii		Diesel for running of generating set of 30 K.V.A. for running of above motors at 8.00 hours per day $30 \times 30 \times 8 \times 0.16 = 1152$ liters			Litre	1152.000	37.42	43107.84				
iii		Mobil Oil										
		Change after 200 hrs. : 7 liters										
		$240/200 : 1.20 \times 7 = 8.40$ liters										
		2% of diesel : $1152 \times 2/100 = 23.00$ liters										
		Total = 31.40 Litres			Litre	31.400	120.00	3768.00				
iv		Nuts and bolts for one month for 120 meter sewer.			Kg.	30.000	58.00	1740.00				
v		Rubber Sheet.			Kg.	10.000	47.00	470.00				
		Total B:						170833.04				
C		Machinery and their depreciation for one month.										
		30 KVA Generating Set.			Each	1.000	300000.00	300000.00				
		5 BHP motor with pump with board having volt meter, amperem, Switch, Starter complete.			Each	9.000	25000.00	225000.00				
		It is proposed to provide one pumping set on each bore and to provide 1 No. pump to act as stand bye for 8 bores and one generating set of 30 K.VA.										
i		Deduct 10% Depreciation per annum for one month (including wear& tear) on 30 KVA Genset & 5 BHP Motor						4375.00				
ii		Interest on the capital cost of 30 KVA Genset & 5 BHP Motor for one month @10% PA						4375				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		Provision for repairing of above machinery including rewinding of motor @ 2% of 4.30 lac				8600.00				
iv		Provision for making temporary electric connection @ 0.5 % of Rs.4.30 lac				2150.00				
		Total C				19500.00				
D		100mm i/d G.I/ M.S. Filter (Strainer) for 120 meters sewer. 12x4.5 = 54 m.	m.	54.000	800.00	43200.00				
		100mm i/d M.S. pipe of class 'B' 12x3.00= 36.00 meters.	m.	36.000	800.00	28800.00				
		Providing suspension flange 100mm i/d.	Each	12.000	350.00	4200				
		Cable 16mm for 120 meters sewer.	Meter	120.000	300.00	36000.00				
		Provision for temporary tin sheet shed for generating set size 10' * 15' = 150 Sft or 13.93 Sqm	Sqm	13.930	2100.00	29253.00				
		Wire 7/22 for cojnnecting genrator cable to board and board to motor for 8 sets. 8 * 1 = 8 Coils	Coil	8.000	1200.00	9600.00				
		Canvas Pipe for disposing dewatered water. 8 * 7.50 = 60.00 m.	m.	60.000	100.00	6000.00				
i		Deduct 20% depriiation of the above material..				31410.6				
		Total D:				31410.60				
E		Labour for Boring								
i		Labour for boring with 150mm i/d casing pipe and with drawing the same after completion of bore. 120/3 = 40 Nos. * 7.50 m. = 300 m.	m.	300.000	200.00	60000.00				
ii		Lowering 100mm i/d filter strainer and pipe in Bores. 40 * 7.50 = 300 m.	m.	300.000	50.00	15000.00				
iii		Withdrawing 100mm i/d filter strainer and pipe	m.	300.000	30.00	9000.00				
iv		Supplying and wrapping coir ground M.S pipe to act as strainer. 40 * 4.50 m.= 180 m.	m.	180.000	20.00	3600.00				
		Total E:				87600.00				
		Abstract of Cost								
	A	Establishment for one month				31743.90				
	B	Electric & Diesel etc.				170833.04				
	C	Machinary and other Depriiation.				8600.00				
	D	Boring Material & electric wire.				31410.60				
	E	Labour for Boring				87600.00				
		Total - I				330187.54				
		Sundries @ 3% i.e. on Rs. 330187.54				9905.63				
		Add contractor's profit @ 21.50% i.e. on Rs. 340093.17				73120.03				
		Add Labour cess @ 1% i.e. on Rs. 413213.2				4132.13				
		Labour for lowering of subsoil water upto 2.10 m. depth for 100.00 m.	m.			417345.33				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Labour for lowering of subsoil water upto 2.10 m. depth for	1	m.		4173.45	4173.45			
		Labour for lowering of subsoil water upto 0.30 m. depth for	1	m.			596.21			596.21
		Add 10% for sub mountainous region								59.62
		Labour for lowering of subsoil water upto 0.30 m. depth for	1	m.						655.83
		Wet Earth work								
		i) Extra for wet earth work from bottom of excavation upto level of sub	1	Cum.						
		take output	85	cum.						
		Labour :-								
		Mazdoor (skilled upper)		each	9.00	164.69	1482.21			
		Mazdoor (skilled lower)		each	6.00	153.56	921.36			
		Sundries @ 3% i.e. on Rs. 2403.57					72.00			
		Add 21.5% contractor profit on Rs.2475.57					532.24			
		Labour cess @ 1% on Rs.7798.05					77.98			
		Total					3085.79			
		Rate for 1 cum 3085/85					36.30			
		ii) Extra for wet earth work from level of sub soil water upto 30 cm above								
		Taking 50% of the rate of item No.1 @ 50% of 36.30					18.15			655.83

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.7		Extra for disposal of surplus soil beyond one Kilometer.								
		Subsequent Km. from 2 km. to _ _ _ _ _								
		Rate for this item will be given as per Chapter 5 of Carriage.								

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.8		Extra over and above the Rate of excavation contained in item 29.4 and 29.5 For providing close board Timbering in place of poling board frame system of timbering per m of sewer Trench for every 3 ms deep Shuttering or part thereof where such timbering is done.								
		Example :- Trench depth is 9 ms. Three stage timbering each stage 3 ms has been done. The strata met with from 6 to 9 ms necessitate the provision of close timbering (without driving) and is done. Thus rate per m of effected sewer trench will be paid in plain. In case the close timbering has been done from 3 to 9 ms below G.L., i.e. 2 stages of 3 ms, then payment of two stages per m of affected sewer trench will be pay-able in Plains.								
		Unit :-	1	m.						
		Taking Output for a Depth of 3 meters, width 1.30 meters and length of :-	3.50	m.						
		Cheel wood Struts 15 cms x 15cms1.30 ms long 12x1.30 x 0.15x0.15 = 0.351 cum + 10% wastage = 0.386 Cum		Cum.	0.386	23160.00	8939.76			
i		Considering 50 uses, cost of one use.					178.80			
		Cheel Wood Poling Boards 3 m long X 23 cms X 4 cms 32x3.0x0.23x0.04 = 0.883 Cum								
		Whaling 3.50 meters long X 23cmX 4cm 6x3.50x0.23x0.04 =0.193 Cum								
		0.883+0.193 = 1.076 Cum +10% wastage = 1.184 Cum		Cum.	1.184	23160.00	27421.44			
ii		Considering 30 uses, cost of one use.					914.05			
		Wedges of Hard Wood = 48 + 15% wastage = 55 Nos.		Each	55.000	5.00	275.00			
iii		Considering 30 uses, cost of one use.					9.17			
iv		Labour for fixing								
		Taking output:	8	m.						
a		Carpenter 1st Class		Each	1.000	223.36	223.36			
b		Mazdoor (Skilled - Upper)		Each	3.000	164.69	494.07			
		Labour for fixing for	8	m.			717.43			
		Labour for fixing for	1	m.			89.68			
v		Labour for sawing of wood								
a		12x1.3x0.15 x 0.15 = 0.351 Cum. / 50 = 0.007 Cum.								
		32x3x0.23 x 0.04 = 0.883 Cum. / 30 = 0.029 Cum.								
		6x3.50x0.23x0.04 = 0.193 Cum / 30 = 0.006 Cum.								
		Total = 0.042 Cum.		Cum.	0.042	1765.75	74.16			
		Labour for sawing					74.16			
vi		Labour for Dismantalling								

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Taking output:		13 m.						
a		Carpenter 1st Class	Each	1.000	223.36	223.36				
b		Mazdoor (Skilled - Upper)	Each	3.000	164.69	494.07				
		Labour for fixing for		13 m.		717.43				
		Labour for fixing for		1 m.		55.19				
vii		Labour for shifting of timber to new places								
a		Mazdoor (Skilled - Upper)	Each	0.100	164.69	16.47				
		Labour for shifting				16.47				
		Total - I (Total of item no. i to vii)				1337.52				
		Sundries @ 3% i.e. on Rs. 1337.52				40.13				
		Add contractor's profit @ 21.50% i.e. on Rs. 1377.65				296.19				
		Add Labour cess @ 1% i.e. on Rs. 1673.84				16.74				
		Labour for		3.50 m.		1690.58				
		Labour for		1 m.		483.02	483.02			483.02
		Cost for					483.02			
		Add 10% for sub mountainous region								48.30
		Labour for								531.32
		Cost for								531.32

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
	29.9	Extra over and above item 29.8 above for Driven piles type of timbering required in running sandy strata for every 3 Meters depth of part thereof.			DELETED and replaced with new					

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11

29.9		Extra rate for shuttering in Confined Earth work as per specifications & desired by Engineer-in-Charge.								
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a

For 400 mm dia sewer

Unit: 1 Sqm
Taking output 2 sides x Length 60 m.x Depth 6 m. having width 2.392 m. : 720 Sqm

i

H Piles ISMB -250

No. of uses = 30 Nos.

Spacing of H piles = 1.25 m.

Length of confined area by H piles = 60 * 2 m = 120 m.

No. of H piles required = 96 Nos.

Length of each piles = 8 m.

Unit weight of pile in 37.30 Kg./m.

Total weight = 96 * 8 * 37.30 = 28646.40 Kg.

Deduction for scrap value at the end @ 30% of original cost

Therefore one time Net cost of 30 No. uses

Therefore one time Net cost of 1 No. uses

ii

Bailer Beams ISMB -250

No. of uses = 30 Nos.

For tying at two tires

Length of beams of ISMB-250 = 2*3 = 6 * 60 = 360 m.

Weight of pile in 37.30 kg./m

Total weight = 360 * 37.30 = 13428 Kg.

Deduction for scrap value at the end @ 30% of original cost

Therefore one time Net cost of 30 No. uses

Therefore one time Net cost of 1 No. uses

iii

Cost of hard wood battens

No. of uses = 20 Nos.

Depth of excavation = 6 m.

No. of panels = 96 and having battens 60 Nos. in each panel

Size of batten 100 x 100 x 1235mm

Qtl.	286.460	3814.37	1092664.43
			-327799.33
			764865.10
			25495.50 i
Qtl.	134.280	3814.37	512193.60
			-153658.08
			358535.52
			11951.18 ii

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		No. of batten in one pannel = 5760 Total wood required $0.1 * 0.1 * 1.235 * 5760 = 71.14$ Cum. + 15% wastage = 81.81 Cum. Deduction for scrap value at the end @ 20% of original cost Therefore Net cost of 20 No. uses Therefore one time Net cost of 1 No. uses								
iv		Cost of Struts ISMB -250 No. of uses = 30 Nos. No of struts = $3*24 = 72$ Total Length of struts = $2.192-0.7-0.012 = 1.48$ m.*72 = 106.56 m. Weight of pipe per m = 37.30 Kg/ m. Total weight = $106.56 * 37.30 = 3974.68$ Kg. Deduction for scrap value at the end @ 30% of original cost Therefore Net cost of 30 No. uses Therefore one time Net cost of 1 No. uses	Cum	81.810	35592.00	2911781.52				
						-582356.30				
						2329425.22				
						116471.26	iii			
			Qtl.	39.746	3814.37	151605.95				
						-45481.79				
						106124.16				
						3537.47	iv			
						157455.41				
v		Hiring charges machinery								
a		Auger boring machine	Per Day	5.00	5000.00	25000.00				
b		Hydra crane	Per Day	5.00	5000.00	25000.00				
		Total v				50000.00				
vi		Labour cost								
a		For Fabrication of H Piles and Bailer beams								
i		Blacksmith 1st class	Each	4.00	223.36	893.44				
ii		Mazdoor (Skilled - Upper)	Each	4.00	164.69	658.76				
b		With Auger boring machine								
i		Fitter plpe 1st class	Each	4.00	223.36	893.44				
ii		Mazdoor (Skilled - Upper)	Each	4.00	164.69	658.76				
c		With Hydra machine								
i		Fitter plpe 1st class	Each	4.00	223.36	893.44				
ii		Mazdoor (Skilled - Upper)	Each	4.00	164.69	658.76				
d		Fixing and removing batten								
i		Mazdoor (Skilled - Upper)	Each	4.00	164.69	658.76				
ii		Helper (Skilled worker - Upper)	Each	4.00	181.86	727.44				
		Total vi				6042.80				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Grand Total i + ii + iii + iv + v + vi						213498.21				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 213498.21						6404.95				
		Add contractor's profit @ 21.50% i.e. on Rs. 219903.16						47279.18				
		Add Labour cess @ 1% i.e. on Rs. 267182.34						2671.82				
		Labour for	720	Sqm				273225.14				
		Labour for	1	Sqm				379.48	379.48			379.48
		Cost for	1	Sqm					379.48			
		Add 10% for sub mountainous region										37.95
		Labour for	1	Sqm								417.43
		Cost for	1	Sqm								417.43

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11

b For 500 mm dia sewer

Unit: 1 Sqm

Taking output 2 sides x Length 60 m.x Depth 6 m. having width 2.392 m. : 720 Sqm

i H Piles ISMB -250

No. of uses = 30 Nos.

Spacing of H piles = 1.25 m.

Length of confined area by H piles = 60 * 2 m = 120 m.

No. of H piles required = 96 Nos.

Length of each piles = 8 m.

Unit weight of pile in 37.30 Kg./m.

Total weight = 96 * 8 * 37.30 = 28646.40 Kg.

Deduction for scrap value at the end @ 30% of original cost

Therefore one time Net cost of 30 No. uses

Therefore one time Net cost of 1 No. uses

ii Bailer Beams ISMB -250

No. of uses = 30 Nos.

For tying at two tires

Length of beams of ISMB-250 = 2*3 = 6 * 60 = 360 m.

Weight of pile in 37.30 kg./m

Total weight = 360 * 37.30 = 13428 Kg.

Deduction for scrap value at the end @ 30% of original cost

Therefore one time Net cost of 30 No. uses

Therefore one time Net cost of 1 No. uses

iii Cost of hard wood battens

No. of uses = 20 Nos.

Depth of excavation = 6 m.

No. of panels = 96 and having battens 60 Nos. in each panel

Size of batten 100 x 100 x 1235mm

No. of batten in one pannel = 5760

Total wood required 0.1 * 0.1 * 1.235 * 5760 = 71.14 Cum. + 15% wastage = 81.81 Cum.

Qtl.	286.460	3814.37	1092664.43
			-327799.33
			764865.10
			25495.50
Qtl.	134.280	3814.37	512193.60
			-153658.08
			358535.52
			11951.18
Cum	81.810	35592.00	2911781.52

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Deduction for scrap value at the end @ 20% of original cost				-582356.30				
		Therefore Net cost of 20 No. uses				2329425.22				
		Therefore one time Net cost of 1 No. uses				116471.26	iii			
iv		Cost of Struts ISMB -250								
		No. of uses = 30 Nos.								
		No of struts = 3*24 = 72								
		Total Length of struts = 2.292-0.7-0.012 = 1.58 m.*72 = 113.76 m.								
		Weight of pipe per m = 37.30 Kg/ m.								
		Total weight = 113.76 * 37.30 = 4243.25 Kg.	Qtl.	42.432	3814.37	161851.35				
		Deduction for scrap value at the end @ 30% of original cost				-48555.41				
		Therefore Net cost of 30 No. uses				113295.94				
		Therefore one time Net cost of 1 No. uses				3776.53	iv			
		Total i + ii + iii + iv				157694.47				
v		Hiring charges machinery								
a		Auger boring machine	Per Day	5.00	5000.00	25000.00				
b		Hydra crane	Per Day	5.00	5000.00	25000.00				
		Total v				50000.00				
vi		Labour cost								
a		For Fabrication of H Piles and Bailer beams								
i		Blacksmith 1st class	Each	4.00	223.36	893.44				
ii		Mazdoor (Skilled - Upper)	Each	4.00	164.69	658.76				
b		With Auger boring machine								
i		Fitter plpe 1st class	Each	4.00	223.36	893.44				
ii		Mazdoor (Skilled - Upper)	Each	4.00	164.69	658.76				
c		With Hydra machine								
i		Fitter plpe 1st class	Each	4.00	223.36	893.44				
ii		Mazdoor (Skilled - Upper)	Each	4.00	164.69	658.76				
d		Fixing and removing batten								
i		Mazdoor (Skilled - Upper)	Each	4.00	164.69	658.76				
ii		Helper (Skilled worker - Upper)	Each	4.00	181.86	727.44				
		Total vi				6042.80				
		Grand Total i + ii + iii + iv + v + vi				213737.27				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 213737.27				6412.12				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Add contractor's profit @ 21.50% i.e. on Rs. 220149.39						47332.12				
		Add Labour cess @ 1% i.e. on Rs. 267481.51						2674.82				
		Labour for	720	Sqm				273524.31				
		Labour for	1	Sqm				379.89	379.89			379.89
		Cost for	1	Sqm					379.89			
		Add 10% for sub mountainous region										37.99
		Labour for	1	Sqm								417.88
		Cost for	1	Sqm								417.88

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Deduction for scrap value at the end @ 20% of original cost				-582356.30				
		Therefore Net cost of 20 No. uses				2329425.22				
		Therefore one time Net cost of 1 No. uses				116471.26	iii			
iv		Cost of Struts ISMB -250								
		No. of uses = 30 Nos.								
		No of struts = 3*24 = 72								
		Total Length of struts = 2.392-0.7-0.012 = 1.68 m.*72 = 120.96 m.								
		Weight of pipe per m = 37.30 Kg/ m.								
		Total weight = 120.96 * 37.30 = 4511.80 Kg.								
		Deduction for scrap value at the end @ 30% of original cost				-51629.03				
		Therefore Net cost of 30 No. uses				120467.72				
		Therefore one time Net cost of 1 No. uses				4015.59	iv			
		Total i + ii + iii + iv				157933.53				
v		Hiring charges machinery								
a		Auger boring machine	Per Day	5.00	5000.00	25000.00				
b		Hydra crane	Per Day	5.00	5000.00	25000.00				
		Total v				50000.00				
vi		Labour cost								
a		For Fabrication of H Piles and Bailer beams								
i		Blacksmith 1st class	Each	4.00	223.36	893.44				
ii		Mazdoor (Skilled - Upper)	Each	4.00	164.69	658.76				
b		With Auger boring machine								
i		Fitter plpe 1st class	Each	4.00	223.36	893.44				
ii		Mazdoor (Skilled - Upper)	Each	4.00	164.69	658.76				
c		With Hydra machine								
i		Fitter plpe 1st class	Each	4.00	223.36	893.44				
ii		Mazdoor (Skilled - Upper)	Each	4.00	164.69	658.76				
d		Fixing and removing batten								
i		Mazdoor (Skilled - Upper)	Each	4.00	164.69	658.76				
ii		Helper (Skilled worker - Upper)	Each	4.00	181.86	727.44				
		Total vi				6042.80				
		Grand Total i + ii + iii + iv + v + vi				213976.33				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 213976.33				6419.29				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Add contractor's profit @ 21.50% i.e. on Rs. 220395.62						47385.06				
		Add Labour cess @ 1% i.e. on Rs. 267780.68						2677.81				
		Labour for	720	Sqm				273823.48				
		Labour for	1	Sqm				380.31	380.31			380.31
		Cost for	1	Sqm					380.31			
		Add 10% for sub mountainous region										38.03
		Labour for	1	Sqm								418.34
		Cost for	1	Sqm								418.34

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Deduction for scrap value at the end @ 20% of original cost				-582356.30				
		Therefore Net cost of 20 No. uses				2329425.22				
		Therefore one time Net cost of 1 No. uses				116471.26	iii			
iv		Cost of Struts ISMB -250								
		No. of uses = 30 Nos.								
		No of struts = 3*24 = 72								
		Total Length of struts = 2.602-0.7-0.012 = 1.89 m.*72 = 136.08 m.								
		Weight of pipe per m = 37.30 Kg/ m.								
		Total weight = 136.08 * 37.30 = 5075.78 Kg.								
		Deduction for scrap value at the end @ 30% of original cost				-58081.79				
		Therefore Net cost of 30 No. uses				135524.19				
		Therefore one time Net cost of 1 No. uses				4517.47	iv			
		Total i + ii + iii + iv				158435.41				
v		Hiring charges machinery								
a		Auger boring machine	Per Day	5.50	5000.00	27500.00				
b		Hydra crane	Per Day	5.50	5000.00	27500.00				
		Total v				55000.00				
vi		Labour cost								
a		For Fabrication of H Piles and Bailer beams								
i		Blacksmith 1st class	Each	4.50	223.36	1005.12				
ii		Mazdoor (Skilled - Upper)	Each	4.50	164.69	741.11				
b		With Auger boring machine								
i		Fitter plpe 1st class	Each	4.50	223.36	1005.12				
ii		Mazdoor (Skilled - Upper)	Each	4.50	164.69	741.11				
c		With Hydra machine								
i		Fitter plpe 1st class	Each	4.50	223.36	1005.12				
ii		Mazdoor (Skilled - Upper)	Each	4.50	164.69	741.11				
d		Fixing and removing batten								
i		Mazdoor (Skilled - Upper)	Each	4.50	164.69	741.11				
ii		Helper (Skilled worker - Upper)	Each	4.50	181.86	818.37				
		Total vi				6798.17				
		Grand Total i + ii + iii + iv + v + vi				220233.58				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 220233.58				6607.01				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Add contractor's profit @ 21.50% i.e. on Rs. 226840.59						48770.73				
		Add Labour cess @ 1% i.e. on Rs. 275611.32						2756.11				
		Labour for	720	Sqm				282409.49				
		Labour for	1	Sqm				392.24	392.24			392.24
		Cost for	1	Sqm					392.24			
		Add 10% for sub mountainous region										39.22
		Labour for	1	Sqm								431.46
		Cost for	1	Sqm								431.46

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Deduction for scrap value at the end @ 20% of original cost				-582356.30				
		Therefore Net cost of 20 No. uses				2329425.22				
		Therefore one time Net cost of 1 No. uses				116471.26	iii			
iv		Cost of Struts ISMB -250								
		No. of uses = 30 Nos.								
		No of struts = 3*24 = 72								
		Total Length of struts = 2.712-0.7-0.012 = 2.00 m.*72 = 144.00 m.								
		Weight of pipe per m = 37.30 Kg/ m.								
		Total weight = 144.00 * 37.30 = 5371.20 Kg.								
		Deduction for scrap value at the end @ 30% of original cost				-61463.23				
		Therefore Net cost of 30 No. uses				143414.21				
		Therefore one time Net cost of 1 No. uses				4780.47	iv			
		Total i + ii + iii + iv				158698.41				
v		Hiring charges machinery								
a		Auger boring machine	Per Day	6.00	5000.00	30000.00				
b		Hydra crane	Per Day	6.00	5000.00	30000.00				
		Total v				60000.00				
vi		Labour cost								
a		For Fabrication of H Piles and Bailer beams								
i		Blacksmith 1st class	Each	5.00	223.36	1116.80				
ii		Mazdoor (Skilled - Upper)	Each	5.00	164.69	823.45				
b		With Auger boring machine								
i		Fitter plpe 1st class	Each	5.00	223.36	1116.80				
ii		Mazdoor (Skilled - Upper)	Each	5.00	164.69	823.45				
c		With Hydra machine								
i		Fitter plpe 1st class	Each	5.00	223.36	1116.80				
ii		Mazdoor (Skilled - Upper)	Each	5.00	164.69	823.45				
d		Fixing and removing batten								
i		Mazdoor (Skilled - Upper)	Each	5.00	164.69	823.45				
ii		Helper (Skilled worker - Upper)	Each	5.00	181.86	909.30				
		Total vi				7553.50				
		Grand Total i + ii + iii + iv + v + vi				226251.91				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 226251.91				6787.56				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Add contractor's profit @ 21.50% i.e. on Rs. 233039.47						50103.49				
		Add Labour cess @ 1% i.e. on Rs. 283142.96						2831.43				
		Labour for	720	Sqm				290696.46				
		Labour for	1	Sqm				403.75	403.75			403.75
		Cost for	1	Sqm					403.75			
		Add 10% for sub mountainous region										40.38
		Labour for	1	Sqm								444.13
		Cost for	1	Sqm								444.13

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Deduction for scrap value at the end @ 20% of original cost				-582356.30				
		Therefore Net cost of 20 No. uses				2329425.22				
		Therefore one time Net cost of 1 No. uses				116471.26	iii			
iv		Cost of Struts ISMB -250								
		No. of uses = 30 Nos.								
		No of struts = 3*24 = 72								
		Total Length of struts = 2.842-0.7-0.012 = 2.13 m.*72 = 153.36 m.								
		Weight of pipe per m = 37.30 Kg/ m.								
		Total weight = 153.36 * 37.30 = 5720.33 Kg.								
		Deduction for scrap value at the end @ 30% of original cost				-65458.02				
		Therefore Net cost of 30 No. uses				152735.39				
		Therefore one time Net cost of 1 No. uses				5091.18	iv			
		Total i + ii + iii + iv				159009.12				
v		Hiring charges machinery								
a		Auger boring machine	Per Day	5.50	5000.00	27500.00				
b		Hydra crane	Per Day	5.50	5000.00	27500.00				
		Total v				55000.00				
vi		Labour cost								
a		For Fabrication of H Piles and Bailer beams								
i		Blacksmith 1st class	Each	5.00	223.36	1116.80				
ii		Mazdoor (Skilled - Upper)	Each	5.00	164.69	823.45				
b		With Auger boring machine								
i		Fitter plpe 1st class	Each	5.00	223.36	1116.80				
ii		Mazdoor (Skilled - Upper)	Each	5.00	164.69	823.45				
c		With Hydra machine								
i		Fitter plpe 1st class	Each	5.00	223.36	1116.80				
ii		Mazdoor (Skilled - Upper)	Each	5.00	164.69	823.45				
d		Fixing and removing batten								
i		Mazdoor (Skilled - Upper)	Each	5.00	164.69	823.45				
ii		Helper (Skilled worker - Upper)	Each	5.00	181.86	909.30				
		Total vi				7553.50				
		Grand Total i + ii + iii + iv + v + vi				221562.62				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 221562.62				6646.88				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Add contractor's profit @ 21.50% i.e. on Rs. 228209.5						49065.04				
		Add Labour cess @ 1% i.e. on Rs. 277274.54						2772.75				
		Labour for	720	Sqm				284828.04				
		Labour for	1	Sqm				395.59	395.59			395.59
		Cost for	1	Sqm					395.59			
		Add 10% for sub mountainous region										39.56
		Labour for	1	Sqm								435.15
		Cost for	1	Sqm								435.15

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Deduction for scrap value at the end @ 20% of original cost				-582356.30				
		Therefore Net cost of 20 No. uses				2329425.22				
		Therefore one time Net cost of 1 No. uses				116471.26	iii			
iv		Cost of Struts ISMB -250								
		No. of uses = 30 Nos.								
		No of struts = 3*24 = 72								
		Total Length of struts = 2.942-0.7-0.012 = 2.23 m.*72 = 160.56 m.								
		Weight of pipe per m = 37.30 Kg/ m.								
		Total weight = 160.56 * 37.30 = 5988.89 Kg.								
		Deduction for scrap value at the end @ 30% of original cost				-68530.50				
		Therefore Net cost of 30 No. uses				159904.49				
		Therefore one time Net cost of 1 No. uses				5330.15	iv			
		Total i + ii + iii + iv				159248.09				
v		Hiring charges machinery								
a		Auger boring machine	Per Day	5.50	5000.00	27500.00				
b		Hydra crane	Per Day	5.50	5000.00	27500.00				
		Total v				55000.00				
vi		Labour cost								
a		For Fabrication of H Piles and Bailer beams								
i		Blacksmith 1st class	Each	5.00	223.36	1116.80				
ii		Mazdoor (Skilled - Upper)	Each	5.00	164.69	823.45				
b		With Auger boring machine								
i		Fitter plpe 1st class	Each	5.00	223.36	1116.80				
ii		Mazdoor (Skilled - Upper)	Each	5.00	164.69	823.45				
c		With Hydra machine								
i		Fitter plpe 1st class	Each	5.00	223.36	1116.80				
ii		Mazdoor (Skilled - Upper)	Each	5.00	164.69	823.45				
d		Fixing and removing batten								
i		Mazdoor (Skilled - Upper)	Each	5.00	164.69	823.45				
ii		Helper (Skilled worker - Upper)	Each	5.00	181.86	909.30				
		Total vi				7553.50				
		Grand Total i + ii + iii + iv + v + vi				221801.59				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 221801.59				6654.05				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Add contractor's profit @ 21.50% i.e. on Rs. 228455.64						49117.96				
		Add Labour cess @ 1% i.e. on Rs. 277573.6						2775.74				
		Labour for	720	Sqm				285127.10				
		Labour for	1	Sqm				396.01	396.01			396.01
		Cost for	1	Sqm					396.01			
		Add 10% for sub mountainous region										39.60
		Labour for	1	Sqm								435.61
		Cost for	1	Sqm								435.61

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11

h **For 1200 mm dia sewer**

Unit: 1 Sqm
Taking output 2 sides x Length 60 m.x Depth 6 m. having width 3.052 m. : 720 Sqm

i **H Piles ISMB -250**

No. of uses = 30 Nos.

Spacing of H piles = 1.25 m.

Length of confined area by H piles = 60 * 2 m = 120 m.

No. of H piles required = 96 Nos.

Length of each piles = 8 m.

Unit weight of pile in 37.30 Kg./m.

Total weight = 96 * 8 * 37.30 = 28646.40 Kg.

Deduction for scrap value at the end @ 30% of original cost

Therefore one time Net cost of 30 No. uses

Therefore one time Net cost of 1 No. uses

ii **Bailer Beams ISMB -250**

No. of uses = 30 Nos.

For tying at two tires

Length of beams of ISMB-250 = 2*3 = 6 * 60 = 360 m.

Weight of pile in 37.30 kg./m

Total weight = 360 * 37.30 = 13428 Kg.

Deduction for scrap value at the end @ 30% of original cost

Therefore one time Net cost of 30 No. uses

Therefore one time Net cost of 1 No. uses

iii **Cost of hard wood battens**

No. of uses = 20 Nos.

Depth of excavation = 6 m.

No. of panels = 96 and having battens 60 Nos. in each panel

Size of batten 100 x 100 x 1235mm

No. of batten in one pannel = 5760

Total wood required 0.1 * 0.1 * 1.235 * 5760 = 71.14 Cum. + 15% wastage = 81.81 Cum.

Qtl.	286.460	3814.37	1092664.43
			-327799.33
			764865.10
			25495.50
Qtl.	134.280	3814.37	512193.60
			-153658.08
			358535.52
			11951.18
Cum	81.810	35592.00	2911781.52

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Deduction for scrap value at the end @ 20% of original cost				-582356.30				
		Therefore Net cost of 20 No. uses				2329425.22				
		Therefore one time Net cost of 1 No. uses				116471.26	iii			
iv		Cost of Struts ISMB -250								
		No. of uses = 30 Nos.								
		No of struts = 3*24 = 72								
		Total Length of struts = 3.052-0.7-0.012 = 2.34 m.*72 = 168.48 m.								
		Weight of pipe per m = 37.30 Kg/ m.								
		Total weight = 168.48 * 37.30 = 6284.30 Kg.								
		Deduction for scrap value at the end @ 30% of original cost				-71911.94				
		Therefore Net cost of 30 No. uses				167794.51				
		Therefore one time Net cost of 1 No. uses				5593.15	iv			
		Total i + ii + iii + iv				159511.09				
v		Hiring charges machinery								
a		Auger boring machine	Per Day	5.50	5000.00	27500.00				
b		Hydra crane	Per Day	5.50	5000.00	27500.00				
		Total v				55000.00				
vi		Labour cost								
a		For Fabrication of H Piles and Bailer beams								
i		Blacksmith 1st class	Each	5.00	223.36	1116.80				
ii		Mazdoor (Skilled - Upper)	Each	5.00	164.69	823.45				
b		With Auger boring machine								
i		Fitter plpe 1st class	Each	5.00	223.36	1116.80				
ii		Mazdoor (Skilled - Upper)	Each	5.00	164.69	823.45				
c		With Hydra machine								
i		Fitter plpe 1st class	Each	5.00	223.36	1116.80				
ii		Mazdoor (Skilled - Upper)	Each	5.00	164.69	823.45				
d		Fixing and removing batten								
i		Mazdoor (Skilled - Upper)	Each	5.00	164.69	823.45				
ii		Helper (Skilled worker - Upper)	Each	5.00	181.86	909.30				
		Total vi				7553.50				
		Grand Total i + ii + iii + iv + v + vi				222064.59				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 222064.59				6661.94				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Add contractor's profit @ 21.50% i.e. on Rs. 228726.53						49176.20				
		Add Labour cess @ 1% i.e. on Rs. 277902.73						2779.03				
		Labour for	720	Sqm				285456.23				
		Labour for	1	Sqm				396.47	396.47			396.47
		Cost for	1	Sqm					396.47			
		Add 10% for sub mountainous region										39.65
		Labour for	1	Sqm								436.12
		Cost for	1	Sqm								436.12

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.10		Clay puddle weathered and tempered laid and consolidated on the flat or on the slope to correct template and levels or thickness as shall be required by the Engineer-in-charge.			DELETED					

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
29.11		Dismantling existing drains of different size cunnets, section only including recovery of all useable materials, stacking the same near site of dismantled works and disposal of all rubbish off site of works.										
(a)		House connection drains.										
		Unit :- 1 m.										
		Taking Output :- 30 m.										
(i)		Dismantling of Cement concrete 1:3:6 (Rate same as per CSR item 8.6 c)			Cum	0.450	281.58	126.71				
(ii)		Dismantling of Lime concrete (Rate same as per CSR item 8.6 a)			Cum	0.280	118.92	33.30				
		Labour for						160.01				
		Labour for						5.33	5.33			5.33
		Cost for							5.33			
		Add 10% for sub mountainous region										0.53
		Labour for										5.86
		Cost for										5.86

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
(b)		Type I drain.										
		Unit :-	1	m.								
		Taking Output :-	30	m.								
(i)		Dismantling of Cement concrete 1:3:6 (Rate same as per CSR item 8.6 c)			Cum	0.710	281.58	199.92				
(ii)		Dismantling of Lime concrete (Rate same as per CSR item 8.6 a)			Cum	0.390	118.92	46.38				
		Labour for	30.00	m.				246.30				
		Labour for	1.00	m.				8.21	8.21			8.21
		Cost for	1.00	m.					8.21			
		Add 10% for sub mountainous region										0.82
		Labour for	1.00	m.								9.03
		Cost for	1.00	m.								9.03

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
(c)		Type II Drain										
		Unit :-	1	m.								
		Taking Output :-	30	m.								
(i)		Dismantling of Cement concrete 1:3:6 (Rate same as per CSR item 8.6 c)			Cum	1.360	281.58	382.95				
(ii)		Dismantling of Lime concrete (Rate same as per CSR item 8.6 a)			Cum	1.610	118.92	191.46				
		Labour for	30.00	m.				574.41				
		Labour for	1.00	m.				19.15	19.15			19.15
		Cost for	1.00	m.					19.15			
		Add 10% for sub mountainous region										1.92
		Labour for	1.00	m.								21.07
		Cost for	1.00	m.								21.07

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
(d)		Type III Drain										
			Unit :-	1	m.							
			Taking Output :-	30	m.							
(i)		Dismantling of Cement concrete 1:3:6 (Rate same as per CSR item 8.6 c)			Cum	1.590	281.58	447.71				
(ii)		Dismantling of Lime concrete (Rate same as per CSR item 8.6 a)			Cum	2.380	118.92	283.03				
		Labour for	30.00	m.				730.74				
		Labour for	1.00	m.				24.36	24.36			24.36
		Cost for	1.00	m.					24.36			
		Add 10% for sub mountainous region										2.44
		Labour for	1.00	m.								26.80
		Cost for	1.00	m.								26.80

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
(e)		Type IV Drain										
		Unit :-	1	m.								
		Taking Output :-	30	m.								
(i)		Dismantling of Cement concrete 1:3:6 (Rate same as per CSR item 8.6 c)			Cum	1.810	281.58	509.66				
(ii)		Dismantling of Lime concrete (Rate same as per CSR item 8.6 a)			Cum	2.910	118.92	346.06				
		Labour for	30.00	m.				855.72				
		Labour for	1.00	m.				28.52	28.52			28.52
		Cost for	1.00	m.					28.52			
		Add 10% for sub mountainous region										2.85
		Labour for	1.00	m.								31.37
		Cost for	1.00	m.								31.37

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Brick Flooring & Pitching								
A		Reimbursement to Drains & flooring in strips								
29.12		Tega 7.5 cm thick formed of first class bricks on end laid in cement sand mortar 1:5 and projecting to a maximum height of not more than 12.5 cm above top of drain along house sides of drains where required for protection of house walls.								
		Unit :-	1	m.						
		Taking Output :-	30	m.						
		Material :								
	(i)	Quantity of brick work: (Rate as per CSR item 11.5)		Cum	0.520	1920.54	998.68			
		30x0.075x0.23=0.52 cum.								
	(ii)	Cost of bricks wasted in cutting etc. including carriage to site of works at 3 Percent of bricks.		Nos.	8.000	3.13	25.04			
		30x3/100 /0.11 = 8 Nos. (or 0.52x480x3/100 = 8 Nos.)								
	(iii)	Cost of excavation for laying the bricks (Rate as per CSR item 29.1 a)		Cum	0.410	95.36	39.10			
		30x0.075x0.18 = 0.41 Cum								
		Total - I					1062.82			
		Sundries @ 3% i.e. on Rs. 1062.82					31.88			
		Add contractor's profit @ 10% i.e. on Rs. 1062.82					109.47			
		Add Labour cess @ 1% i.e. on Rs. 1204.17					12.04			
		Material cost for	30.00	m.			1216.21			
		Material cost for	1.00	m.			40.54	40.54		40.54
		Labour :								
	(i)	Quantity of brick work: (Rate as per CSR item 11.35)		Sqm	6.900	53.08	366.25			
		30x0.23=6.90 Sqm								
	(ii)	Cost of excavation for laying the bricks (Rate as per CSR item 29.1 a)		Cum	0.410	95.36	39.10			
		30x0.075x0.18 = 0.41 Cum								
		Total - II					405.35			
		Sundries @ 3% i.e. on Rs. 405.35					12.16			
		Add contractor's profit @ 21.50% i.e. on Rs. 417.51					89.76			
		Add Labour cess @ 1% i.e. on Rs. 507.27					5.07			
		Labour for	30.00	m.			512.34			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Labour for	1.00	m.				17.08	17.08			17.08
		Cost for	1.00	m.					57.62			
		Add 10% for sub mountainous region										1.71
		Labour for	1.00	m.								18.79
		Cost for	1.00	m.								59.33

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.13		Tega 11.50 cm thick formed of first class bricks on end laid in cement sand Mortar 1:5 as above.								
		Unit :-	1	m.						
		Taking Output :-	30	m.						
		Material :								
	(i)	Quantity of brick work: (Rate as per CSR item 11.5)			Cum	0.790	1920.54	1517.23		
		30x0.115x0.23=0.79 cum.								
	(ii)	Cost of bricks wasted in cutting etc. including carriage to site of works at 3 Percent of bricks.			Nos.	11.000	3.13	34.43		
		30/0.088 x 3/100 = 11 Nos								
		Total - I						1551.66		
		Sundries @ 3% i.e. on Rs. 1551.66						46.55		
		Add contractor's profit @ 10% i.e. on Rs. 1551.66						159.82		
		Add Labour cess @ 1% i.e. on Rs. 1758.03						17.58		
		Material cost for	30.00	m.				1775.61		
		Material cost for	1.00	m.				59.19	59.19	59.19
		Labour :								
	(i)	Quantity of brick work: (Rate as per CSR item 11.35)			Sqm	6.900	53.08	366.25		
		30x0.23=6.90 Sqm								
	(ii)	Extra labour involved in laying tega 7.5 cms thick due to smallness of work and cutting dressing etc.						91.56		
	(iii)	Cost of excavation for laying the bricks (Rate as per CSR item 29.1 a)			Cum	0.620	95.36	59.12		
		30x 0.115 x 0.18 = 0.62 Cum								
		Total - II						516.93		
		Sundries @ 3% i.e. on Rs. 516.93						15.51		
		Add contractor's profit @ 21.50% i.e. on Rs. 532.44						114.47		
		Add Labour cess @ 1% i.e. on Rs. 646.91						6.47		
		Labour for	30.00	m.				653.38		
		Labour for	1.00	m.				21.78	21.78	21.78
		Cost for	1.00	m.					80.97	
		Add 10% for sub mountainous region								2.18
		Labour for	1.00	m.						23.96

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Cost for	1.00	m.								83.15

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.14		First class flat brick 7.50 cm thick laid in reimbursements in and on Cement mortar 1:5 on sides of drains and in other work where required over lime concrete or other foundations. All joints to be left completely filled and struck flush.								
		Unit :-	1	sqm.						
		Taking Output :-	10	sqm.						
		Material :								
	(i)	Quantity of brick work: (Rate as per CSR item 11.5)		Cum	0.750	1920.54	1440.41			
		10x0.075 = 0.75 Cum								
	(ii)	Cost of bricks wasted in cutting etc. including carriage to site of works at 3 Percent of bricks.		Nos.	12.000	3.13	37.56			
		30x3/0.11x0.23x100 = 12 Nos								
		Total - I					1477.97			
		Sundries @ 3% i.e. on Rs. 1477.97					44.34			
		Add contractor's profit @ 10% i.e. on Rs. 1477.97					152.23			
		Add Labour cess @ 1% i.e. on Rs. 1674.54					16.75			
		Material cost for	10.00	sqm.			1691.29			
		Material cost for	1.00	sqm.			169.13	169.13		169.13
		Labour :								
	(i)	Quantity of brick work: (Rate as per CSR item 11.35)		Sqm	2.300	53.08	122.08			
		10x0.23= 2.30 Sqm								
	(ii)	Extra labour involved in laying tega 7.5 cms thick due to smallness of work and cutting dressing etc.					30.52			
		Total - II					152.60			
		Sundries @ 3% i.e. on Rs. 152.6					4.58			
		Add contractor's profit @ 21.50% i.e. on Rs. 157.18					33.79			
		Add Labour cess @ 1% i.e. on Rs. 190.97					1.91			
		Labour for	10.00	sqm.			192.88			
		Labour for	1.00	sqm.			19.29	19.29		19.29
		Cost for	1.00	sqm.				188.42		
		Add 10% for sub mountainous region								1.93
		Labour for	1.00	sqm.						21.22

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Cost for	1.00	sqm.								190.35

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.15		First class flat brick 7.5 cms thick laid in re-imbursement in and on 1:6 cement sand mortar as above.								
		Unit :-	1	sqm.						
		Taking Output :-	10	sqm.						
		Material :								
	(i)	Quantity of brick work: (Rate as per CSR item 11.6)			Cum	0.750	1920.54	1440.41		
		10x0.075 = 0.75 Cum								
	(ii)	Cost of bricks wasted in cutting etc. including carriage to site of works at 3 Percent of bricks.			Nos.	12.000	3.13	37.56		
		10x3/0.11x0.23x100 = 12 Nos								
		Total - I						1477.97		
		Sundries @ 3% i.e. on Rs. 1477.97						44.34		
		Add contractor's profit @ 10% i.e. on Rs. 1477.97						152.23		
		Add Labour cess @ 1% i.e. on Rs. 1674.54						16.75		
		Material cost for	10.00	sqm.				1691.29		
		Material cost for	1.00	sqm.				169.13	169.13	169.13
		Labour :								
	(i)	Quantity of brick work: (Rate as per CSR item 11.35)			Sqm	2.300	53.08	122.08		
		10x0.23= 2.30 Sqm								
	(ii)	Extra labour involved in laying tega 7.5 cms thick due to smallness of work and cutting dressing etc.						30.52		
		Total - II						152.60		
		Sundries @ 3% i.e. on Rs. 152.6						4.58		
		Add contractor's profit @ 21.50% i.e. on Rs. 157.18						33.79		
		Add Labour cess @ 1% i.e. on Rs. 190.97						1.91		
		Labour for	10.00	sqm.				192.88		
		Labour for	1.00	sqm.				19.29	19.29	19.29
		Cost for	1.00	sqm.				188.42		
		Add 10% for sub mountainous region								1.93
		Labour for	1.00	sqm.						21.22
		Cost for	1.00	sqm.						190.35

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
29.16		First class flat brick 7.50 cm thick laid in reimbursement in and on 1:5 cement sand mortar as above.										
			Unit :-	1	sqm							
			Taking Output :-	10	sqm.							
		Material :										
	(i)	Quantity of brick work: (Rate as per CSR item 11.5)			Cum	0.750	1920.54	1440.41				
		10x0.075 = 0.75 Cum										
	(ii)	Cost of bricks wasted in cutting etc. including carriage to site of works at 3 Percent of bricks.			Nos.	12.000	3.13	37.56				
		30x3/0.11x0.23x100 = 12 Nos										
		Total - I						1477.97				
		Sundries @ 3% i.e. on Rs. 1477.97						44.34				
		Add contractor's profit @ 10% i.e. on Rs. 1477.97						152.23				
		Add Labour cess @ 1% i.e. on Rs. 1674.54						16.75				
		Material cost for	10.00	sqm				1691.29				
		Material cost for	1.00	sqm				169.13	169.13			169.13
		Labour :										
	(i)	Quantity of brick work: (Rate as per CSR item 11.35)			Sqm	2.300	53.08	122.08				
		10x0.23= 2.30 Sqm										
	(ii)	Extra labour involved in laying tega 7.5 cms thick due to smallness of work and cutting dressing etc.						30.52				
		Total - II						152.60				
		Sundries @ 3% i.e. on Rs. 152.6						4.58				
		Add contractor's profit @ 21.50% i.e. on Rs. 157.18						33.79				
		Add Labour cess @ 1% i.e. on Rs. 190.97						1.91				
		Labour for	10.00	sqm.				192.88				
		Labour for	1.00	sqm				19.29	19.29			19.29
		Cost for	1.00	sqm					188.42			
		Add 10% for sub mountainous region										1.93
		Labour for	1.00	sqm								21.22
		Cost for	1.00	sqm								190.35

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
29.17		First class for brick 7.50 cm thick laid in reimbursements in and on 1:4 cement sand mortar as above.										
			Unit :-	1	sqm.							
			Taking Output :-	10	sqm.							
		Material :										
	(i)	Quantity of brick work: (Rate as per CSR item 11.7)			Cum	0.750	1999.22	1499.42				
		10x0.075 = 0.75 Cum										
	(ii)	Cost of bricks wasted in cutting etc. including carriage to site of works at 3 Percent of bricks.			Nos.	12.000	3.13	37.56				
		30x3/0.11x0.23x100 = 12 Nos										
		Total - I						1536.98				
		Sundries @ 3% i.e. on Rs. 1536.98						46.11				
		Add contractor's profit @ 10% i.e. on Rs. 1536.98						158.31				
		Add Labour cess @ 1% i.e. on Rs. 1741.4						17.41				
		Material cost for	10.00	sqm.				1758.81				
		Material cost for	1.00	sqm.				175.88	175.88			175.88
		Labour :										
	(i)	Quantity of brick work: (Rate as per CSR item 11.35)			Sqm	2.300	53.08	122.08				
		10x0.23= 2.30 Sqm										
	(ii)	Extra labour involved in laying tega 7.5 cms thick due to smallness of work and cutting dressing etc.						30.52				
		Total - II						152.60				
		Sundries @ 3% i.e. on Rs. 152.6						4.58				
		Add contractor's profit @ 21.50% i.e. on Rs. 157.18						33.79				
		Add Labour cess @ 1% i.e. on Rs. 190.97						1.91				
		Labour for	10.00	sqm.				192.88				
		Labour for	1.00	sqm.				19.29	19.29			19.29
		Cost for	1.00	sqm.					195.17			
		Add 10% for sub mountainous region										1.93
		Labour for	1.00	sqm.								21.22
		Cost for	1.00	sqm.								197.10

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.18		First class brick on edge 11.50 cm thick laid in reimbursements in and on cement mortar 1:4 on sides of drains and in other work where required over lime concrete or other foundation, all joints to be left complete filled and struck flush.								
		Unit :-	1	sqm.						
		Taking Output :-	10	sqm.						
		Material :								
	(i)	Quantity of brick work: (Rate as per CSR item 11.12)			Cum	1.150	2440.00	2806.00		
		10x0.115 = 1.15 Cum.								
	(ii)	Cost of bricks wasted in cutting etc. including carriage to site of works at 3 Percent of bricks.			Nos.	16.000	3.13	50.08		
		10x3/0.08x0.23xx100= 16 Nos								
		Total - I					2856.08			
		Sundries @ 3% i.e. on Rs. 2856.08					85.68			
		Add contractor's profit @ 10% i.e. on Rs. 2856.08					294.18			
		Add Labour cess @ 1% i.e. on Rs. 3235.94					32.36			
		Material cost for	10.00	sqm.			3268.30			
		Material cost for	1.00	sqm.			326.83	326.83		326.83
		Labour :								
	(i)	Quantity of brick work: (Rate as per CSR item 11.35)			Sqm	2.300	53.08	122.08		
		10x0.23= 2.30 Sqm								
	(ii)	Extra labour involved in laying tega 11.5 cms thick due to smallness of work and cutting dressing etc.								
							30.52			
		Total - II					152.60			
		Sundries @ 3% i.e. on Rs. 152.6					4.58			
		Add contractor's profit @ 21.50% i.e. on Rs. 157.18					33.79			
		Add Labour cess @ 1% i.e. on Rs. 190.97					1.91			
		Labour for	10.00	sqm.			192.88			
		Labour for	1.00	sqm.			19.29	19.29		19.29
		Cost for	1.00	sqm.				346.12		
		Add 10% for sub mountainous region								1.93
		Labour for	1.00	sqm.						21.22
		Cost for	1.00	sqm.						348.05

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.19		First class brick on edge 11.50 cm thick laid in reimbursements in and on 1:6 cement sand mortar as above.								
		Unit :-	1	sqm.						
		Taking Output :-	10	sqm.						
		Material :								
	(i)	Quantity of brick work: (Rate as per CSR item 11.3)			Cum	1.150	1854.97	2133.22		
		10x0.115 = 1.15 Cum.								
	(ii)	Cost of bricks wasted in cutting etc. including carriage to site of works at 3 Percent of bricks.			Nos.	16.000	3.13	50.08		
		10x3/0.08x0.23xx100= 16 Nos								
		Total - I					2183.30			
		Sundries @ 3% i.e. on Rs. 2183.3					65.50			
		Add contractor's profit @ 10% i.e. on Rs. 2183.3					224.88			
		Add Labour cess @ 1% i.e. on Rs. 2473.68					24.74			
		Material cost for	10.00	sqm.			2498.42			
		Material cost for	1.00	sqm.			249.84	249.84		249.84
		Labour :								
	(i)	Quantity of brick work: (Rate as per CSR item 11.35)			Sqm	2.300	53.08	122.08		
		10x0.23= 2.30 Sqm								
	(ii)	Extra labour involved in laying tega 11.5 cms thick due to smallness of work and cutting dressing etc.					30.52			
		Total - II					152.60			
		Sundries @ 3% i.e. on Rs. 152.6					4.58			
		Add contractor's profit @ 21.50% i.e. on Rs. 157.18					33.79			
		Add Labour cess @ 1% i.e. on Rs. 190.97					1.91			
		Labour for	10.00	sqm.			192.88			
		Labour for	1.00	sqm.			19.29	19.29		19.29
		Cost for	1.00	sqm.				269.13		
		Add 10% for sub mountainous region								1.93
		Labour for	1.00	sqm.						21.22
		Cost for	1.00	sqm.						271.06

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
29.20		First class brick on edge 11.50 cm thick laid in reimbursements in and on 1:5 cement sand mortar as above.										
			Unit :-	1	sqm.							
			Taking Output :-	10	sqm.							
		Material :										
	(i)	Quantity of brick work: (Rate as per CSR item 11.5)			Cum	1.150	1920.54	2208.62				
		10x0.115 = 1.15 Cum.										
	(ii)	Cost of bricks wasted in cutting etc. including carriage to site of works at 3 Percent of bricks.			Nos.	16.000	3.13	50.08				
		10x3/0.08x0.23xx100= 16 Nos										
		Total - I						2258.70				
		Sundries @ 3% i.e. on Rs. 2258.7						67.76				
		Add contractor's profit @ 10% i.e. on Rs. 2258.7						232.65				
		Add Labour cess @ 1% i.e. on Rs. 2559.11						25.59				
			Material cost for	10.00	sqm.			2584.70				
			Material cost for	1.00	sqm.			258.47	258.47			258.47
		Labour :										
	(i)	Quantity of brick work: (Rate as per CSR item 11.35)			Sqm	2.300	53.08	122.08				
		10x0.23= 2.30 Sqm										
	(ii)	Extra labour involved in laying tega 11.5 cms thick due to smallness of work and cutting dressing etc.						30.52				
		Total - II						152.60				
		Sundries @ 3% i.e. on Rs. 152.6						4.58				
		Add contractor's profit @ 21.50% i.e. on Rs. 157.18						33.79				
		Add Labour cess @ 1% i.e. on Rs. 190.97						1.91				
			Labour for	10.00	sqm.			192.88				
			Labour for	1.00	sqm.			19.29	19.29			19.29
			Cost for	1.00	sqm.				277.76			
		Add 10% for sub mountainous region										1.93
			Labour for	1.00	sqm.							21.22
			Cost for	1.00	sqm.							279.69

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
29.21		First class brick on edge 11.50 cm thick laid in reimbursements in and on 1:4 cement sand mortar as above.										
			Unit :-	1	sqm.							
			Taking Output :-	10	sqm.							
		Material :										
	(i)	Quantity of brick work: (Rate as per CSR item 11.7)			Cum	1.150	1999.22	2299.10				
		10x0.115 = 1.15 Cum.										
	(ii)	Cost of bricks wasted in cutting etc. including carriage to site of works at 3 Percent of bricks.			Nos.	16.000	3.13	50.08				
		10x3/0.08x0.23xx100= 16 Nos										
		Total - I						2349.18				
		Sundries @ 3% i.e. on Rs. 2349.18						70.48				
		Add contractor's profit @ 10% i.e. on Rs. 2349.18						241.97				
		Add Labour cess @ 1% i.e. on Rs. 2661.63						26.62				
			Material cost for	10.00	sqm.			2688.25				
			Material cost for	1.00	sqm.			268.83	268.83			268.83
		Labour :										
	(i)	Quantity of brick work: (Rate as per CSR item 11.35)			Sqm	2.300	53.08	122.08				
		10x0.23= 2.30 Sqm										
	(ii)	Extra labour involved in laying tega 11.5 cms thick due to smallness of work and cutting dressing etc.						30.52				
		Total - II						152.60				
		Sundries @ 3% i.e. on Rs. 152.6						4.58				
		Add contractor's profit @ 21.50% i.e. on Rs. 157.18						33.79				
		Add Labour cess @ 1% i.e. on Rs. 190.97						1.91				
			Labour for	10.00	sqm.			192.88				
			Labour for	1.00	sqm.			19.29	19.29			19.29
			Cost for	1.00	sqm.				288.12			
		Add 10% for sub mountainous region										1.93
			Labour for	1.00	sqm.							21.22
			Cost for	1.00	sqm.							290.05

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
B		Flooring and Paving								

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.22		First class dry flat brick flooring and paving in ordinary bonded courses or in herring bond or other special courses or bond laid to template over rammed and dressed foundations and to correct longitudinal and cross slopes as shall be required by the Engineer-in-Charge. All joints shall be thoroughly filled with dry sand grouting which shall be applied to a thickness of not less 20mm over the surface of the flooring and brushed into the joints. All joints shall be fully filled with sand.								
		Unit :-	1	Sqm.						
		Taking Output :-	10	Sqm.						
I		Materials								
i		Bricks 1st Class including carriage of 5 kiloms including loading / unloading			Each	364.000	3.13	1139.32		
ii		Sand			Cum	0.075	200.59	15.04		
		Total - I						1154.36		
		Sundries @ 3% i.e. on Rs. 1154.36						34.63		
		Add contractor's profit @ 10% i.e. on Rs. 1154.36						118.90		
		Add Labour cess @ 1% i.e. on Rs. 1307.89						13.08		
		Material cost for	10.00	Sqm.				1320.97		
		Material cost for	1.00	Sqm.				132.10	132.10	132.10
II		Labour								
		Taking output	10	Sqm.						
i		Masons (Second class)			Each	0.333	190.00	63.27		
ii		Mazdoor (Skilled - Upper)			Each	0.333	164.69	54.84		
iii		Mazdoor (Skilled - Lower)			Each	0.280	153.56	43.00		
iv		Bhishti			Each	0.110	173.76	19.11		
v		Good earth for mud mortar			Cum	0.085	178.73	15.19		
		Total - II						195.41		
		Sundries @ 3% i.e. on Rs. 195.41						5.86		
		Add contractor's profit @ 21.50% i.e. on Rs. 201.27						43.27		
		Add Labour cess @ 1% i.e. on Rs. 244.54						2.45		
		Labour for	10	Sqm.				246.99		
		Labour for	1	Sqm.				24.70	24.70	24.70
		Cost for	1	Sqm.				156.80		
		Add 10% for sub mountainous region								2.47

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Labour for	1	Sqm.								27.17
		Cost for	1	Sqm.								159.27

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.23		First class dry brick on edge flooring or paving in ordinary bonded courses or in herring bond or other special courses or bond, laid as described in item no. 29.22.								
		Unit :-	1	Sqm.						
		Taking Output :-	10	Sqm.						
I		Materials								
i		Bricks 1st Class including carriage of 5 kiloms including loading / unloading			Each	575.000	3.13	1799.75		
ii		Sand			Cum	0.150	200.59	30.09		
		Total - I						1829.84		
		Sundries @ 3% i.e. on Rs. 1829.84						54.90		
		Add contractor's profit @ 10% i.e. on Rs. 1829.84						188.47		
		Add Labour cess @ 1% i.e. on Rs. 2073.21						20.73		
		Material cost for	10.00	Sqm.				2093.94		
		Material cost for	1.00	Sqm.				209.39	209.39	209.39
II		Labour								
		Taking output	10	Sqm.						
i		Masons (Second class)			Each	0.333	190.00	63.27		
ii		Mazdoor (Skilled - Upper)			Each	0.333	164.69	54.84		
iii		Mazdoor (Skilled - Lower)			Each	0.400	153.56	61.42		
iv		Bhishti			Each	0.180	173.76	31.28		
v		Good earth for mud mortar			Cum	0.085	178.73	15.19		
		Total - II						226.00		
		Sundries @ 3% i.e. on Rs. 226						6.78		
		Add contractor's profit @ 21.50% i.e. on Rs. 232.78						50.05		
		Add Labour cess @ 1% i.e. on Rs. 282.83						2.83		
		Labour for	10	Sqm.				285.66		
		Labour for	1	Sqm.				28.57	28.57	28.57
		Cost for	1	Sqm.				237.96		
		Add 10% for sub mountainous region								2.86
		Labour for	1	Sqm.						31.43
		Cost for	1	Sqm.						240.82

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.24		First class flat brick paving or flooring laid over and in lime mortar in ordinary bonded courses or in herring bone or other special courses, to templates, over dressed foundation and to correct longitudinal and cross slopes as shall be required by the Engineer-in-charge. All joints shall be filled with mortar and struck flushed as the work proceeds.			to be deleted					

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.25		First class flat brick paving or flooring laid over and in cement sand mortar 1:6 in ordinary bonded courses or in herring bone or other special courses, to templates, over dressed foundation and to correct longitudinal and cross slopes as shall be required by the Engineer-in-charge. All joints shall be filled with mortar and struck flushed as the work proceeds.								
		Unit :-	1	Sqm.						
		Taking Output :-	10	Sqm.						
I		Materials								
i		Bricks 1st Class including carriage of 5 kiloms including loading /	Each	383.000	3.13	1198.79				
ii		Cement bag of 50 Kg.	Each	0.600	262.27	157.36				
iii		Sand	Cum	0.144	200.59	28.88				
		Total - I				1385.03				
		Sundries @ 3% i.e. on Rs. 1385.03				41.55				
		Add contractor's profit @ 10% i.e. on Rs. 1385.03				142.66				
		Add Labour cess @ 1% i.e. on Rs. 1569.24				15.69				
		Material cost for	10.00	Sqm.		1584.93				
		Material cost for	1.00	Sqm.		158.49	158.49			158.49
II		Labour								
		Taking output	100	Sqm.						
i		Masons (Second class)	Each	2.200	190.00	418.00				
ii		Mazdoor (Skilled - Upper)	Each	2.200	164.69	362.32				
iii		Mazdoor (Skilled - Lower)	Each	8.000	153.56	1228.48				
iv		Bhishti	Each	1.500	173.76	260.64				
		Total - II				2269.44				
		Sundries @ 3% i.e. on Rs. 2269.44				68.08				
		Add contractor's profit @ 21.50% i.e. on Rs. 2337.52				502.57				
		Add Labour cess @ 1% i.e. on Rs. 2840.09				28.40				
		Labour for	100	Sqm.		2868.49				
		Labour for	1	Sqm.		28.68	28.68			28.68
		Cost for	1	Sqm.			187.17			
		Add 10% for sub mountainous region								2.87
		Labour for	1	Sqm.						31.55
		Cost for	1	Sqm.						190.04

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.26		First class flat brick paving or flooring laid over and in cement sand mortar 1:5 in ordinary bonded courses or in herring bone or other special courses, to templates, over dressed foundation and to correct longitudinal and cross slopes as shall be required by the Engineer-in-charge. All joints shall be filled with mortar and struck flushed as the work proceeds.								
		Unit :-	1	Sqm.						
		Taking Output :-	10	Sqm.						
I		Materials								
i		Bricks 1st Class including carriage of 5 kiloms including loading / unloading		Each	383.000	3.13	1198.79			
ii		Cement bag of 50 Kg.		Each	0.720	262.27	188.83			
iii		Sand		Cum	0.144	200.59	28.88			
		Total - I					1416.50			
		Sundries @ 3% i.e. on Rs. 1416.5					42.50			
		Add contractor's profit @ 10% i.e. on Rs. 1416.5					145.90			
		Add Labour cess @ 1% i.e. on Rs. 1604.9					16.05			
		Material cost for	10.00	Sqm.			1620.95			
		Material cost for	1.00	Sqm.			162.10	162.10		162.10
II		Labour								
		Taking output	100	Sqm.						
i		Masons (Second class)		Each	2.200	190.00	418.00			
ii		Mazdoor (Skilled - Upper)		Each	2.200	164.69	362.32			
iii		Mazdoor (Skilled - Lower)		Each	8.000	153.56	1228.48			
iv		Bhishti		Each	1.500	173.76	260.64			
		Total - II					2269.44			
		Sundries @ 3% i.e. on Rs. 2269.44					68.08			
		Add contractor's profit @ 21.50% i.e. on Rs. 2337.52					502.57			
		Add Labour cess @ 1% i.e. on Rs. 2840.09					28.40			
		Labour for	100	Sqm.			2868.49			
		Labour for	1	Sqm.			28.68	28.68		28.68
		Cost for	1	Sqm.				190.78		
		Add 10% for sub mountainous region								2.87
		Labour for	1	Sqm.						31.55
		Cost for	1	Sqm.						193.65

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.27		First class brick on edge paving or flooring laid over and in lime mortar laid as decribed in item no. 29.24			To be deleted					

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.28		First class brick on edge paving or flooring laid over and in cement sand mortar 1:6 in ordinary bonded courses or in herring bone or other special courses, to templates, over dressed foundation and to correct longitudinal and cross slopes as shall be required by the Engineer-in-charge. All joints shall be filled with mortar and struck flushed as the work proceeds.								
		Unit :- 1 Sqm.								
		Taking Output :- 10 Sqm.								
I		Materials								
i		Bricks 1st Class including carriage of 5 kiloms including loading / unloading	Each	617.000	3.13	1931.21				
ii		Cement bag of 50 Kg.	Each	0.720	262.27	188.83				
iii		Sand	Cum	0.171	200.59	34.30				
		Total - I				2154.34				
		Sundries @ 3% i.e. on Rs. 2154.34				64.63				
		Add contractor's profit @ 10% i.e. on Rs. 2154.34				221.90				
		Add Labour cess @ 1% i.e. on Rs. 2440.87				24.41				
		Material cost for 10.00 Sqm.				2465.28				
		Material cost for 1.00 Sqm.				246.53	246.53			246.53
II		Labour								
		Taking output 70 Sqm.								
i		Masons (First class)	Each	2.500	223.36	558.40				
ii		Masons (Second class)	Each	2.500	190.00	475.00				
iii		Mazdoor (Skilled - Upper)	Each	5.000	164.69	823.45				
iv		Mazdoor (Skilled - Lower)	Each	4.000	153.56	614.24				
v		Bhishti	Each	1.250	173.76	217.20				
		Total - II				2688.29				
		Sundries @ 3% i.e. on Rs. 2688.29				80.65				
		Add contractor's profit @ 21.50% i.e. on Rs. 2768.94				595.32				
		Add Labour cess @ 1% i.e. on Rs. 3364.26				33.64				
		Labour for 70 Sqm.				3397.90				
		Labour for 1 Sqm.				48.54	48.54			48.54
		Cost for 1 Sqm.					295.07			
		Add 10% for sub mountainous region								4.85
		Labour for 1 Sqm.								53.39
		Cost for 1 Sqm.								299.92

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.29		First class brick on edge paving or flooring laid over and in cement sand mortar 1:5 in ordinary bonded courses or in herring bone or other special courses, to templates, over dressed foundation and to correct longitudinal and cross slopes as shall be required by the Engineer-in-charge. All joints shall be filled with mortar and struck flushed as the work proceeds.								
		Unit :-	1	Sqm.						
		Taking Output :-	10	Sqm.						
I		Materials								
i		Bricks 1st Class including carriage of 5 kiloms including loading / unloading			Each	617.000	3.13	1931.21		
ii		Cement bag of 50 Kg.			Each	0.860	262.27	225.55		
iii		Sand			Cum	0.170	200.59	34.10		
		Total - I					2190.86			
		Sundries @ 3% i.e. on Rs. 2190.86					65.73			
		Add contractor's profit @ 10% i.e. on Rs. 2190.86					225.66			
		Add Labour cess @ 1% i.e. on Rs. 2482.25					24.82			
		Material cost for	10.00	Sqm.			2507.07			
		Material cost for	1.00	Sqm.			250.71	250.71		250.71
II		Labour								
		Taking output	70	Sqm.						
i		Masons (First class)			Each	2.500	223.36	558.40		
ii		Masons (Second class)			Each	2.500	190.00	475.00		
iii		Mazdoor (Skilled - Lower)			Each	9.000	153.56	1382.04		
iv		Bhishti			Each	1.250	173.76	217.20		
		Total - II					2632.64			
		Sundries @ 3% i.e. on Rs. 2632.64					78.98			
		Add contractor's profit @ 21.50% i.e. on Rs. 2711.62					583.00			
		Add Labour cess @ 1% i.e. on Rs. 3294.62					32.95			
		Labour for	70	Sqm.			3327.57			
		Labour for	1	Sqm.			47.54	47.54		47.54
		Cost for	1	Sqm.				298.25		
		Add 10% for sub mountainous region								4.75
		Labour for	1	Sqm.						52.29
		Cost for	1	Sqm.						303.00

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.30		First class brick on edge paving or flooring laid over and in cement sand mortar 1:4 in ordinary bonded courses or in herring bone or other special courses, to templates, over dressed foundation and to correct longitudinal and cross slopes as shall be required by the Engineer-in-charge. All joints shall be filled with mortar and struck flushed as the work proceeds.								
		Unit :-	1	Sqm.						
		Taking Output :-	10	Sqm.						
I		Materials								
i		Bricks 1st Class including carriage of 5 kiloms including loading / unloading			Each	617.000	3.13	1931.21		
ii		Cement bag of 50 Kg.			Each	1.030	262.27	270.14		
iii		Sand			Cum	0.170	200.59	34.10		
		Total - I					2235.45			
		Sundries @ 3% i.e. on Rs. 2235.45					67.06			
		Add contractor's profit @ 10% i.e. on Rs. 2235.45					230.25			
		Add Labour cess @ 1% i.e. on Rs. 2532.76					25.33			
		Material cost for	10.00	Sqm.			2558.09			
		Material cost for	1.00	Sqm.			255.81	255.81		255.81
II		Labour								
		Taking output	70	Sqm.						
i		Masons (First class)			Each	2.500	223.36	558.40		
ii		Masons (Second class)			Each	2.500	190.00	475.00		
iii		Mazdoor (Skilled - Lower)			Each	9.000	153.56	1382.04		
iv		Bhishti			Each	1.250	173.76	217.20		
		Total - II					2632.64			
		Sundries @ 3% i.e. on Rs. 2632.64					78.98			
		Add contractor's profit @ 21.50% i.e. on Rs. 2711.62					583.00			
		Add Labour cess @ 1% i.e. on Rs. 3294.62					32.95			
		Labour for	70	Sqm.			3327.57			
		Labour for	1	Sqm.			47.54	47.54		47.54
		Cost for	1	Sqm.				303.35		
		Add 10% for sub mountainous region								4.75
		Labour for	1	Sqm.						52.29
		Cost for	1	Sqm.						308.10

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.31		Extra over and above the rates for items No. 29.22 to 29.30 inclusive for pitching on the slope to sullage drains above cunnettes and to storm water channels, etc. where required.								
		Unit :-	1	Sqm.						
		Taking Output :-	10	Sqm.						
		Extra labour of working on slope and carriage of material								
i		Mason Class I			Each	0.090	223.36	20.10		
ii		Mazdoor (Skilled - Upper)			Each	0.190	164.69	31.29		
		Total					51.39			
		Sundries @ 3% i.e. on Rs. 51.39					1.54			
		Add contractor's profit @ 21.50% i.e. on Rs. 52.93					11.38			
		Add Labour cess @ 1% i.e. on Rs. 64.31					0.64			
		Labour for	10	Sqm.			64.95			
		Labour for	1	Sqm.			6.50	6.50		6.50
		Cost for	1	Sqm.				6.50		
		Add 10% for sub mountainous region								0.65
		Labour for	1	Sqm.						7.15
		Cost for	1	Sqm.						7.15

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.32		Brick ballast well or over burnt, broken and screened through a 32mm x 32mm square mesh screen laid consolidated and rammed to a finished thickness of 50mm to template and levels to correct longitudinal slopes cross slopes cambers, etc. under paving or flooring.								
		Unit :-	1	Sqm.						
		Taking Output :-	10	Sqm.						
I		Materials								
i		Quantity of Brick ballast = 10*0.05 = 0.50 Cum		Cum	0.500	543.73	271.87			
		Total - I					271.87			
		Sundries @ 3% i.e. on Rs. 271.87					8.16			
		Add contractor's profit @ 10% i.e. on Rs. 271.87					28.00			
		Add Labour cess @ 1% i.e. on Rs. 308.03					3.08			
		Material cost for	10.00	Sqm.			311.11			
		Material cost for	1.00	Sqm.			31.11	31.11		31.11
II		Labour								
		Taking output	200	Sqm.						
i		Masons (Second class)		Each	0.440	190.00	83.60			
ii		Mazdoor (Skilled - Upper)		Each	5.080	164.69	836.63			
iii		Mazdoor (Skilled - Lower)		Each	4.410	153.56	677.20			
iv		Bhishti		Each	0.180	173.76	31.28			
v		Extra labour to template and level and laid to correct logitudinal slopes cross slopes chambers etc. at 15% on labour (The Percentage includes for laying in thin layers)			1628.710	15%	244.31			
		Total - II					1873.02			
		Sundries @ 3% i.e. on Rs. 1873.02					56.19			
		Add contractor's profit @ 21.50% i.e. on Rs. 1929.21					414.78			
		Add Labour cess @ 1% i.e. on Rs. 2343.99					23.44			
		Labour for	200	Sqm.			2367.43			
		Labour for	1	Sqm.			11.84	11.84		11.84
		Cost for	1	Sqm.			42.95			
		Add 10% for sub mountainous region								1.18
		Labour for	1	Sqm.						13.02
		Cost for	1	Sqm.						44.13

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
29.33		Brick ballast well or over burnt, broken and screened through a 32mm x 32mm square mesh screen laid consolidated and rammed to a finished thickness of 75mm as above.										
		Unit :-	1	Sqm.								
		Taking Output :-	10	Sqm.								
I		Materials										
i		Quantity of Brick ballast = 10*0.08 = 0.80 Cum			Cum	0.800	543.73	434.98				
		Total - I						434.98				
		Sundries @ 3% i.e. on Rs. 434.98						13.05				
		Add contractor's profit @ 10% i.e. on Rs. 434.98						44.80				
		Add Labour cess @ 1% i.e. on Rs. 492.83						4.93				
		Material cost for	10.00	Sqm.				497.76				
		Material cost for	1.00	Sqm.				49.78	49.78			49.78
II		Labour										
		Taking output	200	Sqm.								
i		Masons (Second class)			Each	0.660	190.00	125.40				
ii		Mazdoor (Skilled - Upper)			Each	7.620	164.69	1254.94				
iii		Mazdoor (Skilled - Lower)			Each	6.610	153.56	1015.03				
iv		Bhishti			Each	0.270	173.76	46.92				
v		Extra labour to template and level and laid to correct logitudinal slopes cross slopes chambers etc. at 15% on labour (The Percentage includes for laying in thin layers)				2442.290	15%	366.34				
		Total - II						2808.63				
		Sundries @ 3% i.e. on Rs. 2808.63						84.26				
		Add contractor's profit @ 21.50% i.e. on Rs. 2892.89						621.97				
		Add Labour cess @ 1% i.e. on Rs. 3514.86						35.15				
		Labour for	200	Sqm.				3550.01				
		Labour for	1	Sqm.				17.75	17.75			17.75
		Cost for	1	Sqm.					67.53			
		Add 10% for sub mountainous region										1.78
		Labour for	1	Sqm.								19.53
		Cost for	1	Sqm.								69.31

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.34		Clay concrete, consisting of 100 parts by volume of well burnt or over burnt brick ballast screened through 32mm x 32mm square mesh screen mixed with 33 parts by volume of fine Puddle clay, thoroughly mixed, laid consolidated and rammed to a finished thickness of 50mm to template and levels and to a correct longitudinal slopes, cross slopes, cambers, etc. under paving or flooring as shall be required by the Engineer-in-Charge.								
		Unit :-	1	Sqm.						
		Taking Output :-	10	Sqm.						
I		Materials								
i		Quantity of Brick ballast = 10*0.05 = 0.50 Cum		Cum	0.500	543.73	271.87			
		Total - I					271.87			
		Sundries @ 3% i.e. on Rs. 271.87					8.16			
		Add contractor's profit @ 10% i.e. on Rs. 271.87					28.00			
		Add Labour cess @ 1% i.e. on Rs. 308.03					3.08			
		Material cost for	10.00	Sqm.			311.11			
		Material cost for	1.00	Sqm.			31.11	31.11		31.11
II		Labour								
		Taking output	680	Sqm.						
i		Masons (Second class)		Each	1.500	190.00	285.00			
ii		Mazdoor (Skilled - Upper)		Each	12.000	164.69	1976.28			
iii		Mazdoor (Skilled - Lower)		Each	17.000	153.56	2610.52			
iv		Bhishti		Each	0.500	173.76	86.88			
v		Extra labour to template and level and laid to correct longitudinal slopes cross slopes chambers etc. at 15% on labour (The Percentage includes for laying in thin layers)			4958.680	15%	743.80			
vi		Good earth for mud mortar 40/100*34 = 13.60		Cum	13.600	178.73	2430.73			
		Total - II					8133.21			
		Sundries @ 3% i.e. on Rs. 8133.21					244.00			
		Add contractor's profit @ 21.50% i.e. on Rs. 8377.21					1801.10			
		Add Labour cess @ 1% i.e. on Rs. 10178.31					101.78			
		Labour for	680	Sqm.			10280.09			
		Labour for	1	Sqm.			15.12	15.12		15.12
		Cost for	1	Sqm.			46.23			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Add 10% for sub mountainous region										1.51
		Labour for	1	Sqm.								16.63
		Cost for	1	Sqm.								47.74

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.35		Clay concrete as above but laid consolidated and rammed to a finished thickness of 75mm as above.								
		Unit :-	1	Sqm.						
		Taking Output :-	10	Sqm.						
I		Materials								
i		Quantity of Brick ballast = $10 \times 0.075 = 0.75$ Cum		Cum	0.750	543.73	407.80			
		Total - I					407.80			
		Sundries @ 3% i.e. on Rs. 407.8					12.23			
		Add contractor's profit @ 10% i.e. on Rs. 407.8					42.00			
		Add Labour cess @ 1% i.e. on Rs. 462.03					4.62			
		Material cost for	10.00	Sqm.			466.65			
		Material cost for	1.00	Sqm.			46.67	46.67		46.67
II		Labour								
		Taking output	680	Sqm.						
i		Masons (Second class)		Each	2.250	190.00	427.50			
ii		Mazdoor (Skilled - Upper)		Each	18.000	164.69	2964.42			
iii		Mazdoor (Skilled - Lower)		Each	15.000	153.56	2303.40			
iv		Bhishti		Each	0.500	173.76	86.88			
v		Extra labour to template and level and laid to correct logitudinal slopes cross slopes chambers etc. at 15% on labour (The Percentage includes for laying in thin layers)			5782.200	15%	867.33			
vi		Good earth for mud mortar $40/100 \times 34 = 13.60$		Cum	13.600	178.73	2430.73			
		Total - II					9080.26			
		Sundries @ 3% i.e. on Rs. 9080.26					272.41			
		Add contractor's profit @ 21.50% i.e. on Rs. 9352.67					2010.82			
		Add Labour cess @ 1% i.e. on Rs. 11363.49					113.63			
		Labour for	680	Sqm.			11477.12			
		Labour for	1	Sqm.			16.88	16.88		16.88
		Cost for	1	Sqm.				63.55		
		Add 10% for sub mountainous region								1.69
		Labour for	1	Sqm.						18.57
		Cost for	1	Sqm.						65.24

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.36		Providing & fixing 560mm, 500mm and 450mm internal Diameter circular or 455 mm x 610mm clear inside opening rectangular cast iron manhole cover and frame ISI marked as per IS12592-2002 including carriage from the stores of the Engineer-in-charge to site of work, loading, unloading including stacking and setting the same to correct lines and levels in 1:2 cement sand mortar over manholes including cement concrete coping (1:2:4) around the frame etc. Dia of steel for lifting hook is 16mm.								
A		Heavy duty								
a		560mm i/d having weight 208 Kg. as per ISI								
		Unit :- 1	Each							
		Taking Output for 4 Nos. * 208 Kg. :-	4	Nos.						
I		Material								
i		C.I. Manhole cover 4*208		Kg.	832.000	45.00	37440.00			
ii		12.50mm TH C. Plaster 1:2 under base of frame 4*3.142*0.71*0.150 (Rate as per CSR item 15.7)		Sqm	1.338	55.26	73.94			
iii		C. Concrete 1:2:4 for coping around frame 4*3.142*1.210*0.228*0.076* (Rate as per CSR item 10.11)		Cum	0.264	1683.63	444.48			
		Total - I					37958.42			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 37958.42					1138.75			
		Add contractor's profit @ 10% i.e. on Rs. 39097.17					3909.72			
		Add Labour cess @ 1% i.e. on Rs. 43006.89					430.07			
		Material cost for 4.00 Nos.					43436.96			
		Material cost for 1.00 Each					10859.24	10859.24		10859.24
II		Labour								
		Taking output	4	Nos						
(i)		Mason Class I		Each	1.000	223.36	223.36			
(ii)		Mazdoor (Skilled - Upper)		Each	3.000	164.69	494.07			
		Total - II					717.43			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 717.43					21.52			
		Add contractor's profit @ 21.50% i.e. on Rs. 738.95					158.87			
		Add Labour cess @ 1% i.e. on Rs. 897.82					8.98			
		Labour for 4 Nos	4	Nos			906.80			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Labour for	1	Each				226.70	226.70			226.70
		Cost for	1	Each					11085.94			
		Add 10% for sub mountainous region										22.67
		Labour for	1	Each								249.37
		Cost for	1	Each								11108.61

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		500mm i/d having weight 170 Kg. as per ISI								
		Unit :-	1	Each						
		Taking Output for 4 Nos. * 170 Kg. :-	4	Nos.						
I		Material								
i		C.I. Manhole cover 4*170		Kg.	680.000	45.00	30600.00			
ii		12.50mm TH C. Plaster 1:2 under base of frame 4*3.142*0.65*0.150 (Rate as per CSR item 15.7)		Sqm	1.225	55.26	67.69			
iii		C. Concrete 1:2:4 for gola around frame 4*3.142*1.15*0.67*0.165*0.350 (Rate as per CSR item 10.11)		Cum	0.559	1683.63	941.15			
		Total - I					31608.84			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 31608.84					948.27			
		Add contractor's profit @ 10% i.e. on Rs. 32557.11					3255.71			
		Add Labour cess @ 1% i.e. on Rs. 35812.82					358.13			
		Material cost for	4.00	Nos.			36170.95			
		Material cost for	1.00	Each			9042.74	9042.74		9042.74
II		Labour								
		Taking output	4	Nos						
(i)		Mason Class I		Each	0.750	223.36	167.52			
(ii)		Mazdoor (Skilled - Upper)		Each	3.000	164.69	494.07			
		Total - II					661.59			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 661.59					19.85			
		Add contractor's profit @ 21.50% i.e. on Rs. 681.44					146.51			
		Add Labour cess @ 1% i.e. on Rs. 827.95					8.28			
		Labour for	4	Nos			836.23			
		Labour for	1	Each			209.06	209.06		209.06
		Cost for	1	Each				9251.80		
		Add 10% for sub mountainous region								20.91
		Labour for	1	Each						229.97
		Cost for	1	Each						9272.71

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
B		Light duty										
a		Rectangular single/double seal pattern 610mm x 610mm clear inside opening (Weight as per I.S.I)										
		Unit :-	1	Each								
		Taking Output for 4 Nos. * 170 Kg. :-	4	Nos.								
I		Material										
i		C.I. Manhole cover 4*170			Kg.	680.000	45.00	30600.00				
ii		12.50mm TH C. Plaster 1:2 under base of frame 4*3.142*0.65*0.150 (Rate as per CSR item 15.7)			Sqm	1.225	55.26	67.69				
iii		C. Concrete 1:2:4 for gola around frame 4*3.142*1.15*0.67*0.165*0.350 (Rate as per CSR item 10.11)			Cum	0.559	1683.63	941.15				
		Total - I						31608.84				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 31608.84						948.27				
		Add contractor's profit @ 10% i.e. on Rs. 32557.11						3255.71				
		Add Labour cess @ 1% i.e. on Rs. 35812.82						358.13				
		Material cost for	4.00	Nos.				36170.95				
		Material cost for	1.00	Each				9042.74	9042.74			9042.74
II		Labour										
		Taking output			4	Nos						
(i)		Mason Class I			Each	0.750	223.36	167.52				
(ii)		Mazdoor (Skilled - Upper)			Each	2.500	164.69	411.73				
		Total - II						579.25				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 579.25						17.38				
		Add contractor's profit @ 21.50% i.e. on Rs. 596.63						128.28				
		Add Labour cess @ 1% i.e. on Rs. 724.91						7.25				
		Labour for	4	Nos				732.16				
		Labour for	1	Each				183.04	183.04			183.04
		Cost for	1	Each					9225.78			
		Add 10% for sub mountainous region										18.30
		Labour for	1	Each								201.34
		Cost for	1	Each								9244.08

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		Rectangular single/double seal pattern 450mm x 450mm clear inside opening (Weight as per I.S.I)								
		Unit :-	1	Each						
		Taking Output for 4 Nos. * 170 Kg. :-	4	Nos.						
I		Material								
i		C.I. Manhole cover 4*170		Kg.	680.000	45.00	30600.00			
ii		12.50mm TH C. Plaster 1:2 under base of frame 4*3.142*0.65*0.150 (Rate as per CSR item 15.7)		Sqm	1.225	55.26	67.69			
iii		C. Concrete 1:2:4 for gola around frame 4*3.142*1.15*0.67*0.165*0.350 (Rate as per CSR item 10.11)		Cum	0.559	1683.63	941.15			
		Total - I					31608.84			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 31608.84					948.27			
		Add contractor's profit @ 10% i.e. on Rs. 32557.11					3255.71			
		Add Labour cess @ 1% i.e. on Rs. 35812.82					358.13			
		Material cost for	4.00	Nos.			36170.95			
		Material cost for	1.00	Each			9042.74	9042.74		9042.74
II		Labour								
		Taking output	4	Nos						
(i)		Mason Class I		Each	0.750	223.36	167.52			
(ii)		Mazdoor (Skilled - Upper)		Each	2.500	164.69	411.73			
		Total - II					579.25			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 579.25					17.38			
		Add contractor's profit @ 21.50% i.e. on Rs. 596.63					128.28			
		Add Labour cess @ 1% i.e. on Rs. 724.91					7.25			
		Labour for	4	Nos			732.16			
		Labour for	1	Each			183.04	183.04		183.04
		Cost for	1	Each			9225.78			
		Add 10% for sub mountainous region								18.30
		Labour for	1	Each						201.34
		Cost for	1	Each						9244.08

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c		Circular single/double seal pattern clear circular 500 mm inside opening (Weight as per I.S.I)								
		Unit :-	1	Each						
		Taking Output for 4 Nos. * 170 Kg. :-	4	Nos.						
I		Material								
i		C.I. Manhole cover 4*170		Kg.	680.000	45.00	30600.00			
ii		12.50mm TH C. Plaster 1:2 under base of frame 4*3.142*0.65*0.150 (Rate as per CSR item 15.7)		Sqm	1.225	55.26	67.69			
iii		C. Concrete 1:2:4 for gola around frame 4*3.142*1.15*0.67*0.165*0.350 (Rate as per CSR item 10.11)		Cum	0.559	1683.63	941.15			
		Total - I					31608.84			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 31608.84					948.27			
		Add contractor's profit @ 10% i.e. on Rs. 32557.11					3255.71			
		Add Labour cess @ 1% i.e. on Rs. 35812.82					358.13			
		Material cost for	4.00	Nos.			36170.95			
		Material cost for	1.00	Each			9042.74	9042.74		9042.74
II		Labour								
		Taking output	4	Nos						
(i)		Mason Class I		Each	0.750	223.36	167.52			
(ii)		Mazdoor (Skilled - Upper)		Each	2.500	164.69	411.73			
		Total - II					579.25			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 579.25					17.38			
		Add contractor's profit @ 21.50% i.e. on Rs. 596.63					128.28			
		Add Labour cess @ 1% i.e. on Rs. 724.91					7.25			
		Labour for	4	Nos			732.16			
		Labour for	1	Each			183.04	183.04		183.04
		Cost for	1	Each			9225.78			
		Add 10% for sub mountainous region								18.30
		Labour for	1	Each						201.34
		Cost for	1	Each						9244.08

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d		Circular single/double seal pattern clear circular 450 mm inside opening (Weight as per I.S.I)								
		Unit :-	1	Each						
		Taking Output for 4 Nos. * 170 Kg. :-	4	Nos.						
I		Material								
i		C.I. Manhole cover 4*170		Kg.	680.000	45.00	30600.00			
ii		12.50mm TH C. Plaster 1:2 under base of frame 4*3.142*0.65*0.150 (Rate as per CSR item 15.7)		Sqm	1.225	55.26	67.69			
iii		C. Concrete 1:2:4 for gola around frame 4*3.142*1.15*0.67*0.165*0.350 (Rate as per CSR item 10.11)		Cum	0.559	1683.63	941.15			
		Total - I					31608.84			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 31608.84					948.27			
		Add contractor's profit @ 10% i.e. on Rs. 32557.11					3255.71			
		Add Labour cess @ 1% i.e. on Rs. 35812.82					358.13			
		Material cost for	4.00	Nos.			36170.95			
		Material cost for	1.00	Each			9042.74	9042.74		9042.74
II		Labour								
		Taking output	4	Nos						
(i)		Mason Class I		Each	0.750	223.36	167.52			
(ii)		Mazdoor (Skilled - Upper)		Each	2.500	164.69	411.73			
		Total - II					579.25			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 579.25					17.38			
		Add contractor's profit @ 21.50% i.e. on Rs. 596.63					128.28			
		Add Labour cess @ 1% i.e. on Rs. 724.91					7.25			
		Labour for	4	Nos			732.16			
		Labour for	1	Each			183.04	183.04		183.04
		Cost for	1	Each			9225.78			
		Add 10% for sub mountainous region								18.30
		Labour for	1	Each						201.34
		Cost for	1	Each						9244.08

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
C		R.C.C. Manhole cover								
a		560mm i/d Extra heavy duty								
		Unit :-	1	Each						
		Taking Output :-	4	Nos.						
I		Material								
i		R.C.C. Manhole cover		Each	4.000	1275.00	5100.00			
ii		12.50mm TH C. Plaster 1:2 under base of frame 4*3.142*1.21*0.228 (Rate as per CSR item 15.7)		Sqm	1.338	55.26	73.94			
iii		C. Concrete 1:2:4 for gola around frame 4*3.142*1.210*0.67*0.165*0.350 (Rate as per CSR item 10.11)		Cum	0.588	1683.63	989.97			
		Total - I					6163.91			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 6163.91					184.92			
		Add contractor's profit @ 10% i.e. on Rs. 6348.83					634.88			
		Add Labour cess @ 1% i.e. on Rs. 6983.71					69.84			
		Material cost for	4.00	Nos.			7053.55			
		Material cost for	1.00	Each			1763.39	1763.39		1763.39
II		Labour								
		Taking output	4	Nos						
(i)		Mason Class I		Each	1.000	223.36	223.36			
(ii)		Mazdoor (Skilled - Upper)		Each	3.000	164.69	494.07			
		Total - II					717.43			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 717.43					21.52			
		Add contractor's profit @ 21.50% i.e. on Rs. 738.95					158.87			
		Add Labour cess @ 1% i.e. on Rs. 897.82					8.98			
		Labour for	4	Nos			906.80			
		Labour for	1	Each			226.70	226.70		226.70
		Cost for	1	Each			1990.09			
		Add 10% for sub mountainous region								22.67
		Labour for	1	Each						249.37
		Cost for	1	Each						2012.76

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		560mm i/d Heavy duty								
		Unit :-	1	Each						
		Taking Output :-	4	Nos.						
I		Material								
i		R.C.C. Manhole cover		Each	4.000	1100.00	4400.00			
ii		12.50mm TH C. Plaster 1:2 under base of frame 4*3.142*0.71*0.150 (Rate as per CSR item 15.7)		Sqm	1.338	55.26	73.94			
iii		C. Concrete 1:2:4 for gola around frame 4*3.142*1.210*0.67*0.165*0.350 (Rate as per CSR item 10.11)		Cum	0.588	1683.63	989.97			
		Total - I					5463.91			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 5463.91					163.92			
		Add contractor's profit @ 10% i.e. on Rs. 5627.83					562.78			
		Add Labour cess @ 1% i.e. on Rs. 6190.61					61.91			
		Material cost for	4.00	Nos.			6252.52			
		Material cost for	1.00	Each			1563.13	1563.13		1563.13
II		Labour								
		Taking output	4	Nos						
(i)		Mason Class I		Each	1.000	223.36	223.36			
(ii)		Mazdoor (Skilled - Upper)		Each	3.000	164.69	494.07			
		Total - II					717.43			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 717.43					21.52			
		Add contractor's profit @ 21.50% i.e. on Rs. 738.95					158.87			
		Add Labour cess @ 1% i.e. on Rs. 897.82					8.98			
		Labour for	4	Nos			906.80			
		Labour for	1	Each			226.70	226.70		226.70
		Cost for	1	Each			1789.83			
		Add 10% for sub mountainous region								22.67
		Labour for	1	Each						249.37
		Cost for	1	Each						1812.50

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c		500mm i/d Heavy duty								
		Unit :-	1	Each						
		Taking Output :-	4	Nos.						
I		Material								
i		R.C.C. Manhole cover		Each	4.000	1063.00	4252.00			
ii		12.50mm TH C. Plaster 1:2 under base of frame 4*3.142*0.65*0.150 (Rate as per CSR item 15.7)		Sqm	1.225	55.26	67.69			
iii		C. Concrete 1:2:4 for gola around frame 4*3.142*1.15*0.67*0.165*0.350 (Rate as per CSR item 10.11)		Cum	0.559	1683.63	941.15			
		Total - I					5260.84			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 5260.84					157.83			
		Add contractor's profit @ 10% i.e. on Rs. 5418.67					541.87			
		Add Labour cess @ 1% i.e. on Rs. 5960.54					59.61			
		Material cost for	4.00	Nos.			6020.15			
		Material cost for	1.00	Each			1505.04	1505.04		1505.04
II		Labour								
		Taking output	4	Nos						
(i)		Mason Class I		Each	1.000	223.36	223.36			
(ii)		Mazdoor (Skilled - Upper)		Each	3.000	164.69	494.07			
		Total - II					717.43			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 717.43					21.52			
		Add contractor's profit @ 21.50% i.e. on Rs. 738.95					158.87			
		Add Labour cess @ 1% i.e. on Rs. 897.82					8.98			
		Labour for	4	Nos			906.80			
		Labour for	1	Each			226.70	226.70		226.70
		Cost for	1	Each			1731.74			
		Add 10% for sub mountainous region								22.67
		Labour for	1	Each						249.37
		Cost for	1	Each						1754.41

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d		560mm i/d Medium duty								
		Unit :-	1	Each						
		Taking Output :-	4	Nos.						
I		Material								
i		R.C.C. Manhole cover		Each	4.000	1001.00	4004.00			
ii		12.50mm TH C. Plaster 1:2 under base of frame 4*3.142*0.71*0.150 (Rate as per CSR item 15.7)		Sqm	1.338	55.26	73.94			
iii		C. Concrete 1:2:4 for gola around frame 4*3.142*1.210*0.67*0.165*0.350 (Rate as per CSR item 10.11)		Cum	0.588	1683.63	989.97			
		Total - I					5067.91			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 5067.91					152.04			
		Add contractor's profit @ 10% i.e. on Rs. 5219.95					522.00			
		Add Labour cess @ 1% i.e. on Rs. 5741.95					57.42			
		Material cost for	4.00	Nos.			5799.37			
		Material cost for	1.00	Each			1449.84	1449.84		1449.84
II		Labour								
		Taking output	4	Nos						
(i)		Mason Class I		Each	1.000	223.36	223.36			
(ii)		Mazdoor (Skilled - Upper)		Each	3.000	164.69	494.07			
		Total - II					717.43			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 717.43					21.52			
		Add contractor's profit @ 21.50% i.e. on Rs. 738.95					158.87			
		Add Labour cess @ 1% i.e. on Rs. 897.82					8.98			
		Labour for	4	Nos			906.80			
		Labour for	1	Each			226.70	226.70		226.70
		Cost for	1	Each			1676.54			
		Add 10% for sub mountainous region								22.67
		Labour for	1	Each						249.37
		Cost for	1	Each						1699.21

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
e		500mm i/d Medium duty								
		Unit :-	1	Each						
		Taking Output :-	4	Nos.						
I		Material								
i		R.C.C. Manhole cover		Each	4.000	910.00	3640.00			
ii		12.50mm TH C. Plaster 1:2 under base of frame 4*3.142*0.65*0.150 (Rate as per CSR item 15.7)		Sqm	1.225	55.26	67.69			
iii		C. Concrete 1:2:4 for gola around frame 4*3.142*1.15*0.67*0.165*0.350 (Rate as per CSR item 10.11)		Cum	0.559	1683.63	941.15			
		Total - I					4648.84			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 4648.84					139.47			
		Add contractor's profit @ 10% i.e. on Rs. 4788.31					478.83			
		Add Labour cess @ 1% i.e. on Rs. 5267.14					52.67			
		Material cost for	4.00	Nos.			5319.81			
		Material cost for	1.00	Each			1329.95	1329.95		1329.95
II		Labour								
		Taking output	4	Nos						
(i)		Mason Class I		Each	0.750	223.36	167.52			
(ii)		Mazdoor (Skilled - Upper)		Each	3.000	164.69	494.07			
		Total - II					661.59			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 661.59					19.85			
		Add contractor's profit @ 21.50% i.e. on Rs. 681.44					146.51			
		Add Labour cess @ 1% i.e. on Rs. 827.95					8.28			
		Labour for	4	Nos			836.23			
		Labour for	1	Each			209.06	209.06		209.06
		Cost for	1	Each			1539.01			
		Add 10% for sub mountainous region								20.91
		Labour for	1	Each						229.97
		Cost for	1	Each						1559.92

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
f		Light duty Rectangular single/double seal pattern 610mm x 610mm clear inside opening								
		Unit :-	1	Each						
		Taking Output :-	4	Nos.						
I		Material								
i		R.C.C. Manhole cover		Each	4.000	739.00	2956.00			
ii		12.50mm TH C. Plaster 1:2 under base of frame 4*3.142*0.71*0.150 (Rate as per CSR item 15.7)		Sqm	1.338	55.26	73.94			
iii		C. Concrete 1:2:4 for gola around frame 4*3.142*1.210*0.67*0.165*0.350 (Rate as per CSR item 10.11)		Cum	0.588	1683.63	989.97			
		Total - I					4019.91			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 4019.91					120.60			
		Add contractor's profit @ 10% i.e. on Rs. 4140.51					414.05			
		Add Labour cess @ 1% i.e. on Rs. 4554.56					45.55			
		Material cost for	4.00	Nos.			4600.11			
		Material cost for	1.00	Each			1150.03	1150.03		1150.03
II		Labour								
		Taking output	4	Nos						
(i)		Mason Class I		Each	0.500	223.36	111.68			
(ii)		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					276.37			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 276.37					8.29			
		Add contractor's profit @ 21.50% i.e. on Rs. 284.66					61.20			
		Add Labour cess @ 1% i.e. on Rs. 345.86					3.46			
		Labour for	4	Nos			349.32			
		Labour for	1	Each			87.33	87.33		87.33
		Cost for	1	Each			1237.36			
		Add 10% for sub mountainous region								8.73
		Labour for	1	Each						96.06
		Cost for	1	Each						1246.09

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
g		Light duty Rectangular single/double seal pattern 450mm x 450mm clear inside opening								
		Unit :-	1	Each						
		Taking Output :-	4	Nos.						
I		Material								
i		R.C.C. Manhole cover		Each	4.000	681.00	2724.00			
ii		12.50mm TH C. Plaster 1:2 under base of frame 4*3.142*0.65*0.150 (Rate as per CSR item 15.7)		Sqm	1.225	55.26	67.69			
iii		C. Concrete 1:2:4 for gola around frame 4*3.142*1.15*0.67*0.165*0.350 (Rate as per CSR item 10.11)		Cum	0.559	1683.63	941.15			
		Total - I					3732.84			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 3732.84					111.99			
		Add contractor's profit @ 10% i.e. on Rs. 3844.83					384.48			
		Add Labour cess @ 1% i.e. on Rs. 4229.31					42.29			
		Material cost for	4.00	Nos.			4271.60			
		Material cost for	1.00	Each			1067.90	1067.90		1067.90
II		Labour								
		Taking output	4	Nos						
(i)		Mason Class I		Each	0.500	223.36	111.68			
(ii)		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					276.37			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 276.37					8.29			
		Add contractor's profit @ 21.50% i.e. on Rs. 284.66					61.20			
		Add Labour cess @ 1% i.e. on Rs. 345.86					3.46			
		Labour for	4	Nos			349.32			
		Labour for	1	Each			87.33	87.33		87.33
		Cost for	1	Each			1155.23			
		Add 10% for sub mountainous region								8.73
		Labour for	1	Each						96.06
		Cost for	1	Each						1163.96

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
h		Light duty Circular single/double seal pattern clear circular 500 mm inside opening								
		Unit :-	1	Each						
		Taking Output :-	4	Nos.						
I		Material								
i		R.C.C. Manhole cover		Each	4.000	500.00	2000.00			
ii		12.50mm TH C. Plaster 1:2 under base of frame 4*3.142*0.65*0.150 (Rate as per CSR item 15.7)		Sqm	1.225	55.26	67.69			
iii		C. Concrete 1:2:4 for gola around frame 4*3.142*1.15*0.67*0.165*0.350 (Rate as per CSR item 10.11)		Cum	0.559	1683.63	941.15			
		Total - I					3008.84			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 3008.84					90.27			
		Add contractor's profit @ 10% i.e. on Rs. 3099.11					309.91			
		Add Labour cess @ 1% i.e. on Rs. 3409.02					34.09			
		Material cost for	4.00	Nos.			3443.11			
		Material cost for	1.00	Each			860.78	860.78		860.78
II		Labour								
		Taking output	4	Nos						
(i)		Mason Class I		Each	0.500	223.36	111.68			
(ii)		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					276.37			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 276.37					8.29			
		Add contractor's profit @ 21.50% i.e. on Rs. 284.66					61.20			
		Add Labour cess @ 1% i.e. on Rs. 345.86					3.46			
		Labour for	4	Nos			349.32			
		Labour for	1	Each			87.33	87.33		87.33
		Cost for	1	Each			948.11			
		Add 10% for sub mountainous region								8.73
		Labour for	1	Each						96.06
		Cost for	1	Each						956.84

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i		Light duty Circular single/double seal pattern clear circular 450 mm inside opening								
		Unit :-	1	Each						
		Taking Output :-	4	Nos.						
I		Material								
i		R.C.C. Manhole cover		Each	4.000	569.00	2276.00			
ii		12.50mm TH C. Plaster 1:2 under base of frame 4*3.142*0.65*0.150 (Rate as per CSR item 15.7)		Sqm	1.225	55.26	67.69			
iii		C. Concrete 1:2:4 for gola around frame 4*3.142*1.15*0.67*0.165*0.350 (Rate as per CSR item 10.11)		Cum	0.559	1683.63	941.15			
		Total - I					3284.84			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 3284.84					98.55			
		Add contractor's profit @ 10% i.e. on Rs. 3383.39					338.34			
		Add Labour cess @ 1% i.e. on Rs. 3721.73					37.22			
		Material cost for	4.00	Nos.			3758.95			
		Material cost for	1.00	Each			939.74	939.74		939.74
II		Labour								
		Taking output	4	Nos						
(i)		Mason Class I		Each	0.500	223.36	111.68			
(ii)		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					276.37			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 276.37					8.29			
		Add contractor's profit @ 21.50% i.e. on Rs. 284.66					61.20			
		Add Labour cess @ 1% i.e. on Rs. 345.86					3.46			
		Labour for	4	Nos			349.32			
		Labour for	1	Each			87.33	87.33		87.33
		Cost for	1	Each			1027.07			
		Add 10% for sub mountainous region								8.73
		Labour for	1	Each						96.06
		Cost for	1	Each						1035.80

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
	29.37	Fixing C.I or malleable iron step including carriage from stores of the Engineer-in-Charge to the site of works, and setting the same to correct line and levels in the work embedded in 1:2 cement and sand mortar.	DELETED and replaced with new							

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.37		Foot Rest for Manhole.								
a		Providing M.S. foot rests made of 20x20 mm square bar including fixing in manholes with 20x20x10 cm cement concrete blocks 1:2:4 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design.								
	DSR 19.15									
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		M.S. 20 mm square bar 0.75 m @ 3.137 Kg/m		Qtl.	0.024	3814.37	91.54			
ii		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) 0.20x0.20x0.10 m = 0.004 cum								
		Rate as per item no CSR 10.11		Cum.	0.004	1683.63	6.73			
		Total - I					98.27			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 98.27					2.95			
		Add contractor's profit @ 10% i.e. on Rs. 101.22					10.12			
		Add Labour cess @ 1% i.e. on Rs. 111.34					1.11			
		Material cost for	1	Each			112.45			
		Material cost for	1	Each			112.45	112.45		112.45
II		Labour								
		Taking output	1	Each						
a		For fabrication								
i		Black smith (2nd class)		Each	0.100	190.00	19.00			
ii		Mazdoor		Each	0.100	136.69	13.67			
b		For fixing M.S. foot rests								
i		Mason 1st Class		Each	0.020	223.36	4.47			
ii		Mason 2nd Class		Each	0.000	190.00	0.00			
iii		Mazdoor		Each	0.050	136.69	6.83			
		Total - II					43.97			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 43.97					1.32			
		Add contractor's profit @ 21.50% i.e. on Rs. 45.29					9.74			
		Add Labour cess @ 1% i.e. on Rs. 55.03					0.55			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
								55.58				
		Labour for	1	Each				55.58	55.58			55.58
		Cost for	1	Each					168.03			
		Add 10% for sub mountainous region										5.56
		Labour for	1	Each								61.14
		Cost for	1	Each								173.59

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b	DSR 19.16	Providing orange colour safety footrest of minimum 6mm thick plastic encapsulated as per IS:10910 on 12mm dia steel bar confirming to IS: 1786 having minimum cross section as 23mm x 25mm and over all minimum length 263mm and width as 165mm with minimum 112mm space between protruded legs having 2mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specification and having manufacturer's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x11.5cm cement concrete block 1:2:4 (1 cement: 2 sand: 4 stone aggregate) complete as per design.								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		Cost of PVC steps		Each	1.000	73.00	73.00			
ii		C. Concrete 1:2:4 for fixing steps 0.30*0.20*0.115 (Rate as per CSR item 10.11)		Cum	0.007	1683.63	11.79			
		Total - I					84.79			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 84.79					2.54			
		Add contractor's profit @ 10% i.e. on Rs. 87.33					8.73			
		Add Labour cess @ 1% i.e. on Rs. 96.06					0.96			
		Material cost for	1.00	Each			97.02			
		Material cost for	1.00	Each			97.02	97.02		97.02
II		Labour								
		Taking output	1	Each						
i		Mason 1st Class		Each	0.020	223.36	4.47			
ii		Mason 2nd Class		Each	0.020	190.00	3.80			
iii		Mazdoor		Each	0.050	136.69	6.83			
		Total - II					15.10			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 15.1					0.45			
		Add contractor's profit @ 21.50% i.e. on Rs. 15.55					3.34			
		Add Labour cess @ 1% i.e. on Rs. 18.89					0.19			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Labour for	1	Each				19.08				
		Labour for	1	Each				19.08	19.08			19.08
		Cost for	1	Each					116.10			
		Add 10% for sub mountainous region										1.91
		Labour for	1	Each								20.99
		Cost for	1	Each								118.01

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c	DSR - 19.17	Replacement of M.S. foot rests made of 20x20 mm square bar in manholes including dismantling concrete blocks and fixing with 20x20x10 cm cement concrete blocks 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		M.S. 20 mm square bar 0.75 m @ 3.137 Kg/m		Qtl.	0.024	3814.37	91.54			
ii		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) 0.20x0.20x0.10 m = 0.004 cum								
		Rate as per item no CSR 10.11		Cum.	0.004	1683.63	6.73			
		Total - I					98.27			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 98.27					2.95			
		Add contractor's profit @ 10% i.e. on Rs. 101.22					10.12			
		Add Labour cess @ 1% i.e. on Rs. 111.34					1.11			
		Material cost for	1	Each			112.45			
		Material cost for	1	Each			112.45	112.45		112.45
II		Labour								
		Taking output	1	Each						
a		For fabrication								
i		Black smith (2nd class)		Each	0.100	190.00	19.00			
ii		Mazdoor		Each	0.100	136.69	13.67			
b		For dismantling old fort rest cutting holes and fixing new M.S. foot rests								
i		Mason 1st Class		Each	0.050	223.36	11.17			
ii		Black smith (2nd class)		Each	0.050	190.00	9.50			
iii		Mazdoor		Each	0.100	136.69	13.67			
		Total - II					67.01			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 67.01					2.01			
		Add contractor's profit @ 21.50% i.e. on Rs. 69.02					14.84			
		Add Labour cess @ 1% i.e. on Rs. 83.86					0.84			
							84.70			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Labour for	1	Each				84.70	84.70			84.70
		Cost for	1	Each					197.15			
		Add 10% for sub mountainous region										8.47
		Labour for	1	Each								93.17
		Cost for	1	Each								205.62

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.38		Fixing of heavy cast iron automatic syphon with fittings including carriage from the stores of the Engineer-in-Charge to site of work, loading and unloading, fixing and setting the same to correct lines and levels in 1:2 cement sand mortar in automatic flushing tanks if required.			To be deleted					
29.39		Erection of cast iron ventilating column 150mm 225mm and 300mm internal Diameter including bases columns, caps, cowls or wire domes, etc. complete including carriage from the stores of the Engineer-In-Charge of works, to sites of works, loading and unloading fixing and jointing and setting the same in position in 1:2 cement sand mortar over the foundation block in the works including the fixing and grouting of holding down bolts, nuts and washers the filling of the completed flanged joints with molten lead and finishing off to the requirements of the Engineer-In-Charge-			To be deleted					

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.40		Providing & erection of RCC ventilation column having minimum 200mm internal Diameter and a height of 11 ms above ground level including caps, cowls or wiredomes, etc. complete fixing and setting the same in position and embedding in foundation block including cost of foundation complete.								
a		11 m. Height								
		Unit :-	1	Each						
		Taking Output :-	1	Nos.						
I		Material								
i		R.C.C. ventilator column		Each	1.000	21050.00	21050.00			
ii		Cement concrete M-25 (Rate as per CSR 10.14) (((1.600*1.600)+(1.200*1.200))/2)*(1.500) = 3.000 Cum. D/d (3.142/4)*(0.650)*(0.650)*1.250 = 0.415 Cum D/d 150mm dia pipe (3.142/4)*(0.150)*(0.150)*0.200 = 0.004 Cum. Net = 2.581 Cum.		Cum.	2.581	2485.08	6413.99			
iii		Cement concrete 1:2:4 (Rate as per CSR 10.11) 3.142*0.550*0.100*1.250 = 0.216 Cum (3.142/4)*(0.150)*(0.150)*0.150 = 0.003 Cum. Net = 0.219 Cum.		Cum.	0.219	1683.63	368.71			
		Total - I					27832.70			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 27832.7					834.98			
		Add contractor's profit @ 10% i.e. on Rs. 28667.68					2866.77			
		Add Labour cess @ 1% i.e. on Rs. 31534.45					315.34			
		Material cost for	1.00	Nos.			31849.79			
		Material cost for	1.00	Each			31849.79	31849.79		31849.79
II		Labour								
		Taking output	1	Nos						
i		Excavation (Rate as per CSR item 6.6) 1.600*1.600*1.500 = 3.84 Cum.		Cum.	3.840	52.96	203.37			
ii		Shuttering (Rate as per CSR item 9.10) Outer side 4*1.513*1.600 = 9.683 Sqm. Inner side 4*1.200*1.250 = 6.000 Sqm. Total = 15.683 Sqm.		Sqm.	15.683	217.38	3409.17			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
ii		Cement concrete M-25 (Rate as per CSR 10.14) (((1.600*1.600)+(1.200*1.200))/2)*(1.500) = 3.000 Cum. D/d (3.142/4)*(0.650)*(0.650)*1.250 = 0.415 Cum D/d 150mm dia pipe (3.142/4)*(0.150)*(0.150)*0.200 = 0.004 Cum. Net =2.581 Cum.	Cum.	2.581	484.13	1249.54				
iii		Cement concrete 1:2:4 (Rate as per CSR 10.11) 3.142*0.550*0.100*1.250 = 0.216 Cum (3.142/4)*(0.150)*(0.150)*0.150 = 0.003 Cum. Net = 0.219 Cum.	Cum.	0.219	261.25	57.21				
		Labour for erection of Ventilator Shaft								
(i)		Mason Class I	Each	4.000	223.36	893.44				
(ii)		Mazdoor (Skilled - Upper)	Each	20.000	164.69	3293.80				
		Total - II				9106.53				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 9106.53				273.20				
		Add contractor's profit @ 21.50% i.e. on Rs. 9379.73				2016.64				
		Add Labour cess @ 1% i.e. on Rs. 11396.37				113.96				
		Labour for 1 Nos				11510.33				
		Labour for 1 Each				11510.33	11510.33			11510.33
		Cost for 1 Each					43360.12			
		Add 10% for sub mountainous region								1151.03
		Labour for 1 Each								12661.36
		Cost for 1 Each								44511.15

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		9.10 m. Height								
		Unit :-	1	Each						
		Taking Output :-	1	Nos.						
I		Material								
i		R.C.C. ventilator column		Each	1.000	16840.00	16840.00			
		Cement concrete M-25 (Rate as per CSR 10.14) (((1.600*1.600)+(1.200*1.200))/2)*(1.500) = 3.000 Cum. D/d (3.142/4)*(0.650)*(0.650)*1.250 = 0.415 Cum D/d 150mm dia pipe (3.142/4)*(0.150)*(0.150)*0.200 = 0.004 Cum. Net =2.581 Cum.		Cum.	2.581	2485.08	6413.99			
		Cement concrete 1:2:4 (Rate as per CSR 10.11) 3.142*0.550*0.100*1.250 = 0.216 Cum (3.142/4)*(0.150)*(0.150)*0.150 = 0.003 Cum. Net = 0.219 Cum.		Cum.	0.219	1683.63	368.71			
		Total - I					23622.70			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 23622.7					708.68			
		Add contractor's profit @ 10% i.e. on Rs. 24331.38					2433.14			
		Add Labour cess @ 1% i.e. on Rs. 26764.52					267.65			
		Material cost for	1.00	Nos.			27032.17			
		Material cost for	1.00	Each			27032.17	27032.17		27032.17
II		Labour								
		Taking output	1	Nos						
(i)		Mason Class I		Each	4.000	223.36	893.44			
(ii)		Mazdoor (Skilled - Upper)		Each	20.000	164.69	3293.80			
		Cement concrete M-25 (Rate as per CSR 10.14) (((1.600*1.600)+(1.200*1.200))/2)*(1.500) = 3.000 Cum. D/d (3.142/4)*(0.650)*(0.650)*1.250 = 0.415 Cum D/d 150mm dia pipe (3.142/4)*(0.150)*(0.150)*0.200 = 0.004 Cum. Net =2.581 Cum.		Cum.	2.581	484.13	1249.54			
		Cement concrete 1:2:4 (Rate as per CSR 10.11) 3.142*0.550*0.100*1.250 = 0.216 Cum (3.142/4)*(0.150)*(0.150)*0.150 = 0.003 Cum. Net = 0.219 Cum.		Cum.	0.219	261.25	57.21			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Total - II						5493.99				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 5493.99						164.82				
		Add contractor's profit @ 21.50% i.e. on Rs. 5658.81						1216.64				
		Add Labour cess @ 1% i.e. on Rs. 6875.45						68.75				
		Labour for	1	Nos				6944.20				
		Labour for	1	Each				6944.20	6944.20			6944.20
		Cost for	1	Each					33976.37			
		Add 10% for sub mountainous region										694.42
		Labour for	1	Each								7638.62
		Cost for	1	Each								34670.79

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.41		Painting 2 coats excluding priming coat with ready mixed paint for metallic surface in all shades on new works.			To be deleted					
29.42		Painting one coat ready mixed paint for metallic surfaces in all shades on old work.			To be deleted					
29.43		Painting two coats with anti-corrosive bitumastic paint on new work to give an even shade.			To be deleted					
29.44		Painting two coats with anti-corrosive bitumastic paint on new work to give an even shade.			To be deleted					

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.45		Finishing RCC vent shafts minimum 200mm internal Diameter with exterior decorative cement based paints on new work two coats to give and even finish.								
a		11 m. Height R.C.C. ventilator shaft								
		Unit :-	1	Each						
		Taking output	1	Each						
I		Material:								
(i)		Snowcem paint (Rate as per CSR 15.74)		Sqm.	15.55	25.48	396.21			
		Mean external surface to be painted for vent shaft 22/7*450/1000*11 = 15.55 Sqm								
		Total - I					396.21			
		Material cost for	1	Each			396.21			
		Material cost for	1	Each			396.21	396.21		396.21
II		Labour:								
(i)		Snowcem paint (Rate as per CSR 15.74)		Sqm.	15.55	11.60	180.38			
		Add 50% for slow progress due to very hight scaffolding					90.19			
		Total - II					270.57			
		Labour for	1	Each			270.57	270.57		270.57
		Cost for	1	Each				666.78		
		Add 10% for sub mountainous region								27.06
		Labour for	1	Each						297.63
		Cost for	1	Each						693.84

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
b		9 m. Height R.C.C. ventilator shaft										
			Unit :-	1	Each							
			Taking output	1	Each							
I		Material:										
(i)		Snowcem paint (Rate as per CSR 15.74)			Sqm.	12.73	25.48	324.36				
		Mean external surface to be painted for vent shaft 22/7*450/1000*9 = 12.73 Sqm										
		Total - I						324.36				
			Material cost for	1	Each			324.36				
			Material cost for	1	Each			324.36	324.36			324.36
II		Labour:										
(i)		Snowcem paint (Rate as per CSR 15.74)			Sqm.	12.73	11.60	147.67				
		Add 50% for slow progress due to very hight scaffolding						73.84				
		Total - II						221.51				
			Labour for	1	Each			221.51	221.51			221.51
			Cost for	1	Each				545.87			
		Add 10% for sub mountainous region										22.15
			Labour for	1	Each							243.66
			Cost for	1	Each							568.02

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.46		Providing and Finishing RCC vent shafts minimum 200mm internal Diameter with exterior decorative cement based paints on old work one coat to give an even shade.								
a		11 m. Height R.C.C. ventilator shaft								
		Unit :-	1	Each						
		Taking output	1	Each						
I		Material:								
(i)		Snowcem paint (Rate as per CSR 15.75)		Sqm.	15.55	7.96	123.78			
		Mean external surface to be painted for vent shaft 22/7*450/1000*11 = 15.55 Sqm								
		Total - I					123.78			
		Material cost for	1	Each			123.78			
		Material cost for	1	Each			123.78	123.78		123.78
II		Labour:								
(i)		Snowcem paint (Rate as per CSR 15.75)		Sqm.	15.55	7.73	120.20			
		Add 50% for slow progress due to very high scaffolding					60.10			
		Total - II					180.30			
		Labour for	1	Each			180.30	180.30		180.30
		Cost for	1	Each				304.08		
		Add 10% for sub mountainous region								18.03
		Labour for	1	Each						198.33
		Cost for	1	Each						322.11

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
b		9 m. Height R.C.C. ventilator shaft										
			Unit :-	1	Each							
			Taking output	1	Each							
I		Material:										
(i)		Snowcem paint (Rate as per CSR 15.75)			Sqm.	12.73	7.96	101.33				
		Mean external surface to be painted for vent shaft 22/7*450/1000*9 = 12.73 Sqm										
		Total - I						101.33				
			Material cost for	1	Each			101.33				
			Material cost for	1	Each			101.33	101.33			101.33
II		Labour:										
(i)		Snowcem paint (Rate as per CSR 15.75)			Sqm.	12.73	7.73	98.40				
		Add 50% for slow progress due to very hight scaffolding						49.20				
		Total - II						147.60				
			Labour for	1	Each			147.60	147.60			147.60
			Cost for	1	Each				248.93			
		Add 10% for sub mountainous region										14.76
			Labour for	1	Each							162.36
			Cost for	1	Each							263.69

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.47		Construction of standard new Egg shaped Type sewers to contract drawing upto 4 metres below G.L. including dressing of beds and sides of tranches to exact profiles, grades and alignment; lime concrete in beds and sides (as per specified in item 10.3)/with Cement concrete 1:8:16 with 32mm gauge brick ballast (10.45) with 1:3 cement sand collar joint not less than 12.50mm thick on sides, fine lime concrete / cement concrete 1:8:16 with 20mm gauge brick ballast in haunches (as per specified in item No. 10.4,10.44) 1:1½:3 moulded Cement concrete invert accurately finished with neat Cement rendering face; specially hand moulded first class radiated brick work laid in 1:3 cement sand mortar in the sides and under arch rings of the sewer and specially hand moulded first class radiated brick work laid in 1:4 Cement sand mortar in the outer archrings of the sewers laid over 1:3 cement sand collar joint not less than 12.50mm in			Deleted and Replaced with New					
29.48		Construction of standard New Egg Shaped Type Sewers to contract drawings as described in item No. 29.47 above but with Cement Concrete 1:8:16 with Stone Ballast of 32mm Gauge in Beds and Sides and 20mm Gauge in Haunches in place of lime concrete in beds and sides and fine lime concrete in haunches in plains and sub-mountainous area :-			Deleted and Replaced with New					
29.49		Extra over and above the rates for item Nos. 29.47 and 29.48 above for every additional 2 metres depth or part thereof for depths beyond 4 metres below ground level. Finished inside dimensions of egg-shaped sewer being:-			Deleted and Replaced with New					

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11

29.47 Construction of pressure type Circular sewer in RCC / Brick complete as per drawing and design(For Low Sub - Soil water conditions) Type I

a **760mm i/d P.T. sewer**

		Unit :-	1	Rmt																
		Taking Output :-	30.48	Rmt																
I		Material																		
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57/12*30/12 = 11.875 Cft (-) 1*22/7*(48/12)2*1/4*1/2 = 6.286 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 11.875 - 8.009 = 3.866 Cft Or 0.11 Cum.			Cum.	11.300	1683.63	19025.02												
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	9.990	2445.08	24426.35												
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44*4/12*12 = 3.841 Cft. Or 0.109 Cum.			Cum.	12.000	2485.08	29820.96												
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*52.50*0.50*9/24*12 = 2.578 Cft. Or 0.073 Cum			Cum.	7.400	1920.54	14212.00												
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	7.420	49.22	365.21												
vi		Steel (Rate as per CSR item 18.18)			Qtl.	3.4990	4312.78	15090.42												
		Total - I						102939.96												
		Sundries @ 3% i.e. on Rs. 102939.96						3088.20												
		Add contractor's profit @ 10% i.e. on Rs. 106028.16						10602.82												
		Add Labour cess @ 1% i.e. on Rs. 116630.98						1166.31												
		Material cost for	30.48	Rmt				117797.29												
		Material cost for	1.00	Rmt				3864.74	3864.74											3864.74
II		Labour																		
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57/12*30/12 = 11.875 Cft (-) 1*22/7*(48/12)2*1/4*1/2 = 6.286 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 11.875 - 8.009 = 3.866 Cft Or 0.11 Cum.			Cum.	11.300	261.25	2952.13												

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	72.972	65.00	4743.17				
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	9.990	425.47	4250.45				
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44*4/12*12 = 3.841 Cft. Or 0.109 Cum.			Cum.	12.000	734.64	8815.68				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*52.50*0.50*9/24*12 = 2.578 Cft. Or 0.073 Cum			Cum.	7.400	425.47	3148.48				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41) 1*22/7*35.50/12 = 7.988 Sft. Or 0.742 Sqm.			Sqm.	74.200	44.52	3303.38				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	3.4990	289.03	1011.32				
		Total - II						28224.61				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 28224.61						846.74				
		Add contractor's profit @ 21.50% i.e. on Rs. 29071.35						6250.34				
		Add Labour cess @ 1% i.e. on Rs. 35321.69						353.22				
		Labour for	30.48	Rmt				35674.91				
		Labour for	1.00	Rmt				1170.44	1170.44			1170.44
		Cost for	1.00	Rmt					5035.18			
		Add 10% for sub mountainous region										117.04
		Labour for	1	Rmt								1287.48
		Cost for	1	Rmt								5152.22

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b 840mm i/d P.T. sewer										
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*60/12*31.50/12 = 13.125 Cft (-) 1*22/7*(51/12)2*1/4*1/2 = 7.095 Cft (-) Triangular Portion 1*2*16.75*16.75*0.50/12*12 = 1.948 Cft Net = 13.125 - 9.043 = 4.082 Cft Or 0.116 Cum.			Cum.	11.600	1683.63	19530.11		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*38.50*9/12*24 = 3.781 Cft. Or 0.107 Cum.			Cum.	10.200	2445.08	24939.82		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*47*4/12*12 = 4.103 Cft. Or 0.116 Cum.			Cum.	12.800	2485.08	31809.02		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*55.50*0.50*9/24*12 = 2.725 Cft. Or 0.077 Cum			Cum.	7.800	1920.54	14980.21		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41) 1*22/7*33.50/12 = 8.774 Sft. Or 0.815 Sqm.			Sqm.	74.200	49.22	3652.12		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	3.6160	4312.78	15595.01		
		Total - I						110506.29		
		Sundries @ 3% i.e. on Rs. 110506.29						3315.19		
		Add contractor's profit @ 10% i.e. on Rs. 113821.48						11382.15		
		Add Labour cess @ 1% i.e. on Rs. 125203.63						1252.04		
		Material cost for	30.48	Rmt				126455.67		
		Material cost for	1.00	Rmt				4148.81	4148.81	4148.81
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*60/12*31.50/12 = 13.125 Cft (-) 1*22/7*(51/12)2*1/4*1/2 = 7.095 Cft (-) Triangular Portion 1*2*16.75*16.75*0.50/12*12 = 1.948 Cft Net = 13.125 - 9.043 = 4.082 Cft Or 0.116 Cum.			Cum.	11.600	261.25	3030.50		
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	80.536	65.00	5234.84		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*38.50*9/12*24 = 3.781 Cft. Or 0.107 Cum.			Cum.	10.200	425.47	4339.79				
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*47*4/12*12 = 4.103 Cft. Or 0.116 Cum.			Cum.	12.800	734.64	9403.39				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*55.50*0.50*9/24*12 = 2.725 Cft. Or 0.077 Cum			Cum.	7.800	425.47	3318.67				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	74.200	44.52	3303.38				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	3.6160	289.03	1045.13				
		Total - II						29675.70				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 29675.7						890.27				
		Add contractor's profit @ 21.50% i.e. on Rs. 30565.97						6571.68				
		Add Labour cess @ 1% i.e. on Rs. 37137.65						371.38				
		Labour for 30.48 Rmt						37509.03				
		Labour for 1.00 Rmt						1230.61	1230.61			1230.61
		Cost for 1.00 Rmt							5379.42			
		Add 10% for sub mountainous region										123.06
		Labour for 1 Rmt										1353.67
		Cost for 1 Rmt										5502.48

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c 915mm i/d P.T. sewer										
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*63/12*33/12 = 14.438 Cft (-) 1*22/7*(54/12)2*1/4*1/2 = 7.953 Cft (-) Triangular Portion 1*2*17.75*17.75*0.50/12*12 = 2.187 Cft Net = 14.438 - 10.140 = 4.298 Cft Or 0.122 Cum.								
				Cum.	12.000	1683.63	20203.56			
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*41.50*9/12*24 = 4.074 Cft. Or 0.115 Cum.								
				Cum.	11.500	2445.08	28118.42			
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*50*4/12*12 = 4.363 Cft. Or 0.123 Cum.								
				Cum.	12.100	2485.08	30069.47			
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*58.50*0.50*9/24*12 = 2.871 Cft. Or 0.081 Cum								
				Cum.	8.200	1920.54	15748.43			
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41) 1*22/7*36.50/12 = 9.560 Sft. Or 0.888 Sqm.								
				Sqm.	88.800	49.22	4370.74			
vi		Steel (Rate as per CSR item 18.18)								
				Qtl.	3.8700	4312.78	16690.46			
		Total - I					115201.08			
		Sundries @ 3% i.e. on Rs. 115201.08					3456.03			
		Add contractor's profit @ 10% i.e. on Rs. 118657.11					11865.71			
		Add Labour cess @ 1% i.e. on Rs. 130522.82					1305.23			
		Material cost for	30.48	Rmt			131828.05			
		Material cost for	1.00	Rmt			4325.07	4325.07		4325.07
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*63/12*33/12 = 14.438 Cft (-) 1*22/7*(54/12)2*1/4*1/2 = 7.953 Cft (-) Triangular Portion 1*2*17.75*17.75*0.50/12*12 = 2.187 Cft Net = 14.438 - 10.140 = 4.298 Cft Or 0.122 Cum.								
				Cum.	12.000	261.25	3135.00			
ii		Centring & Shuttering(as per sub analysis attached)								
				Sqm.	87.566	65.00	5691.80			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*41.50*9/12*24 = 4.074 Cft. Or 0.115 Cum.			Cum.	11.500	425.47	4892.91				
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*50*4/12*12 = 4.363 Cft. Or 0.123 Cum.			Cum.	12.100	734.64	8889.14				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*58.50*0.50*9/24*12 = 2.871 Cft. Or 0.081 Cum			Cum.	8.200	425.47	3488.85				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	88.800	44.52	3953.38				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	3.8700	289.03	1118.55				
		Total - II						31169.63				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 31169.63						935.09				
		Add contractor's profit @ 21.50% i.e. on Rs. 32104.72						6902.51				
		Add Labour cess @ 1% i.e. on Rs. 39007.23						390.07				
		Labour for 30.48 Rmt						39397.30				
		Labour for 1.00 Rmt						1292.56	1292.56			1292.56
		Cost for 1.00 Rmt							5617.63			
		Add 10% for sub mountainous region										129.26
		Labour for 1 Rmt										1421.82
		Cost for 1 Rmt										5746.89

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d		990mm i/d P.T. sewer								
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*66/12*34.50/12 = 15.813 Cft (-) 1*22/7*(57/12)2*1/4*1/2 = 8.863 Cft (-) Triangular Portion 1*2*18.50*18.50*0.50/12*12 = 2.376 Cft Net = 15.813 - 11.239 = 4.574 Cft Or 0.130 Cum.			Cum.	13.000	1683.63	21887.19		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*44.50*9/12*24 = 4.370 Cft. Or 0.123 Cum.			Cum.	12.400	2445.08	30318.99		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*53*4/12*12 = 4.626 Cft. Or 0.130 Cum.			Cum.	13.000	2485.08	32306.04		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*61.50*0.50*9/24*12 = 3.020 Cft. Or 0.085 Cum			Cum.	8.600	1920.54	16516.64		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41) 1*22/7*39.50/12 = 10.345 Sft. Or 0.961 Sqm.			Sqm.	96.100	49.22	4730.04		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	4.1230	4312.78	17781.59		
		Total - I					123540.49			
		Sundries @ 3% i.e. on Rs. 123540.49					3706.21			
		Add contractor's profit @ 10% i.e. on Rs. 127246.7					12724.67			
		Add Labour cess @ 1% i.e. on Rs. 139971.37					1399.71			
		Material cost for	30.48	Rmt			141371.08			
		Material cost for	1.00	Rmt			4638.16	4638.16		4638.16
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*66/12*34.50/12 = 15.813 Cft (-) 1*22/7*(57/12)2*1/4*1/2 = 8.863 Cft (-) Triangular Portion 1*2*18.50*18.50*0.50/12*12 = 2.376 Cft Net = 15.813 - 11.239 = 4.574 Cft Or 0.130 Cum.			Cum.	13.000	261.25	3396.25		
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	94.863	65.00	6166.12		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*44.50*9/12*24 = 4.370 Cft. Or 0.123 Cum.			Cum.	12.400	425.47	5275.83				
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*53*4/12*12 = 4.626 Cft. Or 0.130 Cum.			Cum.	13.000	734.64	9550.32				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*61.50*0.50*9/24*12 = 3.020 Cft. Or 0.085 Cum			Cum.	8.600	425.47	3659.04				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	96.100	44.52	4278.37				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	4.1230	289.03	1191.67				
		Total - II						33517.60				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 33517.6						1005.53				
		Add contractor's profit @ 21.50% i.e. on Rs. 34523.13						7422.47				
		Add Labour cess @ 1% i.e. on Rs. 41945.6						419.46				
		Labour for 30.48 Rmt						42365.06				
		Labour for 1.00 Rmt						1389.93	1389.93			1389.93
		Cost for 1.00 Rmt							6028.09			
		Add 10% for sub mountainous region										138.99
		Labour for 1 Rmt										1528.92
		Cost for 1 Rmt										6167.08

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
e 1065mm i/d P.T. sewer										
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*69/12*36/12 = 17.25 Cft (-) 1*22/7*(60/12)2*1/4*1/2 = 9.821 Cft (-) Triangular Portion 1*2*19.25*19.25*0.50/12*12 = 2.573 Cft Net = 17.25 - 12.394 = 4.856 Cft Or 0.138 Cum.			Cum.	13.800	1683.63	23234.09		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*47.50*9/12*24 = 4.665 Cft. Or 0.132 Cum.			Cum.	13.200	2445.08	32275.06		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*56*4/12*12 = 4.888 Cft. Or 0.138 Cum.			Cum.	13.800	2485.08	34294.10		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*64.50*0.50*9/24*12 = 3.167 Cft. Or 0.089 Cum			Cum.	8.900	1920.54	17092.81		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	103.400	49.22	5089.35		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	4.3770	4312.78	18877.04		
		Total - I						130862.45		
		Sundries @ 3% i.e. on Rs. 130862.45						3925.87		
		Add contractor's profit @ 10% i.e. on Rs. 134788.32						13478.83		
		Add Labour cess @ 1% i.e. on Rs. 148267.15						1482.67		
		Material cost for	30.48	Rmt				149749.82		
		Material cost for	1.00	Rmt				4913.05	4913.05	4913.05
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*69/12*36/12 = 17.25 Cft (-) 1*22/7*(60/12)2*1/4*1/2 = 9.821 Cft (-) Triangular Portion 1*2*19.25*19.25*0.50/12*12 = 2.573 Cft Net = 17.25 - 12.394 = 4.856 Cft Or 0.138 Cum.			Cum.	13.800	261.25	3605.25		
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	102.160	65.00	6640.43		
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*47.50*9/12*24 = 4.665 Cft. Or 0.132 Cum.			Cum.	13.200	425.47	5616.20		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*56*4/12*12 = 4.888 Cft. Or 0.138 Cum.			Cum.	13.800	734.64	10138.03				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*64.50*0.50*9/24*12 = 3.167 Cft. Or 0.089 Cum			Cum.	8.900	425.47	3786.68				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	103.400	44.52	4603.37				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	4.3770	289.03	1265.08				
		Total - II						35655.04				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 35655.04						1069.65				
		Add contractor's profit @ 21.50% i.e. on Rs. 36724.69						7895.81				
		Add Labour cess @ 1% i.e. on Rs. 44620.5						446.21				
		Labour for 30.48 Rmt						45066.71				
		Labour for 1.00 Rmt						1478.57	1478.57			1478.57
		Cost for 1.00 Rmt							6391.62			
		Add 10% for sub mountainous region										147.86
		Labour for 1 Rmt										1626.43
		Cost for 1 Rmt										6539.48

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
f		1145mm i/d P.T. sewer								
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*72/12*37.50/12 = 18.750 Cft (-) 1*22/7*(63/12)2*1/4*1/2 = 10.828 Cft (-) Triangular Portion 1*2*20.50*20.50*0.50/12*12 = 2.918 Cft Net = 18.75 - 13.746 = 5.004 Cft Or 0.142 Cum.			Cum.	14.200	1683.63	23907.55		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*50.50*9/12*24 = 4.959 Cft. Or 0.140 Cum.			Cum.	14.000	2445.08	34231.12		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*59*4/12*12 = 5.150 Cft. Or 0.145 Cum.			Cum.	14.500	2485.08	36033.66		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*67.50*0.50*9/24*12 = 3.314 Cft. Or 0.093 Cum			Cum.	9.300	1920.54	17861.02		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	110.700	49.22	5448.65		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	5.1740	4312.78	22314.32		
		Total - I					139796.32			
		Sundries @ 3% i.e. on Rs. 139796.32					4193.89			
		Add contractor's profit @ 10% i.e. on Rs. 143990.21					14399.02			
		Add Labour cess @ 1% i.e. on Rs. 158389.23					1583.89			
		Material cost for	30.48	Rmt			159973.12			
		Material cost for	1.00	Rmt			5248.46	5248.46		5248.46
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*72/12*37.50/12 = 18.750 Cft (-) 1*22/7*(63/12)2*1/4*1/2 = 10.828 Cft (-) Triangular Portion 1*2*20.50*20.50*0.50/12*12 = 2.918 Cft Net = 18.75 - 13.746 = 5.004 Cft Or 0.142 Cum.			Cum.	14.200	261.25	3709.75		
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	109.458	65.00	7114.75		
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*50.50*9/12*24 = 4.959 Cft. Or 0.140 Cum.			Cum.	14.000	425.47	5956.58		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*59*4/12*12 = 5.150 Cft. Or 0.145 Cum.			Cum.	14.500	734.64	10652.28				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*67.50*0.50*9/24*12 = 3.314 Cft. Or 0.093 Cum			Cum.	9.300	425.47	3956.87				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	110.700	44.52	4928.36				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	5.1740	289.03	1495.44				
		Total - II						37814.03				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 37814.03						1134.42				
		Add contractor's profit @ 21.50% i.e. on Rs. 38948.45						8373.92				
		Add Labour cess @ 1% i.e. on Rs. 47322.37						473.22				
		Labour for 30.48 Rmt	30.48	Rmt				47795.59				
		Labour for 1.00 Rmt	1.00	Rmt				1568.10	1568.10			1568.10
		Cost for 1.00 Rmt	1.00	Rmt					6816.56			
		Add 10% for sub mountainous region										156.81
		Labour for 1 Rmt	1	Rmt								1724.91
		Cost for 1 Rmt	1	Rmt								6973.37

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
g 1220mm i/d P.T. sewer										
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*75.00/12*39.00/12 = 20.312 Cft (-) 1*22/7*(66/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*21.25*21.25*0.50/12*12 = 3.135 Cft Net = 20.312 - 15.015 = 5.297 Cft Or 0.149 Cum.								
				Cum.	14.900	1683.63	25086.09			
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*53.50*9/12*24 = 5.253 Cft. Or 0.148 Cum.								
				Cum.	14.800	2445.08	36187.18			
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*62*4/12*12 = 5.411 Cft. Or 0.153 Cum.								
				Cum.	15.300	2485.08	38021.72			
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*70.50*0.50*9/24*12 = 3.461 Cft. Or 0.097 Cum								
				Cum.	9.700	1920.54	18629.24			
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)								
				Sqm.	118.000	49.22	5807.96			
vi		Steel (Rate as per CSR item 18.18)								
				Qtl.	5.4410	4312.78	23465.84			
		Total - I					147198.03			
		Sundries @ 3% i.e. on Rs. 147198.03					4415.94			
		Add contractor's profit @ 10% i.e. on Rs. 151613.97					15161.40			
		Add Labour cess @ 1% i.e. on Rs. 166775.37					1667.75			
		Material cost for	30.48	Rmt			168443.12			
		Material cost for	1.00	Rmt			5526.35	5526.35		5526.35
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*75.00/12*39.00/12 = 20.312 Cft (-) 1*22/7*(66/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*21.25*21.25*0.50/12*12 = 3.135 Cft Net = 20.312 - 15.015 = 5.297 Cft Or 0.149 Cum.								
				Cum.	14.900	261.25	3892.63			
ii		Centring & Shuttering(as per sub analysis attached)								
				Sqm.	116.755	65.00	7589.06			
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*53.50*9/12*24 = 5.253 Cft. Or 0.148 Cum.								
				Cum.	14.800	425.47	6296.96			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*62*4/12*12 = 5.411 Cft. Or 0.153 Cum.			Cum.	15.300	734.64	11239.99				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*70.50*0.50*9/24*12 = 3.461 Cft. Or 0.097 Cum			Cum.	9.700	425.47	4127.06				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	118.000	44.52	5253.36				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	5.4410	289.03	1572.61				
		Total - II						39971.67				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 39971.67						1199.15				
		Add contractor's profit @ 21.50% i.e. on Rs. 41170.82						8851.73				
		Add Labour cess @ 1% i.e. on Rs. 50022.55						500.23				
		Labour for 30.48 Rmt	30.48	Rmt				50522.78				
		Labour for 1.00 Rmt	1.00	Rmt				1657.57	1657.57			1657.57
		Cost for 1.00 Rmt	1.00	Rmt					7183.92			
		Add 10% for sub mountainous region										165.76
		Labour for 1 Rmt	1	Rmt								1823.33
		Cost for 1 Rmt	1	Rmt								7349.68

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
h 1295mm i/d P.T. sewer										
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*78.00/12*40.50/12 = 21.937 Cft (-) 1*22/7*(69/12)2*1/4*1/2 = 12.988 Cft (-) Triangular Portion 1*2*22.50*22.50*0.50/12*12 = 3.515 Cft Net = 21.937 - 16.503 = 5.434 Cft Or 0.153 Cum.			Cum.	15.300	1683.63	25759.54		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*56.50*9/12*24 = 5.549 Cft. Or 0.157 Cum.			Cum.	15.700	2445.08	38387.76		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*65*4.375/12*12 = 5.674 Cft. Or 0.160 Cum.			Cum.	16.000	2485.08	39761.28		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*73.50*0.50*9/24*12 = 3.609 Cft. Or 0.102 Cum			Cum.	10.200	1920.54	19589.51		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	125.300	49.22	6167.27		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	5.7080	4312.78	24617.35		
		Total - I						154282.71		
		Sundries @ 3% i.e. on Rs. 154282.71						4628.48		
		Add contractor's profit @ 10% i.e. on Rs. 158911.19						15891.12		
		Add Labour cess @ 1% i.e. on Rs. 174802.31						1748.02		
		Material cost for	30.48	Rmt				176550.33		
		Material cost for	1.00	Rmt				5792.33	5792.33	5792.33
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*78.00/12*40.50/12 = 21.937 Cft (-) 1*22/7*(69/12)2*1/4*1/2 = 12.988 Cft (-) Triangular Portion 1*2*22.50*22.50*0.50/12*12 = 3.515 Cft Net = 21.937 - 16.503 = 5.434 Cft Or 0.153 Cum.			Cum.	15.300	261.25	3997.13		
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	124.052	65.00	8063.38		
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*56.50*9/12*24 = 5.549 Cft. Or 0.157 Cum.			Cum.	15.700	425.47	6679.88		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*65*4.375/12*12 = 5.674 Cft. Or 0.160 Cum.			Cum.	16.000	734.64	11754.24				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*73.50*0.50*9/24*12 = 3.609 Cft. Or 0.102 Cum			Cum.	10.200	425.47	4339.79				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	125.300	44.52	5578.36				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	5.7080	289.03	1649.78				
		Total - II						42062.56				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 42062.56						1261.88				
		Add contractor's profit @ 21.50% i.e. on Rs. 43324.44						9314.75				
		Add Labour cess @ 1% i.e. on Rs. 52639.19						526.39				
		Labour for 30.48 Rmt	30.48	Rmt				53165.58				
		Labour for 1.00 Rmt	1.00	Rmt				1744.28	1744.28			1744.28
		Cost for 1.00 Rmt	1.00	Rmt					7536.61			
		Add 10% for sub mountainous region										174.43
		Labour for 1 Rmt	1	Rmt								1918.71
		Cost for 1 Rmt	1	Rmt								7711.04

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i		1370mm i/d P.T. sewer								
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*81.00/12*42.00/12 = 23.625 Cft (-) 1*22/7*(72/12)2*1/4*1/2 = 14.142 Cft (-) Triangular Portion 1*2*23.50*23.50*0.50/12*12 = 3.835 Cft Net = 23.625 - 17.977 = 5.648 Cft Or 0.159 Cum.			Cum.	15.900	1683.63	26769.72		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*59.50*9/12*24 = 5.843 Cft. Or 0.165 Cum.			Cum.	16.500	2445.08	40343.82		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*68.00*4/12*12 = 5.936 Cft. Or 0.169 Cum.			Cum.	16.900	2485.08	41997.85		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*76.50*0.50*9/24*12 = 3.756 Cft. Or 0.106 Cum			Cum.	10.600	1920.54	20357.72		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	132.600	49.22	6526.57		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	5.9750	4312.78	25768.86		
		Total - I					161764.54			
		Sundries @ 3% i.e. on Rs. 161764.54					4852.94			
		Add contractor's profit @ 10% i.e. on Rs. 166617.48					16661.75			
		Add Labour cess @ 1% i.e. on Rs. 183279.23					1832.79			
		Material cost for	30.48	Rmt			185112.02			
		Material cost for	1.00	Rmt			6073.23	6073.23		6073.23
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*81.00/12*42.00/12 = 23.625 Cft (-) 1*22/7*(72/12)2*1/4*1/2 = 14.142 Cft (-) Triangular Portion 1*2*23.50*23.50*0.50/12*12 = 3.835 Cft Net = 23.625 - 17.977 = 5.648 Cft Or 0.159 Cum.			Cum.	15.900	261.25	4153.88		
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	131.349	65.00	8537.70		
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*59.50*9/12*24 = 5.843 Cft. Or 0.165 Cum.			Cum.	16.500	425.47	7020.26		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*68.00*4/12*12 = 5.936 Cft. Or 0.169 Cum.			Cum.	16.900	734.64	12415.42				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*76.50*0.50*9/24*12 = 3.756 Cft. Or 0.106 Cum			Cum.	10.600	425.47	4509.98				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	132.600	44.52	5903.35				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	5.9750	289.03	1726.95				
		Total - II						44267.54				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 44267.54						1328.03				
		Add contractor's profit @ 21.50% i.e. on Rs. 45595.57						9803.05				
		Add Labour cess @ 1% i.e. on Rs. 55398.62						553.99				
		Labour for 30.48 Rmt	30.48	Rmt				55952.61				
		Labour for 1.00 Rmt	1.00	Rmt				1835.72	1835.72			1835.72
		Cost for 1.00 Rmt	1.00	Rmt					7908.95			
		Add 10% for sub mountainous region										183.57
		Labour for 1 Rmt	1	Rmt								2019.29
		Cost for 1 Rmt	1	Rmt								8092.52

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
j		1450mm i/d P.T. sewer								
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*84.00/12*43.50/12 = 25.375 Cft (-) 1*22/7*(75/12)2*1/4*1/2 = 15.345 Cft (-) Triangular Portion 1*2*24.25*24.25*0.50/12*12 = 4.125 Cft Net = 25.375 - 19.470 = 5.905 Cft Or 0.167 Cum.			Cum.	16.700	1683.63	28116.62		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*62.50*9/12*24 = 6.138 Cft. Or 0.173 Cum.			Cum.	17.300	2445.08	42299.88		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*71*4/12*12 = 6.198 Cft. Or 0.175 Cum.			Cum.	17.500	2485.08	43488.90		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*79.50*0.50*9/24*12 = 3.904 Cft. Or 0.110 Cum			Cum.	11.000	1920.54	21125.94		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	139.900	49.22	6885.88		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	6.2430	4312.78	26924.69		
		Total - I						168841.91		
		Sundries @ 3% i.e. on Rs. 168841.91						5065.26		
		Add contractor's profit @ 10% i.e. on Rs. 173907.17						17390.72		
		Add Labour cess @ 1% i.e. on Rs. 191297.89						1912.98		
		Material cost for	30.48	Rmt				193210.87		
		Material cost for	1.00	Rmt				6338.94	6338.94	6338.94
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*84.00/12*43.50/12 = 25.375 Cft (-) 1*22/7*(75/12)2*1/4*1/2 = 15.345 Cft (-) Triangular Portion 1*2*24.25*24.25*0.50/12*12 = 4.125 Cft Net = 25.375 - 19.470 = 5.905 Cft Or 0.167 Cum.			Cum.	16.700	261.25	4362.88		
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	138.646	65.00	9012.01		
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*62.50*9/12*24 = 6.138 Cft. Or 0.173 Cum.			Cum.	17.300	425.47	7360.63		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*71*4/12*12 = 6.198 Cft. Or 0.175 Cum.			Cum.	17.500	734.64	12856.20				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*79.50*0.50*9/24*12 = 3.904 Cft. Or 0.110 Cum			Cum.	11.000	425.47	4680.17				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	139.900	44.52	6228.35				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	6.2430	289.03	1804.41				
		Total - II						46304.65				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 46304.65						1389.14				
		Add contractor's profit @ 21.50% i.e. on Rs. 47693.79						10254.16				
		Add Labour cess @ 1% i.e. on Rs. 57947.95						579.48				
		Labour for 30.48 Rmt	30.48	Rmt				58527.43				
		Labour for 1.00 Rmt	1.00	Rmt				1920.19	1920.19			1920.19
		Cost for 1.00 Rmt	1.00	Rmt					8259.13			
		Add 10% for sub mountainous region										192.02
		Labour for 1 Rmt	1	Rmt								2112.21
		Cost for 1 Rmt	1	Rmt								8451.15

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
k		1525mm i/d P.T. sewer								
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*87.00/12*45.00/12 = 27.188 Cft (-) 1*22/7*(78/12)2*1/4*1/2 = 16.598 Cft (-) Triangular Portion 1*2*25.25*25.25*0.50/12*12 = 4.428 Cft Net = 27.188 - 21.026 = 6.160 Cft Or 0.174 Cum.			Cum.	17.400	1683.63	29295.16		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*65.50*9/12*24 = 6.433 Cft. Or 0.182 Cum.			Cum.	18.200	2445.08	44500.46		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*74*4/12*12 = 6.460 Cft. Or 0.182 Cum.			Cum.	18.200	2485.08	45228.46		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*82.50*0.50*9/24*12 = 4.051 Cft. Or 0.114 Cum			Cum.	11.400	1920.54	21894.16		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	147.200	49.22	7245.18		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	6.5120	4312.78	28084.82		
		Total - I						176248.24		
		Sundries @ 3% i.e. on Rs. 176248.24						5287.45		
		Add contractor's profit @ 10% i.e. on Rs. 181535.69						18153.57		
		Add Labour cess @ 1% i.e. on Rs. 199689.26						1996.89		
		Material cost for	30.48	Rmt				201686.15		
		Material cost for	1.00	Rmt				6617.00	6617.00	6617.00
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*87.00/12*45.00/12 = 27.188 Cft (-) 1*22/7*(78/12)2*1/4*1/2 = 16.598 Cft (-) Triangular Portion 1*2*25.25*25.25*0.50/12*12 = 4.428 Cft Net = 27.188 - 21.026 = 6.160 Cft Or 0.174 Cum.			Cum.	17.400	261.25	4545.75		
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	145.944	65.00	9486.33		
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*65.50*9/12*24 = 6.433 Cft. Or 0.182 Cum.			Cum.	18.200	425.47	7743.55		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*74*4/12*12 = 6.460 Cft. Or 0.182 Cum.			Cum.	18.200	734.64	13370.45				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*82.50*0.50*9/24*12 = 4.051 Cft. Or 0.114 Cum			Cum.	11.400	425.47	4850.36				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	147.200	44.52	6553.34				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	6.5120	289.03	1882.16				
		Total - II						48431.94				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 48431.94						1452.96				
		Add contractor's profit @ 21.50% i.e. on Rs. 49884.9						10725.25				
		Add Labour cess @ 1% i.e. on Rs. 60610.15						606.10				
		Labour for 30.48 Rmt	30.48	Rmt				61216.25				
		Labour for 1.00 Rmt	1.00	Rmt				2008.41	2008.41			2008.41
		Cost for 1.00 Rmt	1.00	Rmt					8625.41			
		Add 10% for sub mountainous region										200.84
		Labour for 1 Rmt	1	Rmt								2209.25
		Cost for 1 Rmt	1	Rmt								8826.25

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Construction of pressure type Circular sewer in RCC / Brick complete as per drawing and design(Under Medium Sub - Soil water conditions) Type II								
29.48		760mm i/d P.T. sewer								
a										
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	11.300	1683.63	19025.02		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	9.990	2445.08	24426.35		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	12.000	2485.08	29820.96		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	7.400	1920.54	14212.00		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	74.200	49.22	3652.12		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	6.3720	4312.78	27481.03		
		Total - I					118617.48			
		Sundries @ 3% i.e. on Rs. 118617.48					3558.52			
		Add contractor's profit @ 10% i.e. on Rs. 122176					12217.60			
		Add Labour cess @ 1% i.e. on Rs. 134393.6					1343.94			
		Material cost for	30.48	Rmt			135737.54			
		Material cost for	1.00	Rmt			4453.33	4453.33		4453.33
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	11.300	261.25	2952.13		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	72.972	65.00	4743.17				
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	9.990	425.47	4250.45				
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	12.000	734.64	8815.68				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	7.400	425.47	3148.48				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	74.200	44.52	3303.38				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	6.3720	289.03	1841.70				
		Total - II						29054.99				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 29054.99						871.65				
		Add contractor's profit @ 21.50% i.e. on Rs. 29926.64						6434.23				
		Add Labour cess @ 1% i.e. on Rs. 36360.87						363.61				
		Labour for	30.48	Rmt				36724.48				
		Labour for	1.00	Rmt				1204.87	1204.87			1204.87
		Cost for	1.00	Rmt					5658.20			
		Add 10% for sub mountainous region										120.49
		Labour for	1	Rmt								1325.36
		Cost for	1	Rmt								5778.69

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b 840mm i/d P.T. sewer										
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*60.75/12*31.875/12 = 13.447 Cft (-) 1*22/7*(51.75/12)2*1/4*1/2 = 7.306 Cft (-) Triangular Portion 1*2*16.75*16.75*0.50/12*12 = 1.948 Cft Net = 13.447 - 9.254 = 4.193 Cft Or 0.119 Cum.			Cum.	11.900	1683.63	20035.20		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*38.50*9/12*24 = 3.781 Cft. Or 0.107 Cum.			Cum.	10.700	2445.08	26162.36		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*47.375*4.375/12*12 = 4.524 Cft. Or 0.128 Cum.			Cum.	12.800	2485.08	31809.02		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*56.25*0.50*9/24*12 = 2.762 Cft. Or 0.078 Cum			Cum.	7.800	1920.54	14980.21		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	81.500	49.22	4011.43		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	6.8630	4312.78	29598.61		
		Total - I					126596.83			
		Sundries @ 3% i.e. on Rs. 126596.83					3797.90			
		Add contractor's profit @ 10% i.e. on Rs. 130394.73					13039.47			
		Add Labour cess @ 1% i.e. on Rs. 143434.2					1434.34			
		Material cost for	30.48	Rmt			144868.54			
		Material cost for	1.00	Rmt			4752.90	4752.90		4752.90
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*60.75/12*31.875/12 = 13.447 Cft (-) 1*22/7*(51.75/12)2*1/4*1/2 = 7.306 Cft (-) Triangular Portion 1*2*16.75*16.75*0.50/12*12 = 1.948 Cft Net = 13.447 - 9.254 = 4.193 Cft Or 0.119 Cum.			Cum.	11.900	261.25	3108.88		
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	80.269	65.00	5217.48		
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*38.50*9/12*24 = 3.781 Cft. Or 0.107 Cum.			Cum.	10.700	425.47	4552.53		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*47.375*4.375/12*12 = 4.524 Cft. Or 0.128 Cum.			Cum.	12.800	734.64	9403.39				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*56.25*0.50*9/24*12 = 2.762 Cft. Or 0.078 Cum			Cum.	7.800	425.47	3318.67				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	81.500	44.52	3628.38				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	6.8630	289.03	1983.61				
		Total - II						31212.94				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 31212.94						936.39				
		Add contractor's profit @ 21.50% i.e. on Rs. 32149.33						6912.11				
		Add Labour cess @ 1% i.e. on Rs. 39061.44						390.61				
		Labour for 30.48 Rmt						39452.05				
		Labour for 1.00 Rmt						1294.36	1294.36			1294.36
		Cost for 1.00 Rmt							6047.26			
		Add 10% for sub mountainous region										129.44
		Labour for 1 Rmt										1423.80
		Cost for 1 Rmt										6176.70

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c		915mm i/d P.T. sewer								
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*63.75/12*33.375/12 = 14.375 Cft (-) 1*22/7*(54.75/12)2*1/4*1/2 = 8.178 Cft (-) Triangular Portion 1*2*17.75*17.75*0.50/12*12 = 2.188 Cft Net = 14.375 - 10.366 = 4.409 Cft Or 0.125 Cum.			Cum.	12.500	1683.63	21045.38		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*41.50*9/12*24 = 4.074 Cft. Or 0.115 Cum.			Cum.	11.500	2445.08	28118.42		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*50.375*4.375/12*12 = 4.810 Cft. Or 0.136 Cum.			Cum.	13.600	2485.08	33797.09		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*59.25*0.50*9/24*12 = 2.910 Cft. Or 0.082 Cum			Cum.	8.200	1920.54	15748.43		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	88.800	49.22	4370.74		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	7.2210	4312.78	31142.58		
		Total - I					134222.64			
		Sundries @ 3% i.e. on Rs. 134222.64					4026.68			
		Add contractor's profit @ 10% i.e. on Rs. 138249.32					13824.93			
		Add Labour cess @ 1% i.e. on Rs. 152074.25					1520.74			
		Material cost for	30.48	Rmt			153594.99			
		Material cost for	1.00	Rmt			5039.21	5039.21		5039.21
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*63.75/12*33.375/12 = 14.375 Cft (-) 1*22/7*(54.75/12)2*1/4*1/2 = 8.178 Cft (-) Triangular Portion 1*2*17.75*17.75*0.50/12*12 = 2.188 Cft Net = 14.375 - 10.366 = 4.409 Cft Or 0.125 Cum.			Cum.	12.500	261.25	3265.63		
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	87.566	65.00	5691.80		
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*41.50*9/12*24 = 4.074 Cft. Or 0.115 Cum.			Cum.	11.500	425.47	4892.91		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*50.375*4.375/12*12 = 4.810 Cft. Or 0.136 Cum.			Cum.	13.600	734.64	9991.10				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*59.25*0.50*9/24*12 = 2.910 Cft. Or 0.082 Cum			Cum.	8.200	425.47	3488.85				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	88.800	44.52	3953.38				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	7.2210	289.03	2087.09				
		Total - II						33370.76				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 33370.76						1001.12				
		Add contractor's profit @ 21.50% i.e. on Rs. 34371.88						7389.95				
		Add Labour cess @ 1% i.e. on Rs. 41761.83						417.62				
		Labour for 30.48 Rmt						42179.45				
		Labour for 1.00 Rmt						1383.84	1383.84			1383.84
		Cost for 1.00 Rmt							6423.05			
		Add 10% for sub mountainous region										138.38
		Labour for 1 Rmt										1522.22
		Cost for 1 Rmt										6561.43

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d		990mm i/d P.T. sewer								
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*66.75/12*34.875/12 = 16.166 Cft (-) 1*22/7*(57.75/12)2*1/4*1/2 = 9.099 Cft (-) Triangular Portion 1*2*18.50*18.50*0.50/12*12 = 2.377 Cft Net = 16.166 - 11.476 = 4.690 Cft Or 0.133 Cum.			Cum.	13.300	1683.63	22392.28		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*44.50*9/12*24 = 4.371 Cft. Or 0.124 Cum.			Cum.	12.400	2445.08	30318.99		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*53.375*4.375/12*12 = 5.097 Cft. Or 0.144 Cum.			Cum.	14.400	2485.08	35785.15		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*62.25*0.50*9/24*12 = 3.057 Cft. Or 0.087 Cum			Cum.	8.700	1920.54	16708.70		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	96.100	49.22	4730.04		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	7.7120	4312.78	33260.16		
		Total - I					143195.32			
		Sundries @ 3% i.e. on Rs. 143195.32					4295.86			
		Add contractor's profit @ 10% i.e. on Rs. 147491.18					14749.12			
		Add Labour cess @ 1% i.e. on Rs. 162240.3					1622.40			
		Material cost for	30.48	Rmt			163862.70			
		Material cost for	1.00	Rmt			5376.07	5376.07		5376.07
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*66.75/12*34.875/12 = 16.166 Cft (-) 1*22/7*(57.75/12)2*1/4*1/2 = 9.099 Cft (-) Triangular Portion 1*2*18.50*18.50*0.50/12*12 = 2.377 Cft Net = 16.166 - 11.476 = 4.690 Cft Or 0.133 Cum.			Cum.	13.300	261.25	3474.63		
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	94.863	65.00	6166.12		
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*44.50*9/12*24 = 4.371 Cft. Or 0.124 Cum.			Cum.	12.400	425.47	5275.83		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*53.375*4.375/12*12 = 5.097 Cft. Or 0.144 Cum.			Cum.	14.400	734.64	10578.82				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*62.25*0.50*9/24*12 = 3.057 Cft. Or 0.087 Cum			Cum.	8.700	425.47	3701.59				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	96.100	44.52	4278.37				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	7.7120	289.03	2229.00				
		Total - II						35704.36				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 35704.36						1071.13				
		Add contractor's profit @ 21.50% i.e. on Rs. 36775.49						7906.73				
		Add Labour cess @ 1% i.e. on Rs. 44682.22						446.82				
		Labour for 30.48 Rmt						45129.04				
		Labour for 1.00 Rmt						1480.61	1480.61			1480.61
		Cost for 1.00 Rmt							6856.68			
		Add 10% for sub mountainous region										148.06
		Labour for 1 Rmt										1628.67
		Cost for 1 Rmt										7004.74

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
e 1065mm i/d P.T. sewer										
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*69.75/12*36.375/12 = 17.619 Cft (-) 1*22/7*(60.75/12)2*1/4*1/2 = 10.068 Cft (-) Triangular Portion 1*2*19.25*19.25*0.50/12*12 = 2.573 Cft Net = 17.619 - 12.641 = 4.978 Cft Or 0.141 Cum.			Cum.	14.100	1683.63	23739.18		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*47.50*9/12*24 = 4.665 Cft. Or 0.132 Cum.			Cum.	13.200	2445.08	32275.06		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*56.375*4.375/12*12 = 5.383 Cft. Or 0.152 Cum.			Cum.	15.200	2485.08	37773.22		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*65.25*0.50*9/24*12 = 3.204 Cft. Or 0.091 Cum			Cum.	9.100	1920.54	17476.91		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	103.400	49.22	5089.35		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	8.2030	4312.78	35377.73		
		Total - I						151731.45		
		Sundries @ 3% i.e. on Rs. 151731.45						4551.94		
		Add contractor's profit @ 10% i.e. on Rs. 156283.39						15628.34		
		Add Labour cess @ 1% i.e. on Rs. 171911.73						1719.12		
		Material cost for	30.48	Rmt				173630.85		
		Material cost for	1.00	Rmt				5696.55	5696.55	5696.55
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*69.75/12*36.375/12 = 17.619 Cft (-) 1*22/7*(60.75/12)2*1/4*1/2 = 10.068 Cft (-) Triangular Portion 1*2*19.25*19.25*0.50/12*12 = 2.573 Cft Net = 17.619 - 12.641 = 4.978 Cft Or 0.141 Cum.			Cum.	14.100	261.25	3683.63		
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	102.160	65.00	6640.43		
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*47.50*9/12*24 = 4.665 Cft. Or 0.132 Cum.			Cum.	13.200	425.47	5616.20		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*56.375*4.375/12*12 = 5.383 Cft. Or 0.152 Cum.			Cum.	15.200	734.64	11166.53				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*65.25*0.50*9/24*12 = 3.204 Cft. Or 0.091 Cum			Cum.	9.100	425.47	3871.78				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	103.400	44.52	4603.37				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	8.2030	289.03	2370.91				
		Total - II						37952.85				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 37952.85						1138.59				
		Add contractor's profit @ 21.50% i.e. on Rs. 39091.44						8404.66				
		Add Labour cess @ 1% i.e. on Rs. 47496.1						474.96				
		Labour for 30.48 Rmt						47971.06				
		Labour for 1.00 Rmt						1573.85	1573.85			1573.85
		Cost for 1.00 Rmt							7270.40			
		Add 10% for sub mountainous region										157.39
		Labour for 1 Rmt										1731.24
		Cost for 1 Rmt										7427.79

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
f		1145mm i/d P.T. sewer								
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*76/12*39.50/12 = 20.847 Cft (-) 1*22/7*(67/12)2*1/4*1/2 = 12.247 Cft (-) Triangular Portion 1*2*20.50*20.50*0.50/12*12 = 2.918 Cft Net = 20.847 - 15.165 = 5.682 Cft Or 0.161 Cum.			Cum.	16.100	1683.63	27106.44		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*50.50*9/12*24 = 4.959 Cft. Or 0.140 Cum.			Cum.	14.000	2445.08	34231.12		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*61*6/12*12 = 7.988 Cft. Or 0.226 Cum.			Cum.	22.600	2485.08	56162.81		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*71.50*0.50*9/24*12 = 3.511 Cft. Or 0.099 Cum			Cum.	9.900	1920.54	19013.35		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	110.700	49.22	5448.65		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	10.5190	4312.78	45366.13		
		Total - I					187328.50			
		Sundries @ 3% i.e. on Rs. 187328.5					5619.86			
		Add contractor's profit @ 10% i.e. on Rs. 192948.36					19294.84			
		Add Labour cess @ 1% i.e. on Rs. 212243.2					2122.43			
		Material cost for	30.48	Rmt			214365.63			
		Material cost for	1.00	Rmt			7032.99	7032.99		7032.99
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*76/12*39.50/12 = 20.847 Cft (-) 1*22/7*(67/12)2*1/4*1/2 = 12.247 Cft (-) Triangular Portion 1*2*20.50*20.50*0.50/12*12 = 2.918 Cft Net = 20.847 - 15.165 = 5.682 Cft Or 0.161 Cum.			Cum.	16.100	261.25	4206.13		
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	109.458	65.00	7114.75		
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*50.50*9/12*24 = 4.959 Cft. Or 0.140 Cum.			Cum.	14.000	425.47	5956.58		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*61*6/12*12 = 7.988 Cft. Or 0.226 Cum.			Cum.	22.600	734.64	16602.86				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*71.50*0.50*9/24*12 = 3.511 Cft. Or 0.099 Cum			Cum.	9.900	425.47	4212.15				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	110.700	44.52	4928.36				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	10.5190	289.03	3040.31				
		Total - II						46061.14				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 46061.14						1381.83				
		Add contractor's profit @ 21.50% i.e. on Rs. 47442.97						10200.24				
		Add Labour cess @ 1% i.e. on Rs. 57643.21						576.43				
		Labour for 30.48 Rmt	30.48	Rmt				58219.64				
		Labour for 1.00 Rmt	1.00	Rmt				1910.09	1910.09			1910.09
		Cost for 1.00 Rmt	1.00	Rmt					8943.08			
		Add 10% for sub mountainous region										191.01
		Labour for 1 Rmt	1	Rmt								2101.10
		Cost for 1 Rmt	1	Rmt								9134.09

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
g 1220mm i/d P.T. sewer										
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*79.00/12*41.00/12 = 22.493 Cft (-) 1*22/7*(70/12)2*1/4*1/2 = 13.368 Cft (-) Triangular Portion 1*2*21.25*21.25*0.50/12*12 = 3.136 Cft Net = 22.493 - 16.504 = 5.985 Cft Or 0.169 Cum.			Cum.	16.900	1683.63	28453.35		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*53.50*9/12*24 = 5.254 Cft. Or 0.149 Cum.			Cum.	14.900	2445.08	36431.69		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*66*6/12*12 = 8.381 Cft. Or 0.237 Cum.			Cum.	23.700	2485.08	58896.40		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*74.50*0.50*9/24*12 = 3.658 Cft. Or 0.104 Cum			Cum.	10.400	1920.54	19973.62		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	118.000	49.22	5807.96		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	11.0570	4312.78	47686.41		
		Total - I					197249.43			
		Sundries @ 3% i.e. on Rs. 197249.43					5917.48			
		Add contractor's profit @ 10% i.e. on Rs. 203166.91					20316.69			
		Add Labour cess @ 1% i.e. on Rs. 223483.6					2234.84			
		Material cost for	30.48	Rmt			225718.44			
		Material cost for	1.00	Rmt			7405.46	7405.46		7405.46
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*79.00/12*41.00/12 = 22.493 Cft (-) 1*22/7*(70/12)2*1/4*1/2 = 13.368 Cft (-) Triangular Portion 1*2*21.25*21.25*0.50/12*12 = 3.136 Cft Net = 22.493 - 16.504 = 5.985 Cft Or 0.169 Cum.			Cum.	16.900	261.25	4415.13		
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	116.755	65.00	7589.06		
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*53.50*9/12*24 = 5.254 Cft. Or 0.149 Cum.			Cum.	14.900	425.47	6339.50		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*66*6/12*12 = 8.381 Cft. Or 0.237 Cum.			Cum.	23.700	734.64	17410.97				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*74.50*0.50*9/24*12 = 3.658 Cft. Or 0.104 Cum			Cum.	10.400	425.47	4424.89				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	118.000	44.52	5253.36				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	11.0570	289.03	3195.80				
		Total - II						48628.71				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 48628.71						1458.86				
		Add contractor's profit @ 21.50% i.e. on Rs. 50087.57						10768.83				
		Add Labour cess @ 1% i.e. on Rs. 60856.4						608.56				
		Labour for 30.48 Rmt	30.48	Rmt				61464.96				
		Labour for 1.00 Rmt	1.00	Rmt				2016.57	2016.57			2016.57
		Cost for 1.00 Rmt	1.00	Rmt					9422.03			
		Add 10% for sub mountainous region										201.66
		Labour for 1 Rmt	1	Rmt								2218.23
		Cost for 1 Rmt	1	Rmt								9623.69

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
h 1295mm i/d P.T. sewer										
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*82.00/12*42.50/12 = 24.201 Cft (-) 1*22/7*(73.00/12)2*1/4*1/2 = 14.538 Cft (-) Triangular Portion 1*2*22.50*22.50*0.50/12*12 = 3.515 Cft Net = 24.201 - 18.053 = 6.148 Cft Or 0.174 Cum.								
				Cum.	17.400	1683.63	29295.16			
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*56.50*9/12*24 = 5.549 Cft. Or 0.157 Cum.								
				Cum.	15.700	2445.08	38387.76			
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*66*6/12*12 = 8.642 Cft. Or 0.245 Cum.								
				Cum.	24.500	2485.08	60884.46			
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*77.50*0.50*9/24*12 = 3.805 Cft. Or 0.107 Cum								
				Cum.	10.700	1920.54	20549.78			
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)								
				Sqm.	125.300	49.22	6167.27			
vi		Steel (Rate as per CSR item 18.18)								
				Qtl.	11.5920	4312.78	49993.75			
		Total - I					205278.18			
		Sundries @ 3% i.e. on Rs. 205278.18					6158.35			
		Add contractor's profit @ 10% i.e. on Rs. 211436.53					21143.65			
		Add Labour cess @ 1% i.e. on Rs. 232580.18					2325.80			
		Material cost for	30.48	Rmt			234905.98			
		Material cost for	1.00	Rmt			7706.89	7706.89		7706.89
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*82.00/12*42.50/12 = 24.201 Cft (-) 1*22/7*(73.00/12)2*1/4*1/2 = 14.538 Cft (-) Triangular Portion 1*2*22.50*22.50*0.50/12*12 = 3.515 Cft Net = 24.201 - 18.053 = 6.148 Cft Or 0.174 Cum.								
				Cum.	17.400	261.25	4545.75			
ii		Centring & Shuttering(as per sub analysis attached)								
				Sqm.	124.052	65.00	8063.38			
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*56.50*9/12*24 = 5.549 Cft. Or 0.157 Cum.								
				Cum.	15.700	425.47	6679.88			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*66*6/12*12 = 8.642 Cft. Or 0.245 Cum.			Cum.	24.500	734.64	17998.68				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*77.50*0.50*9/24*12 = 3.805 Cft. Or 0.107 Cum			Cum.	10.700	425.47	4552.53				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	125.300	44.52	5578.36				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	11.5920	289.03	3350.44				
		Total - II						50769.02				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 50769.02						1523.07				
		Add contractor's profit @ 21.50% i.e. on Rs. 52292.09						11242.80				
		Add Labour cess @ 1% i.e. on Rs. 63534.89						635.35				
		Labour for 30.48 Rmt						64170.24				
		Labour for 1.00 Rmt						2105.32	2105.32			2105.32
		Cost for 1.00 Rmt							9812.21			
		Add 10% for sub mountainous region										210.53
		Labour for 1 Rmt										2315.85
		Cost for 1 Rmt										10022.74

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i		1370mm i/d P.T. sewer								
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*85.00/12*44.00/12 = 25.972 Cft (-) 1*22/7*(76.00/12)2*1/4*1/2 = 15.757 Cft (-) Triangular Portion 1*2*23.50*23.50*0.50/12*12 = 3.835 Cft Net = 25.972 - 19.592 = 6.380 Cft Or 0.181 Cum.			Cum.	18.100	1683.63	30473.70		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*59.50*9/12*24 = 5.844 Cft. Or 0.165 Cum.			Cum.	16.500	2445.08	40343.82		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*70*6/12*12 = 9.167 Cft. Or 0.260 Cum.			Cum.	26.000	2485.08	64612.08		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*80.50*0.50*9/24*12 = 3.953 Cft. Or 0.112 Cum			Cum.	11.200	1920.54	21510.05		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	132.600	49.22	6526.57		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	11.9900	4312.78	51710.23		
		Total - I					215176.45			
		Sundries @ 3% i.e. on Rs. 215176.45					6455.29			
		Add contractor's profit @ 10% i.e. on Rs. 221631.74					22163.17			
		Add Labour cess @ 1% i.e. on Rs. 243794.91					2437.95			
		Material cost for	30.48	Rmt			246232.86			
		Material cost for	1.00	Rmt			8078.51	8078.51		8078.51
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*85.00/12*44.00/12 = 25.972 Cft (-) 1*22/7*(76.00/12)2*1/4*1/2 = 15.757 Cft (-) Triangular Portion 1*2*23.50*23.50*0.50/12*12 = 3.835 Cft Net = 25.972 - 19.592 = 6.380 Cft Or 0.181 Cum.			Cum.	18.100	261.25	4728.63		
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	131.349	65.00	8537.70		
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*59.50*9/12*24 = 5.844 Cft. Or 0.165 Cum.			Cum.	16.500	425.47	7020.26		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*70*6/12*12 = 9.167 Cft. Or 0.260 Cum.			Cum.	26.000	734.64	19100.64				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*80.50*0.50*9/24*12 = 3.953 Cft. Or 0.112 Cum			Cum.	11.200	425.47	4765.26				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	132.600	44.52	5903.35				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	11.9900	289.03	3465.47				
		Total - II						53521.31				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 53521.31						1605.64				
		Add contractor's profit @ 21.50% i.e. on Rs. 55126.95						11852.29				
		Add Labour cess @ 1% i.e. on Rs. 66979.24						669.79				
		Labour for 30.48 Rmt	30.48	Rmt				67649.03				
		Labour for 1.00 Rmt	1.00	Rmt				2219.46	2219.46			2219.46
		Cost for 1.00 Rmt	1.00	Rmt					10297.97			
		Add 10% for sub mountainous region										221.95
		Labour for 1 Rmt	1	Rmt								2441.41
		Cost for 1 Rmt	1	Rmt								10519.92

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
j		1450mm i/d P.T. sewer								
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*88.00/12*45.50/12 = 27.806 Cft (-) 1*22/7*(79.00/12)2*1/4*1/2 = 17.026 Cft (-) Triangular Portion 1*2*24.25*24.25*0.50/12*12 = 4.084 Cft Net = 27.806 - 21.110 = 6.696 Cft Or 0.190 Cum.			Cum.	19.000	1683.63	31988.97		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*62.50*9/12*24 = 6.138 Cft. Or 0.174 Cum.			Cum.	17.400	2445.08	42544.39		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*73*6/12*12 = 9.560 Cft. Or 0.270 Cum.			Cum.	27.000	2485.08	67097.16		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*83.50*0.50*9/24*12 = 4.100 Cft. Or 0.116 Cum			Cum.	11.600	1920.54	22278.26		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	139.900	49.22	6885.88		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	12.5240	4312.78	54013.26		
		Total - I					224807.92			
		Sundries @ 3% i.e. on Rs. 224807.92					6744.24			
		Add contractor's profit @ 10% i.e. on Rs. 231552.16					23155.22			
		Add Labour cess @ 1% i.e. on Rs. 254707.38					2547.07			
		Material cost for	30.48	Rmt			257254.45			
		Material cost for	1.00	Rmt			8440.11	8440.11		8440.11
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*88.00/12*45.50/12 = 27.806 Cft (-) 1*22/7*(79.00/12)2*1/4*1/2 = 17.026 Cft (-) Triangular Portion 1*2*24.25*24.25*0.50/12*12 = 4.084 Cft Net = 27.806 - 21.110 = 6.696 Cft Or 0.190 Cum.			Cum.	19.000	261.25	4963.75		
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	138.646	65.00	9012.01		
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*62.50*9/12*24 = 6.138 Cft. Or 0.174 Cum.			Cum.	17.400	425.47	7403.18		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*73*6/12*12 = 9.560 Cft. Or 0.270 Cum.			Cum.	27.000	734.64	19835.28				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*83.50*0.50*9/24*12 = 4.100 Cft. Or 0.116 Cum			Cum.	11.600	425.47	4935.45				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	139.900	44.52	6228.35				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	12.5240	289.03	3619.81				
		Total - II						55997.83				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 55997.83						1679.93				
		Add contractor's profit @ 21.50% i.e. on Rs. 57677.76						12400.72				
		Add Labour cess @ 1% i.e. on Rs. 70078.48						700.78				
		Labour for 30.48 Rmt	30.48	Rmt				70779.26				
		Labour for 1.00 Rmt	1.00	Rmt				2322.15	2322.15			2322.15
		Cost for 1.00 Rmt	1.00	Rmt					10762.26			
		Add 10% for sub mountainous region										232.22
		Labour for 1 Rmt	1	Rmt								2554.37
		Cost for 1 Rmt	1	Rmt								10994.48

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
k		1525mm i/d P.T. sewer								
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*91.00/12*47.00/12 = 29.701 Cft (-) 1*22/7*(82.00/12)2*1/4*1/2 = 18.344 Cft (-) Triangular Portion 1*2*25.25*25.25*0.50/12*12 = 4.428 Cft Net = 29.701 - 22.722 = 6.929 Cft Or 0.196 Cum.			Cum.	19.600	1683.63	32999.15		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*65.50*9/12*24 = 6.433 Cft. Or 0.182 Cum.			Cum.	18.200	2445.08	44500.46		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*76*6/12*12 = 9.952 Cft. Or 0.282 Cum.			Cum.	28.200	2485.08	70079.26		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*86.50*0.50*9/24*12 = 4.248 Cft. Or 0.120 Cum			Cum.	12.000	1920.54	23046.48		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	147.200	49.22	7245.18		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	13.0590	4312.78	56320.59		
		Total - I						234191.12		
		Sundries @ 3% i.e. on Rs. 234191.12						7025.73		
		Add contractor's profit @ 10% i.e. on Rs. 241216.85						24121.69		
		Add Labour cess @ 1% i.e. on Rs. 265338.54						2653.39		
		Material cost for	30.48	Rmt				267991.93		
		Material cost for	1.00	Rmt				8792.39	8792.39	8792.39
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*91.00/12*47.00/12 = 29.701 Cft (-) 1*22/7*(82.00/12)2*1/4*1/2 = 18.344 Cft (-) Triangular Portion 1*2*25.25*25.25*0.50/12*12 = 4.428 Cft Net = 29.701 - 22.722 = 6.929 Cft Or 0.196 Cum.			Cum.	19.600	261.25	5120.50		
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	145.944	65.00	9486.33		
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*65.50*9/12*24 = 6.433 Cft. Or 0.182 Cum.			Cum.	18.200	425.47	7743.55		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*76*6/12*12 = 9.952 Cft. Or 0.282 Cum.			Cum.	28.200	734.64	20716.85				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*86.50*0.50*9/24*12 = 4.248 Cft. Or 0.120 Cum			Cum.	12.000	425.47	5105.64				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	147.200	44.52	6553.34				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	13.0590	289.03	3774.44				
		Total - II						58500.65				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 58500.65						1755.02				
		Add contractor's profit @ 21.50% i.e. on Rs. 60255.67						12954.97				
		Add Labour cess @ 1% i.e. on Rs. 73210.64						732.11				
		Labour for 30.48 Rmt	30.48	Rmt				73942.75				
		Labour for 1.00 Rmt	1.00	Rmt				2425.94	2425.94			2425.94
		Cost for 1.00 Rmt	1.00	Rmt					11218.33			
		Add 10% for sub mountainous region										242.59
		Labour for 1 Rmt	1	Rmt								2668.53
		Cost for 1 Rmt	1	Rmt								11460.92

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Construction of pressure type Circular sewer in RCC / Brick complete as per drawing and design(Under High Sub - Soil water conditions) Type III								
29.49										
a		760mm i/d P.T. sewer								
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*59.00/12*31.00/12 = 12.701 Cft (-) Sewer Portion (-) 1*22/7*(50/12)2*1/4*1/2 = 6.818 Cft Net = 12.701 - 6.818 = 5.883 Cft Or 0.167 Cum.								
				Cum.	16.700	1683.63	28116.62			
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.								
				Cum.	9.900	2445.08	24206.29			
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*45.00*5/12*12 = 4.911 Cft. Or 0.139 Cum.								
				Cum.	13.900	2485.08	34542.61			
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*54.50*0.50*9/24*12 = 2.676 Cft. Or 0.076 Cum								
				Cum.	7.600	1920.54	14596.10			
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)								
				Sqm.	74.200	49.22	3652.12			
vi		Steel (Rate as per CSR item 18.18)								
				Qtl.	7.8200	4312.78	33725.94			
		Total - I					138839.68			
		Sundries @ 3% i.e. on Rs. 138839.68					4165.19			
		Add contractor's profit @ 10% i.e. on Rs. 143004.87					14300.49			
		Add Labour cess @ 1% i.e. on Rs. 157305.36					1573.05			
		Material cost for	30.48	Rmt			158878.41			
		Material cost for	1.00	Rmt			5212.55	5212.55		5212.55
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*59.00/12*31.00/12 = 12.701 Cft (-) Sewer Portion (-) 1*22/7*(50/12)2*1/4*1/2 = 6.818 Cft Net = 12.701 - 6.818 = 5.883 Cft Or 0.167 Cum.								
				Cum.	16.700	261.25	4362.88			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
ii		Centring & Shuttering(as per sub analysis attached)			Sqm.	72.972	65.00	4743.17				
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	9.900	425.47	4212.15				
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*45.00*5/12*12 = 4.911 Cft. Or 0.139 Cum.			Cum.	13.900	734.64	10211.50				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*54.50*0.50*9/24*12 = 2.676 Cft. Or 0.076 Cum			Cum.	7.600	425.47	3233.57				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	74.200	44.52	3303.38				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	7.8200	289.03	2260.21				
		Total - II						32326.86				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 32326.86						969.81				
		Add contractor's profit @ 21.50% i.e. on Rs. 33296.67						7158.78				
		Add Labour cess @ 1% i.e. on Rs. 40455.45						404.55				
		Labour for	30.48	Rmt				40860.00				
		Labour for	1.00	Rmt				1340.55	1340.55			1340.55
		Cost for	1.00	Rmt					6553.10			
		Add 10% for sub mountainous region										134.06
		Labour for	1	Rmt								1474.61
		Cost for	1	Rmt								6687.16

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b 840mm i/d P.T. sewer										
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*62.00/12*32.50/12 = 13.993 Cft (-) Sewer Portion (-) 1*22/7*(53/12)2*1/4*1/2 = 7.663 Cft Net = 13.993 - 7.663 = 6.330 Cft Or 0.179 Cum.								
				Cum.	17.900	1683.63	30136.98			
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*38.50*9/12*24 = 3.781 Cft. Or 0.107 Cum.								
				Cum.	10.700	2445.08	26162.36			
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*48.00*5/12*12 = 5.238 Cft. Or 0.148 Cum.								
				Cum.	14.800	2485.08	36779.18			
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*57.50*0.50*9/24*12 = 2.824 Cft. Or 0.080 Cum								
				Cum.	8.000	1920.54	15364.32			
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)								
				Sqm.	81.500	49.22	4011.43			
vi		Steel (Rate as per CSR item 18.18)								
				Qtl.	8.3690	4312.78	36093.66			
		Total - I					148547.93			
		Sundries @ 3% i.e. on Rs. 148547.93					4456.44			
		Add contractor's profit @ 10% i.e. on Rs. 153004.37					15300.44			
		Add Labour cess @ 1% i.e. on Rs. 168304.81					1683.05			
		Material cost for	30.48	Rmt			169987.86			
		Material cost for	1.00	Rmt			5577.03	5577.03		5577.03
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*62.00/12*32.50/12 = 13.993 Cft (-) Sewer Portion (-) 1*22/7*(53/12)2*1/4*1/2 = 7.663 Cft Net = 13.993 - 7.663 = 6.330 Cft Or 0.179 Cum.								
				Cum.	17.900	261.25	4676.38			
ii		Centring & Shuttering(as per sub analysis attached)								
				Sqm.	80.269	65.00	5217.48			
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*38.50*9/12*24 = 3.781 Cft. Or 0.107 Cum.								
				Cum.	10.700	425.47	4552.53			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*48.00*5/12*12 = 5.238 Cft. Or 0.148 Cum.			Cum.	14.800	734.64	10872.67				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*57.50*0.50*9/24*12 = 2.824 Cft. Or 0.080 Cum			Cum.	8.000	425.47	3403.76				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	81.500	44.52	3628.38				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	8.3690	289.03	2418.89				
		Total - II						34770.09				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 34770.09						1043.10				
		Add contractor's profit @ 21.50% i.e. on Rs. 35813.19						7699.84				
		Add Labour cess @ 1% i.e. on Rs. 43513.03						435.13				
		Labour for 30.48 Rmt	30.48	Rmt				43948.16				
		Labour for 1.00 Rmt	1.00	Rmt				1441.87	1441.87			1441.87
		Cost for 1.00 Rmt	1.00	Rmt					7018.90			
		Add 10% for sub mountainous region										144.19
		Labour for 1 Rmt	1	Rmt								1586.06
		Cost for 1 Rmt	1	Rmt								7163.09

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c		915mm i/d P.T. sewer								
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*67.00/12*35.00/12 = 16.284 Cft (-) Sewer Portion (-) 1*22/7*(58/12)2*1/4*1/2 = 9.178 Cft Net = 16.284 - 9.178 = 7.106 Cft Or 0.201 Cum.								
				Cum.	20.100	1683.63	33840.96			
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*41.50*9/12*24 = 4.075 Cft. Or 0.115 Cum.								
				Cum.	11.500	2445.08	28118.42			
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*52.00*6/12*12 = 6.810 Cft. Or 0.193 Cum.								
				Cum.	19.300	2485.08	47962.04			
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*61.50*0.50*9/24*12 = 3.020 Cft. Or 0.085 Cum								
				Cum.	8.500	1920.54	16324.59			
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)								
				Sqm.	88.800	49.22	4370.74			
vi		Steel (Rate as per CSR item 18.18)								
				Qtl.	8.9630	4312.78	38655.45			
		Total - I					169272.20			
		Sundries @ 3% i.e. on Rs. 169272.2					5078.17			
		Add contractor's profit @ 10% i.e. on Rs. 174350.37					17435.04			
		Add Labour cess @ 1% i.e. on Rs. 191785.41					1917.85			
		Material cost for	30.48	Rmt			193703.26			
		Material cost for	1.00	Rmt			6355.09	6355.09		6355.09
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*67.00/12*35.00/12 = 16.284 Cft (-) Sewer Portion (-) 1*22/7*(58/12)2*1/4*1/2 = 9.178 Cft Net = 16.284 - 9.178 = 7.106 Cft Or 0.201 Cum.								
				Cum.	20.100	261.25	5251.13			
ii		Centring & Shuttering(as per sub analysis attached)								
				Sqm.	87.566	65.00	5691.80			
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*41.50*9/12*24 = 4.075 Cft. Or 0.115 Cum.								
				Cum.	11.500	425.47	4892.91			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*52.00*6/12*12 = 6.810 Cft. Or 0.193 Cum.			Cum.	19.300	734.64	14178.55				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*61.50*0.50*9/24*12 = 3.020 Cft. Or 0.085 Cum			Cum.	8.500	425.47	3616.50				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	88.800	44.52	3953.38				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	8.9630	289.03	2590.58				
		Total - II						40174.85				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 40174.85						1205.25				
		Add contractor's profit @ 21.50% i.e. on Rs. 41380.1						8896.72				
		Add Labour cess @ 1% i.e. on Rs. 50276.82						502.77				
		Labour for 30.48 Rmt	30.48	Rmt				50779.59				
		Labour for 1.00 Rmt	1.00	Rmt				1666.00	1666.00			1666.00
		Cost for 1.00 Rmt	1.00	Rmt					8021.09			
		Add 10% for sub mountainous region										166.60
		Labour for 1 Rmt	1	Rmt								1832.60
		Cost for 1 Rmt	1	Rmt								8187.69

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d		990mm i/d P.T. sewer								
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*70.00/12*36.50/12 = 17.743 Cft (-) Sewer Portion (-) 1*22/7*(61/12)2*1/4*1/2 = 10.151 Cft Net = 17.743 - 10.151 = 7.592 Cft Or 0.215 Cum.								
				Cum.	21.500	1683.63	36198.05			
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*44.50*9/12*24 = 4.371 Cft. Or 0.124 Cum.								
				Cum.	12.400	2445.08	30318.99			
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*55.00*6/12*12 = 7.202 Cft. Or 0.204 Cum.								
				Cum.	20.400	2485.08	50695.63			
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*65.50*0.50*9/24*12 = 3.216 Cft. Or 0.091 Cum								
				Cum.	9.100	1920.54	17476.91			
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)								
				Sqm.	96.000	49.22	4725.12			
vi		Steel (Rate as per CSR item 18.18)								
				Qtl.	9.5120	4312.78	41023.16			
		Total - I					180437.86			
		Sundries @ 3% i.e. on Rs. 180437.86					5413.14			
		Add contractor's profit @ 10% i.e. on Rs. 185851					18585.10			
		Add Labour cess @ 1% i.e. on Rs. 204436.1					2044.36			
		Material cost for	30.48	Rmt			206480.46			
		Material cost for	1.00	Rmt			6774.29	6774.29		6774.29
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*70.00/12*36.50/12 = 17.743 Cft (-) Sewer Portion (-) 1*22/7*(61/12)2*1/4*1/2 = 10.151 Cft Net = 17.743 - 10.151 = 7.592 Cft Or 0.215 Cum.								
				Cum.	21.500	261.25	5616.88			
ii		Centring & Shuttering(as per sub analysis attached)								
				Sqm.	94.863	65.00	6166.12			
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*44.50*9/12*24 = 4.371 Cft. Or 0.124 Cum.								
				Cum.	12.400	425.47	5275.83			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*55.00*6/12*12 = 7.202 Cft. Or 0.204 Cum.			Cum.	20.400	734.64	14986.66				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*65.50*0.50*9/24*12 = 3.216 Cft. Or 0.091 Cum			Cum.	9.100	425.47	3871.78				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	96.000	44.52	4273.92				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	9.5120	289.03	2749.25				
		Total - II						42940.44				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 42940.44						1288.21				
		Add contractor's profit @ 21.50% i.e. on Rs. 44228.65						9509.16				
		Add Labour cess @ 1% i.e. on Rs. 53737.81						537.38				
		Labour for 30.48 Rmt	30.48	Rmt				54275.19				
		Labour for 1.00 Rmt	1.00	Rmt				1780.68	1780.68			1780.68
		Cost for 1.00 Rmt	1.00	Rmt					8554.97			
		Add 10% for sub mountainous region										178.07
		Labour for 1 Rmt	1	Rmt								1958.75
		Cost for 1 Rmt	1	Rmt								8733.04

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
e 1065mm i/d P.T. sewer										
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*73.00/12*38.00/12 = 19.263 Cft (-) Sewer Portion (-) 1*22/7*(64/12)2*1/4*1/2 = 11.174 Cft Net = 19.263 - 11.174 = 8.089 Cft Or 0.229 Cum.								
					Cum.	22.900	1683.63	38555.13		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*47.50*9/12*24 = 4.665 Cft. Or 0.132 Cum.								
					Cum.	13.200	2445.08	32275.06		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*58*6/12*12 = 7.585 Cft. Or 0.215 Cum.								
					Cum.	21.500	2485.08	53429.22		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*68.50*0.50*9/24*12 = 3.315 Cft. Or 0.095 Cum								
					Cum.	9.500	1920.54	18245.13		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)								
					Sqm.	103.400	49.22	5089.35		
vi		Steel (Rate as per CSR item 18.18)								
					Qtl.	10.0610	4312.78	43390.88		
		Total - I						190984.77		
		Sundries @ 3% i.e. on Rs. 190984.77						5729.54		
		Add contractor's profit @ 10% i.e. on Rs. 196714.31						19671.43		
		Add Labour cess @ 1% i.e. on Rs. 216385.74						2163.86		
		Material cost for	30.48	Rmt				218549.60		
		Material cost for	1.00	Rmt				7170.26	7170.26	7170.26
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*73.00/12*38.00/12 = 19.263 Cft (-) Sewer Portion (-) 1*22/7*(64/12)2*1/4*1/2 = 11.174 Cft Net = 19.263 - 11.174 = 8.089 Cft Or 0.229 Cum.								
					Cum.	22.900	261.25	5982.63		
ii		Centring & Shuttering(as per sub analysis attached)								
					Sqm.	102.160	65.00	6640.43		
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*47.50*9/12*24 = 4.665 Cft. Or 0.132 Cum.								
					Cum.	13.200	425.47	5616.20		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*58*6/12*12 = 7.585 Cft. Or 0.215 Cum.			Cum.	21.500	734.64	15794.76				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*68.50*0.50*9/24*12 = 3.315 Cft. Or 0.095 Cum			Cum.	9.500	425.47	4041.97				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	103.400	44.52	4603.37				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	10.0610	289.03	2907.93				
		Total - II						45587.29				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 45587.29						1367.62				
		Add contractor's profit @ 21.50% i.e. on Rs. 46954.91						10095.31				
		Add Labour cess @ 1% i.e. on Rs. 57050.22						570.50				
		Labour for 30.48 Rmt						57620.72				
		Labour for 1.00 Rmt						1890.44	1890.44			1890.44
		Cost for 1.00 Rmt							9060.70			
		Add 10% for sub mountainous region										189.04
		Labour for 1 Rmt										2079.48
		Cost for 1 Rmt										9249.74

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
f		1145mm i/d P.T. sewer								
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*76.00/12*39.50/12 = 20.847 Cft (-) Sewer Portion (-) 1*22/7*(67.00/12)2*1/4*1/2 = 12.247 Cft Net = 20.847 - 12.247 = 8.600 Cft Or 0.243 Cum.								
				Cum.	24.300	1683.63	40912.21			
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*50.50*9/12*24 = 4.959 Cft. Or 0.140 Cum.								
				Cum.	14.000	2445.08	34231.12			
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*61*6/12*12 = 7.988 Cft. Or 0.226 Cum.								
				Cum.	22.600	2485.08	56162.81			
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 116) 1*22/7*71.50*0.50*9/24*12 = 3.511 Cft. Or 0.099 Cum								
				Cum.	9.900	1920.54	19013.35			
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)								
				Sqm.	110.700	49.22	5448.65			
vi		Steel (Rate as per CSR item 18.18)								
				Qtl.	12.6400	4312.78	54513.54			
		Total - I					210281.68			
		Sundries @ 3% i.e. on Rs. 210281.68					6308.45			
		Add contractor's profit @ 10% i.e. on Rs. 216590.13					21659.01			
		Add Labour cess @ 1% i.e. on Rs. 238249.14					2382.49			
		Material cost for	30.48	Rmt			240631.63			
		Material cost for	1.00	Rmt			7894.74	7894.74		7894.74
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*76.00/12*39.50/12 = 20.847 Cft (-) Sewer Portion (-) 1*22/7*(67.00/12)2*1/4*1/2 = 12.247 Cft Net = 20.847 - 12.247 = 8.600 Cft Or 0.243 Cum.								
				Cum.	24.300	261.25	6348.38			
ii		Centring & Shuttering(as per sub analysis attached)								
				Sqm.	109.458	65.00	7114.75			
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*50.50*9/12*24 = 4.959 Cft. Or 0.140 Cum.								
				Cum.	14.000	425.47	5956.58			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*61*6/12*12 = 7.988 Cft. Or 0.226 Cum.			Cum.	22.600	734.64	16602.86				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 116) 1*22/7*71.50*0.50*9/24*12 = 3.511 Cft. Or 0.099 Cum			Cum.	9.900	425.47	4212.15				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	110.700	44.52	4928.36				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	12.6400	289.03	3653.34				
		Total - II						48816.42				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 48816.42						1464.49				
		Add contractor's profit @ 21.50% i.e. on Rs. 50280.91						10810.40				
		Add Labour cess @ 1% i.e. on Rs. 61091.31						610.91				
		Labour for 30.48 Rmt	30.48	Rmt				61702.22				
		Labour for 1.00 Rmt	1.00	Rmt				2024.35	2024.35			2024.35
		Cost for 1.00 Rmt	1.00	Rmt					9919.09			
		Add 10% for sub mountainous region										202.44
		Labour for 1 Rmt	1	Rmt								2226.79
		Cost for 1 Rmt	1	Rmt								10121.53

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
g 1220mm i/d P.T. sewer										
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*79.00/12*41.00/12 = 22.493 Cft (-) Sewer Portion (-) 1*22/7*(70/12)2*1/4*1/2 = 13.368 Cft Net = 22.493 - 13.368 = 9.125 Cft Or 0.258 Cum.								
				Cum.	25.800	1683.63	43437.65			
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*53.50*9/12*24 = 5.254 Cft. Or 0.149 Cum.								
				Cum.	14.900	2445.08	36431.69			
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*64*6/12*12 = 8.381 Cft. Or 0.237 Cum.								
				Cum.	23.700	2485.08	58896.40			
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*74.50*0.50*9/24*12 = 3.658 Cft. Or 0.104 Cum								
				Cum.	10.400	1920.54	19973.62			
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)								
				Sqm.	118.000	49.22	5807.96			
vi		Steel (Rate as per CSR item 18.18)								
				Qtl.	15.2880	4312.78	65933.78			
		Total - I					230481.10			
		Sundries @ 3% i.e. on Rs. 230481.1					6914.43			
		Add contractor's profit @ 10% i.e. on Rs. 237395.53					23739.55			
		Add Labour cess @ 1% i.e. on Rs. 261135.08					2611.35			
		Material cost for	30.48	Rmt			263746.43			
		Material cost for	1.00	Rmt			8653.10	8653.10		8653.10
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*79.00/12*41.00/12 = 22.493 Cft (-) Sewer Portion (-) 1*22/7*(70/12)2*1/4*1/2 = 13.368 Cft Net = 22.493 - 13.368 = 9.125 Cft Or 0.258 Cum.								
				Cum.	25.800	261.25	6740.25			
ii		Centring & Shuttering(as per sub analysis attached)								
				Sqm.	116.755	65.00	7589.06			
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*53.50*9/12*24 = 5.254 Cft. Or 0.149 Cum.								
				Cum.	14.900	425.47	6339.50			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*64*6/12*12 = 8.381 Cft. Or 0.237 Cum.			Cum.	23.700	734.64	17410.97				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*74.50*0.50*9/24*12 = 3.658 Cft. Or 0.104 Cum			Cum.	10.400	425.47	4424.89				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	118.000	44.52	5253.36				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	15.2880	289.03	4418.69				
		Total - II						52176.72				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 52176.72						1565.30				
		Add contractor's profit @ 21.50% i.e. on Rs. 53742.02						11554.53				
		Add Labour cess @ 1% i.e. on Rs. 65296.55						652.97				
		Labour for 30.48 Rmt	30.48	Rmt				65949.52				
		Labour for 1.00 Rmt	1.00	Rmt				2163.70	2163.70			2163.70
		Cost for 1.00 Rmt	1.00	Rmt					10816.80			
		Add 10% for sub mountainous region										216.37
		Labour for 1 Rmt	1	Rmt								2380.07
		Cost for 1 Rmt	1	Rmt								11033.17

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
h 1295mm i/d P.T. sewer										
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*82.00/12*42.50/12 = 24.201 Cft (-) Sewer Portion (-) 1*22/7*(73.00/12)2*1/4*1/2 = 14.538 Cft Net = 24.201 - 14.538 = 9.663 Cft Or 0.273 Cum.								
				Cum.	27.300	1683.63	45963.10			
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*56.50*9/12*24 = 5.549 Cft. Or 0.157 Cum.								
				Cum.	15.700	2445.08	38387.76			
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*67.00*6/12*12 = 8.774 Cft. Or 0.248 Cum.								
				Cum.	24.800	2485.08	61629.98			
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*77.50*0.50*9/24*12 = 3.805 Cft. Or 0.108 Cum								
				Cum.	10.800	1920.54	20741.83			
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)								
				Sqm.	125.300	49.22	6167.27			
vi		Steel (Rate as per CSR item 18.18)								
				Qtl.	16.0400	4312.78	69176.99			
		Total - I					242066.93			
		Sundries @ 3% i.e. on Rs. 242066.93					7262.01			
		Add contractor's profit @ 10% i.e. on Rs. 249328.94					24932.89			
		Add Labour cess @ 1% i.e. on Rs. 274261.83					2742.62			
		Material cost for	30.48	Rmt			277004.45			
		Material cost for	1.00	Rmt			9088.07	9088.07		9088.07
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*82.00/12*42.50/12 = 24.201 Cft (-) Sewer Portion (-) 1*22/7*(73.00/12)2*1/4*1/2 = 14.538 Cft Net = 24.201 - 14.538 = 9.663 Cft Or 0.273 Cum.								
				Cum.	27.300	261.25	7132.13			
ii		Centring & Shuttering(as per sub analysis attached)								
				Sqm.	124.052	65.00	8063.38			
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*56.50*9/12*24 = 5.549 Cft. Or 0.157 Cum.								
				Cum.	15.700	425.47	6679.88			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*67.00*6/12*12 = 8.774 Cft. Or 0.248 Cum.			Cum.	24.800	734.64	18219.07				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*77.50*0.50*9/24*12 = 3.805 Cft. Or 0.108 Cum			Cum.	10.800	425.47	4595.08				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	125.300	44.52	5578.36				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	16.0400	289.03	4636.04				
		Total - II						54903.94				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 54903.94						1647.12				
		Add contractor's profit @ 21.50% i.e. on Rs. 56551.06						12158.48				
		Add Labour cess @ 1% i.e. on Rs. 68709.54						687.10				
		Labour for 30.48 Rmt	30.48	Rmt				69396.64				
		Labour for 1.00 Rmt	1.00	Rmt				2276.79	2276.79			2276.79
		Cost for 1.00 Rmt	1.00	Rmt					11364.86			
		Add 10% for sub mountainous region										227.68
		Labour for 1 Rmt	1	Rmt								2504.47
		Cost for 1 Rmt	1	Rmt								11592.54

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i 1370mm i/d P.T. sewer										
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*85.00/12*44.00/12 = 25.972Cft (-) Sewer Portion (-) 1*22/7*(76.00/12)2*1/4*1/2 = 15.758 Cft Net = 25.972 - 15.758 = 5.883 Cft Or 0.289 Cum.								
					Cum.	28.900	1683.63	48656.91		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*59.50*9/12*24 = 5.843 Cft. Or 0.165 Cum.								
					Cum.	16.500	2445.08	40343.82		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*70.00*6/12*12 = 9.167 Cft. Or 0.259 Cum.								
					Cum.	25.900	2485.08	64363.57		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*80.50*0.50*9/24*12 = 3.953 Cft. Or 0.112 Cum								
					Cum.	11.200	1920.54	21510.05		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)								
					Sqm.	132.600	49.22	6526.57		
vi		Steel (Rate as per CSR item 18.18)								
					Qtl.	16.7920	4312.78	72420.20		
		Total - I						253821.12		
		Sundries @ 3% i.e. on Rs. 253821.12						7614.63		
		Add contractor's profit @ 10% i.e. on Rs. 261435.75						26143.58		
		Add Labour cess @ 1% i.e. on Rs. 287579.33						2875.79		
		Material cost for	30.48	Rmt				290455.12		
		Material cost for	1.00	Rmt				9529.37	9529.37	9529.37
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*85.00/12*44.00/12 = 25.972Cft (-) Sewer Portion (-) 1*22/7*(76.00/12)2*1/4*1/2 = 15.758 Cft Net = 25.972 - 15.758 = 5.883 Cft Or 0.289 Cum.								
					Cum.	28.900	261.25	7550.13		
ii		Centring & Shuttering(as per sub analysis attached)								
					Sqm.	131.349	65.00	8537.70		
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*59.50*9/12*24 = 5.843 Cft. Or 0.165 Cum.								
					Cum.	16.500	425.47	7020.26		

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*70.00*6/12*12 = 9.167 Cft. Or 0.259 Cum.			Cum.	25.900	734.64	19027.18				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*80.50*0.50*9/24*12 = 3.953 Cft. Or 0.112 Cum			Cum.	11.200	425.47	4765.26				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	132.600	44.52	5903.35				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	16.7920	289.03	4853.39				
		Total - II						57657.27				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 57657.27						1729.72				
		Add contractor's profit @ 21.50% i.e. on Rs. 59386.99						12768.20				
		Add Labour cess @ 1% i.e. on Rs. 72155.19						721.55				
		Labour for 30.48 Rmt	30.48	Rmt				72876.74				
		Labour for 1.00 Rmt	1.00	Rmt				2390.97	2390.97			2390.97
		Cost for 1.00 Rmt	1.00	Rmt					11920.34			
		Add 10% for sub mountainous region										239.10
		Labour for 1 Rmt	1	Rmt								2630.07
		Cost for 1 Rmt	1	Rmt								12159.44

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
j		1450mm i/d P.T. sewer								
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*88.00/12*45.50/12 = 27.806 Cft (-) Sewer Portion (-) 1*22/7*(79.00/12)2*1/4*1/2 = 17.027 Cft Net = 27.806 - 17.027 = 10.779 Cft Or 0.305 Cum.								
				Cum.	30.500	1683.63	51350.72			
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*62.50*9/12*24 = 6.138 Cft. Or 0.173 Cum.								
				Cum.	17.400	2445.08	42544.39			
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*73*6/12*12 = 9.560 Cft. Or 0.270 Cum.								
				Cum.	27.100	2485.08	67345.67			
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*83.50*0.50*9/24*12 = 4.100 Cft. Or 0.116 Cum								
				Cum.	11.600	1920.54	22278.26			
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)								
				Sqm.	139.900	49.22	6885.88			
vi		Steel (Rate as per CSR item 18.18)								
				Qtl.	17.5430	4312.78	75659.10			
		Total - I					266064.02			
		Sundries @ 3% i.e. on Rs. 266064.02					7981.92			
		Add contractor's profit @ 10% i.e. on Rs. 274045.94					27404.59			
		Add Labour cess @ 1% i.e. on Rs. 301450.53					3014.51			
		Material cost for	30.48	Rmt			304465.04			
		Material cost for	1.00	Rmt			9989.01	9989.01		9989.01
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*88.00/12*45.50/12 = 27.806 Cft (-) Sewer Portion (-) 1*22/7*(79.00/12)2*1/4*1/2 = 17.027 Cft Net = 27.806 - 17.027 = 10.779 Cft Or 0.305 Cum.								
				Cum.	30.500	261.25	7968.13			
ii		Centring & Shuttering(as per sub analysis attached)								
				Sqm.	138.646	65.00	9012.01			
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*62.50*9/12*24 = 6.138 Cft. Or 0.173 Cum.								
				Cum.	17.400	425.47	7403.18			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*73*6/12*12 = 9.560 Cft. Or 0.270 Cum.			Cum.	27.100	734.64	19908.74				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*83.50*0.50*9/24*12 = 4.100 Cft. Or 0.116 Cum			Cum.	11.600	425.47	4935.45				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	139.900	44.52	6228.35				
vii		Steel (Rate as per CSR item 18.18)			Qtl.	17.5430	289.03	5070.45				
		Total - II						60526.31				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 60526.31						1815.79				
		Add contractor's profit @ 21.50% i.e. on Rs. 62342.1						13403.55				
		Add Labour cess @ 1% i.e. on Rs. 75745.65						757.46				
		Labour for 30.48 Rmt	30.48	Rmt				76503.11				
		Labour for 1.00 Rmt	1.00	Rmt				2509.94	2509.94			2509.94
		Cost for 1.00 Rmt	1.00	Rmt					12498.95			
		Add 10% for sub mountainous region										250.99
		Labour for 1 Rmt	1	Rmt								2760.93
		Cost for 1 Rmt	1	Rmt								12749.94

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
k		1525mm i/d P.T. sewer								
		Unit :-	1	Rmt						
		Taking Output :-	30.48	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*91.00/12*47.00/12 = 29.701 Cft (-) Sewer Portion (-) 1*22/7*(82.00/12)2*1/4*1/2 = 18.377 Cft Net = 29.701 - 18.357 = 11.357 Cft Or 0.321 Cum.								
				Cum.	32.100	1683.63	54044.52			
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*65.50*9/12*24 = 6.433 Cft. Or 0.182 Cum.								
				Cum.	18.200	2445.08	44500.46			
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*76*6/12*12 = 9.952 Cft. Or 0.282 Cum.								
				Cum.	28.200	2485.08	70079.26			
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*86.50*0.50*9/24*12 = 4.248 Cft. Or 0.120 Cum								
				Cum.	12.000	1920.54	23046.48			
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)								
				Sqm.	14.720	49.22	724.52			
vi		Steel (Rate as per CSR item 18.18)								
				Qtl.	18.2000	4312.78	78492.60			
		Total - I					270887.84			
		Sundries @ 3% i.e. on Rs. 270887.84					8126.64			
		Add contractor's profit @ 10% i.e. on Rs. 279014.48					27901.45			
		Add Labour cess @ 1% i.e. on Rs. 306915.93					3069.16			
		Material cost for	30.48	Rmt			309985.09			
		Material cost for	1.00	Rmt			10170.11	10170.11		10170.11
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*91.00/12*47.00/12 = 29.701 Cft (-) Sewer Portion (-) 1*22/7*(82.00/12)2*1/4*1/2 = 18.377 Cft Net = 29.701 - 18.357 = 11.357 Cft Or 0.321 Cum.								
				Cum.	32.100	261.25	8386.13			
ii		Centring & Shuttering(as per sub analysis attached)								
				Sqm.	145.944	65.00	9486.33			
iii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*65.50*9/12*24 = 6.433 Cft. Or 0.182 Cum.								
				Cum.	18.200	425.47	7743.55			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iv		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*76*6/12*12 = 9.952 Cft. Or 0.282 Cum.	Cum.	28.200	734.64	20716.85				
v		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*86.50*0.50*9/24*12 = 4.248 Cft. Or 0.120 Cum	Cum.	12.000	425.47	5105.64				
vi		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	147.200	44.52	6553.34				
vii		Steel (Rate as per CSR item 18.18)	Qtl.	18.2000	289.03	5260.35				
		Total - II				63252.19				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 63252.19				1897.57				
		Add contractor's profit @ 21.50% i.e. on Rs. 65149.76				14007.20				
		Add Labour cess @ 1% i.e. on Rs. 79156.96				791.57				
		Labour for 30.48 Rmt				79948.53				
		Labour for 1.00 Rmt				2622.98	2622.98			2622.98
		Cost for 1.00 Rmt					12793.09			
		Add 10% for sub mountainous region								262.30
		Labour for 1 Rmt								2885.28
		Cost for 1 Rmt								13055.39

29.50		Construction of standard new Egg shaped Type sewers to contract drawing built upto 2/3rd height only (as construction in manhole lengths) upto 4 metres below G.L. including dressing of beds and sides of trenches to correct profiles, grades and alignments, lime concrete (as specified in item 10.3) or cement concrete 1:8:16 brick ballast 32mm gauge (item 10.45) in beds and sides with 1:3 cement sand collar joint not less than 12.50mm thick on side, 1:11/2:3 moulded cement concrete invert accurately finished with neat cement rendering face; specially hand moulded first class radiated brick work laid in 1:3 cement sand mortar in the sides of the sewer with the entire innersurface of the sewer rendered with neat cement not less than 12.50mm thick of 1:2 cement sand plaster and finished with a floating coat of neat cement left absolutely smooth, polished and correct to template, finished with two coats of sodium silicate where-ever required. The rates include the cost of accurately planned and fitted centring moulds and supports for all works, as well as all curves, bends falls and other special work and the cl	Deleted							
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Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.51		Construction of standard new egg shaped type sewers to contract drawings built upto 2/3rd Height only (as constructed in manhole length) as per described in item No. 29.50 above, But This provide cement concrete 1:8:16 with stone ballast of 32mm gauge in beds and sides in place of lime concrete in beds side in plains or sub-mountainous areas. Finished inside dimensions of egg-shaped sewer being :-			Deleted					
29.52		Extra over and above the rates for item Nos. 29.50 and 29.51 above for every additional 2 metres depth or part thereof for depths beyond 4 metres depth below ground level.			Deleted					

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		BRICK SEWER CIRCULAR NON PRESSURE								
29.53		Construction of brick circular non pressure type sewer to contract drawing upto 4 metres below G.L. including dressing of beds and side of trenches to exact profiles, grades and alignment; Lime concrete, cement concrete 1:8:16 with brick ballast in bed and sides (as per specified in item No. 10.03 and. 10.45 with 1:3 cement sand collar joint not less than 12.50mm thick on sides, fine lime concrete/ cement concrete 1:8:16 with brick ballast in haunches, (as per specified in item No. 10.4-10.44) 1:1,1/2:3 moulded cement concrete invert accurately finished with neat cement rendering face, specially hand moulded first class radiated brick work laid in 1:3 cement sand mortar in the inner arch rings of the sewers and specially hand moulded first class, radiated brick work laid in 1:4 Cement sand mortar in the outer arch rings of sewers laid over								
29.54		Construction of Brick Circular non pressure type sewers to contract drawings as per specified in item No. 29.53 above, but this provides cement concrete 1:8:16 with stone ballast of 32 mm gauge in beds and sides and 20 mm gauge in haunches in place of lime concrete in beds and sides and fine lime concrete in haunches in sub-mountainous or plain areas :-								
29.55		Extra over and above the rates for item Nos. 29.53 and 29.54 above for every additional 2 metres depth or part thereof for depths beyond 4 metres below ground level.								
29.56		Construction of brick circular non pressure type sewers to contract drawings built up one half height only (as constructed in manhole lengths) upto 4 metres below G.L. including dressing of beds and sides of trenches to exact profiles, grades and alignment, lime concrete /cement concrete 1:8:16 with brick ballast 32mm gauge in beds and sides (as per specified in item No. 10.3/10.45) with 1:3 cement sand collar joint not less than 12.50mm thick on side, 1:1½:3 moulded cement concrete invert, accurately finished with neat cement rendering face, specially hand moulded first class radiated brick work in 1:3 cement sand mortar in the inner arch rings of sewers upto one half with entire inner surface of the sewer rendered with neat cement not less than 12.50mm thickness 1:2 cement sand plaster and finished with a floating coat of neat cement left absolutely smooth, polished and correct to template finished with two coats of sodium silicate where ever required.								

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.57		Construction of Brick circular non pressure type sewers to contract drawing built up one half height only (as constructed in manhole lengths) as per described in item No. 29.56 above, but this provide cement concrete 1:8:16 with stone ballast of 32mm gauge in beds and sides in place of lime concrete in beds and sides in plain or sub-mountainous area.			Deleted					
29.58		Extra over and above the rates for item No. 29.56 and 29.57 above for every additional 2 metres depth or part thereof for depths beyond 4 metres below ground level.			Deleted					
29.59		Construction of R.C.C cum brick circular (pressure type) sewers to contract drawings upto 4 metres below ground level including dressing of beds and sides of trenches to exact profile, grades and alignment, Cement concrete of 1:2:4 mix in beds and sides (as per specified in item no. 10.11) R.C.C. ring of 1:2:4 mix having the reinforcement as shown in the contract drawings. 11.5cm thick first class specially hand moulded radiated brick work laid in 1:2 cement sand mortar for inner arch of the sewer and 11.5cm thick first class specially hand moulded radiated brick work laid in 1:5 cement sand mortar for protecting ring laid over the upper portion of the RCC ring. 12.50mm thick 1:2 cement sand plaster on the lower half portion of the sewer finished with a floating coat of neat cement left absolutely smooth, polished and correct to template, finished with two coats of sodium silicate where ever required.			Deleted					
29.60		Extra over and above the rates for item Nos. 29.59 above for Every additional 2 metres depth or part there of for depths beyond 4 metres below ground level :-			Deleted					
29.61		Construction of R.C.C cum brick circular pressure type sewers to contract drawing build up one half height only (as constructed in manhole lengths) upto 4 metres below ground level, including dressing of beds and sides of trenches to exact profiles, grades and alignment. Cement concrete of 1:2:4 mix in beds and sides (as per specified in item No. 10.11) R.C.C. ring of 1:2:4 mix upto half height of sewers having the reinforcement as shown in the contract drawing, 11.5cm thick first class specially hand moulded first class radiated brick work laid in 1:2 cement sand mortar for inner arch ring of the sewer upto half height. 12.50mm thick cement sand plaster on the entire lower portion of the sewer as shown in the contract drawing, finished with a floating coat of neat cement left accurately smooth, polished and correct to template, finished with two coats of sodium silicate where ever required.			Deleted					

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.62		Extra over and above the rates for item Nos. 29.61 above for every additional 2 metres depth or part there of for depths beyond 4 metres below ground level.			Deleted					

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.63		Providing, lowering, cutting & jointing salt Glazed Stone ware Pipes and Specials ISI marked as per IS 651-2007 class Sp-1 into Trenches for all depths and Laying out the same to correct alignment, Gradients, levels etc., In Trenches including all dressing and trimming of bed and sides of trenches, if required trimming and cutting of concrete beds and joints holes, supporting the pipes and specials, in correct position in a suitable rigid manner while the same are being jointed and until the surrounding benching, haunching and envelopes are completed. The sewer shall rest on the bed at every point through-out its length and to ensure this, it shall be grouted in without extra charge by the contractor with 1:3 cement sand mortar including jointing of pipes and specials in trenches, using cement sand mortar 1:1 and best white italian spun yarn, finishing and trowelling of each joint at an angle of 45degree with the longitudinal axes of pipe, watering, keeping the joint covered and wetted till the same are cured, testing the sewerage line for leakage and making all leakages and defects good as laid in the contract specification, chipping and finish								
a		100mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	40	m.						
I		Material								
i		Supply of S.W. Pipe including wastage and breakage 5%	m.	42.000	77.00	3234.00				
		Total - I				3234.00				
		Sundries @ 3% i.e. on Rs. 3234				97.02				
		Add contractor's profit @ 10% i.e. on Rs. 3331.02				333.10				
		Add Labour cess @ 1% i.e. on Rs. 3664.12				36.64				
		Material Cost for	40	m.		3700.76				
		Material Cost for	1	m.		92.52	92.52			92.52
		For Lowering in trench 100mm dia								
II		Labour								
		Taking output :-	40	m.						
i		Fitter Pipe (1st Class)	Each	1.000	223.36	223.36				
ii		Mazdoor (Skilled - Upper)	Each	3.000	164.69	494.07				
		Total - II				717.43				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Sundries @ 3% i.e. on Rs. 717.43				21.52				
		Add contractor's profit @ 21.50% i.e. on Rs. 738.95				158.87				
		Add Labour cess @ 1% i.e. on Rs. 897.82				8.98				
		Labour for 40 m.				906.80				
		Labour for 1 m.				22.67				
		For cutting S.W. Pipe 100mm dia Labour								
III		Taking Output :-	100	Cuts						
i		Fitter Pipe (1st Class)		Each	3.500	223.36	781.76			
ii						0.00				
		Total				781.76				
		Sundries @ 3% i.e. on Rs. 781.76				23.45				
		Add contractor's profit @ 21.50% i.e. on Rs. 805.21				173.12				
		Add Labour cess @ 1% i.e. on Rs. 978.33				9.78				
		Labour for 100 Cuts				988.11				
		Labour for 1 Cuts				9.88				
		For Jointing S.W. Pipe 100mm dia Labour								
IV		Taking Output :-	100	Joint s						
i		Cement bag of 50 Kg.		Each	2.000	262.27	524.54			
ii		Sand		Cum	0.070	200.59	14.04			
iii		Spun yarn		Kg.	4.540	72.00	326.88			
iv		Fitter Pipe (1st Class)		Each	1.250	223.36	279.20			
v		Mazdoor (Skilled - Upper)		Each	4.000	164.69	658.76			
vi		Bhishti		Each	2.000	173.76	347.52			
		Total				2150.94				
		Sundries @ 3% i.e. on Rs. 2150.94				64.53				
		Add contractor's profit @ 21.50% i.e. on Rs. 2215.47				476.33				
		Add Labour cess @ 1% i.e. on Rs. 2691.8				26.92				
		Labour for 100 Joint s				2718.72				
		Labour for 1 Joint s				27.19				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.								
		Stringing in trench per m.		m.	1.00	22.67	22.67			
		Cutting of pipe taking 10 cut per 100 m.		Each	0.10	9.88	0.99			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Jointig pipe taking 177 joint per 100 m.			Each	1.77	27.19	48.13				
		Labour For	1	m.				71.79	71.79			71.79
		Cost for	1	m.					164.31			
		Add 10% for sub mountainous region										7.18
		Labour for	1	m.								78.97
		Cost for	1	m.								171.49

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
b		150mm i/d pipe										
			Unit :-	1	m.							
			Taking output :-	40	m.							
I		Material										
i		Supply of S.W. Pipe including wastage and breakage 5%			m.	42.000	142.00	5964.00				
		Total - I						5964.00				
		Sundries @ 3% i.e. on Rs. 5964						178.92				
		Add contractor's profit @ 10% i.e. on Rs. 6142.92						614.29				
		Add Labour cess @ 1% i.e. on Rs. 6757.21						67.57				
			Material Cost for	40	m.			6824.78				
			Material Cost for	1	m.			170.62	170.62			170.62
		For lowering in trench 150mm dia										
II		Labour										
			Taking output :-	40	m.							
i		Fitter Pipe (1st Class)			Each	1.000	223.36	223.36				
ii		Mazdoor (Skilled - Upper)			Each	3.000	164.69	494.07				
		Total - II						717.43				
		Sundries @ 3% i.e. on Rs. 717.43						21.52				
		Add contractor's profit @ 21.50% i.e. on Rs. 738.95						158.87				
		Add Labour cess @ 1% i.e. on Rs. 897.82						8.98				
			Labour for	40	m.			906.80				
			Labour for	1	m.			22.67				
		For cutting S.W. Pipe 150mm dia										
III		Labour										
			Taking Output :-	100	Cuts							
i		Fitter Pipe (1st Class)			Each	3.500	223.36	781.76				
ii		Total						0.00				
		Sundries @ 3% i.e. on Rs. 781.76						23.45				
		Add contractor's profit @ 21.50% i.e. on Rs. 805.21						173.12				
		Add Labour cess @ 1% i.e. on Rs. 978.33						9.78				
			Labour for	100	Cuts			988.11				
			Labour for	1	Cuts			9.88				
		For Jointing S.W. Pipe 150mm dia										
IV		Labour										
			Taking Output :-	100	Joint s							

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	2.800	262.27	734.36				
ii		Sand			Cum	0.100	200.59	20.06				
iii		Spun yarn			Kg.	9.070	72.00	653.04				
iv		Fitter Pipe (1st Class)			Each	2.000	223.36	446.72				
v		Mazdoor (Skilled - Upper)			Each	6.000	164.69	988.14				
vi		Bhishti			Each	2.000	173.76	347.52				
		Total						3189.84				
		Sundries @ 3% i.e. on Rs. 3189.84						95.70				
		Add contractor's profit @ 21.50% i.e. on Rs. 3285.54						706.39				
		Add Labour cess @ 1% i.e. on Rs. 3991.93						39.92				
		Labour for	100	Joint s				4031.85				
		Labour for	1	Joint s				40.32				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	22.67	22.67				
		Cutting of pipe taking 10 cut per 100 m.			Each	0.10	9.88	0.99				
		Jointig pipe taking 177 joint per 100 m.			Each	1.77	40.32	71.37				
		Labour For	1	m.				95.03	95.03			95.03
		Cost for	1	m.					265.65			
		Add 10% for sub mountainous region										9.50
		Labour for	1	m.								104.53
		Cost for	1	m.								275.15

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
c		200mm i/d pipe										
			Unit :-	1	m.							
			Taking output :-	40	m.							
I		Material										
i		Supply of S.W. Pipe including wastage and breakage 5%			m.	42.000	171.00	7182.00				
		Total - I						7182.00				
		Sundries @ 3% i.e. on Rs. 7182						215.46				
		Add contractor's profit @ 10% i.e. on Rs. 7397.46						739.75				
		Add Labour cess @ 1% i.e. on Rs. 8137.21						81.37				
			Material Cost for	40	m.			8218.58				
			Material Cost for	1	m.			205.46	205.46			205.46
		For lowering in trench 200mm dia										
II		Labour										
			Taking output :-	40	m.							
i		Fitter Pipe (1st Class)			Each	1.000	223.36	223.36				
ii		Total - II						0.00				
		Sundries @ 3% i.e. on Rs. 223.36						223.36				
		Add contractor's profit @ 21.50% i.e. on Rs. 230.06						6.70				
		Add Labour cess @ 1% i.e. on Rs. 279.52						49.46				
			Labour for	40	m.			2.80				
			Labour for	1	m.			282.32				
		For cutting S.W. Pipe 200mm dia						7.06				
III		Labour										
			Taking Output :-	100	Cuts							
i		Fitter Pipe (1st Class)			Each	6.000	223.36	1340.16				
ii		Total						0.00				
		Sundries @ 3% i.e. on Rs. 1340.16						1340.16				
		Add contractor's profit @ 21.50% i.e. on Rs. 1380.36						40.20				
		Add Labour cess @ 1% i.e. on Rs. 1677.14						296.78				
			Labour for	100	Cuts			16.77				
			Labour for	1	Cuts			1693.91				
		For Jointing S.W. Pipe 200mm dia						16.94				
IV		Labour										
			Taking Output :-	100	Joint s							

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	3.650	262.27	957.29				
ii		Sand			Cum	0.130	200.59	26.08				
iii		Spun yarn			Kg.	12.250	72.00	882.00				
iv		Fitter Pipe (1st Class)			Each	3.000	223.36	670.08				
v		Mazdoor (Skilled - Upper)			Each	8.000	164.69	1317.52				
vi		Bhishti			Each	2.250	173.76	390.96				
		Total						4243.93				
		Sundries @ 3% i.e. on Rs. 4243.93						127.32				
		Add contractor's profit @ 21.50% i.e. on Rs. 4371.25						939.82				
		Add Labour cess @ 1% i.e. on Rs. 5311.07						53.11				
		Labour for	100	Joint s				5364.18				
		Labour for	1	Joint s				53.64				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	7.06	7.06				
		Cutting of pipe taking 10 cut per 100 m.			Each	0.10	16.94	1.69				
		Jointig pipe taking 177 joint per 100 m.			Each	1.77	53.64	94.94				
		Labour For	1	m.				103.69	103.69			103.69
		Cost for	1	m.					309.15			
		Add 10% for sub mountainous region										10.37
		Labour for	1	m.								114.06
		Cost for	1	m.								319.52

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
d		250mm i/d pipe										
			Unit :-	1	m.							
			Taking output :-	20	m.							
I		Material										
i		Supply of S.W. Pipe including wastage and breakage 5%			m.	21.000	264.00	5544.00				
		Total - I						5544.00				
		Sundries @ 3% i.e. on Rs. 5544						166.32				
		Add contractor's profit @ 10% i.e. on Rs. 5710.32						571.03				
		Add Labour cess @ 1% i.e. on Rs. 6281.35						62.81				
			Material Cost for	20	m.			6344.16				
			Material Cost for	1	m.			317.21	317.21			317.21
		For lowering in trench 250mm dia										
II		Labour										
			Taking output :-	20	m.							
i		Fitter Pipe (1st Class)			Each	1.000	223.36	223.36				
ii		Mazdoor (Skilled - Upper)			Each	3.000	164.69	494.07				
		Total - II						717.43				
		Sundries @ 3% i.e. on Rs. 717.43						21.52				
		Add contractor's profit @ 21.50% i.e. on Rs. 738.95						158.87				
		Add Labour cess @ 1% i.e. on Rs. 897.82						8.98				
			Labour for	20	m.			906.80				
			Labour for	1	m.			45.34				
		For cutting S.W. Pipe 250mm dia										
III		Labour										
			Taking Output :-	13	Cuts							
i		Fitter Pipe (1st Class)			Each	1.000	223.36	223.36				
ii		Total						0.00				
		Sundries @ 3% i.e. on Rs. 223.36						6.70				
		Add contractor's profit @ 21.50% i.e. on Rs. 230.06						49.46				
		Add Labour cess @ 1% i.e. on Rs. 279.52						2.80				
			Labour for	13	Cuts			282.32				
			Labour for	1	Cuts			21.72				
		For Jointing S.W. Pipe 250mm dia										
IV		Labour										
			Taking Output :-	100	Joint s							

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	5.000	262.27	1311.35				
ii		Sand			Cum	0.180	200.59	36.11				
iii		Spun yarn			Kg.	16.780	72.00	1208.16				
iv		Fitter Pipe (1st Class)			Each	4.750	223.36	1060.96				
v		Mazdoor (Skilled - Upper)			Each	12.000	164.69	1976.28				
vi		Bhishti			Each	2.750	173.76	477.84				
		Total						6070.70				
		Sundries @ 3% i.e. on Rs. 6070.7						182.12				
		Add contractor's profit @ 21.50% i.e. on Rs. 6252.82						1344.36				
		Add Labour cess @ 1% i.e. on Rs. 7597.18						75.97				
		Labour for	100	Joint s				7673.15				
		Labour for	1	Joint s				76.73				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	45.34	45.34				
		Cutting of pipe taking 10 cut per 100 m.			Each	0.10	21.72	2.17				
		Jointig pipe taking 177 joint per 100 m.			Each	1.77	76.73	135.81				
		Labour For	1	m.				183.32	183.32			183.32
		Cost for	1	m.					500.53			
		Add 10% for sub mountainous region										18.33
		Labour for	1	m.								201.65
		Cost for	1	m.								518.86

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
e		300mm i/d pipe										
			Unit :-	1	m.							
			Taking output :-	20	m.							
I		Material										
i		Supply of S.W. Pipe including wastage and breakage 5%			m.	21.000	400.00	8400.00				
		Total - I						8400.00				
		Sundries @ 3% i.e. on Rs. 8400						252.00				
		Add contractor's profit @ 10% i.e. on Rs. 8652						865.20				
		Add Labour cess @ 1% i.e. on Rs. 9517.2						95.17				
			Material Cost for	20	m.			9612.37				
			Material Cost for	1	m.			480.62	480.62			480.62
		For lowering in trench 300mm dia										
II		Labour										
			Taking output :-	20	m.							
i		Fitter Pipe (1st Class)			Each	1.000	223.36	223.36				
ii		Mazdoor (Skilled - Upper)			Each	3.000	164.69	494.07				
		Total - II						717.43				
		Sundries @ 3% i.e. on Rs. 717.43						21.52				
		Add contractor's profit @ 21.50% i.e. on Rs. 738.95						158.87				
		Add Labour cess @ 1% i.e. on Rs. 897.82						8.98				
			Labour for	20	m.			906.80				
			Labour for	1	m.			45.34				
		For cutting S.W. Pipe 300mm dia										
III		Labour										
			Taking Output :-	13	Cuts							
i		Fitter Pipe (1st Class)			Each	1.200	223.36	268.03				
ii		Total						0.00				
		Sundries @ 3% i.e. on Rs. 268.03						8.04				
		Add contractor's profit @ 21.50% i.e. on Rs. 276.07						59.36				
		Add Labour cess @ 1% i.e. on Rs. 335.43						3.35				
			Labour for	13	Cuts			338.78				
			Labour for	1	Cuts			26.06				
		For Jointing S.W. Pipe 300mm dia										
IV		Labour										
			Taking Output :-	100	Joint s							

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	6.000	262.27	1573.62				
ii		Sand			Cum	0.240	200.59	48.14				
iii		Spun yarn			Kg.	19.000	72.00	1368.00				
iv		Fitter Pipe (1st Class)			Each	6.000	223.36	1340.16				
v		Mazdoor (Skilled - Upper)			Each	15.000	164.69	2470.35				
vi		Bhishti			Each	3.000	173.76	521.28				
		Total						7321.55				
		Sundries @ 3% i.e. on Rs. 7321.55						219.65				
		Add contractor's profit @ 21.50% i.e. on Rs. 7541.2						1621.36				
		Add Labour cess @ 1% i.e. on Rs. 9162.56						91.63				
		Labour for	100	Joint s				9254.19				
		Labour for	1	Joint s				92.54				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	45.34	45.34				
		Cutting of pipe taking 10 cut per 100 m.			Each	0.10	26.06	2.61				
		Jointig pipe taking 177 joint per 100 m.			Each	1.77	92.54	163.80				
		Labour For	1	m.				211.75	211.75			211.75
		Cost for	1	m.				692.37				
		Add 10% for sub mountainous region										21.18
		Labour for	1	m.								232.93
		Cost for	1	m.								713.55

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
f		400mm i/d pipe										
			Unit :-	1	m.							
			Taking output :-	20	m.							
I		Material										
i		Supply of S.W. Pipe including wastage and breakage 5%			m.	21.000	1127.00	23667.00				
		Total - I						23667.00				
		Sundries @ 3% i.e. on Rs. 23667						710.01				
		Add contractor's profit @ 10% i.e. on Rs. 24377.01						2437.70				
		Add Labour cess @ 1% i.e. on Rs. 26814.71						268.15				
			Material Cost for	20	m.			27082.86				
			Material Cost for	1	m.			1354.14	1354.14			1354.14
		For lowering in trench 400mm dia										
II		Labour										
			Taking output :-	20	m.							
i		Fitter Pipe (1st Class)			Each	1.600	223.36	357.38				
ii		Total - II					164.69	0.00				
		Sundries @ 3% i.e. on Rs. 357.38						357.38				
		Add contractor's profit @ 21.50% i.e. on Rs. 368.1						10.72				
		Add Labour cess @ 1% i.e. on Rs. 447.24						79.14				
			Labour for	20	m.			4.47				
			Labour for	1	m.			451.71				
		For cutting S.W. Pipe 400mm dia						22.59				
III		Labour										
			Taking Output :-	13	Cuts							
i		Fitter Pipe (1st Class)			Each	1.250	223.36	279.20				
ii		Mazdoor (Skilled - Upper)			Each	0.750	164.69	123.52				
		Total						402.72				
		Sundries @ 3% i.e. on Rs. 402.72						12.08				
		Add contractor's profit @ 21.50% i.e. on Rs. 414.8						89.18				
		Add Labour cess @ 1% i.e. on Rs. 503.98						5.04				
			Labour for	13	Cuts			509.02				
			Labour for	1	Cuts			39.16				
		For Jointing S.W. Pipe 400mm dia										
IV		Labour										
			Taking Output :-	100	Joint s							

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	7.500	262.27	1967.03				
ii		Sand			Cum	0.300	200.59	60.18				
iii		Spun yarn			Kg.	25.000	72.00	1800.00				
iv		Fitter Pipe (1st Class)			Each	7.500	223.36	1675.20				
v		Mazdoor (Skilled - Upper)			Each	18.000	164.69	2964.42				
vi		Bhishti			Each	4.500	173.76	781.92				
		Total						9248.75				
		Sundries @ 3% i.e. on Rs. 9248.75						277.46				
		Add contractor's profit @ 21.50% i.e. on Rs. 9526.21						2048.14				
		Add Labour cess @ 1% i.e. on Rs. 11574.35						115.74				
		Labour for	100	Joint s				11690.09				
		Labour for	1	Joint s				116.90				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	22.59	22.59				
		Cutting of pipe taking 10 cut per 100 m.			Each	0.10	39.16	3.92				
		Jointig pipe taking 177 joint per 100 m.			Each	1.77	116.90	206.91				
		Labour For	1	m.				233.42	233.42			233.42
		Cost for	1	m.					1587.56			
		Add 10% for sub mountainous region										23.34
		Labour for	1	m.								256.76
		Cost for	1	m.								1610.90

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
g		450mm i/d pipe										
			Unit :-	1	m.							
			Taking output :-	20	m.							
I		Material										
i		Supply of S.W. Pipe including wastage and breakage 5%			m.	21.000	1583.00	33243.00				
		Total - I						33243.00				
		Sundries @ 3% i.e. on Rs. 33243						997.29				
		Add contractor's profit @ 10% i.e. on Rs. 34240.29						3424.03				
		Add Labour cess @ 1% i.e. on Rs. 37664.32						376.64				
			Material Cost for	15	m.			38040.96				
			Material Cost for	1	m.			2536.06	2536.06			2536.06
		For lowering in trench 450mm dia										
II		Labour										
			Taking output :-	20	m.							
i		Fitter Pipe (1st Class)			Each	1.000	223.36	223.36				
ii		Mazdoor (Skilled - Upper)			Each	5.000	164.69	823.45				
		Total - II						1046.81				
		Sundries @ 3% i.e. on Rs. 1046.81						31.40				
		Add contractor's profit @ 21.50% i.e. on Rs. 1078.21						231.82				
		Add Labour cess @ 1% i.e. on Rs. 1310.03						13.10				
			Labour for	15	m.			1323.13				
			Labour for	1	m.			88.21				
		For cutting S.W. Pipe 450mm dia										
III		Labour										
			Taking Output :-	13	Cuts							
i		Fitter Pipe (1st Class)			Each	1.500	223.36	335.04				
ii		Total						335.04				
		Sundries @ 3% i.e. on Rs. 335.04						10.05				
		Add contractor's profit @ 21.50% i.e. on Rs. 345.09						74.19				
		Add Labour cess @ 1% i.e. on Rs. 419.28						4.19				
			Labour for	13	Cuts			423.47				
			Labour for	1	Cuts			32.57				
		For Jointing S.W. Pipe 450mm dia										
IV		Labour										
			Taking Output :-	100	Joint s							

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	8.000	262.27	2098.16				
ii		Sand			Cum	0.280	200.59	56.17				
iii		Spun yarn			Kg.	28.120	72.00	2024.64				
iv		Fitter Pipe (1st Class)			Each	8.000	223.36	1786.88				
v		Mazdoor (Skilled - Upper)			Each	20.000	164.69	3293.80				
vi		Bhishti			Each	5.000	173.76	868.80				
		Total						10128.45				
		Sundries @ 3% i.e. on Rs. 10128.45						303.85				
		Add contractor's profit @ 21.50% i.e. on Rs. 10432.3						2242.94				
		Add Labour cess @ 1% i.e. on Rs. 12675.24						126.75				
		Labour for	100	Joint s				12801.99				
		Labour for	1	Joint s				128.02				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	88.21	88.21				
		Cutting of pipe taking 10 cut per 100 m.			Each	0.10	32.57	3.26				
		Jointig pipe taking 177 joint per 100 m.			Each	1.77	128.02	226.60				
		Labour For	1	m.				318.07	318.07			318.07
		Cost for	1	m.					2854.13			
		Add 10% for sub mountainous region										31.81
		Labour for	1	m.								349.88
		Cost for	1	m.								2885.94

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
h		500mm i/d pipe										
			Unit :-	1	m.							
			Taking output :-	15	m.							
I		Material										
i		Supply of S.W. Pipe including wastage and breakage 5%			m.	15.750	2287.00	36020.25				
		Total - I						36020.25				
		Sundries @ 3% i.e. on Rs. 36020.25						1080.61				
		Add contractor's profit @ 10% i.e. on Rs. 37100.86						3710.09				
		Add Labour cess @ 1% i.e. on Rs. 40810.95						408.11				
			Material Cost for	20	m.			41219.06				
			Material Cost for	1	m.			2060.95	2060.95			2060.95
		For lowering in trench 500mm dia										
II		Labour										
			Taking output :-	15	m.							
i		Fitter Pipe (1st Class)			Each	1.250	223.36	279.20				
ii		Mazdoor (Skilled - Upper)			Each	6.000	164.69	988.14				
		Total - II						1267.34				
		Sundries @ 3% i.e. on Rs. 1267.34						38.02				
		Add contractor's profit @ 21.50% i.e. on Rs. 1305.36						280.65				
		Add Labour cess @ 1% i.e. on Rs. 1586.01						15.86				
			Labour for	15	m.			1601.87				
			Labour for	1	m.			106.79				
		For cutting S.W. Pipe 500mm dia										
III		Labour										
			Taking Output :-	13	Cuts							
i		Fitter Pipe (1st Class)			Each	2.000	223.36	446.72				
ii		Total						446.72				
		Sundries @ 3% i.e. on Rs. 446.72						13.40				
		Add contractor's profit @ 21.50% i.e. on Rs. 460.12						98.93				
		Add Labour cess @ 1% i.e. on Rs. 559.05						5.59				
			Labour for	13	Cuts			564.64				
			Labour for	1	Cuts			43.43				
		For Jointing S.W. Pipe 500mm dia										
IV		Labour										
			Taking Output :-	100	Joint s							

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	9.500	262.27	2491.57				
ii		Sand			Cum	0.400	200.59	80.24				
iii		Spun yarn			Kg.	32.000	72.00	2304.00				
iv		Fitter Pipe (1st Class)			Each	10.500	223.36	2345.28				
v		Mazdoor (Skilled - Upper)			Each	22.000	164.69	3623.18				
vi		Bhishti			Each	5.500	173.76	955.68				
		Total						11799.95				
		Sundries @ 3% i.e. on Rs. 11799.95						354.00				
		Add contractor's profit @ 21.50% i.e. on Rs. 12153.95						2613.10				
		Add Labour cess @ 1% i.e. on Rs. 14767.05						147.67				
		Labour for	100	Joint s				14914.72				
		Labour for	1	Joint s				149.15				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	106.79	106.79				
		Cutting of pipe taking 10 cut per 100 m.			Each	0.10	43.43	4.34				
		Jointig pipe taking 177 joint per 100 m.			Each	1.77	149.15	264.00				
		Labour For	1	m.				375.13	375.13			375.13
		Cost for	1	m.					2436.08			
		Add 10% for sub mountainous region										37.51
		Labour for	1	m.								412.64
		Cost for	1	m.								2473.59

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		550mm i/d pipe										
			Unit :-	1	m.							
			Taking output :-	20	m.							
I		Material										
i		Supply of S.W. Pipe including wastage and breakage 5%			m.	21.000	2990.00	62790.00				
		Total - I						62790.00				
		Sundries @ 3% i.e. on Rs. 62790						1883.70				
		Add contractor's profit @ 10% i.e. on Rs. 64673.7						6467.37				
		Add Labour cess @ 1% i.e. on Rs. 71141.07						711.41				
			Material Cost for	20	m.			71852.48				
			Material Cost for	1	m.			3592.62	3592.62			3592.62
		For stringing out in trench 550mm dia										
II		Labour										
			Taking output :-	15	m.							
i		Fitter Pipe (1st Class)			Each	1.400	223.36	312.70				
ii		Mazdoor (Skilled - Upper)			Each	7.000	164.69	1152.83				
		Total - II						1465.53				
		Sundries @ 3% i.e. on Rs. 1465.53						43.97				
		Add contractor's profit @ 21.50% i.e. on Rs. 1509.5						324.54				
		Add Labour cess @ 1% i.e. on Rs. 1834.04						18.34				
			Labour for	15	m.			1852.38				
			Labour for	1	m.			123.49				
		For cutting S.W. Pipe 550mm dia										
III		Labour										
			Taking Output :-	13	Cuts							
i		Fitter Pipe (1st Class)			Each	2.000	223.36	446.72				
ii		Total						0.00				
		Sundries @ 3% i.e. on Rs. 446.72						13.40				
		Add contractor's profit @ 21.50% i.e. on Rs. 460.12						98.93				
		Add Labour cess @ 1% i.e. on Rs. 559.05						5.59				
			Labour for	13	Cuts			564.64				
			Labour for	1	Cuts			43.43				
		For Jointing S.W. Pipe 550mm dia										
IV		Labour										
			Taking Output :-	100	Joint s							

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	10.500	262.27	2753.84				
ii		Sand			Cum	0.450	200.59	90.27				
iii		Spun yarn			Kg.	35.000	72.00	2520.00				
iv		Fitter Pipe (1st Class)			Each	10.000	223.36	2233.60				
v		Mazdoor (Skilled - Upper)			Each	24.000	164.69	3952.56				
vi		Bhishti			Each	6.000	173.76	1042.56				
		Total						12592.83				
		Sundries @ 3% i.e. on Rs. 12592.83						377.78				
		Add contractor's profit @ 21.50% i.e. on Rs. 12970.61						2788.68				
		Add Labour cess @ 1% i.e. on Rs. 15759.29						157.59				
		Labour for	100	Joint s				15916.88				
		Labour for	1	Joint s				159.17				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	123.49	123.49				
		Cutting of pipe taking 10 cut per 100 m.			Each	0.10	43.43	4.34				
		Jointig pipe taking 177 joint per 100 m.			Each	1.77	159.17	281.73				
		Labour For	1	m.				409.56	409.56			409.56
		Cost for	1	m.					4002.18			
		Add 10% for sub mountainous region										40.96
		Labour for	1	m.								450.52
		Cost for	1	m.								4043.14

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
j		600mm i/d pipe										
			Unit :-	1	m.							
			Taking output :-	20	m.							
I		Material										
i		Supply of S.W. Pipe including wastage and breakage 5%			m.	21.000	3693.00	77553.00				
		Total - I						77553.00				
		Sundries @ 3% i.e. on Rs. 77553						2326.59				
		Add contractor's profit @ 10% i.e. on Rs. 79879.59						7987.96				
		Add Labour cess @ 1% i.e. on Rs. 87867.55						878.68				
			Material Cost for	20	m.			88746.23				
			Material Cost for	1	m.			4437.31	4437.31			4437.31
		For lowering in trench 600mm dia										
II		Labour										
			Taking output :-	20	m.							
i		Fitter Pipe (1st Class)			Each	1.500	223.36	335.04				
ii		Total - II						0.00				
		Sundries @ 3% i.e. on Rs. 335.04						335.04				
		Add contractor's profit @ 21.50% i.e. on Rs. 345.09						10.05				
		Add Labour cess @ 1% i.e. on Rs. 419.28						74.19				
			Labour for	20	m.			4.19				
			Labour for	1	m.			423.47				
		For cutting S.W. Pipe 600mm dia						21.17				
III		Labour										
			Taking Output :-	13	Cuts							
i		Fitter Pipe (1st Class)			Each	2.250	223.36	502.56				
ii		Mazdoor (Skilled - Upper)			Each	2.000	164.69	329.38				
		Total						831.94				
		Sundries @ 3% i.e. on Rs. 831.94						24.96				
		Add contractor's profit @ 21.50% i.e. on Rs. 856.9						184.23				
		Add Labour cess @ 1% i.e. on Rs. 1041.13						10.41				
			Labour for	13	Cuts			1051.54				
			Labour for	1	Cuts			80.89				
		For Jointing S.W. Pipe 600mm dia										
IV		Labour										
			Taking Output :-	100	Joints							

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	11.500	262.27	3016.11				
ii		Sand			Cum	0.500	200.59	100.30				
iii		Spun yarn			Kg.	37.000	72.00	2664.00				
iv		Fitter Pipe (1st Class)			Each	11.000	223.36	2456.96				
v		Mazdoor (Skilled - Upper)			Each	26.000	164.69	4281.94				
vi		Bhishti			Each	6.500	173.76	1129.44				
		Total						13648.75				
		Sundries @ 3% i.e. on Rs. 13648.75						409.46				
		Add contractor's profit @ 21.50% i.e. on Rs. 14058.21						3022.52				
		Add Labour cess @ 1% i.e. on Rs. 17080.73						170.81				
		Labour for	100	Joint s				17251.54				
		Labour for	1	Joint s				172.52				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	21.17	21.17				
		Cutting of pipe taking 10 cut per 100 m.			Each	0.10	80.89	8.09				
		Jointig pipe taking 177 joint per 100 m.			Each	1.77	172.52	305.36				
		Labour For	1	m.				334.62	334.62			334.62
		Cost for	1	m.					4771.93			
		Add 10% for sub mountainous region										33.46
		Labour for	1	m.								368.08
		Cost for	1	m.								4805.39

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
	29.64	Jointing and fixing salt glazed stone ware pipes and specials in trenches, using cement sand mortar 1:1 and best white Italian Tarred Hemp Yarn including finishing and trowelling of each joint at an angle of 45 degree with the longitudinal axis of the pipes, watering, keeping the joints covered and wetted till the same are cured, testing the sewer lines for leakage and making all leakages and defects good, complete as laid down in the contract specifications :-			DELETED, merged in 29.63 & replaced with new					

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.64		Providing, Lowering, jointing and cutting of Plain and Reinforced Cement Concrete spigot and socketed Pipes and Specials with inside H.D.P.E. lining ISI markd as per IS code IS 458-2003 into Trenches for all Depths and Laying out the same to correct alignment, gradients, levels etc. including all dressing and trimming and cutting of concrete beds and joints holes, supporting the pipes and specials in correct position in a suitable rigid manner while the same are being jointed and until the surrounding benchings, haunches and envelopes are completed. The pipes shall rest on the beds at all joints through their lengths and to ensure this, they shall be grouted in where necessary including jointing the socketed pipe with cement sand mortar 1:1 after stretching and fixing of rubber ring, facing, troweling and finishing the joints at an angle of 45 degree, keeping the joint covered and wetted till the same are cured, testing the pipes for leakage and making good the same leakage and all defects to the entire satisfaction of the Engineer-in-charge including all cartage etc.								
A		R.C.C. pipe with inside H.D.P.E. lining class- NP-3								
a		400mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1100.00	34650.00			
		Total - I					34650.00			
		Sundries @ 3% i.e. on Rs. 34650					1039.50			
		Add contractor's profit @ 10% i.e. on Rs. 35689.5					3568.95			
		Add Labour cess @ 1% i.e. on Rs. 39258.45					392.58			
		Material Cost for	30	m.			39651.03			
		Material Cost for	1	m.			1321.70			1321.70
		For lowering in trench 400mm dia		Having weight	8.39	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15				491.74				
		Add Labour cess @ 1% i.e. on Rs. 2778.89				27.79				
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 400mm i/d	1	m.	Having wt. in MT	0.28	145.53			
		For cutting R.C.C. Pipe 400mm dia			Having o/d in mm	507				
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (1st Class)			Each	1.375	223.36	307.12		
ii										
		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 400mm i/d	1	Cuts	Having o/d in mm	507	47.71			
		For Jointing R.C.C. Pipe 400mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						
i		Cement bag of 50 Kg.			Each	8.230	262.27	2158.48		
ii		Sand			Cum	0.360	200.59	72.21		
iii		Spun yarn			Kg.	43.000	72.00	3096.00		
iv		Fitter Pipe (1st Class)			Each	18.000	223.36	4020.48		
v		Mazdoor (Skilled - Upper)			Each	30.000	164.69	4940.70		
vi		Bhishti			Each	10.000	173.76	1737.60		
		Total					16025.47			
		Sundries @ 3% i.e. on Rs. 16025.47					480.76			
		Add contractor's profit @ 21.50% i.e. on Rs. 16506.23					3548.84			
		Add Labour cess @ 1% i.e. on Rs. 20055.07					200.55			
		Labour for	100	Joint s			20255.62			
		Labour for	1	Joint s			202.56			
		Labour for Stringing / Laying in trenched , cutting and jointing complete.								
		Stringing in trench per m.		m.	1.00	145.53	145.53			
		Cutting of pipe taking 7 cut per 100 m.		Each	0.07	47.71	3.34			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	202.56	95.20				
		Labour For	1	m.				244.07	244.07			244.07
		Cost for	1	m.					1565.77			
		Add 10% for sub mountainous region										24.41
		Labour for	1	m.								268.48
		Cost for	1	m.								1590.18

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		450mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1690.00	53235.00			
		Total - I					53235.00			
		Sundries @ 3% i.e. on Rs. 53235					1597.05			
		Add contractor's profit @ 10% i.e. on Rs. 54832.05					5483.21			
		Add Labour cess @ 1% i.e. on Rs. 60315.26					603.15			
		Material Cost for	30	m.			60918.41			
		Material Cost for	1	m.			2030.61	2030.61		2030.61
		For lowering in trench 450mm dia		Having weight	9.27	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 450mm i/d	1	m.	Having wt. in MT	0.31	161.12			
		For cutting R.C.C. Pipe 450mm dia		Having o/d in mm	560					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 450mm i/d	1	Cuts	Having o/d in mm	560	52.70			
		For Jointing R.C.C. Pipe 450mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	12.890	262.27	3380.66				
ii		Sand			Cum	0.563	200.59	112.93				
iii		Spun yarn			Kg.	77.000	72.00	5544.00				
iv		Fitter Pipe (1st Class)			Each	15.000	223.36	3350.40				
v		Mazdoor (Skilled - Upper)			Each	40.000	164.69	6587.60				
vi		Bhishti			Each	12.000	173.76	2085.12				
		Total						21060.71				
		Sundries @ 3% i.e. on Rs. 21060.71						631.82				
		Add contractor's profit @ 21.50% i.e. on Rs. 21692.53						4663.89				
		Add Labour cess @ 1% i.e. on Rs. 26356.42						263.56				
		Labour for	100	Joint s				26619.98				
		Labour for	1	Joint s				266.20				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	161.12	161.12				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	52.70	3.69				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	266.20	125.11				
		Labour For	1	m.				289.92	289.92			289.92
		Cost for	1	m.					2320.53			
		Add 10% for sub mountainous region										28.99
		Labour for	1	m.								318.91
		Cost for	1	m.								2349.52

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c		500mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1944.00	61236.00			
		Total - I					61236.00			
		Sundries @ 3% i.e. on Rs. 61236					1837.08			
		Add contractor's profit @ 10% i.e. on Rs. 63073.08					6307.31			
		Add Labour cess @ 1% i.e. on Rs. 69380.39					693.80			
		Material Cost for	30	m.			70074.19			
		Material Cost for	1	m.			2335.81	2335.81		2335.81
		For stringing out in trench 500mm dia		Having weight	10.14	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt. in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 500mm i/d	1	m.	Having wt. in MT	0.34	176.72			
		For cutting R.C.C. Pipe 500mm dia		Having o/d in mm	610					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 500mm i/d	1	Cuts	Having o/d in mm	610	57.40			
		For Jointing R.C.C. Pipe 500mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	14.060	262.27	3687.52				
ii		Sand			Cum	0.614	200.59	123.16				
iii		Spun yarn			Kg.	84.000	72.00	6048.00				
iv		Fitter Pipe (1st Class)			Each	17.000	223.36	3797.12				
v		Mazdoor (Skilled - Upper)			Each	50.000	164.69	8234.50				
vi		Bhishti			Each	13.000	173.76	2258.88				
		Total						24149.18				
		Sundries @ 3% i.e. on Rs. 24149.18						724.48				
		Add contractor's profit @ 21.50% i.e. on Rs. 24873.66						5347.84				
		Add Labour cess @ 1% i.e. on Rs. 30221.5						302.22				
		Labour for	100	Joint s				30523.72				
		Labour for	1	Joint s				305.24				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	176.72	176.72				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	57.40	4.02				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	305.24	143.46				
		Labour For	1	m.				324.20	324.20			324.20
		Cost for	1	m.					2660.01			
		Add 10% for sub mountainous region										32.42
		Labour for	1	m.								356.62
		Cost for	1	m.								2692.43

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d		600mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	2405.00	75757.50			
		Total - I					75757.50			
		Sundries @ 3% i.e. on Rs. 75757.5					2272.73			
		Add contractor's profit @ 10% i.e. on Rs. 78030.23					7803.02			
		Add Labour cess @ 1% i.e. on Rs. 85833.25					858.33			
		Material Cost for	30	m.			86691.58			
		Material Cost for	1	m.			2889.72	2889.72		2889.72
		For lowering in trench 600mm dia		Having weight	12.81	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 600mm i/d	1	m.	Having wt. in MT	0.43	223.49			
		For cutting R.C.C. Pipe 600mm dia		Having o/d in mm	720					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 600mm i/d	1	Cuts	Having o/d in mm	720	67.76			
		For Jointing R.C.C. Pipe 600mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	18.510	262.27	4854.62				
ii		Sand			Cum	0.806	200.59	161.68				
iii		Spun yarn			Kg.	100.000	72.00	7200.00				
iv		Fitter Pipe (1st Class)			Each	19.000	223.36	4243.84				
v		Mazdoor (Skilled - Upper)			Each	60.000	164.69	9881.40				
vi		Bhishti			Each	14.000	173.76	2432.64				
		Total						28774.18				
		Sundries @ 3% i.e. on Rs. 28774.18						863.23				
		Add contractor's profit @ 21.50% i.e. on Rs. 29637.41						6372.04				
		Add Labour cess @ 1% i.e. on Rs. 36009.45						360.09				
		Labour for	100	Joint s				36369.54				
		Labour for	1	Joint s				363.70				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	223.49	223.49				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	67.76	4.74				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	363.70	170.94				
		Labour For	1	m.				399.17	399.17			399.17
		Cost for	1	m.					3288.89			
		Add 10% for sub mountainous region										39.92
		Labour for	1	m.								439.09
		Cost for	1	m.								3328.81

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
e		700mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	3315.00	104422.50			
		Total - I					104422.50			
		Sundries @ 3% i.e. on Rs. 104422.5					3132.68			
		Add contractor's profit @ 10% i.e. on Rs. 107555.18					10755.52			
		Add Labour cess @ 1% i.e. on Rs. 118310.7					1183.11			
		Material Cost for	30	m.			119493.81			
		Material Cost for	1	m.			3983.13	3983.13		3983.13
		For lowering in trench 700mm dia		Having weight	14.70	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 700mm i/d	1	m.	Having wt. in MT	0.49	254.68			
		For cutting R.C.C. Pipe 700mm dia		Having o/d in mm	825					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					307.12			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					9.21			
		Add Labour cess @ 1% i.e. on Rs. 384.34					68.01			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 700mm i/d	1	Cuts	Having o/d in mm	825	77.64			
		For Jointing R.C.C. Pipe 700mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	21.030	262.27	5515.54				
ii		Sand			Cum	0.919	200.59	184.34				
iii		Spun yarn			Kg.	113.000	72.00	8136.00				
iv		Fitter Pipe (1st Class)			Each	20.000	223.36	4467.20				
v		Mazdoor (Skilled - Upper)			Each	70.000	164.69	11528.30				
vi		Bhishti			Each	15.000	173.76	2606.40				
		Total						32437.78				
		Sundries @ 3% i.e. on Rs. 32437.78						973.13				
		Add contractor's profit @ 21.50% i.e. on Rs. 33410.91						7183.35				
		Add Labour cess @ 1% i.e. on Rs. 40594.26						405.94				
		Labour for	100	Joint s				41000.20				
		Labour for	1	Joint s				410.00				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	254.68	254.68				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	77.64	5.43				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	410.00	192.70				
		Labour For	1	m.				452.81	452.81			452.81
		Cost for	1	m.					4435.94			
		Add 10% for sub mountainous region										45.28
		Labour for	1	m.								498.09
		Cost for	1	m.								4481.22

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
f		800mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	4005.00	126157.50			
		Total - I					126157.50			
		Sundries @ 3% i.e. on Rs. 126157.5					3784.73			
		Add contractor's profit @ 10% i.e. on Rs. 129942.23					12994.22			
		Add Labour cess @ 1% i.e. on Rs. 142936.45					1429.36			
		Material Cost for	30	m.			144365.81			
		Material Cost for	1	m.			4812.19	4812.19		4812.19
		For lowering in trench 800mm dia		Having weight	18.87	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 800mm i/d	1	m.	Having wt. in MT	0.63	327.45			
		For cutting R.C.C. Pipe 800mm dia		Having o/d in mm	935					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 800mm i/d	1	Cuts	Having o/d in mm	935	87.99			
		For Jointing R.C.C. Pipe 800mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	26.400	262.27	6923.93				
ii		Sand			Cum	1.155	200.59	231.68				
iii		Spun yarn			Kg.	129.000	72.00	9288.00				
iv		Fitter Pipe (1st Class)			Each	24.000	223.36	5360.64				
v		Mazdoor (Skilled - Upper)			Each	80.000	164.69	13175.20				
vi		Bhishti			Each	16.000	173.76	2780.16				
		Total						37759.61				
		Sundries @ 3% i.e. on Rs. 37759.61						1132.79				
		Add contractor's profit @ 21.50% i.e. on Rs. 38892.4						8361.87				
		Add Labour cess @ 1% i.e. on Rs. 47254.27						472.54				
		Labour for	100	Joint s				47726.81				
		Labour for	1	Joint s				477.27				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	327.45	327.45				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	87.99	6.16				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	477.27	224.32				
		Labour For	1	m.				557.93	557.93			557.93
		Cost for	1	m.					5370.12			
		Add 10% for sub mountainous region										55.79
		Labour for	1	m.								613.72
		Cost for	1	m.								5425.91

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
g		900mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	4650.00	146475.00			
		Total - I					146475.00			
		Sundries @ 3% i.e. on Rs. 146475					4394.25			
		Add contractor's profit @ 10% i.e. on Rs. 150869.25					15086.93			
		Add Labour cess @ 1% i.e. on Rs. 165956.18					1659.56			
		Material Cost for	30	m.			167615.74			
		Material Cost for	1	m.			5587.19	5587.19		5587.19
		For lowering in trench 900mm dia		Having weight	23.58	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 900mm i/d	1	m.	Having wt. in MT	0.79	410.61			
		For cutting R.C.C. Pipe 900mm dia		Having o/d in mm	1050					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 900mm i/d	1	Cuts	Having o/d in mm	1050	98.81			
		For Jointing R.C.C. Pipe 900mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	32.570	262.27	8542.13				
ii		Sand			Cum	1.426	200.59	286.04				
iii		Spun yarn			Kg.	145.000	72.00	10440.00				
iv		Fitter Pipe (1st Class)			Each	27.000	223.36	6030.72				
v		Mazdoor (Skilled - Upper)			Each	90.000	164.69	14822.10				
vi		Bhishti			Each	17.000	173.76	2953.92				
		Total						43074.91				
		Sundries @ 3% i.e. on Rs. 43074.91						1292.25				
		Add contractor's profit @ 21.50% i.e. on Rs. 44367.16						9538.94				
		Add Labour cess @ 1% i.e. on Rs. 53906.1						539.06				
		Labour for	100	Joint s				54445.16				
		Labour for	1	Joint s				544.45				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	410.61	410.61				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	98.81	6.92				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	544.45	255.89				
		Labour For	1	m.				673.42	673.42			673.42
		Cost for	1	m.					6260.61			
		Add 10% for sub mountainous region										67.34
		Labour for	1	m.								740.76
		Cost for	1	m.								6327.95

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
h		1000mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	5330.00	167895.00			
		Total - I					167895.00			
		Sundries @ 3% i.e. on Rs. 167895					5036.85			
		Add contractor's profit @ 10% i.e. on Rs. 172931.85					17293.19			
		Add Labour cess @ 1% i.e. on Rs. 190225.04					1902.25			
		Material Cost for	30	m.			192127.29			
		Material Cost for	1	m.			6404.24	6404.24		6404.24
		For lowering in trench 1000mm dia		Having weight	25.89	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 1000mm i/d	1	m.	Having wt. in MT	0.86	446.99			
		For cutting R.C.C. Pipe 1000mm dia		Having o/d in mm	1155					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1000mm i/d	1	Cuts	Having o/d in mm	1155	108.69			
		For Jointing R.C.C. Pipe 1000mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	39.710	262.27	10414.74				
ii		Sand			Cum	1.786	200.59	358.25				
iii		Spun yarn			Kg.	161.000	72.00	11592.00				
iv		Fitter Pipe (1st Class)			Each	30.000	223.36	6700.80				
v		Mazdoor (Skilled - Upper)			Each	100.000	164.69	16469.00				
vi		Bhishti			Each	18.000	173.76	3127.68				
		Total						48662.47				
		Sundries @ 3% i.e. on Rs. 48662.47						1459.87				
		Add contractor's profit @ 21.50% i.e. on Rs. 50122.34						10776.30				
		Add Labour cess @ 1% i.e. on Rs. 60898.64						608.99				
		Labour for	100	Joint s				61507.63				
		Labour for	1	Joint s				615.08				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	446.99	446.99				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	108.69	7.61				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	615.08	289.09				
		Labour For	1	m.				743.69	743.69			743.69
		Cost for	1	m.					7147.93			
		Add 10% for sub mountainous region										74.37
		Labour for	1	m.								818.06
		Cost for	1	m.								7222.30

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i		1100mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	6500.00	204750.00			
		Total - I					204750.00			
		Sundries @ 3% i.e. on Rs. 204750					6142.50			
		Add contractor's profit @ 10% i.e. on Rs. 210892.5					21089.25			
		Add Labour cess @ 1% i.e. on Rs. 231981.75					2319.82			
		Material Cost for	30	m.			234301.57			
		Material Cost for	1	m.			7810.05	7810.05		7810.05
		For lowering in trench 1100mm dia		Having weight	33.00	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 1100mm i/d	1	m.	Having wt. in MT	1.10	571.73			
		For cutting R.C.C. Pipe 1100mm dia		Having o/d in mm	1275					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1100mm i/d	1	Cuts	Having o/d in mm	1275	119.98			
		For Jointing R.C.C. Pipe 1100mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	47.770	262.27	12528.64				
ii		Sand			Cum	2.089	200.59	419.03				
iii		Spun yarn			Kg.	176.000	72.00	12672.00				
iv		Fitter Pipe (1st Class)			Each	35.000	223.36	7817.60				
v		Mazdoor (Skilled - Upper)			Each	110.000	164.69	18115.90				
vi		Bhishti			Each	19.000	173.76	3301.44				
		Total						54854.61				
		Sundries @ 3% i.e. on Rs. 54854.61						1645.64				
		Add contractor's profit @ 21.50% i.e. on Rs. 56500.25						12147.55				
		Add Labour cess @ 1% i.e. on Rs. 68647.8						686.48				
		Labour for	100	Joint s				69334.28				
		Labour for	1	Joint s				693.34				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	571.73	571.73				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	119.98	8.40				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	693.34	325.87				
		Labour For	1	m.				906.00	906.00			906.00
		Cost for	1	m.				8716.05				
		Add 10% for sub mountainous region										90.60
		Labour for	1	m.								996.60
		Cost for	1	m.								8806.65

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
j		1200mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	7150.00	225225.00			
		Total - I					225225.00			
		Sundries @ 3% i.e. on Rs. 225225					6756.75			
		Add contractor's profit @ 10% i.e. on Rs. 231981.75					23198.18			
		Add Labour cess @ 1% i.e. on Rs. 255179.93					2551.80			
		Material Cost for	30	m.			257731.73			
		Material Cost for	1	m.			8591.06	8591.06		8591.06
		For lowering in trench 1200mm dia		Having weight	35.70	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 1200mm i/d	1	m.	Having wt. in MT	1.19	618.51			
		For cutting R.C.C. Pipe 1200mm dia		Having o/d in mm	1380					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1200mm i/d	1	Cuts	Having o/d in mm	1380	129.86			
		For Jointing R.C.C. Pipe 1200mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	56.890	262.27	14920.54				
ii		Sand			Cum	2.489	200.59	499.27				
iii		Spun yarn			Kg.	192.000	72.00	13824.00				
iv		Fitter Pipe (1st Class)			Each	37.000	223.36	8264.32				
v		Mazdoor (Skilled - Upper)			Each	120.000	164.69	19762.80				
vi		Bhishti			Each	20.000	173.76	3475.20				
		Total						60746.13				
		Sundries @ 3% i.e. on Rs. 60746.13						1822.38				
		Add contractor's profit @ 21.50% i.e. on Rs. 62568.51						13452.23				
		Add Labour cess @ 1% i.e. on Rs. 76020.74						760.21				
		Labour for	100	Joint s				76780.95				
		Labour for	1	Joint s				767.81				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	618.51	618.51				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	129.86	9.09				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	767.81	360.87				
		Labour For	1	m.				988.47	988.47			988.47
		Cost for	1	m.					9579.53			
		Add 10% for sub mountainous region										98.85
		Labour for	1	m.								1087.32
		Cost for	1	m.								9678.38

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
B		R.C.C. pipe with inside H.D.P.E. lining class- NP-4								
a		400mm i/d pipe with inside H.D.P.E. lining								
		Unit :- 1 m.								
		Taking output :- 30 m.								
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%	m.	31.500	1150.00	36225.00				
		Total - I				36225.00				
		Sundries @ 3% i.e. on Rs. 36225				1086.75				
		Add contractor's profit @ 10% i.e. on Rs. 37311.75				3731.18				
		Add Labour cess @ 1% i.e. on Rs. 41042.93				410.43				
		Material Cost for 30 m.				41453.36				
		Material Cost for 1 m.				1381.78	1381.78			1381.78
		For lowering in trench 400mm dia		Having weight 8.39 MT						
II		Labour								
		Taking output for 600mm i/d :- 30 m.		Having wt. in MT 5.40						
i		Fitter Pipe (Ist Class)	Each	0.250	223.36	55.84				
ii		Mazdoor (Skilled - Upper)	Each	1.000	164.69	164.69				
iii		Provision for crane of 35 Tonne	Each	0.500	4000.00	2000.00				
		Total - II				2220.53				
		Sundries @ 3% i.e. on Rs. 2220.53				66.62				
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15				491.74				
		Add Labour cess @ 1% i.e. on Rs. 2778.89				27.79				
		Labour for 600mm i/d 30 m.		Having wt. in MT 5.40		2806.68				
		Labour for 400mm i/d 1 m.		Having wt. in MT 0.28		145.53				
		For cutting R.C.C. Pipe 400mm dia		Having o/d in mm 507						
III		Labour								
		Taking Output for 225 i/d :- 15 Cuts		Having o/d in mm 275						
i		Fitter Pipe (Ist Class)	Each	1.375	223.36	307.12				
ii						0.00				
		Total				307.12				
		Sundries @ 3% i.e. on Rs. 307.12				9.21				
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33				68.01				
		Add Labour cess @ 1% i.e. on Rs. 384.34				3.84				
		Labour for 225 mm i/d 15 Cuts		Having o/d in mm 275		388.18				
		Labour for 400mm i/d 1 Cuts		Having o/d in mm 507		47.71				
IV		For Jointing R.C.C. Pipe 400mm dia								
		Labour								

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Taking Output :-								
			100	Joint s						
i		Cement bag of 50 Kg.		Each	8.230	262.27	2158.48			
ii		Sand		Cum	0.360	200.59	72.21			
iii		Spun yarn		Kg.	43.000	72.00	3096.00			
iv		Fitter Pipe (1st Class)		Each	18.000	223.36	4020.48			
v		Mazdoor (Skilled - Upper)		Each	30.000	164.69	4940.70			
vi		Bhishti		Each	10.000	173.76	1737.60			
		Total					16025.47			
		Sundries @ 3% i.e. on Rs. 16025.47					480.76			
		Add contractor's profit @ 21.50% i.e. on Rs. 16506.23					3548.84			
		Add Labour cess @ 1% i.e. on Rs. 20055.07					200.55			
		Labour for	100	Joint s			20255.62			
		Labour for	1	Joint s			202.56			
		Labour for Stringing / Laying in trenched , cutting and jointing complete.								
		Stringing in trench per m.		m.	1.00	145.53	145.53			
		Cutting of pipe taking 7 cut per 100 m.		Each	0.07	47.71	3.34			
		Jointig pipe taking 47 joint per 100 m.		Each	0.47	202.56	95.20			
		Labour For	1	m.			244.07	244.07		244.07
		Cost for	1	m.			1625.85			
		Add 10% for sub mountainous region								24.41
		Labour for	1	m.						268.48
		Cost for	1	m.						1650.26

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		450mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1860.00	58590.00			
		Total - I					58590.00			
		Sundries @ 3% i.e. on Rs. 58590					1757.70			
		Add contractor's profit @ 10% i.e. on Rs. 60347.7					6034.77			
		Add Labour cess @ 1% i.e. on Rs. 66382.47					663.82			
		Material Cost for	30	m.			67046.29			
		Material Cost for	1	m.			2234.88	2234.88		2234.88
		For lowering in trench 450mm dia		Having weight	9.27	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 450mm i/d	1	m.	Having wt. in MT	0.31	161.12			
		For cutting R.C.C. Pipe 450mm dia		Having o/d in mm	560					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 450mm i/d	1	Cuts	Having o/d in mm	560	52.70			
		For Jointing R.C.C. Pipe 450mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	12.890	262.27	3380.66				
ii		Sand			Cum	0.563	200.59	112.93				
iii		Spun yarn			Kg.	77.000	72.00	5544.00				
iv		Fitter Pipe (1st Class)			Each	15.000	223.36	3350.40				
v		Mazdoor (Skilled - Upper)			Each	40.000	164.69	6587.60				
vi		Bhishti			Each	12.000	173.76	2085.12				
		Total						21060.71				
		Sundries @ 3% i.e. on Rs. 21060.71						631.82				
		Add contractor's profit @ 21.50% i.e. on Rs. 21692.53						4663.89				
		Add Labour cess @ 1% i.e. on Rs. 26356.42						263.56				
		Labour for	100	Joint s				26619.98				
		Labour for	1	Joint s				266.20				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	161.12	161.12				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	52.70	3.69				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	266.20	125.11				
		Labour For	1	m.				289.92	289.92			289.92
		Cost for	1	m.					2524.80			
		Add 10% for sub mountainous region										28.99
		Labour for	1	m.								318.91
		Cost for	1	m.								2553.79

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c		500mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	2145.00	67567.50			
		Total - I					67567.50			
		Sundries @ 3% i.e. on Rs. 67567.5					2027.03			
		Add contractor's profit @ 10% i.e. on Rs. 69594.53					6959.45			
		Add Labour cess @ 1% i.e. on Rs. 76553.98					765.54			
		Material Cost for	30	m.			77319.52			
		Material Cost for	1	m.			2577.32	2577.32		2577.32
		For lowering in trench 500mm dia		Having weight	10.14	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 500mm i/d	1	m.	Having wt. in MT	0.34	176.72			
		For cutting R.C.C. Pipe 500mm dia		Having o/d in mm	610					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 500mm i/d	1	Cuts	Having o/d in mm	610	57.40			
		For Jointing R.C.C. Pipe 500mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	14.060	262.27	3687.52				
ii		Sand			Cum	0.614	200.59	123.16				
iii		Spun yarn			Kg.	84.000	72.00	6048.00				
iv		Fitter Pipe (1st Class)			Each	17.000	223.36	3797.12				
v		Mazdoor (Skilled - Upper)			Each	50.000	164.69	8234.50				
vi		Bhishti			Each	13.000	173.76	2258.88				
		Total						24149.18				
		Sundries @ 3% i.e. on Rs. 24149.18						724.48				
		Add contractor's profit @ 21.50% i.e. on Rs. 24873.66						5347.84				
		Add Labour cess @ 1% i.e. on Rs. 30221.5						302.22				
		Labour for	100	Joint s				30523.72				
		Labour for	1	Joint s				305.24				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	176.72	176.72				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	57.40	4.02				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	305.24	143.46				
		Labour For	1	m.				324.20	324.20			324.20
		Cost for	1	m.					2901.52			
		Add 10% for sub mountainous region										32.42
		Labour for	1	m.								356.62
		Cost for	1	m.								2933.94

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d		600mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	2645.00	83317.50			
		Total - I					83317.50			
		Sundries @ 3% i.e. on Rs. 83317.5					2499.53			
		Add contractor's profit @ 10% i.e. on Rs. 85817.03					8581.70			
		Add Labour cess @ 1% i.e. on Rs. 94398.73					943.99			
		Material Cost for	30	m.			95342.72			
		Material Cost for	1	m.			3178.09	3178.09		3178.09
		For lowering in trench 600mm dia		Having weight	12.81	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 600mm i/d	1	m.	Having wt. in MT	0.43	223.49			
		For cutting R.C.C. Pipe 600mm dia		Having o/d in mm	720					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 600mm i/d	1	Cuts	Having o/d in mm	720	67.76			
		For Jointing R.C.C. Pipe 600mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	18.510	262.27	4854.62				
ii		Sand			Cum	0.806	200.59	161.68				
iii		Spun yarn			Kg.	100.000	72.00	7200.00				
iv		Fitter Pipe (1st Class)			Each	19.000	223.36	4243.84				
v		Mazdoor (Skilled - Upper)			Each	60.000	164.69	9881.40				
vi		Bhishti			Each	14.000	173.76	2432.64				
		Total						28774.18				
		Sundries @ 3% i.e. on Rs. 28774.18						863.23				
		Add contractor's profit @ 21.50% i.e. on Rs. 29637.41						6372.04				
		Add Labour cess @ 1% i.e. on Rs. 36009.45						360.09				
		Labour for	100	Joint s				36369.54				
		Labour for	1	Joint s				363.70				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	223.49	223.49				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	67.76	4.74				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	363.70	170.94				
		Labour For	1	m.				399.17	399.17			399.17
		Cost for	1	m.					3577.26			
		Add 10% for sub mountainous region										39.92
		Labour for	1	m.								439.09
		Cost for	1	m.								3617.18

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
e		700mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	3645.00	114817.50			
		Total - I					114817.50			
		Sundries @ 3% i.e. on Rs. 114817.5					3444.53			
		Add contractor's profit @ 10% i.e. on Rs. 118262.03					11826.20			
		Add Labour cess @ 1% i.e. on Rs. 130088.23					1300.88			
		Material Cost for	30	m.			131389.11			
		Material Cost for	1	m.			4379.64	4379.64		4379.64
		For lowering in trench 700mm dia		Having weight	14.70	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt. in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 700mm i/d	1	m.	Having wt. in MT	0.49	254.68			
		For cutting R.C.C. Pipe 700mm dia		Having o/d in mm	825					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					307.12			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					9.21			
		Add Labour cess @ 1% i.e. on Rs. 384.34					68.01			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 700mm i/d	1	Cuts	Having o/d in mm	825	77.64			
		For Jointing R.C.C. Pipe 700mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	21.030	262.27	5515.54				
ii		Sand			Cum	0.919	200.59	184.34				
iii		Spun yarn			Kg.	113.000	72.00	8136.00				
iv		Fitter Pipe (1st Class)			Each	20.000	223.36	4467.20				
v		Mazdoor (Skilled - Upper)			Each	70.000	164.69	11528.30				
vi		Bhishti			Each	15.000	173.76	2606.40				
		Total						32437.78				
		Sundries @ 3% i.e. on Rs. 32437.78						973.13				
		Add contractor's profit @ 21.50% i.e. on Rs. 33410.91						7183.35				
		Add Labour cess @ 1% i.e. on Rs. 40594.26						405.94				
		Labour for	100	Joint s				41000.20				
		Labour for	1	Joint s				410.00				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	254.68	254.68				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	77.64	5.43				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	410.00	192.70				
		Labour For	1	m.				452.81	452.81			452.81
		Cost for	1	m.					4832.45			
		Add 10% for sub mountainous region										45.28
		Labour for	1	m.								498.09
		Cost for	1	m.								4877.73

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
f		800mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	4600.00	144900.00			
		Total - I					144900.00			
		Sundries @ 3% i.e. on Rs. 144900					4347.00			
		Add contractor's profit @ 10% i.e. on Rs. 149247					14924.70			
		Add Labour cess @ 1% i.e. on Rs. 164171.7					1641.72			
		Material Cost for	30	m.			165813.42			
		Material Cost for	1	m.			5527.11	5527.11		5527.11
		For stringing out in trench 800mm dia		Having weight	18.87	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt. in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 800mm i/d	1	m.	Having wt. in MT	0.63	327.45			
		For cutting R.C.C. Pipe 800mm dia		Having o/d in mm	935					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 800mm i/d	1	Cuts	Having o/d in mm	935	87.99			
		For Jointing R.C.C. Pipe 800mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	26.400	262.27	6923.93				
ii		Sand			Cum	1.155	200.59	231.68				
iii		Spun yarn			Kg.	129.000	72.00	9288.00				
iv		Fitter Pipe (1st Class)			Each	24.000	223.36	5360.64				
v		Mazdoor (Skilled - Upper)			Each	80.000	164.69	13175.20				
vi		Bhishti			Each	16.000	173.76	2780.16				
		Total						37759.61				
		Sundries @ 3% i.e. on Rs. 37759.61						1132.79				
		Add contractor's profit @ 21.50% i.e. on Rs. 38892.4						8361.87				
		Add Labour cess @ 1% i.e. on Rs. 47254.27						472.54				
		Labour for	100	Joint s				47726.81				
		Labour for	1	Joint s				477.27				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	327.45	327.45				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	87.99	6.16				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	477.27	224.32				
		Labour For	1	m.				557.93	557.93			557.93
		Cost for	1	m.					6085.04			
		Add 10% for sub mountainous region										55.79
		Labour for	1	m.								613.72
		Cost for	1	m.								6140.83

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
g		900mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	5330.00	167895.00			
		Total - I					167895.00			
		Sundries @ 3% i.e. on Rs. 167895					5036.85			
		Add contractor's profit @ 10% i.e. on Rs. 172931.85					17293.19			
		Add Labour cess @ 1% i.e. on Rs. 190225.04					1902.25			
		Material Cost for	30	m.			192127.29			
		Material Cost for	1	m.			6404.24	6404.24		6404.24
		For lowering in trench 900mm dia		Having weight	23.58	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 900mm i/d	1	m.	Having wt. in MT	0.79	410.61			
		For cutting R.C.C. Pipe 900mm dia		Having o/d in mm	1050					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 900mm i/d	1	Cuts	Having o/d in mm	1050	98.81			
		For Jointing R.C.C. Pipe 900mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	32.570	262.27	8542.13				
ii		Sand			Cum	1.426	200.59	286.04				
iii		Spun yarn			Kg.	145.000	72.00	10440.00				
iv		Fitter Pipe (1st Class)			Each	27.000	223.36	6030.72				
v		Mazdoor (Skilled - Upper)			Each	90.000	164.69	14822.10				
vi		Bhishti			Each	17.000	173.76	2953.92				
		Total						43074.91				
		Sundries @ 3% i.e. on Rs. 43074.91						1292.25				
		Add contractor's profit @ 21.50% i.e. on Rs. 44367.16						9538.94				
		Add Labour cess @ 1% i.e. on Rs. 53906.1						539.06				
		Labour for	100	Joint s				54445.16				
		Labour for	1	Joint s				544.45				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	410.61	410.61				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	98.81	6.92				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	544.45	255.89				
		Labour For	1	m.				673.42	673.42			673.42
		Cost for	1	m.					7077.66			
		Add 10% for sub mountainous region										67.34
		Labour for	1	m.								740.76
		Cost for	1	m.								7145.00

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
h		1000mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	6110.00	192465.00			
		Total - I					192465.00			
		Sundries @ 3% i.e. on Rs. 192465					5773.95			
		Add contractor's profit @ 10% i.e. on Rs. 198238.95					19823.90			
		Add Labour cess @ 1% i.e. on Rs. 218062.85					2180.63			
		Material Cost for	30	m.			220243.48			
		Material Cost for	1	m.			7341.45	7341.45		7341.45
		For lowering in trench 1000mm dia		Having weight	25.89	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 1000mm i/d	1	m.	Having wt. in MT	0.86	446.99			
		For cutting R.C.C. Pipe 1000mm dia		Having o/d in mm	1155					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1000mm i/d	1	Cuts	Having o/d in mm	1155	108.69			
		For Jointing R.C.C. Pipe 1000mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	39.710	262.27	10414.74				
ii		Sand			Cum	1.786	200.59	358.25				
iii		Spun yarn			Kg.	161.000	72.00	11592.00				
iv		Fitter Pipe (1st Class)			Each	30.000	223.36	6700.80				
v		Mazdoor (Skilled - Upper)			Each	100.000	164.69	16469.00				
vi		Bhishti			Each	18.000	173.76	3127.68				
		Total						48662.47				
		Sundries @ 3% i.e. on Rs. 48662.47						1459.87				
		Add contractor's profit @ 21.50% i.e. on Rs. 50122.34						10776.30				
		Add Labour cess @ 1% i.e. on Rs. 60898.64						608.99				
		Labour for	100	Joint s				61507.63				
		Labour for	1	Joint s				615.08				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	446.99	446.99				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	108.69	7.61				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	615.08	289.09				
		Labour For	1	m.				743.69	743.69			743.69
		Cost for	1	m.					8085.14			
		Add 10% for sub mountainous region										74.37
		Labour for	1	m.								818.06
		Cost for	1	m.								8159.51

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i		1100mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	7475.00	235462.50			
		Total - I					235462.50			
		Sundries @ 3% i.e. on Rs. 235462.5					7063.88			
		Add contractor's profit @ 10% i.e. on Rs. 242526.38					24252.64			
		Add Labour cess @ 1% i.e. on Rs. 266779.02					2667.79			
		Material Cost for	30	m.			269446.81			
		Material Cost for	1	m.			8981.56	8981.56		8981.56
		For lowering in trench 1100mm dia		Having weight	33.00	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 1100mm i/d	1	m.	Having wt. in MT	1.10	571.73			
		For cutting R.C.C. Pipe 1100mm dia		Having o/d in mm	1275					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1100mm i/d	1	Cuts	Having o/d in mm	1275	119.98			
		For Jointing R.C.C. Pipe 1100mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	47.770	262.27	12528.64				
ii		Sand			Cum	2.089	200.59	419.03				
iii		Spun yarn			Kg.	176.000	72.00	12672.00				
iv		Fitter Pipe (1st Class)			Each	35.000	223.36	7817.60				
v		Mazdoor (Skilled - Upper)			Each	110.000	164.69	18115.90				
vi		Bhishti			Each	19.000	173.76	3301.44				
		Total						54854.61				
		Sundries @ 3% i.e. on Rs. 54854.61						1645.64				
		Add contractor's profit @ 21.50% i.e. on Rs. 56500.25						12147.55				
		Add Labour cess @ 1% i.e. on Rs. 68647.8						686.48				
		Labour for	100	Joint s				69334.28				
		Labour for	1	Joint s				693.34				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	571.73	571.73				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	119.98	8.40				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	693.34	325.87				
		Labour For	1	m.				906.00	906.00			906.00
		Cost for	1	m.				9887.56				
		Add 10% for sub mountainous region										90.60
		Labour for	1	m.								996.60
		Cost for	1	m.								9978.16

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
j		1200mm i/d pipe with inside H.D.P.E. lining								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	8225.00	259087.50			
		Total - I					259087.50			
		Sundries @ 3% i.e. on Rs. 259087.5					7772.63			
		Add contractor's profit @ 10% i.e. on Rs. 266860.13					26686.01			
		Add Labour cess @ 1% i.e. on Rs. 293546.14					2935.46			
		Material Cost for	30	m.			296481.60			
		Material Cost for	1	m.			9882.72	9882.72		9882.72
		For lowering in trench 1200mm dia		Having weight	35.70	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2220.53			
		Sundries @ 3% i.e. on Rs. 2220.53					66.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 2287.15					491.74			
		Add Labour cess @ 1% i.e. on Rs. 2778.89					27.79			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	2806.68			
		Labour for 1200mm i/d	1	m.	Having wt. in MT	1.19	618.51			
		For cutting R.C.C. Pipe 1200mm dia		Having o/d in mm	1380					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1200mm i/d	1	Cuts	Having o/d in mm	1380	129.86			
		For Jointing R.C.C. Pipe 1200mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	56.890	262.27	14920.54				
ii		Sand			Cum	2.489	200.59	499.27				
iii		Spun yarn			Kg.	192.000	72.00	13824.00				
iv		Fitter Pipe (1st Class)			Each	37.000	223.36	8264.32				
v		Mazdoor (Skilled - Upper)			Each	120.000	164.69	19762.80				
vi		Bhishti			Each	20.000	173.76	3475.20				
		Total						60746.13				
		Sundries @ 3% i.e. on Rs. 60746.13						1822.38				
		Add contractor's profit @ 21.50% i.e. on Rs. 62568.51						13452.23				
		Add Labour cess @ 1% i.e. on Rs. 76020.74						760.21				
		Labour for	100	Joint s				76780.95				
		Labour for	1	Joint s				767.81				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	618.51	618.51				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	129.86	9.09				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	767.81	360.87				
		Labour For	1	m.				988.47	988.47			988.47
		Cost for	1	m.					10871.19			
		Add 10% for sub mountainous region										98.85
		Labour for	1	m.								1087.32
		Cost for	1	m.								10970.04

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
	29.65	Cutting glazed stone ware pipe and specials chipping and finishing the cut surface to a uniform finish and roughing the part of the pipes, if any entering the sockets of the adjacent pipes complete, to the satisfaction of the Engineer-In-Charge of the works :-	DELETED, merged in 29.63 & replaced with new							

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.65		Providing, Stringing out U.P.V.C. Pipes casting as per IS:15328-2003 class-SN-8 along the trenches and laying the same in Trenches to correct alignment and gradients, cutting and jointing including cost of specials complete as per specifications.								
a		110mm o/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
(I)		Material								
(i)		Supply of PVC Pipe including wastage and breakage 5%	m.	31.50	250.00	7875.00				
		Total - I				7875.00				
		Sundries @ 3% i.e. on Rs. 7875				236.25				
		Add contractor's profit @ 10% i.e. on Rs. 8111.25				811.13				
		Add Labour cess @ 1% i.e. on Rs. 8922.38				89.22				
		Material Cost for	30	m.		9011.60				
		Material Cost for	1	m.		300.39	300.39			300.39
		For stringing out in trench 110mm dia								
(II)		Labour								
		Taking output :-	30	m.						
(i)		Fitter Pipe (1st Class)	Each	0.25	223.36	55.84				
(ii)		Mazdoor Skilled (Fitter)	Each	0.25	164.69	41.17				
(iii)		Mazdoor (Skilled - Upper)	Each	0.125	164.69	20.59				
		Total - II				117.60				
		Sundries @ 3% i.e. on Rs. 117.6				3.53				
		Add contractor's profit @ 21.50% i.e. on Rs. 121.13				26.04				
		Add Labour cess @ 1% i.e. on Rs. 147.17				1.47				
		Labour for	30	m.		148.64				
		Labour for	1	m.		4.95				
		For cutting PVC Pipe 110mm dia								
		Labour								
		Taking Output :-	100	Cuts						
(i)		Fitter Pipe (1st Class)	Each	2.25	223.36	502.56				
(ii)		Mazdoor Skilled (Fitter)	Each	2.25	164.69	370.55				
		Total				873.11				
		Sundries @ 3% i.e. on Rs. 873.11				26.19				
		Add contractor's profit @ 21.50% i.e. on Rs. 899.3				193.35				
		Add Labour cess @ 1% i.e. on Rs. 1092.65				10.93				
		Labour for	100	Cuts		1103.58				
		Labour for	1	Cuts		11.04				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		For Jointing PVC Pipe 110mm dia										
		Labour										
		Taking Output :-										
			16	Joint s								
(i)		Fitter Pipe (1st Class)			Each	0.500	223.36	111.68				
(ii)		Mazdoor Skilled (Fitter)			Each	0.500	164.69	82.35				
		Total						194.03				
		Sundries @ 3% i.e. on Rs. 194.03						5.82				
		Add contractor's profit @ 21.50% i.e. on Rs. 199.85						42.97				
		Add Labour cess @ 1% i.e. on Rs. 242.82						2.43				
		Labour for	16	Joint s				245.25				
		Labour for	1	Joint s				15.33				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	4.95	4.95				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	11.04	0.77				
		Jointig pipe taking 24 joint per 100 m.			Each	0.24	15.33	3.68				
		Labour For	1	m.				9.40	9.40			9.40
		Cost for	1	m.					309.79			
		Add 10% for sub mountainous region										0.94
		Labour for	1	m.								10.34
		Cost for	1	m.								310.73

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
b		125mm o/d pipe										
			Unit :-	1	m.							
			Taking output :-	30	m.							
(I)		Material										
(i)		Supply of PVC Pipe including wastage and breakage 5%			m.	31.50	321.00	10111.50				
		Total - I						10111.50				
		Sundries @ 3% i.e. on Rs. 10111.5						303.35				
		Add contractor's profit @ 10% i.e. on Rs. 10414.85						1041.49				
		Add Labour cess @ 1% i.e. on Rs. 11456.34						114.56				
			Material Cost for	30	m.			11570.90				
			Material Cost for	1	m.			385.70	385.70			385.70
		For stringing out in trench 125mm dia										
(II)		Labour										
			Taking output :-	30	m.							
(i)		Fitter Pipe (1st Class)			Each	0.25	223.36	55.84				
(ii)		Mazdoor Skilled (Fitter)			Each	0.25	164.69	41.17				
(iii)		Mazdoor (Skilled - Upper)			Each	0.125	164.69	20.59				
		Total - II						117.60				
		Sundries @ 3% i.e. on Rs. 117.6						3.53				
		Add contractor's profit @ 21.50% i.e. on Rs. 121.13						26.04				
		Add Labour cess @ 1% i.e. on Rs. 147.17						1.47				
			Labour for	30	m.			148.64				
			Labour for	1	m.			4.95				
		For cutting PVC Pipe 125mm dia										
		Labour										
			Taking Output :-	100	Cuts							
(i)		Fitter Pipe (1st Class)			Each	2.50	223.36	558.40				
(ii)		Mazdoor Skilled (Fitter)			Each	2.50	164.69	411.73				
		Total						970.13				
		Sundries @ 3% i.e. on Rs. 970.13						29.10				
		Add contractor's profit @ 21.50% i.e. on Rs. 999.23						214.83				
		Add Labour cess @ 1% i.e. on Rs. 1214.06						12.14				
			Labour for	100	Cuts			1226.20				
			Labour for	1	Cuts			12.26				
		For Jointing PVC Pipe 125mm dia										
		Labour										
			Taking Output :-	16	Joint s							

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
(i)		Fitter Pipe (1st Class)			Each	0.500	223.36	111.68				
(ii)		Mazdoor Skilled (Fitter)			Each	0.500	164.69	82.35				
		Total						194.03				
		Sundries @ 3% i.e. on Rs. 194.03						5.82				
		Add contractor's profit @ 21.50% i.e. on Rs. 199.85						42.97				
		Add Labour cess @ 1% i.e. on Rs. 242.82						2.43				
		Labour for	16	Joints				245.25				
		Labour for	1	Joints				15.33				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	4.95	4.95				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	12.26	0.86				
		Jointing pipe taking 24 joint per 100 m.			Each	0.24	15.33	3.68				
		Labour For	1	m.				9.49	9.49			9.49
		Cost for	1	m.					395.19			
		Add 10% for sub mountainous region										0.95
		Labour for	1	m.								10.44
		Cost for	1	m.								396.14

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
c		160mm o/d pipe										
			Unit :-	1	m.							
			Taking output :-	30	m.							
(I)		Material										
(i)		Supply of PVC Pipe including wastage and breakage 5%			m.	31.50	516.00	16254.00				
		Total - I						16254.00				
		Sundries @ 3% i.e. on Rs. 16254						487.62				
		Add contractor's profit @ 10% i.e. on Rs. 16741.62						1674.16				
		Add Labour cess @ 1% i.e. on Rs. 18415.78						184.16				
			Material Cost for	30	m.			18599.94				
			Material Cost for	1	m.			620.00	620.00			620.00
		For stringing out in trench 160mm dia										
(II)		Labour										
			Taking output :-	30	m.							
(i)		Fitter Pipe (Ist Class)			Each	0.333	223.36	74.38				
(ii)		Mazdoor Skilled (Fitter)			Each	0.333	164.69	54.84				
(iii)		Mazdoor (Skilled - Upper)			Each	0.167	164.69	27.50				
		Total - II						156.72				
		Sundries @ 3% i.e. on Rs. 156.72						4.70				
		Add contractor's profit @ 21.50% i.e. on Rs. 161.42						34.71				
		Add Labour cess @ 1% i.e. on Rs. 196.13						1.96				
			Labour for	30	m.			198.09				
			Labour for	1	m.			6.60				
		For cutting PVC Pipe 160mm dia										
		Labour										
			Taking Output :-	100	Cuts							
(i)		Fitter Pipe (Ist Class)			Each	3.00	223.36	670.08				
(ii)		Mazdoor Skilled (Fitter)			Each	3.00	164.69	494.07				
		Total						1164.15				
		Sundries @ 3% i.e. on Rs. 1164.15						34.92				
		Add contractor's profit @ 21.50% i.e. on Rs. 1199.07						257.80				
		Add Labour cess @ 1% i.e. on Rs. 1456.87						14.57				
			Labour for	100	Cuts			1471.44				
			Labour for	1	Cuts			14.71				
		For Jointing PVC Pipe 160mm dia										
		Labour										
			Taking Output :-	12	Joint s							

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
(i)		Fitter Pipe (1st Class)			Each	0.500	223.36	111.68				
(ii)		Mazdoor Skilled (Fitter)			Each	0.500	164.69	82.35				
		Total						194.03				
		Sundries @ 3% i.e. on Rs. 194.03						5.82				
		Add contractor's profit @ 21.50% i.e. on Rs. 199.85						42.97				
		Add Labour cess @ 1% i.e. on Rs. 242.82						2.43				
		Labour for	12	Joints				245.25				
		Labour for	1	Joints				20.44				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	6.60	6.60				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	14.71	1.03				
		Jointing pipe taking 24 joint per 100 m.			Each	0.24	20.44	4.91				
		Labour For	1	m.				12.54	12.54			12.54
		Cost for	1	m.					632.54			
		Add 10% for sub mountainous region										1.25
		Labour for	1	m.								13.79
		Cost for	1	m.								633.79

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d		200mm o/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
(I)		Material								
(i)		Supply of PVC Pipe including wastage and breakage 5%		m.	31.50	807.00	25420.50			
		Total - I					25420.50			
		Sundries @ 3% i.e. on Rs. 25420.5					762.62			
		Add contractor's profit @ 10% i.e. on Rs. 26183.12					2618.31			
		Add Labour cess @ 1% i.e. on Rs. 28801.43					288.01			
		Material Cost for	30	m.			29089.44			
		Material Cost for	1	m.			969.65	969.65		969.65
		For stringing out in trench 200mm dia								
(II)		Labour								
		Taking output :-	30	m.						
(i)		Fitter Pipe (1st Class)		Each	0.500	223.36	111.68			
(ii)		Mazdoor Skilled (Fitter)		Each	0.500	164.69	82.35			
(iii)		Mazdoor (Skilled - Upper)		Each	0.375	164.69	61.76			
		Total - II					255.79			
		Sundries @ 3% i.e. on Rs. 255.79					7.67			
		Add contractor's profit @ 21.50% i.e. on Rs. 263.46					56.64			
		Add Labour cess @ 1% i.e. on Rs. 320.1					3.20			
		Labour for	30	m.			323.30			
		Labour for	1	m.			10.78			
		For cutting PVC Pipe 200mm dia								
		Labour								
		Taking Output :-	100	Cuts						
(i)		Fitter Pipe (1st Class)		Each	3.25	223.36	725.92			
(ii)		Mazdoor Skilled (Fitter)		Each	3.25	164.69	535.24			
		Total					1261.16			
		Sundries @ 3% i.e. on Rs. 1261.16					37.83			
		Add contractor's profit @ 21.50% i.e. on Rs. 1298.99					279.28			
		Add Labour cess @ 1% i.e. on Rs. 1578.27					15.78			
		Labour for	100	Cuts			1594.05			
		Labour for	1	Cuts			15.94			
		For Jointing PVC Pipe 200mm dia								
		Labour								
		Taking Output :-	12	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
(i)		Fitter Pipe (1st Class)			Each	0.625	223.36	139.60				
(ii)		Mazdoor Skilled (Fitter)			Each	0.625	164.69	102.93				
		Total						242.53				
		Sundries @ 3% i.e. on Rs. 242.53						7.28				
		Add contractor's profit @ 21.50% i.e. on Rs. 249.81						53.71				
		Add Labour cess @ 1% i.e. on Rs. 303.52						3.04				
		Labour for	12	Joint s				306.56				
		Labour for	1	Joint s				25.55				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	10.78	10.78				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	15.94	1.12				
		Jointig pipe taking 24 joint per 100 m.			Each	0.24	25.55	6.13				
		Labour For	1	m.				18.03	18.03			18.03
		Cost for	1	m.					987.68			
		Add 10% for sub mountainous region										1.80
		Labour for	1	m.								19.83
		Cost for	1	m.								989.48

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
e		250mm o/d pipe										
			Unit :-	1	m.							
			Taking output :-	30	m.							
(I)		Material										
(i)		Supply of PVC Pipe including wastage and breakage 5%			m.	31.50	1257.00	39595.50				
		Total - I						39595.50				
		Sundries @ 3% i.e. on Rs. 39595.5						1187.87				
		Add contractor's profit @ 10% i.e. on Rs. 40783.37						4078.34				
		Add Labour cess @ 1% i.e. on Rs. 44861.71						448.62				
			Material Cost for	30	m.			45310.33				
			Material Cost for	1	m.			1510.34	1510.34			1510.34
		For stringing out in trench 250mm dia										
(II)		Labour										
			Taking output :-	30	m.							
(i)		Fitter Pipe (Ist Class)			Each	0.625	223.36	139.60				
(ii)		Mazdoor Skilled (Fitter)			Each	0.625	164.69	102.93				
(iii)		Mazdoor (Skilled - Upper)			Each	0.500	164.69	82.35				
		Total - II						324.88				
		Sundries @ 3% i.e. on Rs. 324.88						9.75				
		Add contractor's profit @ 21.50% i.e. on Rs. 334.63						71.95				
		Add Labour cess @ 1% i.e. on Rs. 406.58						4.07				
			Labour for	30	m.			410.65				
			Labour for	1	m.			13.69				
		For cutting PVC Pipe 250mm dia										
		Labour										
			Taking Output :-	100	Cuts							
(i)		Fitter Pipe (Ist Class)			Each	3.50	223.36	781.76				
(ii)		Mazdoor Skilled (Fitter)			Each	3.50	164.69	576.42				
		Total						1358.18				
		Sundries @ 3% i.e. on Rs. 1358.18						40.75				
		Add contractor's profit @ 21.50% i.e. on Rs. 1398.93						300.77				
		Add Labour cess @ 1% i.e. on Rs. 1699.7						17.00				
			Labour for	100	Cuts			1716.70				
			Labour for	1	Cuts			17.17				
		For Jointing PVC Pipe 250mm dia										
		Labour										
			Taking Output :-	12	Joint s							

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
(i)		Fitter Pipe (1st Class)			Each	0.750	223.36	167.52				
(ii)		Mazdoor Skilled (Fitter)			Each	0.750	164.69	123.52				
		Total						291.04				
		Sundries @ 3% i.e. on Rs. 291.04						8.73				
		Add contractor's profit @ 21.50% i.e. on Rs. 299.77						64.45				
		Add Labour cess @ 1% i.e. on Rs. 364.22						3.64				
		Labour for	12	Joints				367.86				
		Labour for	1	Joints				30.66				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	13.69	13.69				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	17.17	1.20				
		Jointing pipe taking 24 joint per 100 m.			Each	0.24	30.66	7.36				
		Labour For	1	m.				22.25	22.25			22.25
		Cost for	1	m.					1532.59			
		Add 10% for sub mountainous region										2.23
		Labour for	1	m.								24.48
		Cost for	1	m.								1534.82

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
f		315mm o/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
(I)		Material								
(i)		Supply of PVC Pipe including wastage and breakage 5%		m.	31.50	2050.00	64575.00			
		Total - I					64575.00			
		Sundries @ 3% i.e. on Rs. 64575					1937.25			
		Add contractor's profit @ 10% i.e. on Rs. 66512.25					6651.23			
		Add Labour cess @ 1% i.e. on Rs. 73163.48					731.63			
		Material Cost for	30	m.			73895.11			
		Material Cost for	1	m.			2463.17	2463.17		2463.17
		For stringing out in trench 315mm dia								
(II)		Labour								
		Taking output :-	30	m.						
(i)		Fitter Pipe (Ist Class)		Each	0.750	223.36	167.52			
(ii)		Mazdoor Skilled (Fitter)		Each	0.750	164.69	123.52			
(iii)		Mazdoor (Skilled - Upper)		Each	0.750	164.69	123.52			
		Total - II					414.56			
		Sundries @ 3% i.e. on Rs. 414.56					12.44			
		Add contractor's profit @ 21.50% i.e. on Rs. 427					91.81			
		Add Labour cess @ 1% i.e. on Rs. 518.81					5.19			
		Labour for	30	m.			524.00			
		Labour for	1	m.			17.47			
		For cutting PVC Pipe 315mm dia								
		Labour								
		Taking Output :-	100	Cuts						
(i)		Fitter Pipe (Ist Class)		Each	3.75	223.36	837.60			
(ii)		Mazdoor Skilled (Fitter)		Each	3.75	164.69	617.59			
		Total					1455.19			
		Sundries @ 3% i.e. on Rs. 1455.19					43.66			
		Add contractor's profit @ 21.50% i.e. on Rs. 1498.85					322.25			
		Add Labour cess @ 1% i.e. on Rs. 1821.1					18.21			
		Labour for	100	Cuts			1839.31			
		Labour for	1	Cuts			18.39			
		For Jointing PVC Pipe 315mm dia								
		Labour								
		Taking Output :-	12	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
(i)		Fitter Pipe (1st Class)			Each	1.000	223.36	223.36				
(ii)		Mazdoor Skilled (Fitter)			Each	1.000	164.69	164.69				
		Total						388.05				
		Sundries @ 3% i.e. on Rs. 388.05						11.64				
		Add contractor's profit @ 21.50% i.e. on Rs. 399.69						85.93				
		Add Labour cess @ 1% i.e. on Rs. 485.62						4.86				
		Labour for	12	Joint s				490.48				
		Labour for	1	Joint s				40.87				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	17.47	17.47				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	18.39	1.29				
		Jointig pipe taking 24 joint per 100 m.			Each	0.24	40.87	9.81				
		Labour For	1	m.				28.57	28.57			28.57
		Cost for	1	m.					2491.74			
		Add 10% for sub mountainous region										2.86
		Labour for	1	m.								31.43
		Cost for	1	m.								2494.60

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Rate per sqm.				84.70				
29.69		Providing, Lowering, jointing and cutting of Plain and Reinforced Cement Concrete spigot and socketed Pipes and Specials with rubber ring ISI markd as per IS code IS 458-2003 into Trenches for all Depths and Laying out the same to correct alignment, gradients, levels etc. including all dressing and trimming and cutting of concrete beds and joints holes, supporting the pipes and specials in correct position in a suitable rigid manner while the same are being jointed and until the surrounding benchings, haunches and envelopes are completed. The pipes shall rest on the beds at all joints through their lengths and to ensure this, they shall be grouted in where necessary including jointing the socketed pipe with cement sand mortar 1:1 after stretching and fixing of rubber ring, facing, troweling and finishing the joints at an angle of 45 degree, keeping the joint covered and wetted till the same are cured, testing the pipes for leakage and making good the same leakage and all defects to the entire satisfaction of the Engineer-in-charge including all cartage etc.								
A		R.C.C. Pipe P -1								
a		100mm i/d pipe								
		Unit :- 1	m.							
		Taking output :- 30	m.							
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	275.00	8662.50			
		Total - I					8662.50			
		Sundries @ 3% i.e. on Rs. 8662.5					259.88			
		Add contractor's profit @ 10% i.e. on Rs. 8922.38					892.24			
		Add Labour cess @ 1% i.e. on Rs. 9814.62					98.15			
		Material Cost for 30	m.				9912.77			
		Material Cost for 1	m.				330.43	330.43		330.43
		For lowering in trench 100mm dia		Having weight 0.8	MT					
II		Labour								
		Taking output for 200mm i/d :- 30	m.		Having wt . in MT 1.43					
i		Fitter Pipe (1st Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15				48.84				
		Add Labour cess @ 1% i.e. on Rs. 275.99				2.76				
		Labour for 200mm i/d	30	m.	Having wt. in MT	1.43	278.75			
		Labour for 100mm i/d	1	m.	Having wt. in MT	0.03	5.85			
		For cutting R.C.C. Pipe 100mm dia			Having o/d in mm	150				
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (1st Class)			Each	1.375	223.36	307.12		
ii							0.00			
		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 100 mm i/d	1	Cuts	Having o/d in mm	150	14.12			
		For Jointing R.C.C. Pipe 100mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						
i		Cement bag of 50 Kg.			Each	2.030	262.27	532.41		
ii		Sand			Cum	0.088	200.59	17.65		
iii										
iv		Fitter Pipe (1st Class)			Each	3.000	223.36	670.08		
v		Mazdoor (Skilled - Upper)			Each	7.000	164.69	1152.83		
vi		Bhishti			Each	2.000	173.76	347.52		
		Total					2720.49			
		Sundries @ 3% i.e. on Rs. 2720.49					81.61			
		Add contractor's profit @ 21.50% i.e. on Rs. 2802.1					602.45			
		Add Labour cess @ 1% i.e. on Rs. 3404.55					34.05			
		Labour for	100	Joint s			3438.60			
		Labour for	1	Joint s			34.39			
		Labour for Stringing / Laying in trenched , cutting and jointing complete.								
		Stringing in trench per m.		m.	1.00	5.85	5.85			
		Cutting of pipe taking 7 cut per 100 m.		Each	0.07	14.12	0.99			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	34.39	16.16				
		Labour For	1	m.				23.00	23.00			23.00
		Cost for	1	m.					353.43			
		Add 10% for sub mountainous region										2.30
		Labour for	1	m.								25.30
		Cost for	1	m.								355.73

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		150mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	300.00	9450.00			
		Total - I					9450.00			
		Sundries @ 3% i.e. on Rs. 9450					283.50			
		Add contractor's profit @ 10% i.e. on Rs. 9733.5					973.35			
		Add Labour cess @ 1% i.e. on Rs. 10706.85					107.07			
		Material Cost for	30	m.			10813.92			
		Material Cost for	1	m.			360.46	360.46		360.46
		For lowering in trench 150mm dia		Having weight	1.12	MT				
II		Labour								
		Taking output for 200mm i/d :-	30	m.	Having wt . in MT	1.43				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 200mm i/d	30	m.	Having wt. in MT	1.43	278.75			
		Labour for 150mm i/d	1	m.	Having wt. in MT	0.04	7.80			
		For cutting R.C.C. Pipe 150mm dia		Having o/d in mm	200					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					307.12			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					9.21			
		Add Labour cess @ 1% i.e. on Rs. 384.34					68.01			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	3.84			
		Labour for 150 mm i/d	1	Cuts	Having o/d in mm	200	388.18			
		For Jointing R.C.C. Pipe 150mm dia					18.82			
IV		Labour								
		Taking Output :-	100	Joints						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	2.600	262.27	681.90				
ii		Sand			Cum	0.113	200.59	22.67				
iii		Fitter Pipe (1st Class)			Each	4.000	223.36	893.44				
iv		Mazdoor (Skilled - Upper)			Each	9.000	164.69	1482.21				
v		Bhishti			Each	3.000	173.76	521.28				
		Total						3601.50				
		Sundries @ 3% i.e. on Rs. 3601.5						108.05				
		Add contractor's profit @ 21.50% i.e. on Rs. 3709.55						797.55				
		Add Labour cess @ 1% i.e. on Rs. 4507.1						45.07				
		Labour for	100	Joint s				4552.17				
		Labour for	1	Joint s				45.52				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	7.80	7.80				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	18.82	1.32				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	45.52	21.39				
		Labour For	1	m.				30.51	30.51			30.51
		Cost for	1	m.					390.97			
		Add 10% for sub mountainous region										3.05
		Labour for	1	m.								33.56
		Cost for	1	m.								394.02

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c		200mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	350.00	11025.00			
		Total - I					11025.00			
		Sundries @ 3% i.e. on Rs. 11025					330.75			
		Add contractor's profit @ 10% i.e. on Rs. 11355.75					1135.58			
		Add Labour cess @ 1% i.e. on Rs. 12491.33					124.91			
		Material Cost for	30	m.			12616.24			
		Material Cost for	1	m.			420.54	420.54		420.54
		For lowering in trench 200mm dia		Having weight	1.43	MT				
II		Labour								
		Taking output for 200mm i/d :-	30	m.	Having wt . in MT	1.43				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 200mm i/d	30	m.	Having wt. in MT	1.43	278.75			
		Labour for 200mm i/d	1	m.	Having wt. in MT	0.05	9.75			
		For cutting R.C.C. Pipe 200mm dia		Having o/d in mm	250					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii							0.00			
		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 200mm i/d	1	Cuts	Having o/d in mm	250	23.53			
		For Jointing R.C.C. Pipe 200mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	3.200	262.27	839.26				
ii		Sand			Cum	0.139	200.59	27.88				
iii		Fitter Pipe (1st Class)			Each	5.000	223.36	1116.80				
iv		Mazdoor (Skilled - Upper)			Each	12.000	164.69	1976.28				
v		Bhishti			Each	4.000	173.76	695.04				
		Total						4655.26				
		Sundries @ 3% i.e. on Rs. 4655.26						139.66				
		Add contractor's profit @ 21.50% i.e. on Rs. 4794.92						1030.91				
		Add Labour cess @ 1% i.e. on Rs. 5825.83						58.26				
		Labour for	100	Joint s				5884.09				
		Labour for	1	Joint s				58.84				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	9.75	9.75				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	23.53	1.65				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	58.84	27.65				
		Labour For	1	m.				39.05	39.05			39.05
		Cost for	1	m.					459.59			
		Add 10% for sub mountainous region										3.91
		Labour for	1	m.								42.96
		Cost for	1	m.								463.50

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d		225mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	400.00	12600.00			
		Total - I					12600.00			
		Sundries @ 3% i.e. on Rs. 12600					378.00			
		Add contractor's profit @ 10% i.e. on Rs. 12978					1297.80			
		Add Labour cess @ 1% i.e. on Rs. 14275.8					142.76			
		Material Cost for	30	m.			14418.56			
		Material Cost for	1	m.			480.62	480.62		480.62
		For lowering in trench 225mm dia		Having weight	1.61	MT				
II		Labour								
		Taking output for 200mm i/d :-	30	m.	Having wt . in MT	1.43				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 200mm i/d	30	m.	Having wt. in MT	1.43	278.75			
		Labour for 225mm i/d	1	m.	Having wt. in MT	0.05	9.75			
		For cutting R.C.C. Pipe 225mm dia		Having o/d in mm	275					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					307.12			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					9.21			
		Add Labour cess @ 1% i.e. on Rs. 384.34					68.01			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 225mm i/d	1	Cuts	Having o/d in mm	275	25.88			
		For Jointing R.C.C. Pipe 225mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	3.490	262.27	915.32				
ii		Sand			Cum	0.152	200.59	30.49				
iii		Fitter Pipe (1st Class)			Each	7.000	223.36	1563.52				
iv		Mazdoor (Skilled - Upper)			Each	16.000	164.69	2635.04				
v		Bhishti			Each	5.000	173.76	868.80				
		Total						6013.17				
		Sundries @ 3% i.e. on Rs. 6013.17						180.40				
		Add contractor's profit @ 21.50% i.e. on Rs. 6193.57						1331.62				
		Add Labour cess @ 1% i.e. on Rs. 7525.19						75.25				
		Labour for	100	Joint s				7600.44				
		Labour for	1	Joint s				76.00				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	9.75	9.75				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	25.88	1.81				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	76.00	35.72				
		Labour For	1	m.				47.28	47.28			47.28
		Cost for	1	m.					527.90			
		Add 10% for sub mountainous region										4.73
		Labour for	1	m.								52.01
		Cost for	1	m.								532.63

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
e		250mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	415.00	13072.50			
		Total - I					13072.50			
		Sundries @ 3% i.e. on Rs. 13072.5					392.18			
		Add contractor's profit @ 10% i.e. on Rs. 13464.68					1346.47			
		Add Labour cess @ 1% i.e. on Rs. 14811.15					148.11			
		Material Cost for	30	m.			14959.26			
		Material Cost for	1	m.			498.64	498.64		498.64
		For lowering in trench 250mm dia		Having weight	1.88	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	278.75			
		Labour for 250mm i/d	1	m.	Having wt. in MT	0.06	3.10			
		For cutting R.C.C. Pipe 250mm dia		Having o/d in mm	300					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					307.12			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					9.21			
		Add Labour cess @ 1% i.e. on Rs. 384.34					68.01			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 250mm i/d	1	Cuts	Having o/d in mm	300	28.23			
		For Jointing R.C.C. Pipe 250mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	3.770	262.27	988.76				
ii		Sand			Cum	0.166	200.59	33.30				
iii		Fitter Pipe (1st Class)			Each	8.000	223.36	1786.88				
iv		Mazdoor (Skilled - Upper)			Each	18.000	164.69	2964.42				
v		Bhishti			Each	6.000	173.76	1042.56				
		Total						6815.92				
		Sundries @ 3% i.e. on Rs. 6815.92						204.48				
		Add contractor's profit @ 21.50% i.e. on Rs. 7020.4						1509.39				
		Add Labour cess @ 1% i.e. on Rs. 8529.79						85.30				
		Labour for	100	Joint s				8615.09				
		Labour for	1	Joint s				86.15				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	3.10	3.10				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	28.23	1.98				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	86.15	40.49				
		Labour For	1	m.				45.57	45.57			45.57
		Cost for	1	m.					544.21			
		Add 10% for sub mountainous region										4.56
		Labour for	1	m.								50.13
		Cost for	1	m.								548.77

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
f		300mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	520.00	16380.00			
		Total - I					16380.00			
		Sundries @ 3% i.e. on Rs. 16380					491.40			
		Add contractor's profit @ 10% i.e. on Rs. 16871.4					1687.14			
		Add Labour cess @ 1% i.e. on Rs. 18558.54					185.59			
		Material Cost for	30	m.			18744.13			
		Material Cost for	1	m.			624.80	624.80		624.80
		For lowering in trench 300mm dia		Having weight	2.41	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (1st Class)		Each	0.250	223.36	55.84			
ii							0.00			
		Total - II					55.84			
		Sundries @ 3% i.e. on Rs. 55.84					1.68			
		Add contractor's profit @ 21.50% i.e. on Rs. 57.52					12.37			
		Add Labour cess @ 1% i.e. on Rs. 69.89					0.70			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	70.59			
		Labour for 300mm i/d	1	m.	Having wt. in MT	0.08	1.05			
		For cutting R.C.C. Pipe 300mm dia		Having o/d in mm	360					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (1st Class)		Each	1.375	223.36	307.12			
ii		Mazdoor (Skilled - Upper)		Each	1.375	164.69	226.45			
		Total					533.57			
		Sundries @ 3% i.e. on Rs. 533.57					16.01			
		Add contractor's profit @ 21.50% i.e. on Rs. 549.58					118.16			
		Add Labour cess @ 1% i.e. on Rs. 667.74					6.68			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	674.42			
		Labour for 300mm i/d	1	Cuts	Having o/d in mm	360	58.86			
		For Jointing R.C.C. Pipe 300mm dia								
IV		Labour								
		Taking Output :-	100	Joints						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	6.170	262.27	1618.21				
ii		Sand			Cum	0.269	200.59	53.96				
iii		Fitter Pipe (1st Class)			Each	9.000	223.36	2010.24				
iv		Mazdoor (Skilled - Upper)			Each	20.000	164.69	3293.80				
v		Bhishti			Each	7.000	173.76	1216.32				
		Total						8192.53				
		Sundries @ 3% i.e. on Rs. 8192.53						245.78				
		Add contractor's profit @ 21.50% i.e. on Rs. 8438.31						1814.24				
		Add Labour cess @ 1% i.e. on Rs. 10252.55						102.53				
		Labour for	100	Joint s				10355.08				
		Labour for	1	Joint s				103.55				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	1.05	1.05				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	58.86	4.12				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	103.55	48.67				
		Labour For	1	m.				53.84	53.84			53.84
		Cost for	1	m.					678.64			
		Add 10% for sub mountainous region										5.38
		Labour for	1	m.								59.22
		Cost for	1	m.								684.02

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
g		350mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	625.00	19687.50			
		Total - I					19687.50			
		Sundries @ 3% i.e. on Rs. 19687.5					590.63			
		Add contractor's profit @ 10% i.e. on Rs. 20278.13					2027.81			
		Add Labour cess @ 1% i.e. on Rs. 22305.94					223.06			
		Material Cost for	30	m.			22529.00			
		Material Cost for	1	m.			750.97	750.97		750.97
		For lowering in trench 350mm dia		Having weight	2.71	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	278.75			
		Labour for 350mm i/d	1	m.	Having wt. in MT	0.09	4.65			
		For cutting R.C.C. Pipe 350mm dia		Having o/d in mm	457					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					307.12			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					9.21			
		Add Labour cess @ 1% i.e. on Rs. 384.34					68.01			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 350mm i/d	1	Cuts	Having o/d in mm	457	43.01			
		For Jointing R.C.C. Pipe 350mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	2.400	262.27	629.45				
ii		Sand			Cum	0.323	200.59	64.79				
iii		Fitter Pipe (1st Class)			Each	11.000	223.36	2456.96				
iv		Mazdoor (Skilled - Upper)			Each	25.000	164.69	4117.25				
v		Bhishti			Each	9.000	173.76	1563.84				
		Total						8832.29				
		Sundries @ 3% i.e. on Rs. 8832.29						264.97				
		Add contractor's profit @ 21.50% i.e. on Rs. 9097.26						1955.91				
		Add Labour cess @ 1% i.e. on Rs. 11053.17						110.53				
		Labour for	100	Joint s				11163.70				
		Labour for	1	Joint s				111.64				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	4.65	4.65				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	43.01	3.01				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	111.64	52.47				
		Labour For	1	m.				60.13	60.13			60.13
		Cost for	1	m.					811.10			
		Add 10% for sub mountainous region										6.01
		Labour for	1	m.								66.14
		Cost for	1	m.								817.11

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
h		400mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	700.00	22050.00			
		Total - I					22050.00			
		Sundries @ 3% i.e. on Rs. 22050					661.50			
		Add contractor's profit @ 10% i.e. on Rs. 22711.5					2271.15			
		Add Labour cess @ 1% i.e. on Rs. 24982.65					249.83			
		Material Cost for	30	m.			25232.48			
		Material Cost for	1	m.			841.08	841.08		841.08
		For lowering in trench 400mm dia		Having weight	3.87	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 400mm i/d	1	m.	Having wt. in MT	0.13	74.28			
		For cutting R.C.C. Pipe 400mm dia		Having o/d in mm	507					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 400mm i/d	1	Cuts	Having o/d in mm	507	47.71			
		For Jointing R.C.C. Pipe 400mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	8.230	262.27	2158.48				
ii		Sand			Cum	0.360	200.59	72.21				
iii		Fitter Pipe (1st Class)			Each	18.000	223.36	4020.48				
iv		Mazdoor (Skilled - Upper)			Each	30.000	164.69	4940.70				
v		Bhishti			Each	10.000	173.76	1737.60				
		Total						12929.47				
		Sundries @ 3% i.e. on Rs. 12929.47						387.88				
		Add contractor's profit @ 21.50% i.e. on Rs. 13317.35						2863.23				
		Add Labour cess @ 1% i.e. on Rs. 16180.58						161.81				
		Labour for	100	Joint s				16342.39				
		Labour for	1	Joint s				163.42				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	74.28	74.28				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	47.71	3.34				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	163.42	76.81				
		Labour For	1	m.				154.43	154.43			154.43
		Cost for	1	m.					995.51			
		Add 10% for sub mountainous region										15.44
		Labour for	1	m.								169.87
		Cost for	1	m.								1010.95

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i		450mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	850.00	26775.00			
		Total - I					26775.00			
		Sundries @ 3% i.e. on Rs. 26775					803.25			
		Add contractor's profit @ 10% i.e. on Rs. 27578.25					2757.83			
		Add Labour cess @ 1% i.e. on Rs. 30336.08					303.36			
		Material Cost for	30	m.			30639.44			
		Material Cost for	1	m.			1021.31	1021.31		1021.31
		For lowering in trench 450mm dia		Having weight	4.24	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 450mm i/d	1	m.	Having wt. in MT	0.14	79.99			
		For cutting R.C.C. Pipe 450mm dia		Having o/d in mm	560					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 450mm i/d	1	Cuts	Having o/d in mm	560	52.70			
		For Jointing R.C.C. Pipe 450mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	12.890	262.27	3380.66				
ii		Sand			Cum	0.563	200.59	112.93				
iii		Fitter Pipe (1st Class)			Each	15.000	223.36	3350.40				
iv		Mazdoor (Skilled - Upper)			Each	40.000	164.69	6587.60				
v		Bhishti			Each	12.000	173.76	2085.12				
		Total						15516.71				
		Sundries @ 3% i.e. on Rs. 15516.71						465.50				
		Add contractor's profit @ 21.50% i.e. on Rs. 15982.21						3436.18				
		Add Labour cess @ 1% i.e. on Rs. 19418.39						194.18				
		Labour for	100	Joint s				19612.57				
		Labour for	1	Joint s				196.13				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	79.99	79.99				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	52.70	3.69				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	196.13	92.18				
		Labour For	1	m.				175.86	175.86			175.86
		Cost for	1	m.					1197.17			
		Add 10% for sub mountainous region										17.59
		Labour for	1	m.								193.45
		Cost for	1	m.								1214.76

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
j		500mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1070.00	33705.00			
		Total - I					33705.00			
		Sundries @ 3% i.e. on Rs. 33705					1011.15			
		Add contractor's profit @ 10% i.e. on Rs. 34716.15					3471.62			
		Add Labour cess @ 1% i.e. on Rs. 38187.77					381.88			
		Material Cost for	30	m.			38569.65			
		Material Cost for	1	m.			1285.66	1285.66		1285.66
		For lowering in trench 500mm dia		Having weight	4.60	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 500mm i/d	1	m.	Having wt. in MT	0.15	85.71			
		For cutting R.C.C. Pipe 500mm dia		Having o/d in mm	610					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 500mm i/d	1	Cuts	Having o/d in mm	610	57.40			
		For Jointing R.C.C. Pipe 500mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	14.060	262.27	3687.52				
ii		Sand			Cum	0.614	200.59	123.16				
iii		Fitter Pipe (1st Class)			Each	17.000	223.36	3797.12				
iv		Mazdoor (Skilled - Upper)			Each	50.000	164.69	8234.50				
v		Bhishti			Each	13.000	173.76	2258.88				
		Total						18101.18				
		Sundries @ 3% i.e. on Rs. 18101.18						543.04				
		Add contractor's profit @ 21.50% i.e. on Rs. 18644.22						4008.51				
		Add Labour cess @ 1% i.e. on Rs. 22652.73						226.53				
		Labour for	100	Joint s				22879.26				
		Labour for	1	Joint s				228.79				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	85.71	85.71				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	57.40	4.02				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	228.79	107.53				
		Labour For	1	m.				197.26	197.26			197.26
		Cost for	1	m.					1482.92			
		Add 10% for sub mountainous region										19.73
		Labour for	1	m.								216.99
		Cost for	1	m.								1502.65

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
k		600mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1450.00	45675.00			
		Total - I					45675.00			
		Sundries @ 3% i.e. on Rs. 45675					1370.25			
		Add contractor's profit @ 10% i.e. on Rs. 47045.25					4704.53			
		Add Labour cess @ 1% i.e. on Rs. 51749.78					517.50			
		Material Cost for	30	m.			52267.28			
		Material Cost for	1	m.			1742.24	1742.24		1742.24
		For lowering in trench 600mm dia		Having weight	5.40	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 600mm i/d	1	m.	Having wt. in MT	0.18	102.85			
		For cutting R.C.C. Pipe 600mm dia		Having o/d in mm	720					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 600mm i/d	1	Cuts	Having o/d in mm	720	67.76			
		For Jointing R.C.C. Pipe 600mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	18.510	262.27	4854.62				
ii		Sand			Cum	0.806	200.59	161.68				
iii		Fitter Pipe (1st Class)			Each	19.000	223.36	4243.84				
iv		Mazdoor (Skilled - Upper)			Each	60.000	164.69	9881.40				
v		Bhishti			Each	14.000	173.76	2432.64				
		Total						21574.18				
		Sundries @ 3% i.e. on Rs. 21574.18						647.23				
		Add contractor's profit @ 21.50% i.e. on Rs. 22221.41						4777.60				
		Add Labour cess @ 1% i.e. on Rs. 26999.01						269.99				
		Labour for	100	Joint s				27269.00				
		Labour for	1	Joint s				272.69				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	102.85	102.85				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	67.76	4.74				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	272.69	128.16				
		Labour For	1	m.				235.75	235.75			235.75
		Cost for	1	m.				1977.99				
		Add 10% for sub mountainous region										23.58
		Labour for	1	m.								259.33
		Cost for	1	m.								2001.57

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
I		700mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1870.00	58905.00			
		Total - I					58905.00			
		Sundries @ 3% i.e. on Rs. 58905					1767.15			
		Add contractor's profit @ 10% i.e. on Rs. 60672.15					6067.22			
		Add Labour cess @ 1% i.e. on Rs. 66739.37					667.39			
		Material Cost for	30	m.			67406.76			
		Material Cost for	1	m.			2246.89	2246.89		2246.89
		For lowering in trench 700mm dia		Having weight	7.29	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 700mm i/d	1	m.	Having wt. in MT	0.24	137.13			
		For cutting R.C.C. Pipe 700mm dia		Having o/d in mm	825					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 700mm i/d	1	Cuts	Having o/d in mm	825	77.64			
		For Jointing R.C.C. Pipe 700mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	21.030	262.27	5515.54				
ii		Sand			Cum	0.919	200.59	184.34				
iii		Fitter Pipe (1st Class)			Each	20.000	223.36	4467.20				
iv		Mazdoor (Skilled - Upper)			Each	70.000	164.69	11528.30				
v		Bhishti			Each	15.000	173.76	2606.40				
		Total						24301.78				
		Sundries @ 3% i.e. on Rs. 24301.78						729.05				
		Add contractor's profit @ 21.50% i.e. on Rs. 25030.83						5381.63				
		Add Labour cess @ 1% i.e. on Rs. 30412.46						304.12				
		Labour for	100	Joint s				30716.58				
		Labour for	1	Joint s				307.17				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	137.13	137.13				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	77.64	5.43				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	307.17	144.37				
		Labour For	1	m.				286.93	286.93			286.93
		Cost for	1	m.					2533.82			
		Add 10% for sub mountainous region										28.69
		Labour for	1	m.								315.62
		Cost for	1	m.								2562.51

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
m		800mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	2340.00	73710.00			
		Total - I					73710.00			
		Sundries @ 3% i.e. on Rs. 73710					2211.30			
		Add contractor's profit @ 10% i.e. on Rs. 75921.3					7592.13			
		Add Labour cess @ 1% i.e. on Rs. 83513.43					835.13			
		Material Cost for	30	m.			84348.56			
		Material Cost for	1	m.			2811.62	2811.62		2811.62
		For lowering in trench 800mm dia		Having weight	9.44	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 800mm i/d	1	m.	Having wt. in MT	0.31	177.13			
		For cutting R.C.C. Pipe 800mm dia		Having o/d in mm	935					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 800mm i/d	1	Cuts	Having o/d in mm	935	87.99			
		For Jointing R.C.C. Pipe 800mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	26.400	262.27	6923.93				
ii		Sand			Cum	1.155	200.59	231.68				
iii		Fitter Pipe (1st Class)			Each	24.000	223.36	5360.64				
iv		Mazdoor (Skilled - Upper)			Each	80.000	164.69	13175.20				
v		Bhishti			Each	16.000	173.76	2780.16				
		Total						28471.61				
		Sundries @ 3% i.e. on Rs. 28471.61						854.15				
		Add contractor's profit @ 21.50% i.e. on Rs. 29325.76						6305.04				
		Add Labour cess @ 1% i.e. on Rs. 35630.8						356.31				
		Labour for	100	Joint s				35987.11				
		Labour for	1	Joint s				359.87				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	177.13	177.13				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	87.99	6.16				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	359.87	169.14				
		Labour For	1	m.				352.43	352.43			352.43
		Cost for	1	m.					3164.05			
		Add 10% for sub mountainous region										35.24
		Labour for	1	m.								387.67
		Cost for	1	m.								3199.29

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
n		900mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	2890.00	91035.00			
		Total - I					91035.00			
		Sundries @ 3% i.e. on Rs. 91035					2731.05			
		Add contractor's profit @ 10% i.e. on Rs. 93766.05					9376.61			
		Add Labour cess @ 1% i.e. on Rs. 103142.66					1031.43			
		Material Cost for	30	m.			104174.09			
		Material Cost for	1	m.			3472.47	3472.47		3472.47
		For lowering in trench 900mm dia		Having weight	11.07	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 900mm i/d	1	m.	Having wt. in MT	0.37	211.41			
		For cutting R.C.C. Pipe 900mm dia		Having o/d in mm	1050					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 900mm i/d	1	Cuts	Having o/d in mm	1050	98.81			
		For Jointing R.C.C. Pipe 900mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	32.570	262.27	8542.13				
ii		Sand			Cum	1.426	200.59	286.04				
iii		Fitter Pipe (1st Class)			Each	27.000	223.36	6030.72				
iv		Mazdoor (Skilled - Upper)			Each	90.000	164.69	14822.10				
v		Bhishti			Each	17.000	173.76	2953.92				
		Total						32634.91				
		Sundries @ 3% i.e. on Rs. 32634.91						979.05				
		Add contractor's profit @ 21.50% i.e. on Rs. 33613.96						7227.00				
		Add Labour cess @ 1% i.e. on Rs. 40840.96						408.41				
		Labour for	100	Joint s				41249.37				
		Labour for	1	Joint s				412.49				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	211.41	211.41				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	98.81	6.92				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	412.49	193.87				
		Labour For	1	m.				412.20	412.20			412.20
		Cost for	1	m.					3884.67			
		Add 10% for sub mountainous region										41.22
		Labour for	1	m.								453.42
		Cost for	1	m.								3925.89

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
o		1000mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	3540.00	111510.00			
		Total - I					111510.00			
		Sundries @ 3% i.e. on Rs. 111510					3345.30			
		Add contractor's profit @ 10% i.e. on Rs. 114855.3					11485.53			
		Add Labour cess @ 1% i.e. on Rs. 126340.83					1263.41			
		Material Cost for	30	m.			127604.24			
		Material Cost for	1	m.			4253.47	4253.47		4253.47
		For lowering in trench 1000mm dia		Having weight	14.27	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 1000mm i/d	1	m.	Having wt. in MT	0.48	274.26			
		For cutting R.C.C. Pipe 1000mm dia		Having o/d in mm	1155					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1000mm i/d	1	Cuts	Having o/d in mm	1155	108.69			
		For Jointing R.C.C. Pipe 1000mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	39.710	262.27	10414.74				
ii		Sand			Cum	1.786	200.59	358.25				
iii		Fitter Pipe (1st Class)			Each	30.000	223.36	6700.80				
iv		Mazdoor (Skilled - Upper)			Each	100.000	164.69	16469.00				
v		Bhishti			Each	18.000	173.76	3127.68				
		Total						37070.47				
		Sundries @ 3% i.e. on Rs. 37070.47						1112.11				
		Add contractor's profit @ 21.50% i.e. on Rs. 38182.58						8209.25				
		Add Labour cess @ 1% i.e. on Rs. 46391.83						463.92				
		Labour for	100	Joint s				46855.75				
		Labour for	1	Joint s				468.56				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	274.26	274.26				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	108.69	7.61				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	468.56	220.22				
		Labour For	1	m.				502.09	502.09			502.09
		Cost for	1	m.					4755.56			
		Add 10% for sub mountainous region										50.21
		Labour for	1	m.								552.30
		Cost for	1	m.								4805.77

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
P		1100mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	3780.00	119070.00			
		Total - I					119070.00			
		Sundries @ 3% i.e. on Rs. 119070					3572.10			
		Add contractor's profit @ 10% i.e. on Rs. 122642.1					12264.21			
		Add Labour cess @ 1% i.e. on Rs. 134906.31					1349.06			
		Material Cost for	30	m.			136255.37			
		Material Cost for	1	m.			4541.85	4541.85		4541.85
		For lowering in trench 1100mm dia		Having weight	17.29	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 1100mm i/d	1	m.	Having wt. in MT	0.58	331.40			
		For cutting R.C.C. Pipe 1100mm dia		Having o/d in mm	1275					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1100mm i/d	1	Cuts	Having o/d in mm	1275	119.98			
		For Jointing R.C.C. Pipe 1100mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	47.770	262.27	12528.64				
ii		Sand			Cum	2.089	200.59	419.03				
iii		Fitter Pipe (1st Class)			Each	35.000	223.36	7817.60				
iv		Mazdoor (Skilled - Upper)			Each	110.000	164.69	18115.90				
v		Bhishti			Each	19.000	173.76	3301.44				
		Total						42182.61				
		Sundries @ 3% i.e. on Rs. 42182.61						1265.48				
		Add contractor's profit @ 21.50% i.e. on Rs. 43448.09						9341.34				
		Add Labour cess @ 1% i.e. on Rs. 52789.43						527.89				
		Labour for	100	Joint s				53317.32				
		Labour for	1	Joint s				533.17				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	331.40	331.40				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	119.98	8.40				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	533.17	250.59				
		Labour For	1	m.				590.39	590.39			590.39
		Cost for	1	m.					5132.24			
		Add 10% for sub mountainous region										59.04
		Labour for	1	m.								649.43
		Cost for	1	m.								5191.28

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
q		1200mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	5100.00	160650.00			
		Total - I					160650.00			
		Sundries @ 3% i.e. on Rs. 160650					4819.50			
		Add contractor's profit @ 10% i.e. on Rs. 165469.5					16546.95			
		Add Labour cess @ 1% i.e. on Rs. 182016.45					1820.16			
		Material Cost for	30	m.			183836.61			
		Material Cost for	1	m.			6127.89	6127.89		6127.89
		For lowering in trench 1200mm dia		Having weight	20.31	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 1200mm i/d	1	m.	Having wt. in MT	0.68	388.53			
		For cutting R.C.C. Pipe 1200mm dia		Having o/d in mm	1380					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1200mm i/d	1	Cuts	Having o/d in mm	1380	129.86			
		For Jointing R.C.C. Pipe 1200mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	56.890	262.27	14920.54				
ii		Sand			Cum	2.489	200.59	499.27				
iii		Fitter Pipe (1st Class)			Each	37.000	223.36	8264.32				
iv		Mazdoor (Skilled - Upper)			Each	120.000	164.69	19762.80				
v		Bhishti			Each	20.000	173.76	3475.20				
		Total						46922.13				
		Sundries @ 3% i.e. on Rs. 46922.13						1407.66				
		Add contractor's profit @ 21.50% i.e. on Rs. 48329.79						10390.90				
		Add Labour cess @ 1% i.e. on Rs. 58720.69						587.21				
		Labour for	100	Joint s				59307.90				
		Labour for	1	Joint s				593.08				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	388.53	388.53				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	129.86	9.09				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	593.08	278.75				
		Labour For	1	m.				676.37	676.37			676.37
		Cost for	1	m.					6804.26			
		Add 10% for sub mountainous region										67.64
		Labour for	1	m.								744.01
		Cost for	1	m.								6871.90

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
B		R.C.C. Pipe NP -2								
a		100mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	237.00	7465.50			
		Total - I					7465.50			
		Sundries @ 3% i.e. on Rs. 7465.5					223.97			
		Add contractor's profit @ 10% i.e. on Rs. 7689.47					768.95			
		Add Labour cess @ 1% i.e. on Rs. 8458.42					84.58			
		Material Cost for	30	m.			8543.00			
		Material Cost for	1	m.			284.77	284.77		284.77
		For lowering in trench 100mm dia		Having weight	0.8	MT				
II		Labour								
		Taking output for 200mm i/d :-	30	m.	Having wt. in MT	1.43				
i		Fitter Pipe (Ist Class)			Each	0.250	223.36	55.84		
ii		Mazdoor (Skilled - Upper)			Each	1.000	164.69	164.69		
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 200mm i/d	30	m.	Having wt. in MT	1.43	278.75			
		Labour for 100mm i/d	1	m.	Having wt. in MT	0.03	5.85			
		For cutting R.C.C. Pipe 100mm dia		Having o/d in mm	150					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)			Each	1.375	223.36	307.12		
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 100 mm i/d	1	Cuts	Having o/d in mm	150	14.12			
		For Jointing R.C.C. Pipe 100mm dia								
IV		Labour								
		Taking Output :-	100	Joints						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	2.030	262.27	532.41				
ii		Sand			Cum	0.088	200.59	17.65				
iii		Fitter Pipe (1st Class)			Each	3.000	223.36	670.08				
iv		Mazdoor (Skilled - Upper)			Each	7.000	164.69	1152.83				
v		Bhishti			Each	2.000	173.76	347.52				
		Total						2720.49				
		Sundries @ 3% i.e. on Rs. 2720.49						81.61				
		Add contractor's profit @ 21.50% i.e. on Rs. 2802.1						602.45				
		Add Labour cess @ 1% i.e. on Rs. 3404.55						34.05				
		Labour for	100	Joint s				3438.60				
		Labour for	1	Joint s				34.39				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	5.85	5.85				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	14.12	0.99				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	34.39	16.16				
		Labour For	1	m.				23.00	23.00			23.00
		Cost for	1	m.					307.77			
		Add 10% for sub mountainous region										2.30
		Labour for	1	m.								25.30
		Cost for	1	m.								310.07

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		150mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	265.00	8347.50			
		Total - I					8347.50			
		Sundries @ 3% i.e. on Rs. 8347.5					250.43			
		Add contractor's profit @ 10% i.e. on Rs. 8597.93					859.79			
		Add Labour cess @ 1% i.e. on Rs. 9457.72					94.58			
		Material Cost for	30	m.			9552.30			
		Material Cost for	1	m.			318.41	318.41		318.41
		For lowering in trench 150mm dia		Having weight	1.12	MT				
II		Labour								
		Taking output for 200mm i/d :-	30	m.	Having wt . in MT	1.43				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 200mm i/d	30	m.	Having wt. in MT	1.43	278.75			
		Labour for 150mm i/d	1	m.	Having wt. in MT	0.04	7.80			
		For cutting R.C.C. Pipe 150mm dia		Having o/d in mm	200					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii							0.00			
		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 150 mm i/d	1	Cuts	Having o/d in mm	200	18.82			
		For Jointing R.C.C. Pipe 150mm dia								
IV		Labour								
		Taking Output :-	100	Joints						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	2.600	262.27	681.90				
ii		Sand			Cum	0.113	200.59	22.67				
iii		Fitter Pipe (1st Class)			Each	4.000	223.36	893.44				
iv		Mazdoor (Skilled - Upper)			Each	9.000	164.69	1482.21				
v		Bhishti			Each	3.000	173.76	521.28				
		Total						3601.50				
		Sundries @ 3% i.e. on Rs. 3601.5						108.05				
		Add contractor's profit @ 21.50% i.e. on Rs. 3709.55						797.55				
		Add Labour cess @ 1% i.e. on Rs. 4507.1						45.07				
		Labour for	100	Joint s				4552.17				
		Labour for	1	Joint s				45.52				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	7.80	7.80				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	18.82	1.32				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	45.52	21.39				
		Labour For	1	m.				30.51	30.51			30.51
		Cost for	1	m.					348.92			
		Add 10% for sub mountainous region										3.05
		Labour for	1	m.								33.56
		Cost for	1	m.								351.97

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c		200mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	300.00	9450.00			
		Total - I					9450.00			
		Sundries @ 3% i.e. on Rs. 9450					283.50			
		Add contractor's profit @ 10% i.e. on Rs. 9733.5					973.35			
		Add Labour cess @ 1% i.e. on Rs. 10706.85					107.07			
		Material Cost for	30	m.			10813.92			
		Material Cost for	1	m.			360.46	360.46		360.46
		For lowering in trench 200mm dia		Having weight	1.43	MT				
II		Labour								
		Taking output for 200mm i/d :-	30	m.	Having wt . in MT	1.43				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 200mm i/d	30	m.	Having wt. in MT	1.43	278.75			
		Labour for 200mm i/d	1	m.	Having wt. in MT	0.05	9.75			
		For cutting R.C.C. Pipe 200mm dia		Having o/d in mm	250					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii										
		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 200mm i/d	1	Cuts	Having o/d in mm	250	23.53			
		For Jointing R.C.C. Pipe 200mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	3.200	262.27	839.26				
ii		Sand			Cum	0.139	200.59	27.88				
iii		Fitter Pipe (1st Class)			Each	5.000	223.36	1116.80				
iv		Mazdoor (Skilled - Upper)			Each	12.000	164.69	1976.28				
v		Bhishti			Each	4.000	173.76	695.04				
		Total						4655.26				
		Sundries @ 3% i.e. on Rs. 4655.26						139.66				
		Add contractor's profit @ 21.50% i.e. on Rs. 4794.92						1030.91				
		Add Labour cess @ 1% i.e. on Rs. 5825.83						58.26				
		Labour for	100	Joint s				5884.09				
		Labour for	1	Joint s				58.84				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	9.75	9.75				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	23.53	1.65				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	58.84	27.65				
		Labour For	1	m.				39.05	39.05			39.05
		Cost for	1	m.					399.51			
		Add 10% for sub mountainous region										3.91
		Labour for	1	m.								42.96
		Cost for	1	m.								403.42

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d		225mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	350.00	11025.00			
		Total - I					11025.00			
		Sundries @ 3% i.e. on Rs. 11025					330.75			
		Add contractor's profit @ 10% i.e. on Rs. 11355.75					1135.58			
		Add Labour cess @ 1% i.e. on Rs. 12491.33					124.91			
		Material Cost for	30	m.			12616.24			
		Material Cost for	1	m.			420.54	420.54		420.54
		For lowering in trench 225mm dia		Having weight	1.61	MT				
II		Labour								
		Taking output for 200mm i/d :-	30	m.	Having wt . in MT	1.43				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 200mm i/d	30	m.	Having wt. in MT	1.43	278.75			
		Labour for 225mm i/d	1	m.	Having wt. in MT	0.05	9.75			
		For cutting R.C.C. Pipe 225mm dia		Having o/d in mm	275					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 225mm i/d	1	Cuts	Having o/d in mm	275	25.88			
		For Jointing R.C.C. Pipe 225mm dia								
IV		Labour								
		Taking Output :-	100	Joints						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	3.490	262.27	915.32				
ii		Sand			Cum	0.152	200.59	30.49				
iii		Fitter Pipe (1st Class)			Each	7.000	223.36	1563.52				
iv		Mazdoor (Skilled - Upper)			Each	16.000	164.69	2635.04				
v		Bhishti			Each	5.000	173.76	868.80				
		Total						6013.17				
		Sundries @ 3% i.e. on Rs. 6013.17						180.40				
		Add contractor's profit @ 21.50% i.e. on Rs. 6193.57						1331.62				
		Add Labour cess @ 1% i.e. on Rs. 7525.19						75.25				
		Labour for	100	Joint s				7600.44				
		Labour for	1	Joint s				76.00				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	9.75	9.75				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	25.88	1.81				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	76.00	35.72				
		Labour For	1	m.				47.28	47.28			47.28
		Cost for	1	m.					467.82			
		Add 10% for sub mountainous region										4.73
		Labour for	1	m.								52.01
		Cost for	1	m.								472.55

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
e		250mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	375.00	11812.50			
		Total - I					11812.50			
		Sundries @ 3% i.e. on Rs. 11812.5					354.38			
		Add contractor's profit @ 10% i.e. on Rs. 12166.88					1216.69			
		Add Labour cess @ 1% i.e. on Rs. 13383.57					133.84			
		Material Cost for	30	m.			13517.41			
		Material Cost for	1	m.			450.58	450.58		450.58
		For lowering in trench 250mm dia		Having weight	1.88	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	278.75			
		Labour for 250mm i/d	1	m.	Having wt. in MT	0.06	3.10			
		For cutting R.C.C. Pipe 250mm dia		Having o/d in mm	300					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 250mm i/d	1	Cuts	Having o/d in mm	300	28.23			
		For Jointing R.C.C. Pipe 250mm dia								
IV		Labour								
		Taking Output :-	100	Joints						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	3.770	262.27	988.76				
ii		Sand			Cum	0.166	200.59	33.30				
iii		Fitter Pipe (1st Class)			Each	8.000	223.36	1786.88				
iv		Mazdoor (Skilled - Upper)			Each	18.000	164.69	2964.42				
v		Bhishti			Each	6.000	173.76	1042.56				
		Total						6815.92				
		Sundries @ 3% i.e. on Rs. 6815.92						204.48				
		Add contractor's profit @ 21.50% i.e. on Rs. 7020.4						1509.39				
		Add Labour cess @ 1% i.e. on Rs. 8529.79						85.30				
		Labour for	100	Joint s				8615.09				
		Labour for	1	Joint s				86.15				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	3.10	3.10				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	28.23	1.98				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	86.15	40.49				
		Labour For	1	m.				45.57	45.57			45.57
		Cost for	1	m.					496.15			
		Add 10% for sub mountainous region										4.56
		Labour for	1	m.								50.13
		Cost for	1	m.								500.71

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
f		300mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	440.00	13860.00			
		Total - I					13860.00			
		Sundries @ 3% i.e. on Rs. 13860					415.80			
		Add contractor's profit @ 10% i.e. on Rs. 14275.8					1427.58			
		Add Labour cess @ 1% i.e. on Rs. 15703.38					157.03			
		Material Cost for	30	m.			15860.41			
		Material Cost for	1	m.			528.68	528.68		528.68
		For lowering in trench 300mm dia		Having weight	2.41	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	278.75			
		Labour for 300mm i/d	1	m.	Having wt. in MT	0.08	4.13			
		For cutting R.C.C. Pipe 300mm dia		Having o/d in mm	360					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 300mm i/d	1	Cuts	Having o/d in mm	360	33.88			
		For Jointing R.C.C. Pipe 300mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	6.170	262.27	1618.21				
ii		Sand			Cum	0.269	200.59	53.96				
iii		Fitter Pipe (1st Class)			Each	9.000	223.36	2010.24				
iv		Mazdoor (Skilled - Upper)			Each	20.000	164.69	3293.80				
v		Bhishti			Each	7.000	173.76	1216.32				
		Total						8192.53				
		Sundries @ 3% i.e. on Rs. 8192.53						245.78				
		Add contractor's profit @ 21.50% i.e. on Rs. 8438.31						1814.24				
		Add Labour cess @ 1% i.e. on Rs. 10252.55						102.53				
		Labour for	100	Joint s				10355.08				
		Labour for	1	Joint s				103.55				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	4.13	4.13				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	33.88	2.37				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	103.55	48.67				
		Labour For	1	m.				55.17	55.17			55.17
		Cost for	1	m.					583.85			
		Add 10% for sub mountainous region										5.52
		Labour for	1	m.								60.69
		Cost for	1	m.								589.37

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
g		350mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	550.00	17325.00			
		Total - I					17325.00			
		Sundries @ 3% i.e. on Rs. 17325					519.75			
		Add contractor's profit @ 10% i.e. on Rs. 17844.75					1784.48			
		Add Labour cess @ 1% i.e. on Rs. 19629.23					196.29			
		Material Cost for	30	m.			19825.52			
		Material Cost for	1	m.			660.85	660.85		660.85
		For lowering in trench 350mm dia		Having weight	2.71	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	278.75			
		Labour for 350mm i/d	1	m.	Having wt. in MT	0.09	4.65			
		For cutting R.C.C. Pipe 350mm dia		Having o/d in mm	457					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 350mm i/d	1	Cuts	Having o/d in mm	457	43.01			
		For Jointing R.C.C. Pipe 350mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	2.400	262.27	629.45				
ii		Sand			Cum	0.323	200.59	64.79				
iii		Fitter Pipe (1st Class)			Each	11.000	223.36	2456.96				
iv		Mazdoor (Skilled - Upper)			Each	25.000	164.69	4117.25				
v		Bhishti			Each	9.000	173.76	1563.84				
		Total						8832.29				
		Sundries @ 3% i.e. on Rs. 8832.29						264.97				
		Add contractor's profit @ 21.50% i.e. on Rs. 9097.26						1955.91				
		Add Labour cess @ 1% i.e. on Rs. 11053.17						110.53				
		Labour for	100	Joint s				11163.70				
		Labour for	1	Joint s				111.64				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	4.65	4.65				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	43.01	3.01				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	111.64	52.47				
		Labour For	1	m.				60.13	60.13			60.13
		Cost for	1	m.					720.98			
		Add 10% for sub mountainous region										6.01
		Labour for	1	m.								66.14
		Cost for	1	m.								726.99

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
h		400mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	580.00	18270.00			
		Total - I					18270.00			
		Sundries @ 3% i.e. on Rs. 18270					548.10			
		Add contractor's profit @ 10% i.e. on Rs. 18818.1					1881.81			
		Add Labour cess @ 1% i.e. on Rs. 20699.91					207.00			
		Material Cost for	30	m.			20906.91			
		Material Cost for	1	m.			696.90	696.90		696.90
		For lowering in trench 400mm dia		Having weight	3.87	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 400mm i/d	1	m.	Having wt. in MT	0.13	74.28			
		For cutting R.C.C. Pipe 400mm dia		Having o/d in mm	507					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 400mm i/d	1	Cuts	Having o/d in mm	507	47.71			
		For Jointing R.C.C. Pipe 400mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	8.230	262.27	2158.48				
ii		Sand			Cum	0.360	200.59	72.21				
iii		Fitter Pipe (1st Class)			Each	18.000	223.36	4020.48				
iv		Mazdoor (Skilled - Upper)			Each	30.000	164.69	4940.70				
v		Bhishti			Each	10.000	173.76	1737.60				
		Total						12929.47				
		Sundries @ 3% i.e. on Rs. 12929.47						387.88				
		Add contractor's profit @ 21.50% i.e. on Rs. 13317.35						2863.23				
		Add Labour cess @ 1% i.e. on Rs. 16180.58						161.81				
		Labour for	100	Joint s				16342.39				
		Labour for	1	Joint s				163.42				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	74.28	74.28				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	47.71	3.34				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	163.42	76.81				
		Labour For	1	m.				154.43	154.43			154.43
		Cost for	1	m.					851.33			
		Add 10% for sub mountainous region										15.44
		Labour for	1	m.								169.87
		Cost for	1	m.								866.77

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i		450mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	686.00	21609.00			
		Total - I					21609.00			
		Sundries @ 3% i.e. on Rs. 21609					648.27			
		Add contractor's profit @ 10% i.e. on Rs. 22257.27					2225.73			
		Add Labour cess @ 1% i.e. on Rs. 24483					244.83			
		Material Cost for	30	m.			24727.83			
		Material Cost for	1	m.			824.26	824.26		824.26
		For lowering in trench 450mm dia		Having weight	4.24	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 450mm i/d	1	m.	Having wt. in MT	0.14	79.99			
		For cutting R.C.C. Pipe 450mm dia		Having o/d in mm	560					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 450mm i/d	1	Cuts	Having o/d in mm	560	52.70			
		For Jointing R.C.C. Pipe 450mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	12.890	262.27	3380.66				
ii		Sand			Cum	0.563	200.59	112.93				
iii		Fitter Pipe (1st Class)			Each	15.000	223.36	3350.40				
iv		Mazdoor (Skilled - Upper)			Each	40.000	164.69	6587.60				
v		Bhishti			Each	12.000	173.76	2085.12				
		Total						15516.71				
		Sundries @ 3% i.e. on Rs. 15516.71						465.50				
		Add contractor's profit @ 21.50% i.e. on Rs. 15982.21						3436.18				
		Add Labour cess @ 1% i.e. on Rs. 19418.39						194.18				
		Labour for	100	Joint s				19612.57				
		Labour for	1	Joint s				196.13				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	79.99	79.99				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	52.70	3.69				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	196.13	92.18				
		Labour For	1	m.				175.86	175.86			175.86
		Cost for	1	m.					1000.12			
		Add 10% for sub mountainous region										17.59
		Labour for	1	m.								193.45
		Cost for	1	m.								1017.71

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
j		500mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	844.00	26586.00			
		Total - I					26586.00			
		Sundries @ 3% i.e. on Rs. 26586					797.58			
		Add contractor's profit @ 10% i.e. on Rs. 27383.58					2738.36			
		Add Labour cess @ 1% i.e. on Rs. 30121.94					301.22			
		Material Cost for	30	m.			30423.16			
		Material Cost for	1	m.			1014.11	1014.11		1014.11
		For lowering in trench 500mm dia		Having weight	4.60	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 500mm i/d	1	m.	Having wt. in MT	0.15	85.71			
		For cutting R.C.C. Pipe 500mm dia		Having o/d in mm	610					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 500mm i/d	1	Cuts	Having o/d in mm	610	57.40			
		For Jointing R.C.C. Pipe 500mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	14.060	262.27	3687.52				
ii		Sand			Cum	0.614	200.59	123.16				
iii		Fitter Pipe (1st Class)			Each	17.000	223.36	3797.12				
iv		Mazdoor (Skilled - Upper)			Each	50.000	164.69	8234.50				
v		Bhishti			Each	13.000	173.76	2258.88				
		Total						18101.18				
		Sundries @ 3% i.e. on Rs. 18101.18						543.04				
		Add contractor's profit @ 21.50% i.e. on Rs. 18644.22						4008.51				
		Add Labour cess @ 1% i.e. on Rs. 22652.73						226.53				
		Labour for	100	Joint s				22879.26				
		Labour for	1	Joint s				228.79				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	85.71	85.71				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	57.40	4.02				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	228.79	107.53				
		Labour For	1	m.				197.26	197.26			197.26
		Cost for	1	m.					1211.37			
		Add 10% for sub mountainous region										19.73
		Labour for	1	m.								216.99
		Cost for	1	m.								1231.10

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
k		600mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1161.00	36571.50			
		Total - I					36571.50			
		Sundries @ 3% i.e. on Rs. 36571.5					1097.15			
		Add contractor's profit @ 10% i.e. on Rs. 37668.65					3766.87			
		Add Labour cess @ 1% i.e. on Rs. 41435.52					414.36			
		Material Cost for	30	m.			41849.88			
		Material Cost for	1	m.			1395.00	1395.00		1395.00
		For lowering in trench 600mm dia		Having weight	5.40	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt. in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 600mm i/d	1	m.	Having wt. in MT	0.18	102.85			
		For cutting R.C.C. Pipe 600mm dia		Having o/d in mm	720					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 600mm i/d	1	Cuts	Having o/d in mm	720	67.76			
		For Jointing R.C.C. Pipe 600mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	18.510	262.27	4854.62				
ii		Sand			Cum	0.806	200.59	161.68				
iv		Fitter Pipe (1st Class)			Each	19.000	223.36	4243.84				
v		Mazdoor (Skilled - Upper)			Each	60.000	164.69	9881.40				
vi		Bhishti			Each	14.000	173.76	2432.64				
		Total						21574.18				
		Sundries @ 3% i.e. on Rs. 21574.18						647.23				
		Add contractor's profit @ 21.50% i.e. on Rs. 22221.41						4777.60				
		Add Labour cess @ 1% i.e. on Rs. 26999.01						269.99				
		Labour for	100	Joint s				27269.00				
		Labour for	1	Joint s				272.69				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	102.85	102.85				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	67.76	4.74				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	272.69	128.16				
		Labour For	1	m.				235.75	235.75			235.75
		Cost for	1	m.					1630.75			
		Add 10% for sub mountainous region										23.58
		Labour for	1	m.								259.33
		Cost for	1	m.								1654.33

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
I		700mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1372.00	43218.00			
		Total - I					43218.00			
		Sundries @ 3% i.e. on Rs. 43218					1296.54			
		Add contractor's profit @ 10% i.e. on Rs. 44514.54					4451.45			
		Add Labour cess @ 1% i.e. on Rs. 48965.99					489.66			
		Material Cost for	30	m.			49455.65			
		Material Cost for	1	m.			1648.52	1648.52		1648.52
		For lowering in trench 700mm dia		Having weight	7.29	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 700mm i/d	1	m.	Having wt. in MT	0.24	137.13			
		For cutting R.C.C. Pipe 700mm dia		Having o/d in mm	825					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 700mm i/d	1	Cuts	Having o/d in mm	825	77.64			
		For Jointing R.C.C. Pipe 700mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	21.030	262.27	5515.54				
ii		Sand			Cum	0.919	200.59	184.34				
iii		Fitter Pipe (1st Class)			Each	20.000	223.36	4467.20				
iv		Mazdoor (Skilled - Upper)			Each	70.000	164.69	11528.30				
v		Bhishti			Each	15.000	173.76	2606.40				
		Total						24301.78				
		Sundries @ 3% i.e. on Rs. 24301.78						729.05				
		Add contractor's profit @ 21.50% i.e. on Rs. 25030.83						5381.63				
		Add Labour cess @ 1% i.e. on Rs. 30412.46						304.12				
		Labour for	100	Joint s				30716.58				
		Labour for	1	Joint s				307.17				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	137.13	137.13				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	77.64	5.43				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	307.17	144.37				
		Labour For	1	m.				286.93	286.93			286.93
		Cost for	1	m.					1935.45			
		Add 10% for sub mountainous region										28.69
		Labour for	1	m.								315.62
		Cost for	1	m.								1964.14

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
m		800mm i/d pipe										
			Unit :-	1	m.							
			Taking output :-	30	m.							
I		Material										
i		Supply of R.C.C. Pipe including wastage and breakage 5%			m.	31.500	1899.00	59818.50				
		Total - I						59818.50				
		Sundries @ 3% i.e. on Rs. 59818.5						1794.56				
		Add contractor's profit @ 10% i.e. on Rs. 61613.06						6161.31				
		Add Labour cess @ 1% i.e. on Rs. 67774.37						677.74				
			Material Cost for	30	m.			68452.11				
			Material Cost for	1	m.			2281.74	2281.74			2281.74
		For lowering in trench 800mm dia			Having weight 9.44		MT					
II		Labour										
		Taking output for 600mm i/d :-			30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)				Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)				Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne				Each	0.500	4000.00	2000.00			
		Total - II							2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06							73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29							540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86							30.55			
			Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41				
			Labour for 800mm i/d	1	m.	Having wt. in MT	0.31	177.13				
		For cutting R.C.C. Pipe 800mm dia			Having o/d in mm		935					
III		Labour										
		Taking Output for 225 i/d :-			15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)				Each	1.375	223.36	307.12			
ii		Total							0.00			
		Sundries @ 3% i.e. on Rs. 307.12							307.12			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33							9.21			
		Add Labour cess @ 1% i.e. on Rs. 384.34							68.01			
			Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18				
			Labour for 800mm i/d	1	Cuts	Having o/d in mm	935	87.99				
		For Jointing R.C.C. Pipe 800mm dia										
IV		Labour										
		Taking Output :-			100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	26.400	262.27	6923.93				
ii		Sand			Cum	1.155	200.59	231.68				
iii		Fitter Pipe (1st Class)			Each	24.000	223.36	5360.64				
iv		Mazdoor (Skilled - Upper)			Each	80.000	164.69	13175.20				
v		Bhishti			Each	16.000	173.76	2780.16				
		Total						28471.61				
		Sundries @ 3% i.e. on Rs. 28471.61						854.15				
		Add contractor's profit @ 21.50% i.e. on Rs. 29325.76						6305.04				
		Add Labour cess @ 1% i.e. on Rs. 35630.8						356.31				
		Labour for	100	Joint s				35987.11				
		Labour for	1	Joint s				359.87				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	177.13	177.13				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	87.99	6.16				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	359.87	169.14				
		Labour For	1	m.				352.43	352.43			352.43
		Cost for	1	m.					2634.17			
		Add 10% for sub mountainous region										35.24
		Labour for	1	m.								387.67
		Cost for	1	m.								2669.41

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
n		900mm i/d pipe										
			Unit :-	1	m.							
			Taking output :-	30	m.							
I		Material										
i		Supply of R.C.C. Pipe including wastage and breakage 5%			m.	31.500	2321.00	73111.50				
		Total - I						73111.50				
		Sundries @ 3% i.e. on Rs. 73111.5						2193.35				
		Add contractor's profit @ 10% i.e. on Rs. 75304.85						7530.49				
		Add Labour cess @ 1% i.e. on Rs. 82835.34						828.35				
			Material Cost for	30	m.			83663.69				
			Material Cost for	1	m.			2788.79	2788.79			2788.79
		For lowering in trench 900mm dia				Having weight	11.07	MT				
II		Labour										
		Taking output for 600mm i/d :-			30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)				Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)				Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne				Each	0.500	4000.00	2000.00			
		Total - II							2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06							73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29							540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86							30.55			
			Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41				
			Labour for 900mm i/d	1	m.	Having wt. in MT	0.37	211.41				
		For cutting R.C.C. Pipe 900mm dia				Having o/d in mm	1050					
III		Labour										
		Taking Output for 225 i/d :-			15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)				Each	1.375	223.36	307.12			
ii		Total							0.00			
		Sundries @ 3% i.e. on Rs. 307.12							307.12			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33							9.21			
		Add Labour cess @ 1% i.e. on Rs. 384.34							68.01			
			Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18				
			Labour for 900mm i/d	1	Cuts	Having o/d in mm	1050	98.81				
		For Jointing R.C.C. Pipe 900mm dia										
IV		Labour										
		Taking Output :-			100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	32.570	262.27	8542.13				
ii		Sand			Cum	1.426	200.59	286.04				
iii		Fitter Pipe (1st Class)			Each	27.000	223.36	6030.72				
iv		Mazdoor (Skilled - Upper)			Each	90.000	164.69	14822.10				
v		Bhishti			Each	17.000	173.76	2953.92				
		Total						32634.91				
		Sundries @ 3% i.e. on Rs. 32634.91						979.05				
		Add contractor's profit @ 21.50% i.e. on Rs. 33613.96						7227.00				
		Add Labour cess @ 1% i.e. on Rs. 40840.96						408.41				
		Labour for	100	Joint s				41249.37				
		Labour for	1	Joint s				412.49				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	211.41	211.41				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	98.81	6.92				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	412.49	193.87				
		Labour For	1	m.				412.20	412.20			412.20
		Cost for	1	m.					3200.99			
		Add 10% for sub mountainous region										41.22
		Labour for	1	m.								453.42
		Cost for	1	m.								3242.21

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
o		1000mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	2901.00	91381.50			
		Total - I					91381.50			
		Sundries @ 3% i.e. on Rs. 91381.5					2741.45			
		Add contractor's profit @ 10% i.e. on Rs. 94122.95					9412.30			
		Add Labour cess @ 1% i.e. on Rs. 103535.25					1035.35			
		Material Cost for	30	m.			104570.60			
		Material Cost for	1	m.			3485.69	3485.69		3485.69
		lowering stringing out in trench 1000mm dia		Having weight	14.27	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 1000mm i/d	1	m.	Having wt. in MT	0.48	274.26			
		For cutting R.C.C. Pipe 1000mm dia		Having o/d in mm	1155					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1000mm i/d	1	Cuts	Having o/d in mm	1155	108.69			
		For Jointing R.C.C. Pipe 1000mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	39.710	262.27	10414.74				
ii		Sand			Cum	1.786	200.59	358.25				
iii		Fitter Pipe (1st Class)			Each	30.000	223.36	6700.80				
iv		Mazdoor (Skilled - Upper)			Each	100.000	164.69	16469.00				
v		Bhishti			Each	18.000	173.76	3127.68				
		Total						37070.47				
		Sundries @ 3% i.e. on Rs. 37070.47						1112.11				
		Add contractor's profit @ 21.50% i.e. on Rs. 38182.58						8209.25				
		Add Labour cess @ 1% i.e. on Rs. 46391.83						463.92				
		Labour for	100	Joint s				46855.75				
		Labour for	1	Joint s				468.56				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	274.26	274.26				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	108.69	7.61				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	468.56	220.22				
		Labour For	1	m.				502.09	502.09			502.09
		Cost for	1	m.					3987.78			
		Add 10% for sub mountainous region										50.21
		Labour for	1	m.								552.30
		Cost for	1	m.								4037.99

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
P		1100mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	3376.00	106344.00			
		Total - I					106344.00			
		Sundries @ 3% i.e. on Rs. 106344					3190.32			
		Add contractor's profit @ 10% i.e. on Rs. 109534.32					10953.43			
		Add Labour cess @ 1% i.e. on Rs. 120487.75					1204.88			
		Material Cost for	30	m.			121692.63			
		Material Cost for	1	m.			4056.42	4056.42		4056.42
		For lowering in trench 1100mm dia		Having weight	17.29	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 1100mm i/d	1	m.	Having wt. in MT	0.58	331.40			
		For cutting R.C.C. Pipe 1100mm dia		Having o/d in mm	1275					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1100mm i/d	1	Cuts	Having o/d in mm	1275	119.98			
		For Jointing R.C.C. Pipe 1100mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	47.770	262.27	12528.64				
ii		Sand			Cum	2.089	200.59	419.03				
iii		Fitter Pipe (1st Class)			Each	35.000	223.36	7817.60				
iv		Mazdoor (Skilled - Upper)			Each	110.000	164.69	18115.90				
v		Bhishti			Each	19.000	173.76	3301.44				
		Total						42182.61				
		Sundries @ 3% i.e. on Rs. 42182.61						1265.48				
		Add contractor's profit @ 21.50% i.e. on Rs. 43448.09						9341.34				
		Add Labour cess @ 1% i.e. on Rs. 52789.43						527.89				
		Labour for	100	Joint s				53317.32				
		Labour for	1	Joint s				533.17				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	331.40	331.40				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	119.98	8.40				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	533.17	250.59				
		Labour For	1	m.				590.39	590.39			590.39
		Cost for	1	m.					4646.81			
		Add 10% for sub mountainous region										59.04
		Labour for	1	m.								649.43
		Cost for	1	m.								4705.85

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
q		1200mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	3693.00	116329.50			
		Total - I					116329.50			
		Sundries @ 3% i.e. on Rs. 116329.5					3489.89			
		Add contractor's profit @ 10% i.e. on Rs. 119819.39					11981.94			
		Add Labour cess @ 1% i.e. on Rs. 131801.33					1318.01			
		Material Cost for	30	m.			133119.34			
		Material Cost for	1	m.			4437.31	4437.31		4437.31
		For lowering in trench 1200mm dia		Having weight	20.31	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 1200mm i/d	1	m.	Having wt. in MT	0.68	388.53			
		For cutting R.C.C. Pipe 1200mm dia		Having o/d in mm	1380					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1200mm i/d	1	Cuts	Having o/d in mm	1380	129.86			
		For Jointing R.C.C. Pipe 1200mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	56.890	262.27	14920.54				
ii		Sand			Cum	2.489	200.59	499.27				
iii		Fitter Pipe (1st Class)			Each	37.000	223.36	8264.32				
iv		Mazdoor (Skilled - Upper)			Each	120.000	164.69	19762.80				
v		Bhishti			Each	20.000	173.76	3475.20				
		Total						46922.13				
		Sundries @ 3% i.e. on Rs. 46922.13						1407.66				
		Add contractor's profit @ 21.50% i.e. on Rs. 48329.79						10390.90				
		Add Labour cess @ 1% i.e. on Rs. 58720.69						587.21				
		Labour for	100	Joint s				59307.90				
		Labour for	1	Joint s				593.08				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	388.53	388.53				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	129.86	9.09				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	593.08	278.75				
		Labour For	1	m.				676.37	676.37			676.37
		Cost for	1	m.					5113.68			
		Add 10% for sub mountainous region										67.64
		Labour for	1	m.								744.01
		Cost for	1	m.								5181.32

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
C		R.C.C. Pipe NP -3								
a		100mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	300.00	9450.00			
		Total - I					9450.00			
		Sundries @ 3% i.e. on Rs. 9450					283.50			
		Add contractor's profit @ 10% i.e. on Rs. 9733.5					973.35			
		Add Labour cess @ 1% i.e. on Rs. 10706.85					107.07			
		Material Cost for	30	m.			10813.92			
		Material Cost for	1	m.			360.46	360.46		360.46
		For lowering in trench 100mm dia		Having weight	0.8	MT				
II		Labour								
		Taking output for 200mm i/d :-	30	m.	Having wt. in MT	1.43				
i		Fitter Pipe (Ist Class)			Each	0.250	223.36	55.84		
ii		Mazdoor (Skilled - Upper)			Each	1.000	164.69	164.69		
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 200mm i/d	30	m.	Having wt. in MT	1.43	278.75			
		Labour for 100mm i/d	1	m.	Having wt. in MT	0.03	5.85			
		For cutting R.C.C. Pipe 100mm dia		Having o/d in mm	150					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)			Each	1.375	223.36	307.12		
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					307.12			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					9.21			
		Add Labour cess @ 1% i.e. on Rs. 384.34					68.01			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 100 mm i/d	1	Cuts	Having o/d in mm	150	14.12			
		For Jointing R.C.C. Pipe 100mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	2.030	262.27	532.41				
ii		Sand			Cum	0.088	200.59	17.65				
iii		Fitter Pipe (1st Class)			Each	3.000	223.36	670.08				
iv		Mazdoor (Skilled - Upper)			Each	7.000	164.69	1152.83				
v		Bhishti			Each	2.000	173.76	347.52				
		Total						2720.49				
		Sundries @ 3% i.e. on Rs. 2720.49						81.61				
		Add contractor's profit @ 21.50% i.e. on Rs. 2802.1						602.45				
		Add Labour cess @ 1% i.e. on Rs. 3404.55						34.05				
		Labour for	100	Joint s				3438.60				
		Labour for	1	Joint s				34.39				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	5.85	5.85				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	14.12	0.99				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	34.39	16.16				
		Labour For	1	m.				23.00	23.00			23.00
		Cost for	1	m.					383.46			
		Add 10% for sub mountainous region										2.30
		Labour for	1	m.								25.30
		Cost for	1	m.								385.76

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		150mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	325.00	10237.50			
		Total - I					10237.50			
		Sundries @ 3% i.e. on Rs. 10237.5					307.13			
		Add contractor's profit @ 10% i.e. on Rs. 10544.63					1054.46			
		Add Labour cess @ 1% i.e. on Rs. 11599.09					115.99			
		Material Cost for	30	m.			11715.08			
		Material Cost for	1	m.			390.50	390.50		390.50
		For lowering in trench 150mm dia		Having weight	1.12	MT				
II		Labour								
		Taking output for 200mm i/d :-	30	m.	Having wt . in MT	1.43				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 200mm i/d	30	m.	Having wt. in MT	1.43	278.75			
		Labour for 150mm i/d	1	m.	Having wt. in MT	0.04	7.80			
		For cutting R.C.C. Pipe 150mm dia		Having o/d in mm	200					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					307.12			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					9.21			
		Add Labour cess @ 1% i.e. on Rs. 384.34					68.01			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 150 mm i/d	1	Cuts	Having o/d in mm	200	18.82			
		For Jointing R.C.C. Pipe 150mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	2.600	262.27	681.90				
ii		Sand			Cum	0.113	200.59	22.67				
iii		Fitter Pipe (1st Class)			Each	4.000	223.36	893.44				
iv		Mazdoor (Skilled - Upper)			Each	9.000	164.69	1482.21				
v		Bhishti			Each	3.000	173.76	521.28				
		Total						3601.50				
		Sundries @ 3% i.e. on Rs. 3601.5						108.05				
		Add contractor's profit @ 21.50% i.e. on Rs. 3709.55						797.55				
		Add Labour cess @ 1% i.e. on Rs. 4507.1						45.07				
		Labour for	100	Joint s				4552.17				
		Labour for	1	Joint s				45.52				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	7.80	7.80				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	18.82	1.32				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	45.52	21.39				
		Labour For	1	m.				30.51	30.51			30.51
		Cost for	1	m.					421.01			
		Add 10% for sub mountainous region										3.05
		Labour for	1	m.								33.56
		Cost for	1	m.								424.06

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c		200mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	450.00	14175.00			
		Total - I					14175.00			
		Sundries @ 3% i.e. on Rs. 14175					425.25			
		Add contractor's profit @ 10% i.e. on Rs. 14600.25					1460.03			
		Add Labour cess @ 1% i.e. on Rs. 16060.28					160.60			
		Material Cost for	30	m.			16220.88			
		Material Cost for	1	m.			540.70	540.70		540.70
		For lowering in trench 200mm dia		Having weight	1.43	MT				
II		Labour								
		Taking output for 200mm i/d :-	30	m.	Having wt . in MT	1.43				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 200mm i/d	30	m.	Having wt. in MT	1.43	278.75			
		Labour for 200mm i/d	1	m.	Having wt. in MT	0.05	9.75			
		For cutting R.C.C. Pipe 200mm dia		Having o/d in mm	250					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 200mm i/d	1	Cuts	Having o/d in mm	250	23.53			
		For Jointing R.C.C. Pipe 200mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	3.200	262.27	839.26				
ii		Sand			Cum	0.139	200.59	27.88				
iii		Fitter Pipe (1st Class)			Each	5.000	223.36	1116.80				
iv		Mazdoor (Skilled - Upper)			Each	12.000	164.69	1976.28				
v		Bhishti			Each	4.000	173.76	695.04				
		Total						4655.26				
		Sundries @ 3% i.e. on Rs. 4655.26						139.66				
		Add contractor's profit @ 21.50% i.e. on Rs. 4794.92						1030.91				
		Add Labour cess @ 1% i.e. on Rs. 5825.83						58.26				
		Labour for	100	Joint s				5884.09				
		Labour for	1	Joint s				58.84				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	9.75	9.75				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	23.53	1.65				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	58.84	27.65				
		Labour For	1	m.				39.05	39.05			39.05
		Cost for	1	m.					579.75			
		Add 10% for sub mountainous region										3.91
		Labour for	1	m.								42.96
		Cost for	1	m.								583.66

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d		225mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	475.00	14962.50			
		Total - I					14962.50			
		Sundries @ 3% i.e. on Rs. 14962.5					448.88			
		Add contractor's profit @ 10% i.e. on Rs. 15411.38					1541.14			
		Add Labour cess @ 1% i.e. on Rs. 16952.52					169.53			
		Material Cost for	30	m.			17122.05			
		Material Cost for	1	m.			570.74	570.74		570.74
		For lowering in trench 225mm dia		Having weight	1.61	MT				
II		Labour								
		Taking output for 200mm i/d :-	30	m.	Having wt . in MT	1.43				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 200mm i/d	30	m.	Having wt. in MT	1.43	278.75			
		Labour for 225mm i/d	1	m.	Having wt. in MT	0.05	9.75			
		For cutting R.C.C. Pipe 225mm dia		Having o/d in mm	275					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 225mm i/d	1	Cuts	Having o/d in mm	275	25.88			
		For Jointing R.C.C. Pipe 225mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	3.490	262.27	915.32				
ii		Sand			Cum	0.152	200.59	30.49				
iii		Fitter Pipe (1st Class)			Each	7.000	223.36	1563.52				
iv		Mazdoor (Skilled - Upper)			Each	16.000	164.69	2635.04				
v		Bhishti			Each	5.000	173.76	868.80				
		Total						6013.17				
		Sundries @ 3% i.e. on Rs. 6013.17						180.40				
		Add contractor's profit @ 21.50% i.e. on Rs. 6193.57						1331.62				
		Add Labour cess @ 1% i.e. on Rs. 7525.19						75.25				
		Labour for	100	Joint s				7600.44				
		Labour for	1	Joint s				76.00				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	9.75	9.75				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	25.88	1.81				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	76.00	35.72				
		Labour For	1	m.				47.28	47.28			47.28
		Cost for	1	m.					618.02			
		Add 10% for sub mountainous region										4.73
		Labour for	1	m.								52.01
		Cost for	1	m.								622.75

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
e		250mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	500.00	15750.00			
		Total - I					15750.00			
		Sundries @ 3% i.e. on Rs. 15750					472.50			
		Add contractor's profit @ 10% i.e. on Rs. 16222.5					1622.25			
		Add Labour cess @ 1% i.e. on Rs. 17844.75					178.45			
		Material Cost for	30	m.			18023.20			
		Material Cost for	1	m.			600.77	600.77		600.77
		For lowering in trench 250mm dia		Having weight	1.88	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	278.75			
		Labour for 250mm i/d	1	m.	Having wt. in MT	0.06	3.10			
		For cutting R.C.C. Pipe 250mm dia		Having o/d in mm	300					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 250mm i/d	1	Cuts	Having o/d in mm	300	28.23			
		For Jointing R.C.C. Pipe 250mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	3.770	262.27	988.76				
ii		Sand			Cum	0.166	200.59	33.30				
iii		Fitter Pipe (1st Class)			Each	8.000	223.36	1786.88				
iv		Mazdoor (Skilled - Upper)			Each	18.000	164.69	2964.42				
v		Bhishti			Each	6.000	173.76	1042.56				
		Total						6815.92				
		Sundries @ 3% i.e. on Rs. 6815.92						204.48				
		Add contractor's profit @ 21.50% i.e. on Rs. 7020.4						1509.39				
		Add Labour cess @ 1% i.e. on Rs. 8529.79						85.30				
		Labour for	100	Joint s				8615.09				
		Labour for	1	Joint s				86.15				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	3.10	3.10				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	28.23	1.98				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	86.15	40.49				
		Labour For	1	m.				45.57	45.57			45.57
		Cost for	1	m.					646.34			
		Add 10% for sub mountainous region										4.56
		Labour for	1	m.								50.13
		Cost for	1	m.								650.90

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
f		300mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	620.00	19530.00			
		Total - I					19530.00			
		Sundries @ 3% i.e. on Rs. 19530					585.90			
		Add contractor's profit @ 10% i.e. on Rs. 20115.9					2011.59			
		Add Labour cess @ 1% i.e. on Rs. 22127.49					221.27			
		Material Cost for	30	m.			22348.76			
		Material Cost for	1	m.			744.96	744.96		744.96
		For lowering in trench 300mm dia		Having weight	2.41	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	278.75			
		Labour for 300mm i/d	1	m.	Having wt. in MT	0.08	4.13			
		For cutting R.C.C. Pipe 300mm dia		Having o/d in mm	360					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii										
		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 300mm i/d	1	Cuts	Having o/d in mm	360	33.88			
		For Jointing R.C.C. Pipe 300mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	6.170	262.27	1618.21				
ii		Sand			Cum	0.269	200.59	53.96				
iii		Fitter Pipe (1st Class)			Each	9.000	223.36	2010.24				
iv		Mazdoor (Skilled - Upper)			Each	20.000	164.69	3293.80				
v		Bhishti			Each	7.000	173.76	1216.32				
		Total						8192.53				
		Sundries @ 3% i.e. on Rs. 8192.53						245.78				
		Add contractor's profit @ 21.50% i.e. on Rs. 8438.31						1814.24				
		Add Labour cess @ 1% i.e. on Rs. 10252.55						102.53				
		Labour for	100	Joint s				10355.08				
		Labour for	1	Joint s				103.55				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	4.13	4.13				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	33.88	2.37				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	103.55	48.67				
		Labour For	1	m.				55.17	55.17			55.17
		Cost for	1	m.					800.13			
		Add 10% for sub mountainous region										5.52
		Labour for	1	m.								60.69
		Cost for	1	m.								805.65

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
g		350mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1000.00	31500.00			
		Total - I					31500.00			
		Sundries @ 3% i.e. on Rs. 31500					945.00			
		Add contractor's profit @ 10% i.e. on Rs. 32445					3244.50			
		Add Labour cess @ 1% i.e. on Rs. 35689.5					356.90			
		Material Cost for	30	m.			36046.40			
		Material Cost for	1	m.			1201.55	1201.55		1201.55
		For lowering in trench 350mm dia		Having weight	7.5	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	278.75			
		Labour for 350mm i/d	1	m.	Having wt. in MT	0.25	12.91			
		For cutting R.C.C. Pipe 350mm dia		Having o/d in mm	457					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 350mm i/d	1	Cuts	Having o/d in mm	457	43.01			
		For Jointing R.C.C. Pipe 350mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	2.400	262.27	629.45				
ii		Sand			Cum	0.323	200.59	64.79				
iii		Fitter Pipe (1st Class)			Each	11.000	223.36	2456.96				
iv		Mazdoor (Skilled - Upper)			Each	25.000	164.69	4117.25				
v		Bhishti			Each	9.000	173.76	1563.84				
		Total						8832.29				
		Sundries @ 3% i.e. on Rs. 8832.29						264.97				
		Add contractor's profit @ 21.50% i.e. on Rs. 9097.26						1955.91				
		Add Labour cess @ 1% i.e. on Rs. 11053.17						110.53				
		Labour for	100	Joint s				11163.70				
		Labour for	1	Joint s				111.64				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	12.91	12.91				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	43.01	3.01				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	111.64	52.47				
		Labour For	1	m.				68.39	68.39			68.39
		Cost for	1	m.					1269.94			
		Add 10% for sub mountainous region										6.84
		Labour for	1	m.								75.23
		Cost for	1	m.								1276.78

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
h		400mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1100.00	34650.00			
		Total - I					34650.00			
		Sundries @ 3% i.e. on Rs. 34650					1039.50			
		Add contractor's profit @ 10% i.e. on Rs. 35689.5					3568.95			
		Add Labour cess @ 1% i.e. on Rs. 39258.45					392.58			
		Material Cost for	30	m.			39651.03			
		Material Cost for	1	m.			1321.70	1321.70		1321.70
		For lowering in trench 400mm dia		Having weight	8.39	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 400mm i/d	1	m.	Having wt. in MT	0.28	159.98			
		For cutting R.C.C. Pipe 400mm dia		Having o/d in mm	507					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 400mm i/d	1	Cuts	Having o/d in mm	507	47.71			
		For Jointing R.C.C. Pipe 400mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	8.230	262.27	2158.48				
ii		Sand			Cum	0.360	200.59	72.21				
iii		Fitter Pipe (1st Class)			Each	18.000	223.36	4020.48				
iv		Mazdoor (Skilled - Upper)			Each	30.000	164.69	4940.70				
v		Bhishti			Each	10.000	173.76	1737.60				
		Total						12929.47				
		Sundries @ 3% i.e. on Rs. 12929.47						387.88				
		Add contractor's profit @ 21.50% i.e. on Rs. 13317.35						2863.23				
		Add Labour cess @ 1% i.e. on Rs. 16180.58						161.81				
		Labour for	100	Joint s				16342.39				
		Labour for	1	Joint s				163.42				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	159.98	159.98				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	47.71	3.34				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	163.42	76.81				
		Labour For	1	m.				240.13	240.13			240.13
		Cost for	1	m.				1561.83				
		Add 10% for sub mountainous region										24.01
		Labour for	1	m.								264.14
		Cost for	1	m.								1585.84

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i		450mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1300.00	40950.00			
		Total - I					40950.00			
		Sundries @ 3% i.e. on Rs. 40950					1228.50			
		Add contractor's profit @ 10% i.e. on Rs. 42178.5					4217.85			
		Add Labour cess @ 1% i.e. on Rs. 46396.35					463.96			
		Material Cost for	30	m.			46860.31			
		Material Cost for	1	m.			1562.01	1562.01		1562.01
		For lowering in trench 450mm dia		Having weight	9.27	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 450mm i/d	1	m.	Having wt. in MT	0.31	177.13			
		For cutting R.C.C. Pipe 450mm dia		Having o/d in mm	560					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 450mm i/d	1	Cuts	Having o/d in mm	560	52.70			
		For Jointing R.C.C. Pipe 450mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	12.890	262.27	3380.66				
ii		Sand			Cum	0.563	200.59	112.93				
iv		Fitter Pipe (1st Class)			Each	15.000	223.36	3350.40				
v		Mazdoor (Skilled - Upper)			Each	40.000	164.69	6587.60				
vi		Bhishti			Each	12.000	173.76	2085.12				
		Total						15516.71				
		Sundries @ 3% i.e. on Rs. 15516.71						465.50				
		Add contractor's profit @ 21.50% i.e. on Rs. 15982.21						3436.18				
		Add Labour cess @ 1% i.e. on Rs. 19418.39						194.18				
		Labour for	100	Joint s				19612.57				
		Labour for	1	Joint s				196.13				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	177.13	177.13				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	52.70	3.69				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	196.13	92.18				
		Labour For	1	m.				273.00	273.00			273.00
		Cost for	1	m.					1835.01			
		Add 10% for sub mountainous region										27.30
		Labour for	1	m.								300.30
		Cost for	1	m.								1862.31

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
j		500mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1495.00	47092.50			
		Total - I					47092.50			
		Sundries @ 3% i.e. on Rs. 47092.5					1412.78			
		Add contractor's profit @ 10% i.e. on Rs. 48505.28					4850.53			
		Add Labour cess @ 1% i.e. on Rs. 53355.81					533.56			
		Material Cost for	30	m.			53889.37			
		Material Cost for	1	m.			1796.31	1796.31		1796.31
		For lowering in trench 500mm dia		Having weight	10.14	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 500mm i/d	1	m.	Having wt. in MT	0.34	194.27			
		For cutting R.C.C. Pipe 500mm dia		Having o/d in mm	610					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 500mm i/d	1	Cuts	Having o/d in mm	610	57.40			
		For Jointing R.C.C. Pipe 500mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	14.060	262.27	3687.52				
ii		Sand			Cum	0.614	200.59	123.16				
iii		Fitter Pipe (1st Class)			Each	17.000	223.36	3797.12				
iv		Mazdoor (Skilled - Upper)			Each	50.000	164.69	8234.50				
v		Bhishti			Each	13.000	173.76	2258.88				
		Total						18101.18				
		Sundries @ 3% i.e. on Rs. 18101.18						543.04				
		Add contractor's profit @ 21.50% i.e. on Rs. 18644.22						4008.51				
		Add Labour cess @ 1% i.e. on Rs. 22652.73						226.53				
		Labour for	100	Joint s				22879.26				
		Labour for	1	Joint s				228.79				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	194.27	194.27				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	57.40	4.02				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	228.79	107.53				
		Labour For	1	m.				305.82	305.82			305.82
		Cost for	1	m.					2102.13			
		Add 10% for sub mountainous region										30.58
		Labour for	1	m.								336.40
		Cost for	1	m.								2132.71

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
k		600mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1800.00	56700.00			
		Total - I					56700.00			
		Sundries @ 3% i.e. on Rs. 56700					1701.00			
		Add contractor's profit @ 10% i.e. on Rs. 58401					5840.10			
		Add Labour cess @ 1% i.e. on Rs. 64241.1					642.41			
		Material Cost for	30	m.			64883.51			
		Material Cost for	1	m.			2162.78	2162.78		2162.78
		For lowering in trench 600mm dia		Having weight	12.81	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 600mm i/d	1	m.	Having wt. in MT	0.43	245.69			
		For cutting R.C.C. Pipe 600mm dia		Having o/d in mm	720					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 600mm i/d	1	Cuts	Having o/d in mm	720	67.76			
		For Jointing R.C.C. Pipe 600mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	18.510	262.27	4854.62				
ii		Sand			Cum	0.806	200.59	161.68				
iii		Fitter Pipe (1st Class)			Each	19.000	223.36	4243.84				
iv		Mazdoor (Skilled - Upper)			Each	60.000	164.69	9881.40				
v		Bhishti			Each	14.000	173.76	2432.64				
		Total						21574.18				
		Sundries @ 3% i.e. on Rs. 21574.18						647.23				
		Add contractor's profit @ 21.50% i.e. on Rs. 22221.41						4777.60				
		Add Labour cess @ 1% i.e. on Rs. 26999.01						269.99				
		Labour for	100	Joint s				27269.00				
		Labour for	1	Joint s				272.69				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	245.69	245.69				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	67.76	4.74				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	272.69	128.16				
		Labour For	1	m.				378.59	378.59			378.59
		Cost for	1	m.				2541.37				
		Add 10% for sub mountainous region										37.86
		Labour for	1	m.								416.45
		Cost for	1	m.								2579.23

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
I		700mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	2530.00	79695.00			
		Total - I					79695.00			
		Sundries @ 3% i.e. on Rs. 79695					2390.85			
		Add contractor's profit @ 10% i.e. on Rs. 82085.85					8208.59			
		Add Labour cess @ 1% i.e. on Rs. 90294.44					902.94			
		Material Cost for	30	m.			91197.38			
		Material Cost for	1	m.			3039.91	3039.91		3039.91
		For lowering in trench 700mm dia		Having weight	14.70	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 700mm i/d	1	m.	Having wt. in MT	0.49	279.97			
		For cutting R.C.C. Pipe 700mm dia		Having o/d in mm	825					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 700mm i/d	1	Cuts	Having o/d in mm	825	77.64			
		For Jointing R.C.C. Pipe 700mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	21.030	262.27	5515.54				
ii		Sand			Cum	0.919	200.59	184.34				
iii		Fitter Pipe (1st Class)			Each	20.000	223.36	4467.20				
iv		Mazdoor (Skilled - Upper)			Each	70.000	164.69	11528.30				
v		Bhishti			Each	15.000	173.76	2606.40				
		Total						24301.78				
		Sundries @ 3% i.e. on Rs. 24301.78						729.05				
		Add contractor's profit @ 21.50% i.e. on Rs. 25030.83						5381.63				
		Add Labour cess @ 1% i.e. on Rs. 30412.46						304.12				
		Labour for	100	Joint s				30716.58				
		Labour for	1	Joint s				307.17				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	279.97	279.97				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	77.64	5.43				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	307.17	144.37				
		Labour For	1	m.				429.77	429.77			429.77
		Cost for	1	m.					3469.68			
		Add 10% for sub mountainous region										42.98
		Labour for	1	m.								472.75
		Cost for	1	m.								3512.66

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
m		800mm i/d pipe										
			Unit :-	1	m.							
			Taking output :-	30	m.							
I		Material										
i		Supply of R.C.C. Pipe including wastage and breakage 5%			m.	31.500	3080.00	97020.00				
		Total - I						97020.00				
		Sundries @ 3% i.e. on Rs. 97020						2910.60				
		Add contractor's profit @ 10% i.e. on Rs. 99930.6						9993.06				
		Add Labour cess @ 1% i.e. on Rs. 109923.66						1099.24				
			Material Cost for	30	m.			111022.90				
			Material Cost for	1	m.			3700.76	3700.76			3700.76
		For lowering in trench 800mm dia				Having weight	18.87	MT				
II		Labour										
			Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40					
i		Fitter Pipe (Ist Class)				Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)				Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne				Each	0.500	4000.00	2000.00			
		Total - II							2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06							73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29							540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86							30.55			
			Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41				
			Labour for 800mm i/d	1	m.	Having wt. in MT	0.63	359.96				
		For cutting R.C.C. Pipe 800mm dia				Having o/d in mm	935					
III		Labour										
			Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275					
i		Fitter Pipe (Ist Class)				Each	1.375	223.36	307.12			
ii		Total							307.12			
		Sundries @ 3% i.e. on Rs. 307.12							9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33							68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34							3.84			
			Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18				
			Labour for 800mm i/d	1	Cuts	Having o/d in mm	935	87.99				
		For Jointing R.C.C. Pipe 800mm dia										
IV		Labour										
			Taking Output :-	100	Joint s							

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	26.400	262.27	6923.93				
ii		Sand			Cum	1.155	200.59	231.68				
iii		Fitter Pipe (1st Class)			Each	24.000	223.36	5360.64				
iv		Mazdoor (Skilled - Upper)			Each	80.000	164.69	13175.20				
v		Bhishti			Each	16.000	173.76	2780.16				
		Total						28471.61				
		Sundries @ 3% i.e. on Rs. 28471.61						854.15				
		Add contractor's profit @ 21.50% i.e. on Rs. 29325.76						6305.04				
		Add Labour cess @ 1% i.e. on Rs. 35630.8						356.31				
		Labour for	100	Joint s				35987.11				
		Labour for	1	Joint s				359.87				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	359.96	359.96				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	87.99	6.16				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	359.87	169.14				
		Labour For	1	m.				535.26	535.26			535.26
		Cost for	1	m.					4236.02			
		Add 10% for sub mountainous region										53.53
		Labour for	1	m.								588.79
		Cost for	1	m.								4289.55

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
n		900mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	3575.00	112612.50			
		Total - I					112612.50			
		Sundries @ 3% i.e. on Rs. 112612.5					3378.38			
		Add contractor's profit @ 10% i.e. on Rs. 115990.88					11599.09			
		Add Labour cess @ 1% i.e. on Rs. 127589.97					1275.90			
		Material Cost for	30	m.			128865.87			
		Material Cost for	1	m.			4295.53	4295.53		4295.53
		For lowering in trench 900mm dia		Having weight	23.58	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 900mm i/d	1	m.	Having wt. in MT	0.79	451.38			
		For cutting R.C.C. Pipe 900mm dia		Having o/d in mm	1050					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 900mm i/d	1	Cuts	Having o/d in mm	1050	98.81			
		For Jointing R.C.C. Pipe 900mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	32.570	262.27	8542.13				
ii		Sand			Cum	1.426	200.59	286.04				
iii		Fitter Pipe (1st Class)			Each	27.000	223.36	6030.72				
iv		Mazdoor (Skilled - Upper)			Each	90.000	164.69	14822.10				
v		Bhishti			Each	17.000	173.76	2953.92				
		Total						32634.91				
		Sundries @ 3% i.e. on Rs. 32634.91						979.05				
		Add contractor's profit @ 21.50% i.e. on Rs. 33613.96						7227.00				
		Add Labour cess @ 1% i.e. on Rs. 40840.96						408.41				
		Labour for	100	Joint s				41249.37				
		Labour for	1	Joint s				412.49				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	451.38	451.38				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	98.81	6.92				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	412.49	193.87				
		Labour For	1	m.				652.17	652.17			652.17
		Cost for	1	m.					4947.70			
		Add 10% for sub mountainous region										65.22
		Labour for	1	m.								717.39
		Cost for	1	m.								5012.92

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
o		1000mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	4100.00	129150.00			
		Total - I					129150.00			
		Sundries @ 3% i.e. on Rs. 129150					3874.50			
		Add contractor's profit @ 10% i.e. on Rs. 133024.5					13302.45			
		Add Labour cess @ 1% i.e. on Rs. 146326.95					1463.27			
		Material Cost for	30	m.			147790.22			
		Material Cost for	1	m.			4926.34	4926.34		4926.34
		For lowering in trench 1000mm dia		Having weight	25.89	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (1st Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 1000mm i/d	1	m.	Having wt. in MT	0.86	491.38			
		For cutting R.C.C. Pipe 1000mm dia		Having o/d in mm	1155					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (1st Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1000mm i/d	1	Cuts	Having o/d in mm	1155	108.69			
		For Jointing R.C.C. Pipe 1000mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	39.710	262.27	10414.74				
ii		Sand			Cum	1.786	200.59	358.25				
iv		Fitter Pipe (1st Class)			Each	30.000	223.36	6700.80				
v		Mazdoor (Skilled - Upper)			Each	100.000	164.69	16469.00				
vi		Bhishti			Each	18.000	173.76	3127.68				
		Total						37070.47				
		Sundries @ 3% i.e. on Rs. 37070.47						1112.11				
		Add contractor's profit @ 21.50% i.e. on Rs. 38182.58						8209.25				
		Add Labour cess @ 1% i.e. on Rs. 46391.83						463.92				
		Labour for	100	Joint s				46855.75				
		Labour for	1	Joint s				468.56				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	491.38	491.38				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	108.69	7.61				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	468.56	220.22				
		Labour For	1	m.				719.21	719.21			719.21
		Cost for	1	m.				5645.55				
		Add 10% for sub mountainous region										71.92
		Labour for	1	m.								791.13
		Cost for	1	m.								5717.47

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
P		1100mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	5000.00	157500.00			
		Total - I					157500.00			
		Sundries @ 3% i.e. on Rs. 157500					4725.00			
		Add contractor's profit @ 10% i.e. on Rs. 162225					16222.50			
		Add Labour cess @ 1% i.e. on Rs. 178447.5					1784.48			
		Material Cost for	30	m.			180231.98			
		Material Cost for	1	m.			6007.73	6007.73		6007.73
		For lowering in trench 1100mm dia		Having weight	33.00	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 1100mm i/d	1	m.	Having wt. in MT	1.10	628.51			
		For cutting R.C.C. Pipe 1100mm dia		Having o/d in mm	1275					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					0.00			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1100mm i/d	1	Cuts	Having o/d in mm	1275	119.98			
		For Jointing R.C.C. Pipe 1100mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	47.770	262.27	12528.64				
ii		Sand			Cum	2.089	200.59	419.03				
iv		Fitter Pipe (1st Class)			Each	35.000	223.36	7817.60				
v		Mazdoor (Skilled - Upper)			Each	110.000	164.69	18115.90				
vi		Bhishti			Each	19.000	173.76	3301.44				
		Total						42182.61				
		Sundries @ 3% i.e. on Rs. 42182.61						1265.48				
		Add contractor's profit @ 21.50% i.e. on Rs. 43448.09						9341.34				
		Add Labour cess @ 1% i.e. on Rs. 52789.43						527.89				
		Labour for	100	Joint s				53317.32				
		Labour for	1	Joint s				533.17				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	628.51	628.51				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	119.98	8.40				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	533.17	250.59				
		Labour For	1	m.				887.50	887.50			887.50
		Cost for	1	m.					6895.23			
		Add 10% for sub mountainous region										88.75
		Labour for	1	m.								976.25
		Cost for	1	m.								6983.98

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
q		1200mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	5500.00	173250.00			
		Total - I					173250.00			
		Sundries @ 3% i.e. on Rs. 173250					5197.50			
		Add contractor's profit @ 10% i.e. on Rs. 178447.5					17844.75			
		Add Labour cess @ 1% i.e. on Rs. 196292.25					1962.92			
		Material Cost for	30	m.			198255.17			
		Material Cost for	1	m.			6608.51	6608.51		6608.51
		For lowering in trench 1200mm dia		Having weight	35.70	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 1200mm i/d	1	m.	Having wt. in MT	1.19	679.93			
		For cutting R.C.C. Pipe 1200mm dia		Having o/d in mm	1380					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1200mm i/d	1	Cuts	Having o/d in mm	1380	129.86			
		For Jointing R.C.C. Pipe 1200mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	56.890	262.27	14920.54				
ii		Sand			Cum	2.489	200.59	499.27				
iv		Fitter Pipe (1st Class)			Each	37.000	223.36	8264.32				
v		Mazdoor (Skilled - Upper)			Each	120.000	164.69	19762.80				
vi		Bhishti			Each	20.000	173.76	3475.20				
		Total						46922.13				
		Sundries @ 3% i.e. on Rs. 46922.13						1407.66				
		Add contractor's profit @ 21.50% i.e. on Rs. 48329.79						10390.90				
		Add Labour cess @ 1% i.e. on Rs. 58720.69						587.21				
		Labour for	100	Joint s				59307.90				
		Labour for	1	Joint s				593.08				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	679.93	679.93				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	129.86	9.09				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	593.08	278.75				
		Labour For	1	m.				967.77	967.77			967.77
		Cost for	1	m.				7576.28				
		Add 10% for sub mountainous region										96.78
		Labour for	1	m.								1064.55
		Cost for	1	m.								7673.06

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
D		R.C.C. Pipe NP -4								
a		100mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	325.00	10237.50			
		Total - I					10237.50			
		Sundries @ 3% i.e. on Rs. 10237.5					307.13			
		Add contractor's profit @ 10% i.e. on Rs. 10544.63					1054.46			
		Add Labour cess @ 1% i.e. on Rs. 11599.09					115.99			
		Material Cost for	30	m.			11715.08			
		Material Cost for	1	m.			390.50	390.50		390.50
		For lowering in trench 100mm dia		Having weight	0.8	MT				
II		Labour								
		Taking output for 200mm i/d :-	30	m.	Having wt. in MT	1.43				
i		Fitter Pipe (Ist Class)			Each	0.250	223.36	55.84		
ii		Mazdoor (Skilled - Upper)			Each	1.000	164.69	164.69		
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 200mm i/d	30	m.	Having wt. in MT	1.43	278.75			
		Labour for 100mm i/d	1	m.	Having wt. in MT	0.03	5.85			
		For cutting R.C.C. Pipe 100mm dia		Having o/d in mm	150					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)			Each	1.375	223.36	307.12		
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 100 mm i/d	1	Cuts	Having o/d in mm	150	14.12			
		For Jointing R.C.C. Pipe 100mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	2.030	262.27	532.41				
ii		Sand			Cum	0.088	200.59	17.65				
iii		Fitter Pipe (1st Class)			Each	3.000	223.36	670.08				
iv		Mazdoor (Skilled - Upper)			Each	7.000	164.69	1152.83				
v		Bhishti			Each	2.000	173.76	347.52				
		Total						2720.49				
		Sundries @ 3% i.e. on Rs. 2720.49						81.61				
		Add contractor's profit @ 21.50% i.e. on Rs. 2802.1						602.45				
		Add Labour cess @ 1% i.e. on Rs. 3404.55						34.05				
		Labour for	100	Joint s				3438.60				
		Labour for	1	Joint s				34.39				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	5.85	5.85				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	14.12	0.99				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	34.39	16.16				
		Labour For	1	m.				23.00	23.00			23.00
		Cost for	1	m.				413.50				
		Add 10% for sub mountainous region										2.30
		Labour for	1	m.								25.30
		Cost for	1	m.								415.80

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		150mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	350.00	11025.00			
		Total - I					11025.00			
		Sundries @ 3% i.e. on Rs. 11025					330.75			
		Add contractor's profit @ 10% i.e. on Rs. 11355.75					1135.58			
		Add Labour cess @ 1% i.e. on Rs. 12491.33					124.91			
		Material Cost for	30	m.			12616.24			
		Material Cost for	1	m.			420.54	420.54		420.54
		For lowering in trench 150mm dia		Having weight	1.12	MT				
II		Labour								
		Taking output for 200mm i/d :-	30	m.	Having wt . in MT	1.43				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 200mm i/d	30	m.	Having wt. in MT	1.43	278.75			
		Labour for 150mm i/d	1	m.	Having wt. in MT	0.04	7.80			
		For cutting R.C.C. Pipe 150mm dia		Having o/d in mm	200					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 150 mm i/d	1	Cuts	Having o/d in mm	200	18.82			
		For Jointing R.C.C. Pipe 150mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	2.600	262.27	681.90				
ii		Sand			Cum	0.113	200.59	22.67				
iii		Fitter Pipe (1st Class)			Each	4.000	223.36	893.44				
iv		Mazdoor (Skilled - Upper)			Each	9.000	164.69	1482.21				
v		Bhishti			Each	3.000	173.76	521.28				
		Total						3601.50				
		Sundries @ 3% i.e. on Rs. 3601.5						108.05				
		Add contractor's profit @ 21.50% i.e. on Rs. 3709.55						797.55				
		Add Labour cess @ 1% i.e. on Rs. 4507.1						45.07				
		Labour for	100	Joint s				4552.17				
		Labour for	1	Joint s				45.52				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	7.80	7.80				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	18.82	1.32				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	45.52	21.39				
		Labour For	1	m.				30.51	30.51			30.51
		Cost for	1	m.					451.05			
		Add 10% for sub mountainous region										3.05
		Labour for	1	m.								33.56
		Cost for	1	m.								454.10

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c		200mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	500.00	15750.00			
		Total - I					15750.00			
		Sundries @ 3% i.e. on Rs. 15750					472.50			
		Add contractor's profit @ 10% i.e. on Rs. 16222.5					1622.25			
		Add Labour cess @ 1% i.e. on Rs. 17844.75					178.45			
		Material Cost for	30	m.			18023.20			
		Material Cost for	1	m.			600.77	600.77		600.77
		For lowering in trench 200mm dia		Having weight	1.43	MT				
II		Labour								
		Taking output for 200mm i/d :-	30	m.	Having wt . in MT	1.43				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 200mm i/d	30	m.	Having wt. in MT	1.43	278.75			
		Labour for 200mm i/d	1	m.	Having wt. in MT	0.05	9.75			
		For cutting R.C.C. Pipe 200mm dia		Having o/d in mm	250					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 200mm i/d	1	Cuts	Having o/d in mm	250	23.53			
		For Jointing R.C.C. Pipe 200mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	3.200	262.27	839.26				
ii		Sand			Cum	0.139	200.59	27.88				
iii		Fitter Pipe (1st Class)			Each	5.000	223.36	1116.80				
iv		Mazdoor (Skilled - Upper)			Each	12.000	164.69	1976.28				
v		Bhishti			Each	4.000	173.76	695.04				
		Total						4655.26				
		Sundries @ 3% i.e. on Rs. 4655.26						139.66				
		Add contractor's profit @ 21.50% i.e. on Rs. 4794.92						1030.91				
		Add Labour cess @ 1% i.e. on Rs. 5825.83						58.26				
		Labour for	100	Joint s				5884.09				
		Labour for	1	Joint s				58.84				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	9.75	9.75				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	23.53	1.65				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	58.84	27.65				
		Labour For	1	m.				39.05	39.05			39.05
		Cost for	1	m.					639.82			
		Add 10% for sub mountainous region										3.91
		Labour for	1	m.								42.96
		Cost for	1	m.								643.73

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d		225mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	525.00	16537.50			
		Total - I					16537.50			
		Sundries @ 3% i.e. on Rs. 16537.5					496.13			
		Add contractor's profit @ 10% i.e. on Rs. 17033.63					1703.36			
		Add Labour cess @ 1% i.e. on Rs. 18736.99					187.37			
		Material Cost for	30	m.			18924.36			
		Material Cost for	1	m.			630.81	630.81		630.81
		For lowering in trench 225mm dia		Having weight	1.61	MT				
II		Labour								
		Taking output for 200mm i/d :-	30	m.	Having wt . in MT	1.43				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 200mm i/d	30	m.	Having wt. in MT	1.43	278.75			
		Labour for 225mm i/d	1	m.	Having wt. in MT	0.05	9.75			
		For cutting R.C.C. Pipe 225mm dia		Having o/d in mm	275					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 225mm i/d	1	Cuts	Having o/d in mm	275	25.88			
		For Jointing R.C.C. Pipe 225mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	3.490	262.27	915.32				
ii		Sand			Cum	0.152	200.59	30.49				
iii		Fitter Pipe (1st Class)			Each	7.000	223.36	1563.52				
iv		Mazdoor (Skilled - Upper)			Each	16.000	164.69	2635.04				
v		Bhishti			Each	5.000	173.76	868.80				
		Total						6013.17				
		Sundries @ 3% i.e. on Rs. 6013.17						180.40				
		Add contractor's profit @ 21.50% i.e. on Rs. 6193.57						1331.62				
		Add Labour cess @ 1% i.e. on Rs. 7525.19						75.25				
		Labour for	100	Joint s				7600.44				
		Labour for	1	Joint s				76.00				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	9.75	9.75				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	25.88	1.81				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	76.00	35.72				
		Labour For	1	m.				47.28	47.28			47.28
		Cost for	1	m.					678.09			
		Add 10% for sub mountainous region										4.73
		Labour for	1	m.								52.01
		Cost for	1	m.								682.82

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
e		250mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	550.00	17325.00			
		Total - I					17325.00			
		Sundries @ 3% i.e. on Rs. 17325					519.75			
		Add contractor's profit @ 10% i.e. on Rs. 17844.75					1784.48			
		Add Labour cess @ 1% i.e. on Rs. 19629.23					196.29			
		Material Cost for	30	m.			19825.52			
		Material Cost for	1	m.			660.85	660.85		660.85
		For lowering in trench 250mm dia		Having weight	1.88	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	278.75			
		Labour for 250mm i/d	1	m.	Having wt. in MT	0.06	3.10			
		For cutting R.C.C. Pipe 250mm dia		Having o/d in mm	300					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 250mm i/d	1	Cuts	Having o/d in mm	300	28.23			
		For Jointing R.C.C. Pipe 250mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	3.770	262.27	988.76				
ii		Sand			Cum	0.166	200.59	33.30				
iii		Fitter Pipe (1st Class)			Each	8.000	223.36	1786.88				
iv		Mazdoor (Skilled - Upper)			Each	18.000	164.69	2964.42				
v		Bhishti			Each	6.000	173.76	1042.56				
		Total						6815.92				
		Sundries @ 3% i.e. on Rs. 6815.92						204.48				
		Add contractor's profit @ 21.50% i.e. on Rs. 7020.4						1509.39				
		Add Labour cess @ 1% i.e. on Rs. 8529.79						85.30				
		Labour for	100	Joint s				8615.09				
		Labour for	1	Joint s				86.15				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	3.10	3.10				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	28.23	1.98				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	86.15	40.49				
		Labour For	1	m.				45.57	45.57			45.57
		Cost for	1	m.					706.42			
		Add 10% for sub mountainous region										4.56
		Labour for	1	m.								50.13
		Cost for	1	m.								710.98

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
f		300mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	680.00	21420.00			
		Total - I					21420.00			
		Sundries @ 3% i.e. on Rs. 21420					642.60			
		Add contractor's profit @ 10% i.e. on Rs. 22062.6					2206.26			
		Add Labour cess @ 1% i.e. on Rs. 24268.86					242.69			
		Material Cost for	30	m.			24511.55			
		Material Cost for	1	m.			817.05	817.05		817.05
		For lowering in trench 300mm dia		Having weight	2.41	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	278.75			
		Labour for 300mm i/d	1	m.	Having wt. in MT	0.08	4.13			
		For cutting R.C.C. Pipe 300mm dia		Having o/d in mm	360					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 300mm i/d	1	Cuts	Having o/d in mm	360	33.88			
		For Jointing R.C.C. Pipe 300mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	6.170	262.27	1618.21				
ii		Sand			Cum	0.269	200.59	53.96				
iii		Fitter Pipe (1st Class)			Each	9.000	223.36	2010.24				
iv		Mazdoor (Skilled - Upper)			Each	20.000	164.69	3293.80				
v		Bhishti			Each	7.000	173.76	1216.32				
		Total						8192.53				
		Sundries @ 3% i.e. on Rs. 8192.53						245.78				
		Add contractor's profit @ 21.50% i.e. on Rs. 8438.31						1814.24				
		Add Labour cess @ 1% i.e. on Rs. 10252.55						102.53				
		Labour for	100	Joint s				10355.08				
		Labour for	1	Joint s				103.55				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	4.13	4.13				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	33.88	2.37				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	103.55	48.67				
		Labour For	1	m.				55.17	55.17			55.17
		Cost for	1	m.					872.22			
		Add 10% for sub mountainous region										5.52
		Labour for	1	m.								60.69
		Cost for	1	m.								877.74

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
g		350mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1025.00	32287.50			
		Total - I					32287.50			
		Sundries @ 3% i.e. on Rs. 32287.5					968.63			
		Add contractor's profit @ 10% i.e. on Rs. 33256.13					3325.61			
		Add Labour cess @ 1% i.e. on Rs. 36581.74					365.82			
		Material Cost for	30	m.			36947.56			
		Material Cost for	1	m.			1231.59	1231.59		1231.59
		For lowering in trench 350mm dia		Having weight	7.5	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.250	223.36	55.84			
ii		Mazdoor (Skilled - Upper)		Each	1.000	164.69	164.69			
		Total - II					220.53			
		Sundries @ 3% i.e. on Rs. 220.53					6.62			
		Add contractor's profit @ 21.50% i.e. on Rs. 227.15					48.84			
		Add Labour cess @ 1% i.e. on Rs. 275.99					2.76			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	278.75			
		Labour for 350mm i/d	1	m.	Having wt. in MT	0.25	12.91			
		For cutting R.C.C. Pipe 350mm dia		Having o/d in mm	457					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 350mm i/d	1	Cuts	Having o/d in mm	457	43.01			
		For Jointing R.C.C. Pipe 350mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	2.400	262.27	629.45				
ii		Sand			Cum	0.323	200.59	64.79				
iii		Fitter Pipe (1st Class)			Each	11.000	223.36	2456.96				
iv		Mazdoor (Skilled - Upper)			Each	25.000	164.69	4117.25				
v		Bhishti			Each	9.000	173.76	1563.84				
		Total						8832.29				
		Sundries @ 3% i.e. on Rs. 8832.29						264.97				
		Add contractor's profit @ 21.50% i.e. on Rs. 9097.26						1955.91				
		Add Labour cess @ 1% i.e. on Rs. 11053.17						110.53				
		Labour for	100	Joint s				11163.70				
		Labour for	1	Joint s				111.64				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	12.91	12.91				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	43.01	3.01				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	111.64	52.47				
		Labour For	1	m.				68.39	68.39			68.39
		Cost for	1	m.					1299.98			
		Add 10% for sub mountainous region										6.84
		Labour for	1	m.								75.23
		Cost for	1	m.								1306.82

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
h		400mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1150.00	36225.00			
		Total - I					36225.00			
		Sundries @ 3% i.e. on Rs. 36225					1086.75			
		Add contractor's profit @ 10% i.e. on Rs. 37311.75					3731.18			
		Add Labour cess @ 1% i.e. on Rs. 41042.93					410.43			
		Material Cost for	30	m.			41453.36			
		Material Cost for	1	m.			1381.78	1381.78		1381.78
		For lowering in trench 400mm dia		Having weight	8.39	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt. in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 400mm i/d	1	m.	Having wt. in MT	0.28	159.98			
		For cutting R.C.C. Pipe 400mm dia		Having o/d in mm	507					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 400mm i/d	1	Cuts	Having o/d in mm	507	47.71			
		For Jointing R.C.C. Pipe 400mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	8.230	262.27	2158.48				
ii		Sand			Cum	0.360	200.59	72.21				
iii		Fitter Pipe (1st Class)			Each	18.000	223.36	4020.48				
iv		Mazdoor (Skilled - Upper)			Each	30.000	164.69	4940.70				
v		Bhishti			Each	10.000	173.76	1737.60				
		Total						12929.47				
		Sundries @ 3% i.e. on Rs. 12929.47						387.88				
		Add contractor's profit @ 21.50% i.e. on Rs. 13317.35						2863.23				
		Add Labour cess @ 1% i.e. on Rs. 16180.58						161.81				
		Labour for	100	Joint s				16342.39				
		Labour for	1	Joint s				163.42				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	159.98	159.98				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	47.71	3.34				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	163.42	76.81				
		Labour For	1	m.				240.13	240.13			240.13
		Cost for	1	m.				1621.91				
		Add 10% for sub mountainous region										24.01
		Labour for	1	m.								264.14
		Cost for	1	m.								1645.92

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i		450mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1400.00	44100.00			
		Total - I					44100.00			
		Sundries @ 3% i.e. on Rs. 44100					1323.00			
		Add contractor's profit @ 10% i.e. on Rs. 45423					4542.30			
		Add Labour cess @ 1% i.e. on Rs. 49965.3					499.65			
		Material Cost for	30	m.			50464.95			
		Material Cost for	1	m.			1682.17	1682.17		1682.17
		For lowering in trench 450mm dia		Having weight	9.27	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 450mm i/d	1	m.	Having wt. in MT	0.31	177.13			
		For cutting R.C.C. Pipe 450mm dia		Having o/d in mm	560					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 450mm i/d	1	Cuts	Having o/d in mm	560	52.70			
		For Jointing R.C.C. Pipe 450mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	12.890	262.27	3380.66				
ii		Sand			Cum	0.563	200.59	112.93				
iii		Fitter Pipe (1st Class)			Each	15.000	223.36	3350.40				
iv		Mazdoor (Skilled - Upper)			Each	40.000	164.69	6587.60				
v		Bhishti			Each	12.000	173.76	2085.12				
		Total						15516.71				
		Sundries @ 3% i.e. on Rs. 15516.71						465.50				
		Add contractor's profit @ 21.50% i.e. on Rs. 15982.21						3436.18				
		Add Labour cess @ 1% i.e. on Rs. 19418.39						194.18				
		Labour for	100	Joint s				19612.57				
		Labour for	1	Joint s				196.13				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	177.13	177.13				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	52.70	3.69				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	196.13	92.18				
		Labour For	1	m.				273.00	273.00			273.00
		Cost for	1	m.				1955.17				
		Add 10% for sub mountainous region										27.30
		Labour for	1	m.								300.30
		Cost for	1	m.								1982.47

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
j		500mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	1650.00	51975.00			
		Total - I					51975.00			
		Sundries @ 3% i.e. on Rs. 51975					1559.25			
		Add contractor's profit @ 10% i.e. on Rs. 53534.25					5353.43			
		Add Labour cess @ 1% i.e. on Rs. 58887.68					588.88			
		Material Cost for	30	m.			59476.56			
		Material Cost for	1	m.			1982.55	1982.55		1982.55
		For lowering in trench 500mm dia		Having weight	10.14	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 500mm i/d	1	m.	Having wt. in MT	0.34	194.27			
		For cutting R.C.C. Pipe 500mm dia		Having o/d in mm	610					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 500mm i/d	1	Cuts	Having o/d in mm	610	57.40			
		For Jointing R.C.C. Pipe 500mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	14.060	262.27	3687.52				
ii		Sand			Cum	0.614	200.59	123.16				
iii		Fitter Pipe (1st Class)			Each	17.000	223.36	3797.12				
iv		Mazdoor (Skilled - Upper)			Each	50.000	164.69	8234.50				
v		Bhishti			Each	13.000	173.76	2258.88				
		Total						18101.18				
		Sundries @ 3% i.e. on Rs. 18101.18						543.04				
		Add contractor's profit @ 21.50% i.e. on Rs. 18644.22						4008.51				
		Add Labour cess @ 1% i.e. on Rs. 22652.73						226.53				
		Labour for	100	Joint s				22879.26				
		Labour for	1	Joint s				228.79				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	194.27	194.27				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	57.40	4.02				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	228.79	107.53				
		Labour For	1	m.				305.82	305.82			305.82
		Cost for	1	m.				2288.37				
		Add 10% for sub mountainous region										30.58
		Labour for	1	m.								336.40
		Cost for	1	m.								2318.95

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
k		600mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	2000.00	63000.00			
		Total - I					63000.00			
		Sundries @ 3% i.e. on Rs. 63000					1890.00			
		Add contractor's profit @ 10% i.e. on Rs. 64890					6489.00			
		Add Labour cess @ 1% i.e. on Rs. 71379					713.79			
		Material Cost for	30	m.			72092.79			
		Material Cost for	1	m.			2403.09	2403.09		2403.09
		For lowering in trench 600mm dia		Having weight	12.81	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 600mm i/d	1	m.	Having wt. in MT	0.43	245.69			
		For cutting R.C.C. Pipe 600mm dia		Having o/d in mm	720					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 600mm i/d	1	Cuts	Having o/d in mm	720	67.76			
		For Jointing R.C.C. Pipe 600mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	18.510	262.27	4854.62				
ii		Sand			Cum	0.806	200.59	161.68				
iii		Fitter Pipe (1st Class)			Each	19.000	223.36	4243.84				
iv		Mazdoor (Skilled - Upper)			Each	60.000	164.69	9881.40				
v		Bhishti			Each	14.000	173.76	2432.64				
		Total						21574.18				
		Sundries @ 3% i.e. on Rs. 21574.18						647.23				
		Add contractor's profit @ 21.50% i.e. on Rs. 22221.41						4777.60				
		Add Labour cess @ 1% i.e. on Rs. 26999.01						269.99				
		Labour for	100	Joint s				27269.00				
		Labour for	1	Joint s				272.69				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	245.69	245.69				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	67.76	4.74				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	272.69	128.16				
		Labour For	1	m.				378.59	378.59			378.59
		Cost for	1	m.				2781.68				
		Add 10% for sub mountainous region										37.86
		Labour for	1	m.								416.45
		Cost for	1	m.								2819.54

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
I		700mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	2805.00	88357.50			
		Total - I					88357.50			
		Sundries @ 3% i.e. on Rs. 88357.5					2650.73			
		Add contractor's profit @ 10% i.e. on Rs. 91008.23					9100.82			
		Add Labour cess @ 1% i.e. on Rs. 100109.05					1001.09			
		Material Cost for	30	m.			101110.14			
		Material Cost for	1	m.			3370.34	3370.34		3370.34
		For lowering in trench 700mm dia		Having weight	14.70	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 700mm i/d	1	m.	Having wt. in MT	0.49	279.97			
		For cutting R.C.C. Pipe 700mm dia		Having o/d in mm	825					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 700mm i/d	1	Cuts	Having o/d in mm	825	77.64			
		For Jointing R.C.C. Pipe 700mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	21.030	262.27	5515.54				
ii		Sand			Cum	0.919	200.59	184.34				
iii		Fitter Pipe (1st Class)			Each	20.000	223.36	4467.20				
iv		Mazdoor (Skilled - Upper)			Each	70.000	164.69	11528.30				
v		Bhishti			Each	15.000	173.76	2606.40				
		Total						24301.78				
		Sundries @ 3% i.e. on Rs. 24301.78						729.05				
		Add contractor's profit @ 21.50% i.e. on Rs. 25030.83						5381.63				
		Add Labour cess @ 1% i.e. on Rs. 30412.46						304.12				
		Labour for	100	Joint s				30716.58				
		Labour for	1	Joint s				307.17				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	279.97	279.97				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	77.64	5.43				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	307.17	144.37				
		Labour For	1	m.				429.77	429.77			429.77
		Cost for	1	m.					3800.11			
		Add 10% for sub mountainous region										42.98
		Labour for	1	m.								472.75
		Cost for	1	m.								3843.09

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
m		800mm i/d pipe										
			Unit :-	1	m.							
			Taking output :-	30	m.							
I		Material										
i		Supply of R.C.C. Pipe including wastage and breakage 5%			m.	31.500	3250.00	102375.00				
		Total - I						102375.00				
		Sundries @ 3% i.e. on Rs. 102375						3071.25				
		Add contractor's profit @ 10% i.e. on Rs. 105446.25						10544.63				
		Add Labour cess @ 1% i.e. on Rs. 115990.88						1159.91				
			Material Cost for	30	m.			117150.79				
			Material Cost for	1	m.			3905.03	3905.03			3905.03
		For lowering in trench 800mm dia				Having weight	18.87	MT				
II		Labour										
			Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40					
i		Fitter Pipe (Ist Class)				Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)				Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne				Each	0.500	4000.00	2000.00			
		Total - II							2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06							73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29							540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86							30.55			
			Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41				
			Labour for 800mm i/d	1	m.	Having wt. in MT	0.63	359.96				
		For cutting R.C.C. Pipe 800mm dia				Having o/d in mm	935					
III		Labour										
			Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275					
i		Fitter Pipe (Ist Class)				Each	1.375	223.36	307.12			
ii		Total							307.12			
		Sundries @ 3% i.e. on Rs. 307.12							9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33							68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34							3.84			
			Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18				
			Labour for 800mm i/d	1	Cuts	Having o/d in mm	935	87.99				
		For Jointing R.C.C. Pipe 800mm dia										
IV		Labour										
			Taking Output :-	100	Joint s							

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	26.400	262.27	6923.93				
ii		Sand			Cum	1.155	200.59	231.68				
iii		Fitter Pipe (1st Class)			Each	24.000	223.36	5360.64				
iv		Mazdoor (Skilled - Upper)			Each	80.000	164.69	13175.20				
v		Bhishti			Each	16.000	173.76	2780.16				
		Total						28471.61				
		Sundries @ 3% i.e. on Rs. 28471.61						854.15				
		Add contractor's profit @ 21.50% i.e. on Rs. 29325.76						6305.04				
		Add Labour cess @ 1% i.e. on Rs. 35630.8						356.31				
		Labour for	100	Joint s				35987.11				
		Labour for	1	Joint s				359.87				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	359.96	359.96				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	87.99	6.16				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	359.87	169.14				
		Labour For	1	m.				535.26	535.26			535.26
		Cost for	1	m.					4440.29			
		Add 10% for sub mountainous region										53.53
		Labour for	1	m.								588.79
		Cost for	1	m.								4493.82

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
n		900mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	4100.00	129150.00			
		Total - I					129150.00			
		Sundries @ 3% i.e. on Rs. 129150					3874.50			
		Add contractor's profit @ 10% i.e. on Rs. 133024.5					13302.45			
		Add Labour cess @ 1% i.e. on Rs. 146326.95					1463.27			
		Material Cost for	30	m.			147790.22			
		Material Cost for	1	m.			4926.34	4926.34		4926.34
		For lowering in trench 900mm dia		Having weight	23.58	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 900mm i/d	1	m.	Having wt. in MT	0.79	451.38			
		For cutting R.C.C. Pipe 900mm dia		Having o/d in mm	1050					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 900mm i/d	1	Cuts	Having o/d in mm	1050	98.81			
		For Jointing R.C.C. Pipe 900mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	32.570	262.27	8542.13				
ii		Sand			Cum	1.426	200.59	286.04				
iii		Fitter Pipe (1st Class)			Each	27.000	223.36	6030.72				
iv		Mazdoor (Skilled - Upper)			Each	90.000	164.69	14822.10				
v		Bhishti			Each	17.000	173.76	2953.92				
		Total						32634.91				
		Sundries @ 3% i.e. on Rs. 32634.91						979.05				
		Add contractor's profit @ 21.50% i.e. on Rs. 33613.96						7227.00				
		Add Labour cess @ 1% i.e. on Rs. 40840.96						408.41				
		Labour for	100	Joint s				41249.37				
		Labour for	1	Joint s				412.49				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	451.38	451.38				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	98.81	6.92				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	412.49	193.87				
		Labour For	1	m.				652.17	652.17			652.17
		Cost for	1	m.					5578.51			
		Add 10% for sub mountainous region										65.22
		Labour for	1	m.								717.39
		Cost for	1	m.								5643.73

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
o		1000mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	4700.00	148050.00			
		Total - I					148050.00			
		Sundries @ 3% i.e. on Rs. 148050					4441.50			
		Add contractor's profit @ 10% i.e. on Rs. 152491.5					15249.15			
		Add Labour cess @ 1% i.e. on Rs. 167740.65					1677.41			
		Material Cost for	30	m.			169418.06			
		Material Cost for	1	m.			5647.27	5647.27		5647.27
		For lowering in trench 1000mm dia		Having weight	25.89	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 1000mm i/d	1	m.	Having wt. in MT	0.86	491.38			
		For cutting R.C.C. Pipe 1000mm dia		Having o/d in mm	1155					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1000mm i/d	1	Cuts	Having o/d in mm	1155	108.69			
		For Jointing R.C.C. Pipe 1000mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	39.710	262.27	10414.74				
ii		Sand			Cum	1.786	200.59	358.25				
iii		Fitter Pipe (1st Class)			Each	30.000	223.36	6700.80				
iv		Mazdoor (Skilled - Upper)			Each	100.000	164.69	16469.00				
v		Bhishti			Each	18.000	173.76	3127.68				
		Total						37070.47				
		Sundries @ 3% i.e. on Rs. 37070.47						1112.11				
		Add contractor's profit @ 21.50% i.e. on Rs. 38182.58						8209.25				
		Add Labour cess @ 1% i.e. on Rs. 46391.83						463.92				
		Labour for	100	Joint s				46855.75				
		Labour for	1	Joint s				468.56				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	491.38	491.38				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	108.69	7.61				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	468.56	220.22				
		Labour For	1	m.				719.21	719.21			719.21
		Cost for	1	m.					6366.48			
		Add 10% for sub mountainous region										71.92
		Labour for	1	m.								791.13
		Cost for	1	m.								6438.40

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
P		1100mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	5750.00	181125.00			
		Total - I					181125.00			
		Sundries @ 3% i.e. on Rs. 181125					5433.75			
		Add contractor's profit @ 10% i.e. on Rs. 186558.75					18655.88			
		Add Labour cess @ 1% i.e. on Rs. 205214.63					2052.15			
		Material Cost for	30	m.			207266.78			
		Material Cost for	1	m.			6908.89	6908.89		6908.89
		For lowering in trench 1100mm dia		Having weight	33.00	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 1100mm i/d	1	m.	Having wt. in MT	1.10	628.51			
		For cutting R.C.C. Pipe 1100mm dia		Having o/d in mm	1275					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1100mm i/d	1	Cuts	Having o/d in mm	1275	119.98			
		For Jointing R.C.C. Pipe 1100mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	47.770	262.27	12528.64				
ii		Sand			Cum	2.089	200.59	419.03				
iii		Fitter Pipe (1st Class)			Each	35.000	223.36	7817.60				
iv		Mazdoor (Skilled - Upper)			Each	110.000	164.69	18115.90				
vi		Bhishti			Each	19.000	173.76	3301.44				
		Total						42182.61				
		Sundries @ 3% i.e. on Rs. 42182.61						1265.48				
		Add contractor's profit @ 21.50% i.e. on Rs. 43448.09						9341.34				
		Add Labour cess @ 1% i.e. on Rs. 52789.43						527.89				
		Labour for	100	Joint s				53317.32				
		Labour for	1	Joint s				533.17				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	628.51	628.51				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	119.98	8.40				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	533.17	250.59				
		Labour For	1	m.				887.50	887.50			887.50
		Cost for	1	m.					7796.39			
		Add 10% for sub mountainous region										88.75
		Labour for	1	m.								976.25
		Cost for	1	m.								7885.14

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
q		1200mm i/d pipe								
		Unit :-	1	m.						
		Taking output :-	30	m.						
I		Material								
i		Supply of R.C.C. Pipe including wastage and breakage 5%		m.	31.500	6325.00	199237.50			
		Total - I					199237.50			
		Sundries @ 3% i.e. on Rs. 199237.5					5977.13			
		Add contractor's profit @ 10% i.e. on Rs. 205214.63					20521.46			
		Add Labour cess @ 1% i.e. on Rs. 225736.09					2257.36			
		Material Cost for	30	m.			227993.45			
		Material Cost for	1	m.			7599.78	7599.78		7599.78
		For lowering in trench 1200mm dia		Having weight	35.70	MT				
II		Labour								
		Taking output for 600mm i/d :-	30	m.	Having wt . in MT	5.40				
i		Fitter Pipe (Ist Class)		Each	0.500	223.36	111.68			
ii		Mazdoor (Skilled - Upper)		Each	2.000	164.69	329.38			
iii		Provision for crane of 35 Tonne		Each	0.500	4000.00	2000.00			
		Total - II					2441.06			
		Sundries @ 3% i.e. on Rs. 2441.06					73.23			
		Add contractor's profit @ 21.50% i.e. on Rs. 2514.29					540.57			
		Add Labour cess @ 1% i.e. on Rs. 3054.86					30.55			
		Labour for 600mm i/d	30	m.	Having wt. in MT	5.40	3085.41			
		Labour for 1200mm i/d	1	m.	Having wt. in MT	1.19	679.93			
		For cutting R.C.C. Pipe 1200mm dia		Having o/d in mm	1380					
III		Labour								
		Taking Output for 225 i/d :-	15	Cuts	Having o/d in mm	275				
i		Fitter Pipe (Ist Class)		Each	1.375	223.36	307.12			
ii		Total					307.12			
		Sundries @ 3% i.e. on Rs. 307.12					9.21			
		Add contractor's profit @ 21.50% i.e. on Rs. 316.33					68.01			
		Add Labour cess @ 1% i.e. on Rs. 384.34					3.84			
		Labour for 225 mm i/d	15	Cuts	Having o/d in mm	275	388.18			
		Labour for 1200mm i/d	1	Cuts	Having o/d in mm	1380	129.86			
		For Jointing R.C.C. Pipe 1200mm dia								
IV		Labour								
		Taking Output :-	100	Joint s						

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
i		Cement bag of 50 Kg.			Each	56.890	262.27	14920.54				
ii		Sand			Cum	2.489	200.59	499.27				
iii		Fitter Pipe (1st Class)			Each	37.000	223.36	8264.32				
iv		Mazdoor (Skilled - Upper)			Each	120.000	164.69	19762.80				
v		Bhishti			Each	20.000	173.76	3475.20				
		Total						46922.13				
		Sundries @ 3% i.e. on Rs. 46922.13						1407.66				
		Add contractor's profit @ 21.50% i.e. on Rs. 48329.79						10390.90				
		Add Labour cess @ 1% i.e. on Rs. 58720.69						587.21				
		Labour for	100	Joint s				59307.90				
		Labour for	1	Joint s				593.08				
		Labour for Stringing / Laying in trenched , cutting and jointing complete.										
		Stringing in trench per m.			m.	1.00	679.93	679.93				
		Cutting of pipe taking 7 cut per 100 m.			Each	0.07	129.86	9.09				
		Jointig pipe taking 47 joint per 100 m.			Each	0.47	593.08	278.75				
		Labour For	1	m.				967.77	967.77			967.77
		Cost for	1	m.				8567.55				
		Add 10% for sub mountainous region										96.78
		Labour for	1	m.								1064.55
		Cost for	1	m.								8664.33

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
	29.70	Jointing plain and reinforced concrete pipes and specials in trenches using collar joints jointed with 1:1½ cement sand mortar nearly dry, heavily caulked into joints and with the end Dowels filled with 1:1½ cement sand mortar including facing trowelling and finishing the joints at the angle of 45 degree with faces of collars keeping joints wet till cured, testing the drain lines or leakage and making good all leakage and defects as laid down in the contract specifications complete with 2 spigot ends jointed to collar and internal Diametre of sewer pipe or special being :-			Item merged in 29.69 and replaced with new					
	29.71	Cutting plain and reinforced concrete pipes sepcials, chipping and Finishing the cut surface to a uniform finish to the satisfaction of the Engineer-In-Charge :-			Item merged in 29.69 and replaced with new					

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.70		Making soak pit 2.5 m Diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks of class designation 75 and S.W. drain pipe 100 mm Diameter, 1.8 m long complete as per standard design.								
DSR - 19.32										
19.32.1		With F.P.S. bricks								
		Unit :-	1	Soak Pit						
		Taking Output :-	1	Soak Pit						
I		Material								
i		Earth work in excavation including disposal of surplus earth 3.14/4x(2.5)2x3m = 14.73 cum								
		(Rate as per CSR item 29.2 (a))		Cum.	14.730	103.40	1523.08			
ii		= 3.14/4x(2.5)2 x 1.5 m = 7.37 cum								
		(Rate as per CSR item 29.2 (b))		Cum.	7.370	18.90	139.29			
iii		1st class bricks perimeter = 4x0.35 =1.40 m Area = 1.40x2.925 m = 4.1 sqm Number of brick = 4.1 x487x0.066 =131.78 Wastage 10%= 13.718 Total= 144.96 Say 145 numbers		Each	145.000	1.90	275.50			
iv		Brickbats = 3.14/4x(1.2)2x2.925m =3.33 cum Deduct = 0.45x0.45x2.925 m = 0.59 cum Net qty= 2.74 cum		Cum.	2.740	253.00	693.22			
v		Brick aggregate 50 to 80 mm nominal size = 3.14x1.50x0.03x2.925 m = 4.13 cum		Cum.	4.130	350.00	1445.50			
vi		Brick aggregate 40 mm nominal size = 3.14x2.15x0.35x2.925 m =6.91 cum		Cum.	6.910	360.00	2487.60			
vii		100 mm diameter S.W. pipes (60 cm long)		Each	3.000	30.00	90.00			
viii		Precast R.C.C.slabs 7.5 cm thick in cement concrete M-20 0.45x0.45x0.075 m = 0.02 cum								
		(Rate as per CSR item 10.15)		Cum.	0.020	2485.08	49.70			
ix		Reinforcement @ 80 kg/cum = 0.02x80 =1.6 kg								
		(Rate as per CSR item 18.18)		Kg.	1.600	4312.78	6900.45			
x		1st class brick edging laid length wise with half brick depth. 3.14x2.6 m =8.17 m								
		(Rate as per CSR item 24.9)		m.	8.170	298.59	2439.48			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Total - I				16043.82				
		Sundries @ 3% i.e. on Rs. 16043.82				481.31				
		Add contractor's profit @ 10% i.e. on Rs. 16525.13				1652.51				
		Add Labour cess @ 1% i.e. on Rs. 18177.64				181.78				
		Material cost for	1.00	Soak Pit		18359.42				
		Material cost for	1.00	Soak Pit		18359.42	18359.42			18359.42
II		Labour								
		Taking output	1	Soak Pit						
i		Mason 1st Class		Each	0.500	223.36	111.68			
ii		Mason 2nd Class		Each	0.500	190.00	95.00			
iii		Mazdoor (Skilled - Upper)		Each	6.000	164.69	988.14			
iv		Form work = 0.45x0.45 = 0.20 sqm Rate as per CSR item no 9.1		Sqm	0.20	93.69	18.74			
		Total - II				1194.82				
		Sundries @ 3% i.e. on Rs. 1194.82				35.84				
		Add contractor's profit @ 21.50% i.e. on Rs. 1230.66				264.59				
		Add Labour cess @ 1% i.e. on Rs. 1495.25				14.95				
		Labour for	1	Soak Pit		1510.20				
		Labour for	1	Soak Pit		1510.20	1510.20			1510.20
		Cost for	1	Soak Pit			19869.62			
		Add 10% for sub mountainous region								151.02
		Labour for	1	Soak Pit						1661.22
		Cost for	1	Soak Pit						20020.64

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.71	DSR - 19.33	Constructing soak pit 1.20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm Diameter and 1.20 m long complete as per standard design.								
		Unit :-	1	Soak Pit						
		Taking Output :-	1	Soak Pit						
I		Material								
i		Earth work in excavation including disposal of surplus earth 1.2x1.2x1.2m = 1.73 cum (Rate as per CSR item 29.2 (a))		Cum.	1.730	103.40	178.88			
ii		Brick bats 1.2x1.2x1.2 m = 1.73 cum		Cum.	1.730	253.00	437.69			
iii		Second class brick edging laid length wise with half brick depth (Rate as per CSR item 24.9)		m.	5.200	298.59	1552.67			
iv		100 mm diameter S.W. pipes (60 cm long)		m.	1.200	30.00	36.00			
		Total - I					2205.24			
		Sundries @ 3% i.e. on Rs. 2205.24					66.16			
		Add contractor's profit @ 10% i.e. on Rs. 2271.4					227.14			
		Add Labour cess @ 1% i.e. on Rs. 2498.54					24.99			
		Material cost for	1.00	Soak Pit			2523.53			
		Material cost for	1.00	Soak Pit			2523.53	2523.53		2523.53
II		Labour								
		Taking output	1	Soak Pit						
		For filling brick bats								
i		Mazdoor (Skilled - Upper)		Each	0.500	164.69	82.35			
		Total - II					82.35			
		Sundries @ 3% i.e. on Rs. 82.35					2.47			
		Add contractor's profit @ 21.50% i.e. on Rs. 84.82					18.24			
		Add Labour cess @ 1% i.e. on Rs. 103.06					1.03			
		Labour for	1	Soak Pit			104.09			
		Labour for	1	Soak Pit			104.09	104.09		104.09
		Cost for	1	Soak Pit				2627.62		
		Add 10% for sub mountainous region								10.41
		Labour for	1	Soak Pit						114.50
		Cost for	1	Soak Pit						2638.03

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.72										

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.74		Providing & Fixing of road gully grating and frame Fixing and erecting the same in position to correct lines and levels in 1:2 cement sand mortar complete as per drawing /specifications and to the entire satisfaction of Engineer-in-Charge.								
a		Fibre Reinforced Road Gully grating & frame								
		Unit :-	1	Each						
		Taking Output :-	4	Nos						
I		Material								
i		Supply of Fibre Reinforced Road Gully 610mm*457mm		Each	4.000	800.00	3200.00			
		Total - I					3200.00			
		Sundries @ 3% i.e. on Rs. 3200					96.00			
		Add contractor's profit @ 10% i.e. on Rs. 3296					329.60			
		Add Labour cess @ 1% i.e. on Rs. 3625.6					36.26			
		Material Cost for	4	Nos			3661.86			
		Material Cost for	1	Each			915.47	915.47		915.47
II		Labour								
		Taking Output :-	4	Nos						
i		Mason Class I		Each	0.750	223.36	167.52			
ii		Mazdoor (Skilled - Upper)		Each	1.750	164.69	288.21			
		Total - II					455.73			
		Sundries @ 3% i.e. on Rs. 455.73					13.67			
		Add contractor's profit @ 21.50% i.e. on Rs. 469.4					100.92			
		Add Labour cess @ 1% i.e. on Rs. 570.32					5.70			
		Labour for	4	Nos			576.02			
		Labour for	1	Each			144.01	144.01		144.01
		Cost for	1	Each			1059.48			
		Add 10% for sub mountainous region								14.40
		Labour for	1	Each						158.41
		Cost for	1	Each						1073.88

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		C.I. Road Gully grating & frame having weight 77 Kg.610mm*457mm								
		Unit :-	1	Each						
		Taking Output :-	4	Nos						
I		Material								
i		Supply of C.I. Road Gully grating & frame having weight 77 Kg.		Each	4.000	4312.00	17248.00			
		Total - I					17248.00			
		Sundries @ 3% i.e. on Rs. 17248					517.44			
		Add contractor's profit @ 10% i.e. on Rs. 17765.44					1776.54			
		Add Labour cess @ 1% i.e. on Rs. 19541.98					195.42			
		Material Cost for	4	Nos			19737.40			
		Material Cost for	1	Each			4934.35	4934.35		4934.35
II		Labour								
		Taking Output :-	4	Nos						
i		Mason Class I		Each	0.750	223.36	167.52			
ii		Mazdoor (Skilled - Upper)		Each	1.750	164.69	288.21			
		Total - II					455.73			
		Sundries @ 3% i.e. on Rs. 455.73					13.67			
		Add contractor's profit @ 21.50% i.e. on Rs. 469.4					100.92			
		Add Labour cess @ 1% i.e. on Rs. 570.32					5.70			
		Labour for	4	Nos			576.02			
		Labour for	1	Each			144.01	144.01		144.01
		Cost for	1	Each			5078.36			
		Add 10% for sub mountainous region								14.40
		Labour for	1	Each						158.41
		Cost for	1	Each						5092.76

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.75		House outlet connections including cutting and forming parnas and Making Khurras at head of house connections. Size of each Khurras to be not less than 30cm x 30cm. The rate shall cover the cost of all works to the requirements of the Engineer-In-Charge.			Deleted					
29.76		House outlet connections as described in item 29.75 above But with size of khurra not less than 30 cm x 15 cm.			Deleted					
29.77		House outlet connections as described in item 29.75 above but with size of khurra not less than 23 cm x 15 cm.			Deleted					

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.78		Constructing Punjab Standard Drain, type house connection complete consisting of cement concrete drain moulded and laid over lime concrete foundation, rendered and finished smooth with 6mm thick rendering concrete to be of 1:2½:5 parts by volume of cement :sand: stone bajri and rendering to be 1:1 cement sand mortar.								
		Unit :-	1	m.						
		Taking Output :-	30	m.						
I		Material:								
i		Concrete in bed with 19 to 20mm guage in 1:6:12 (Rate as per CSR item 10.10) 30x0.18x0.05 = 0.27 Cum		Cum	0.270	997.61	269.35			
ii		Cement concrete 1:3:6 with stone ballast of shingle in cunnette portion (Rate as per CSR item 10.10) 30x0.18x0.12 = 0.65 Cum. Deduct parabola portion 30x2/3x0.11x0.08 = 0.18 Cum. Total = 0.47 Cum.		Cum	0.470	1766.30	830.16			
iii		Rendering of cunnette portion with 6mm thick cement plaster 1:1 (As per sub analysis attached) Length of Parabola 1/2x22/7x1/2(0.15 Plus 0.10)x30 = 5.89 Sqm Top 30 (0.03 + 0.03) = 1.80 Sqm Total = 7.69 Sqm		Sqm	7.690	37.72	290.07			
		Total - I					1389.58			
		Sundries @ 3% i.e. on Rs. 1389.58					41.69			
		Add contractor's profit @ 10% i.e. on Rs. 1431.27					143.13			
		Add Labour cess @ 1% i.e. on Rs. 1574.4					15.74			
		Material Cost for	30	m.			1590.14			
		Material Cost for	1	m.			53.00	53.00		53.00
II		Labour								
i		Excavation in open cutting for foundation upto 2meter of depth including removal of surplus spoil from the side of work 1x0.46x0.38x0.15 : 0.026 Cum (Rate as per CSR item 29.1)		Cum.	0.026	75.43	1.96			
ii		Concrete in bed with 19 to 20mm guage in 1:3:6(Rate as per CSR item 10.10) 30x0.18x0.05 = 0.27 Cum		Cum	0.270	261.25	70.54			
iii		Form work of cunnette portion (As per sub analysis attached)		Meter	30.000	27.63	828.90			
iv		Extra labour involved in polishing drain and fitting of template forms laying the various cunnette in levels grade fixing levels and other contingent levels								

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Mason Class - I			Each	0.750	223.36	167.52				
		Total - II						1068.92				
		Sundries @ 3% i.e. on Rs. 1068.92						32.07				
		Add contractor's profit @ 21.50% i.e. on Rs. 1100.99						236.71				
		Add Labour cess @ 1% i.e. on Rs. 1337.7						13.38				
		Labour for	30	m.				1351.08				
		Labour for	1	m.				45.04	45.04			45.04
		Cost for	1	m.					98.04			
		Add 10% for sub mountainous region										4.50
		Labour for	1	m.								49.54
		Cost for	1	m.								102.54

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Sub Analysis of 6mm thick cement plaster 1:1										
			Unit:	1	Sqm.							
I		Material:										
i		Cement			Bags	0.140	262.27	36.72				
ii		Sand			Cum	0.005	200.59	1				
		Total - I						37.72				
II		Labour										
		(Rate as per CSR item 15.3)			Sqm	1.000	28.59	28.59				
		Total - II						28.59				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Sub Analysis of shuttering for standard House connection type Drain								
		Unit: 1 m.								
I		Material:								
i		Kail wood wrought planned and fixed in position (Rate as per CSR item 17.5) 2x2/3x0.11x0.08 = 0.0117 Cum.	Cum	0.0117	75075.00	878.38				
ii		Kail wood planking planned both sides joints fixed in position etc 50mm thick (Rate as per CSR item 17.11 (a)) (handle) 2x0.15x0.08 = 0.02 Sqm.	Sqm	0.020	1345.44	26.91				
iii		Providing and fixing 3mm thick plate on sides (templates) supplying of plate. 2x0.18x0.11 = 0.04 Sqm. Less 2x2/3x0.11x0.08 = 0.02 Sqm. Total = 0.02 Sqm. @ 23.25 Kg per Sqm = 0.05 Kg.	Qtl.	0.005	3814.37	19.07				
iv		For Tees, Kail wood planking planned on both sides joints fixed in position etc, 30mm thick (Rate as per CSR item 17.11 (d)) 3x0.84x0.08 = 0.20 Sqm. 3x0.91x0.08 = 0.22 Sqm. Total = 0.42 Sqm.	Sqm	0.420	1186.50	498.33				
v		Providing and fixing G.I sheet 80mm guage Length of parabola = 1/2x22/7x1/2 (0.152 + 0.102)x2 = 0.40 Sqm. @ 7.03 Kg./ Sqm = 2.81 Kg. or 0.0281 Qtl.	Qtl.	0.0281	7500.00	210.75				
		Total - I				1633.44				
II		Labour								
i		Blacksmith 1st Class	Each	0.0625	223.36	13.96				
ii		Mazdoor (Skilled - Upper)	Each	0.0625	164.69	10.29				
		Total - II				24.25				
		Total I + II				1657.69				
		Cost per meter assuming the forms will be sufficient for 60 uses i.e 60 meter length of drain				27.63				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
29.79		Constructing Punjab standard drain type I as above.										
			Unit :-	1	m.							
			Taking Output :-	30	m.							
I		Material:										
i		Concrete in bed with 19 to 20mm guage in 1:6:12 (Rate as per CSR item 10.10) 1x30x0.25x0.05 = 0.37 Cum			Cum	0.370	997.61	369.12				
ii		Cement concrete 1:3:6 with stone ballast of shingle in cunnette portion (Rate as per CSR item 10.10) 1x30x0.25x0.13 = 0.97 Cum Deduct 1x1/2x30x22/7x(0.08) ² = 0.30 Cum Total = 0.67 Cum			Cum	0.670	1766.30	1183.42				
iii		Rendering of cunnette portion with 6mm thick cement plaster 1:1 (As per sub analysis attached) Length of Parabola 30((0.50*3.142*0.15)+0.05+0.05) = 10.07 Sqm			Sqm	10.070	37.72	379.84				
		Total - I						1932.38				
		Sundries @ 3% i.e. on Rs. 1932.38						57.97				
		Add contractor's profit @ 10% i.e. on Rs. 1990.35						199.04				
		Add Labour cess @ 1% i.e. on Rs. 2189.39						21.89				
		Material Cost for			30	m.		2211.28				
		Material Cost for			1	m.		73.71	73.71			73.71
II		Labour										
i		Excavation in open cutting for foundation upto 2meter of depth including removal of surplus spoil from the side of work 1x30x0.25x0.18 = 1.35 Cum (Rate as per CSR item 29.1)			Cum.	1.350	75.43	101.83				
ii		Cement concrete 1:3:6 with stone ballast of shingle in cunnette portion (Rate as per CSR item 10.10) 1x30x0.25x0.05 = 0.37 Cum			Cum	0.370	261.25	96.66				
iii		Form work of cunnette portion (As per sub analysis attached)			Meter	30.000	39.05	1171.50				
iv		Extra labour involved in polishing drain and fitting of template forms laying the various cunnette in levels grade fixing levels and other contingent levels										
		Mason Class - I			Each	1.250	223.36	279.20				
		Total - II						1649.19				
		Sundries @ 3% i.e. on Rs. 1649.19						49.48				
		Add contractor's profit @ 21.50% i.e. on Rs. 1698.67						365.21				
		Add Labour cess @ 1% i.e. on Rs. 2063.88						20.64				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Labour for	30	m.				2084.52				
		Labour for	1	m.				69.48	69.48			69.48
		Cost for	1	m.					143.19			
		Add 10% for sub mountainous region										6.95
		Labour for	1	m.								76.43
		Cost for	1	m.								150.14

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Sub Analysis of shuttering for standard House connection type Drain								
		Unit: 1 m.								
I		Material:								
i		Kail wood wrought planned and fixed in position (Rate as per CSR item 17.5) 1/2x22/7x0.08x0.08x2 = 0.02 Cum.	Cum	0.0200	75075.00	1501.50				
ii		Kail wood planking planned both sides joints fixed in position etc 50mm thick (Rate as per CSR item 17.11 (a)) (handle) 2x0.15x0.08 = 0.02 Sqm.	Sqm	0.020	1345.44	26.91				
iii		Providing and fixing 3mm thick plate on sides (templates) supplying of plate. Sheet 2x0.25x0.13 = 0.07 Sqm. Less 2x1/2x22/7x0.08x0.08 = 0.03 Sqm. Total = 0.05 Sqm. @ 23.25 Kg per Sqm = 1.16 Kg.	Qtl.	0.0116	3814.37	44.25				
iv		For Tees, Kail wood planking planned on both sides joints fixed in position etc, 30mm thick (Rate as per CSR item 17.11 (d)) 3x0.84x0.08 = 0.20 Sqm. 3x0.91x0.08 = 0.22 Sqm. Total = 0.42 Sqm.	Sqm	0.420	1186.50	498.33				
v		Providing and fixing G.I sheet 0.80mm guage Sheet 1/2x22/7x0.15x2 = 0.47 Sqm. @ 7.03 Kg/Sqm. = 3.30 Kg. or 0.033 Qtl.	Qtl.	0.0330	7500.00	247.50				
		Total - I				2318.49				
II		Labour								
i		Blacksmith 1st Class	Each	0.0625	223.36	13.96				
ii		Mazdoor (Skilled - Upper)	Each	0.0625	164.69	10.29				
		Total - II				24.25				
		Total I + II				2342.74				
		Cost per meter assuming the forms will be sufficient for 60 uses i.e 60 meter length of drain				39.05				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.80		Constructing Punjab standard drain type II as above.								
		Unit :-	1	m.						
		Taking Output :-	30	m.						
I		Material:								
i		Concrete in bed with 19 to 20mm guage in 1:6:12 (Rate as per CSR item 10.10) 1/2x30x0.37+0.52/2x0.18 = 2.40 Cum Less 30x0.20+0.29/2x0.10 = 0.74 Cum Net = 1.66 Cum	Cum	1.660	997.61	1656.03				
ii		Cement concrete 1:3:6 with stone ballast of shingle in cunnette portion (Rate as per CSR item 10.10) 30x0.20+0.29/2x0.10 = 0.74 Cum 30x0.52x0.10 = 1.56 Cum Total = 2.30 Cum Deduct Segment 30x4/3x0.10x0.7 = 0.28 Cum Trapozodial Portion 30x0.20+0.27/2x0.027x0.07 = 0.49 Cum Total = 0.77 Cum Net Total = 2.30 - 0.77 = 1.53 Cum	Cum	1.530	1766.30	2702.44				
iii		Rendering of cunnette portion with 6mm thick cement plaster 1:1 (As per sub analysis attached) Length of arch 30x(8x0.11-2x0.10)/3 = 6.80 Sqm Side length 20x2x0.09 = 5.40 Sqm Top 0.13x2x30 = 7.80 Sqm Total = 20.00 Sqm	Sqm	20.000	37.72	754.40				
		Total - I				5112.87				
		Sundries @ 3% i.e. on Rs. 5112.87				153.39				
		Add contractor's profit @ 10% i.e. on Rs. 5266.26				526.63				
		Add Labour cess @ 1% i.e. on Rs. 5792.89				57.93				
		Material Cost for	30	m.		5850.82				
		Material Cost for	1	m.		195.03	195.03			195.03
II		Labour								
i		Excavation in open cutting for foundation upto 2meter of depth including removal of surplus spoil from the side of work (Rate as per CSR item 29.1) 1/2 (30x0.037+0.52/2 = 0.18) = 2.40 Cum Rectangular Portion 30x0.52x0.10 = 1.56 Cum Total = 3.96 Cum	Cum.	3.960	75.43	298.70				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
ii		Cement concrete 1:3:6 with stone ballast of shingle in cunnette portion (Rate as per CSR item 10.10) 1/2x30x0.37+0.52/2x0.18 = 2.40 Cum Less 30x0.20+0.29/2x0.10 = 0.74 Cum Net = 1.66 Cum	Cum	1.660	261.25	433.68				
iii		Form work of cunnette portion (As per sub analysis attached)	Meter	30.000	59.75	1792.50				
iv		Extra labour involved in polishing drain and fitting of template forms laying the various cunnette in levels grade fixing levels and other contigent levels								
		Mason Class - I	Each	1.500	223.36	335.04				
		Total - II				2859.92				
		Sundries @ 3% i.e. on Rs. 2859.92				85.80				
		Add contractor's profit @ 21.50% i.e. on Rs. 2945.72				633.33				
		Add Labour cess @ 1% i.e. on Rs. 3579.05				35.79				
		Labour for 30 m.				3614.84				
		Labour for 1 m.				120.49	120.49			120.49
		Cost for 1 m.					315.52			
		Add 10% for sub mountainous region								12.05
		Labour for 1 m.								132.54
		Cost for 1 m.								327.57

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Sub Analysis of shuttering for standard House connection type Drain								
		Unit: 1 m.								
I		Material:								
i		Kail wood wrought planned and fixed in position (Rate as per CSR item 17.5) 2x4/3x0.10x0.07 = 0.02 Cum	Cum	0.0200	75075.00	1501.50				
ii		Kail wood planking planned both sides joints fixed in position etc 50mm thick (Rate as per CSR item 17.11 (a)) (handle) 2x2x0.08 = 0.32 Sqm 3x0.20+20.27/2x0.07 = 0.05 Sqm Total = 0.37 Sqm	Sqm	0.370	1345.44	497.81				
iii		Kail wood planking planned both sides joints fixed in position etc 25mm thick (Rate as per CSR item 17.11 (e)) 2x2x0.11 = 0.440 Sqm 3(0.20+0.29)/2)x0.10 = 0.074 Sqm Total = 0.514 Sqm	Sqm	0.514	962.50	494.73				
iv		Providing and fixing 3mm thick plate on sides (templates) supplying of plate. Plates 2(0.20+0.29)0.10 = 0.05 Sqm 2x0.52x0.05 = 0.41 Sqm Total = 0.15 Sqm Deduct Segment 2x4/3x0.10x0.07 = 0.02 Sqm Trapazodial 2x0.20+0.27/2 x0.07 = 0.03 Sqm Total = 0.05 Sqm Net 0.15 - 0.05 = 0.10 Sqm @ 23.25 Kg per Sqm = 2.33 Kg.	Qtl.	0.0233	3814.37	88.87				
v		For Tees, Kail wood planking planned on both sides joints fixed in position etc, 30mm thick (Rate as per CSR item 17.11 (d)) 3x0.91x0.08 = 0.22 Sqm 3x0.99x0.08 = 0.24 Sqm Total = 0.46 Sqm	Sqm	0.460	1186.50	545.79				
vi		Providing and fixing G.I sheet 0.80mm guage Sheet 2 (0.23 plus 0.18) = 0.82 Sqm @ 7.03 Kg/Sqm. = 5.76 kg. or 0.0576 Qtl.	Qtl.	0.0576	7500.00	432.00				
		Total - I				3560.70				
II		Labour								

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i		Blacksmith 1st Class	Each	0.0625	223.36	13.96				
ii		Mazdoor (Skilled - Upper)	Each	0.0625	164.69	10.29				
		Total - II				24.25				
		Total I + II				3584.95				
		Cost per meter assuming the forms will be sufficient for 60 uses i.e 60 meter length of drain				59.75				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
29.81		Constructing Punjab standard drain type III as above.										
			Unit :-	1	m.							
			Taking Output :-	30	m.							
I		Material:										
i		Concrete in bed with 19 to 20mm guage in 1:6:12 (Rate as per CSR item 10.10) 1x30x0.40+0.58/2x0.22 = 3.23 Cum 1x30x0.58x0.03 = 0.52 Cum Total = 3.75 Cum Less Trapazodial Portion 1x30x0.20+0.35/2x0.18 = 1.49 Cum Net Total 3.75 - 1.49 = 2.26 Cum			Cum	2.260	997.61	2254.60				
ii		Cement concrete 1:3:6 with stone ballast of shingle in cunnette portion (Rate as per CSR item 10.10) Trapazodial Portion 30x0.20+0.35/2x0.18 = 1.49 Cum Rectangular Portion 30x0.58x0.095 = 1.65 Cum Total = 3.14 Cum Deduct Segment Portion 30x4/3x0.10x0.07 = 0.28 Cum Trapazodial Portion 30x0.20+0.33/2x0.15 = 1.19 Cum Total = 1.47 Cum Net Total 3.14 - 1.47 = 1.67 Cum			Cum	1.670	1766.30	2949.72				
iii		Rendering of cunnette portion with 6mm thick cement plaster 1:1 (As per sub analysis attached) Length of Arch 8b-2a/3 30x8x0.11-0.20/3 = 6.80 Sqm Side Length 30x2x0.165 = 9.90 Sqm Top Portion 30x2x0.133 = 7.98 Sqm Total = 24.68 Sqm			Sqm	24.680	37.72	930.93				
		Total - I						6135.25				
		Sundries @ 3% i.e. on Rs. 6135.25						184.06				
		Add contractor's profit @ 10% i.e. on Rs. 6319.31						631.93				
		Add Labour cess @ 1% i.e. on Rs. 6951.24						69.51				
			Material Cost for	30	m.			7020.75				
			Material Cost for	1	m.			234.03	234.03			234.03
II		Labour										

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i		Excavation in open cutting for foundation upto 2meter of depth including removal of surplus spoil from the side of work (Rate as per CSR item 29.1) 1x30x0.58x0.35 = 6.09 Cum Less 2x30x0.09x0.22 = 0.59 Cum Total = 5.50 Cum	Cum.	5.500	75.43	414.87				
ii		Cement concrete 1:3:6 with stone ballast of shingle in cunnette portion (Rate as per CSR item 10.10) 1x30x0.40+0.58/2x0.22 = 3.23 Cum 1x30x0.58x0.03 = 0.52 Cum Total = 3.75 Cum Less Trapazodial Portion 1x30x0.20+0.35/2x0.18 = 1.49 Cum Net Total 3.75 - 1.49 = 2.26 Cum	Cum	2.260	261.25	590.43				
iii		Form work of cunnette portion (As per sub analysis attached)	Meter	30.000	75.59	2267.70				
iv		Extra labour involved in polishing drain and fitting of template forms laying the various cunnette in levels grade fixing levels and other contingent levels								
		Mason Class - I	Each	2.000	223.36	446.72				
		Total - II				3719.72				
		Sundries @ 3% i.e. on Rs. 3719.72				111.59				
		Add contractor's profit @ 21.50% i.e. on Rs. 3831.31				823.73				
		Add Labour cess @ 1% i.e. on Rs. 4655.04				46.55				
		Labour for 30 m.				4701.59				
		Labour for 1 m.				156.72	156.72			156.72
		Cost for 1 m.					390.75			
		Add 10% for sub mountainous region								15.67
		Labour for 1 m.								172.39
		Cost for 1 m.								406.42

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Sub Analysis of shuttering for standard House connection type Drain								
		Unit: 1 m.								
I		Material:								
i		Kail wood wrought planned and fixed in position (Rate as per CSR item 17.5) 2x4/3x0.10x0.07 = 0.02 Cum	Cum	0.0200	75075.00	1501.50				
ii		Kail wood planking planned both sides joints fixed in position etc 50mm thick (Rate as per CSR item 17.11 (a)) (handle) 2x2x0.16 = 0.64 Sqm 3x(0.20+0.33)/2x0.15 = 0.12 Sqm Total = 0.76 Sqm	Sqm	0.760	1345.44	1022.53				
iii		Kail wood planking planned both sides joints fixed in position etc 25mm thick (Rate as per CSR item 17.11 e) 2x2x0.19 = 0.76 Sqm 30x(0.20+0.35)/2x0.18 = 0.15 Sqm Total = 0.91 Sqm	Sqm	0.910	962.50	875.88				
iv		Providing and fixing 3mm thick plate on sides (templates) supplying of plate. Plates 2x(0.20+0.35)/2x0.18 = 0.10 Sqm 2x0.58x0.095 = 0.11 Sqm Total = 0.21 Sqm Deduct Segment 2x4/3x0.10x0.07 = 0.02 Sqm 2(0.20+0.33)/2x0.15 = 0.08 Sqm Total = 0.10 Sqm Net 0.21 - 0.10 = 0.11 Sqm @ 23.25 Kg./Sqm = 2.56 Kg. Or 0.0256 Qtl	Qtl.	0.0256	3814.37	97.65				
v		For Tees, Kail wood planking planned on both sides joints fixed in position etc, 30mm thick (Rate as per CSR item 17.11 (d)) 3x0.99x0.080 = 0.24 Sqm 3x1.06x0.08 = 0.25 Sqm Total = 0.49 Sqm	Sqm	0.490	1186.50	581.39				
vi		Providing and fixing G.I sheet 0.80mm guage Sheet 2(0.23 + 0.18) = 0.82Sqm @ 7.03 Kg./ Sqm = 5.76 Kg. or 0.0576 Qtl.	Qtl.	0.0576	7500.00	432.00				
		Total - I				4510.95				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
II		Labour								
i		Blacksmith 1st Class	Each	0.0625	223.36	13.96				
ii		Mazdoor (Skilled - Upper)	Each	0.0625	164.69	10.29				
		Total - II				24.25				
		Total I + II				4535.20				
		Cost per meter assuming the forms will be sufficient for 60 uses i.e 60 meter length of drain				75.59				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
29.82		Constructing Punjab standard drain type IV as above.										
			Unit :-	1	m.							
			Taking Output :-	30	m.							
I		Material:										
i		Concrete in bed with 19 to 20mm guage in 1:6:12 (Rate as per CSR item 10.10) 1x30x(0.40+0.64)/2x0.28 = 4.52 Cum 1x30x0.64x0.03 = 0.58 Cum Total = 5.10 Cum Less Trapazodial Portion 1x30x(0.20+0.41)/2x0.25 = 2.29Cum Net 5.10 - 2.29 = 2.81Cum			Cum	2.810	997.61	2803.28				
ii		Cement concrete 1:3:6 with stone ballast of shingle in cunnette portion (Rate as per CSR item 10.10) Trapozodial Portion 30x(0.20+0.41)/2x0.25 = 2.29 Cum Rectangular Portion 30x0.64x0.095 = 1.82 Cum Total = 4.11 Cum Deduct Segment Portion 30x4/3x0.10x0.07 = 0.28 Cum Trapozodial Portion 30x(0.20+0.39)/2x0.22 = 1.95 Cum Total = 2.23 Cum Net 4.11 - 2.23 = 1.88 Cum			Cum	1.880	1766.30	3320.64				
iii		Rendering of cunnette portion with 6mm thick cement plaster 1:1 (As per sub analysis attached) length of arch 30x8x0.11-0.20/3 = 6.80 Sqm Sides Length 30x2x0.24 = 14.40 Sqm Top Portion 30x2x0.133 = 7.98 Sqm Total = 29.18 Sqm			Sqm	29.180	37.72	1100.67				
		Total - I						7224.59				
		Sundries @ 3% i.e. on Rs. 7224.59						216.74				
		Add contractor's profit @ 10% i.e. on Rs. 7441.33						744.13				
		Add Labour cess @ 1% i.e. on Rs. 8185.46						81.85				
			Material Cost for	30	m.			8267.31				
			Material Cost for	1	m.			275.58	275.58			275.58
II		Labour										

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i		Excavation in open cutting for foundation upto 2meter of depth including removal of surplus spoil from the side of work (Rate as per CSR item 29.1) 1x30x0.64x0.43 = 8.26 Cum Less Triangle Portion 2x30x0.12x0.29/2 = 1.04 Cum Total =7.22 Cum	Cum.	7.220	75.43	544.60				
ii		Cement concrete 1:3:6 with stone ballast of shingle in cunnette portion (Rate as per CSR item 10.10) 1x30x(0.40+0.64)/2x0.28 = 4.52 Cum 1x30x0.64x0.03 = 0.58 Cum Total = 5.10 Cum Less Trapazodial Portion 1x30x(0.20+0.41)/2x0.25 = 2.29Cum Net 5.10 - 2.29 = 2.81Cum	Cum	2.810	261.25	734.11				
iii		Form work of cunnette portion (As per sub analysis attached)	Meter	30.000	90.59	2717.70				
iv		Extra labour involved in polishing drain and fitting of template forms laying the various cunnette in levels grade fixing levels and other contingent levels								
		Mason Class - I	Each	2.500	223.36	558.40				
		Total - II				4554.81				
		Sundries @ 3% i.e. on Rs. 4554.81				136.64				
		Add contractor's profit @ 21.50% i.e. on Rs. 4691.45				1008.66				
		Add Labour cess @ 1% i.e. on Rs. 5700.11				57.00				
		Labour for 30 m.				5757.11				
		Labour for 1 m.				191.90	191.90			191.90
		Cost for 1 m.					467.48			
		Add 10% for sub mountainous region								19.19
		Labour for 1 m.								211.09
		Cost for 1 m.								486.67

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Sub Analysis of shuttering for standard House connection type Drain								
		Unit: 1 m.								
I		Material:								
i		Kail wood wrought planned and fixed in position (Rate as per CSR item 17.5) 2x4/3x0.10x0.07 = 0.02 Cum	Cum	0.0200	75075.00	1501.50				
ii		Kail wood planking planned both sides joints fixed in position etc 50mm thick (Rate as per CSR item 17.11 a) (handle) 2x2x0.23 = 0.92 Sqm 3x0.20+0.39/2x0.22 = 0.19 Sqm Total = 1.11 Sqm	Sqm	1.110	1345.44	1493.44				
ii		Kail wood planking planned both sides joints fixed in position etc 25mm thick (Rate as per CSR item 17.11 e) 2x2x0.27 = 1.08 Sqm 3x(0.20+0.41)/2x0.25 = 0.23 Sqm Total = 1.31 Sqm	Sqm	1.310	962.50	1260.88				
iii		Providing and fixing 3mm thick plate on sides (templates) supplying of plate. 2x0.20+0.41x/2x0.25 = 0.15 Sqm 2x0.64x0.095 = 0.12 Sqm Total = 0.27 Sqm Deduct: Segment 2x4/3x0.10x0.07 = 0.02 Sqm Trapazodial Portion 2x0.20+0.39/2x0.22 = 0.13 Sqm Total = 0.15 Sqm Net 0.27 - 0.15 = 0.12 Sqm @ 23.25 Kg per Sqm = 2.79 Kg.	Qtl.	0.0279	3814.37	106.42				
iv		For Tees, Kail wood planking planned on both sides joints fixed in position etc, 30mm thick (Rate as per CSR item 17.11 (d)) 3x1.13x0.08 = 0.27 Sqm 3x1.06x0.08 = 0.25 Sqm Total = 0.52 Sqm	Sqm	0.520	1186.50	616.98				
v		Providing and fixing G.I sheet 0.80mm guage Sheet 2(0.23 + 0.18) = 0.82 Sqm @ 7.03 Kg./ Sqm = 5.76 Kg. or 0.0576 Qtl.	Qtl.	0.0576	7500.00	432.00				
		Total - I				5411.22				
II		Labour								

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i		Blacksmith 1st Class	Each	0.0625	223.36	13.96				
ii		Mazdoor (Skilled - Upper)	Each	0.0625	164.69	10.29				
		Total - II				24.25				
		Total I + II				5435.47				
		Cost per meter assuming the forms will be sufficient for 60 uses i.e 60 meter length of drain				90.59				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.83		Providing masonry plugs to ends of sewers of all types with 115mm thick brick wall in cement sand mortar 1:7 with 12.50mm thick cement plaster 1:6 (as required by the Engineer-In-Charge)								
	29.84	MAN HOLE CHAMBERS								
		Construction of rectangular standard brick masonry manhole chambers to standard drawings on new egg shaped sewers upto the required depth in 1:5 cement sand mortar, lime concrete 40 percent lime mortar with 20mm gauge brick ballast in haunches above the arching where the depth of cover in traffic streets is less than 1:5 metre, 12.50mm thick water tight 1:2 cement sand plaster with a floating coat of neat cement and finished with two coats of sodium silicate on interior surface, where required, reinforced cement concrete slab 180mm. thick fixing 560mm. internal Diameter C.I. manhole frame and cover weight not less than 2.5 quintal painted with three coats of black bitumen paint, fixing galvanised malleable iron steps embedded in 1:2 cement sand mortar etc. complete.								

DELETED

DELETED and replaced with new

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.84		Constructing brick masonry manhole in cement mortar 1:5 (1 cement : 5 coarse sand) R.C.C. top slab with 1:2:4 mix (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement: 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement and making benching in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement, Orange coloured PVC steps including FRCC cover with frame (light duty) 455x610 mm internal dimensions.complete as per standard design.								
	DSR - 19.7									
a	19.7.1	Inside size 75x120 cm and 120 cm deep								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) 1.81*1.36*0.20=0.492 cum Say 0.49 Cum. Rate as per CSR item no 10.9 (a))								
				Cum.	0.490	1486.65	728.46			
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(.98+1.430)*0.23*1.20 = 1.33 cum Rate as per CSR item no 11.7								
				Cum.	1.330	1999.22	2658.96			
iii		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching 2*1.20*(0.90/2)*(0.30+0.20)/2 = 0.270 cum Less for pipe 1*1.20*3.142/4*0.15*0.15 = (-) 0.020 cum = 0.250 cum Rate as per CSR item no 10.11								
				Cum.	0.250	1683.63	420.91			
iv		Floating coat on benching = 0.75*1.20 = 0.90 sqm Rate as per CSR item no 14.2								
				Sqm	0.90	11.80	10.62			
v		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(0.75+1.20)*1.20 = 4.68 sqm Rate as per CSR item no.15.8 + 15.41								
				Sqm	4.680	53.04	248.23			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
vi		Reinforced cement concrete M-20 For slab: $1.21 \times 1.66 \times 0.20 = 0.401$ Cum Less for cover $0.61 \times 0.455 \times 0.20\text{m} = (-) 0.055$ Cum = 0.346 cum Rate as per CSR item no. 10.15	Cum.	0.346	2485.08	859.84				
vii		Mild steel reinforcement for slab : 0.346 cum @ 80 kg/cum = 27.68 kg or 0.28 Qtl. Rate as per CSR item no. 18.18	Qtl.	0.280	4312.78	1207.58				
viii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)	Each	4	84.790	339.16				
ix		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - I)	Each	1	3008.840	3008.84				
		Total - I				9482.60				
		Sundries @ 3% i.e. on Rs. 9482.6				284.48				
		Add contractor's profit @ 10% i.e. on Rs. 9767.08				976.71				
		Add Labour cess @ 1% i.e. on Rs. 10743.79				107.44				
		Material cost for	1.00	Each		10851.23	10851.23			10851.23
II		Labour								
		Taking output	1	Each						
i		Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) $1.81 \times 1.36 \times 0.20 = 0.492$ cum Say 0.49 Cum. Rate as per CSR item no 10.9 (a))	Cum.	0.490	261.25	128.01				
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) $2(.98 + 1.430) \times 0.23 \times 1.20 = 1.33$ cum Rate as per CSR item no 11.7	Cum.	1.330	283.76	377.40				
iii		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching $2 \times 1.20 \times (0.90/2) \times (0.30 + 0.20)/2 = 0.270$ cum Less for pipe $1 \times 1.20 \times 3.142/4 \times 0.15 \times 0.15 = (-) 0.020$ cum = 0.250 cum Rate as per CSR item no 10.11	Cum.	0.250	261.25	65.31				
iv		Floating coat on benching = $0.75 \times 1.20 = 0.90$ sqm Rate as per CSR item no 14.2	Sqm	0.90	4.14	3.73				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
v		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(0.75+1.20)*1.20 = 4.68 sqm Rate as per CSR item no.15.8 + 15.41	Sqm	4.680	51.67	241.82				
vi		Reinforced cement concrete M-20 For slab: 1.21*1.66*0.20 = 0.401 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.346 cum Rate as per CSR item no. 10.15	Cum.	0.346	734.64	254.19				
vii		Mild steel reinforcement for slab : 0.346 cum @ 80 kg/cum = 27.68 kg or 0.28 Qtl. Rate as per CSR item no. 18.18	Qtl.	0.280	289.03	80.93				
viii		Form work = 0.75x1.20 = 0.90 sqm Rate as per CSR item no 9.1	Sqm	0.9	93.69	84.32				
ix		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)	Each	4	15.100	60.40				
x		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - II)	Each	1	276.370	276.37				
		Extra labour for making channel								
i		Mason 1st Class	Each	0.060	223.36	13.40				
ii		Mason 2nd Class	Each	0.060	190.00	11.40				
		Total - II				1597.28				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 1597.28				47.92				
		Add contractor's profit @ 21.50% i.e. on Rs. 1645.2				353.72				
		Add Labour cess @ 1% i.e. on Rs. 1998.92				19.99				
						2018.91				
		Labour for 1	Each			2018.91	2018.91			2018.91
		Cost for 1	Each				12870.14			
		Add 10% for sub mountainous region								201.89
		Labour for 1	Each							2220.80
		Cost for 1	Each							13072.03

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		Inside size 90x150 cm and 120 cm deep								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) 1.51x2.51x0.20=0.758 cum Say 0.76 Cum. Rate as per CSR item no 10.9 (a))		Cum.	0.760	1486.65	1129.85			
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.130+1.730)*0.23*1.20 = 1.58 cum Rate as per CSR item no 11.7		Cum.	1.580	1999.22	3158.77			
iii		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching 2*1.50*(0.90/2)*(0.30+0.20)/2 = 0.340 cum Less for pipe 1*1.50*3.142/4*0.15*0.15 = (-) 0.030 cum = 0.310 cum Rate as per CSR item no 10.11		Cum.	0.310	1683.63	521.93			
iv		Floating coat on benching = 0.90x1.50 = 1.35 sqm Rate as per CSR item no 14.2		Sqm	1.35	11.80	15.93			
v		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(0.90+1.50)*1.20 = 5.76 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	5.760	53.04	305.51			
vi		Reinforced cement concrete M-20 For slab: 1.96*1.36*0.20 = 0.530 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.475 cum Rate as per CSR item no. 10.15		Cum.	0.475	2485.08	1180.41			
vii		Mild steel reinforcement for slab : 0.475 cum @ 80 kg/cum = 38 kg or 0.38 Qtl. Rate as per CSR item no. 18.18		Qtl.	0.380	4312.78	1638.86			
viii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)		Each	4	84.790	339.16			
ix		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - I)		Each	1	3008.840	3008.84			
		Total - I					11299.26			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Sundries @ 3% i.e. on Rs. 11299.26				338.98				
		Add contractor's profit @ 10% i.e. on Rs. 11638.24				1163.82				
		Add Labour cess @ 1% i.e. on Rs. 12802.06				128.02				
		Material cost for	1.00	Each		12930.08	12930.08			12930.08
II		Labour								
		Taking output	1	Each						
i		Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) 1.51x2.51x0.20=0.758 cum Say 0.76 Cum. Rate as per CSR item no 10.9 (a))		Cum.	0.760	261.25	198.55			
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.130+1.730)*0.23*1.20 = 1.58 cum Rate as per CSR item no 11.7		Cum.	1.580	283.76	448.34			
iii		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching 2*1.50*(0.90/2)*(0.30+0.20)/2 = 0.340 cum Less for pipe 1*1.50*3.142/4*0.15*0.15 = (-) 0.030 cum = 0.310 cum Rate as per CSR item no 10.11		Cum.	0.310	261.25	80.99			
iv		Floating coat on benching = 0.90x1.50 = 1.35 sqm Rate as per CSR item no 14.2		Sqm	1.35	4.14	5.59			
v		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(0.90+1.50)*1.20 = 5.76 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	5.760	51.67	297.62			
vi		Reinforced cement concrete M-20 For slab: 1.96*1.36*0.20 = 0.530 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.475 cum Rate as per CSR item no. 10.15		Cum.	0.475	734.64	348.95			
vii		Mild steel reinforcement for slab : 0.475 cum @ 80 kg/cum = 38 kg or 0.38 Qtl. Rate as per CSR item no. 18.18		Qtl.	0.380	289.03	109.83			
viii		Form work = 0.90x1.50 = 1.35 sqm Rate as per CSR item no 9.1		Sqm	1.35	93.69	126.48			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
ix		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)			Each	4	15.100	60.40				
x		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - II)			Each	1	276.370	276.37				
		Extra labour for making channel										
i		Mason 1st Class			Each	0.060	223.36	13.40				
ii		Mason 2nd Class			Each	0.060	190.00	11.40				
		Total - II						1977.92				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 1977.92						59.34				
		Add contractor's profit @ 21.50% i.e. on Rs. 2037.26						438.01				
		Add Labour cess @ 1% i.e. on Rs. 2475.27						24.75				
								2500.02				
		Labour for	1	Each				2500.02	2500.02			2500.02
		Cost for	1	Each					15430.10			
		Add 10% for sub mountainous region										250.00
		Labour for	1	Each								2750.02
		Cost for	1	Each								15680.10

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c		Inside size 120x180 cm and 120 cm deep								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) 1.81x2.41x0.20=0.872 cum Say 0.87 Cum. Rate as per CSR item no 10.9 (a))		Cum.	0.870	1486.65	1293.39			
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.430+2.03)*0.23*1.20 = 1.910 cum Rate as per CSR item no 11.7		Cum.	1.910	1999.22	3818.51			
iii		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching 2*1.80*(0.90/2)*(0.30+0.20)/2 = 0.405 cum Less for pipe 1*1.80*3.142/4*0.15*0.15 = (-) 0.032 cum = 0.373 cum Rate as per CSR item no 10.11		Cum.	0.373	1683.63	627.99			
iv		Floating coat on benching = 1.20*1.80 = 2.16 sqm Rate as per CSR item no 14.2		Sqm	2.16	11.80	25.49			
v		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(1.20+1.80)*1.20 = 7.20 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	7.200	53.04	381.89			
vi		Reinforced cement concrete M-20 For slab: 2.26*1.66*0.20 = 0.75 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.695 cum Rate as per CSR item no. 10.15		Cum.	0.695	2485.08	1727.13			
vii		Mild steel reinforcement for slab : 0.695 cum @ 80 kg/cum = 56 kg or 0.56 Qtl. Rate as per CSR item no. 18.18		Qtl.	0.560	4312.78	2415.16			
viii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)		Each	4	84.790	339.16			
ix		RCC cover including frame heavy duty 560mm i/d (Rate as per CSR item 29.36 (h) Total - I)		Each	1	1563.130	1563.13			
		Total - I					12191.85			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Sundries @ 3% i.e. on Rs. 12191.85				365.76				
		Add contractor's profit @ 10% i.e. on Rs. 12557.61				1255.76				
		Add Labour cess @ 1% i.e. on Rs. 13813.37				138.13				
		Material cost for	1.00	Each		13951.50	13951.50			13951.50
II		Labour								
		Taking output	1	Each						
i		Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) 1.81x2.41x0.20=0.872 cum Say 0.87 Cum. Rate as per CSR item no 10.9 (a))		Cum.	0.870	261.25	227.29			
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.430+2.03)*0.23*1.20 = 1.910 cum Rate as per CSR item no 11.7		Cum.	1.910	283.76	541.98			
iii		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching 2*1.80*(0.90/2)*(0.30+0.20)/2 = 0.405 cum Less for pipe 1*1.80*3.142/4*0.15*0.15 = (-) 0.032 cum = 0.373 cum Rate as per CSR item no 10.11		Cum.	0.373	261.25	97.45			
iv		Floating coat on benching = 1.20*1.80 = 2.16 sqm Rate as per CSR item no 14.2		Sqm	2.16	4.14	8.94			
v		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(1.20+1.80)*1.20 = 7.20 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	7.200	51.67	372.02			
vi		Reinforced cement concrete M-20 For slab: 2.26*1.66*0.20 = 0.75 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.695 cum Rate as per CSR item no. 10.15		Cum.	0.695	734.64	510.57			
vii		Mild steel reinforcement for slab : 0.695 cum @ 80 kg/cum = 56 kg or 0.56 Qtl. Rate as per CSR item no. 18.18		Qtl.	0.560	289.03	161.86			
viii		Form work = 1.20*1.80 = 2.16 sqm Rate as per CSR item no 9.1		Sqm	2.16	93.69	202.37			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
ix		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)			Each	4	15.100	60.40				
x		RCC cover including frame heavy duty 560mm i/d (Rate as per CSR item 29.36 (h) Total - II)			Each	1	226.300	226.30				
		Extra labour for making channel										
i		Mason 1st Class			Each	0.060	223.36	13.40				
ii		Mason 2nd Class			Each	0.060	190.00	11.40				
		Total - II						2433.98				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 2433.98						73.02				
		Add contractor's profit @ 21.50% i.e. on Rs. 2507						539.01				
		Add Labour cess @ 1% i.e. on Rs. 3046.01						30.46				
								3076.47				
		Labour for	1	Each				3076.47	3076.47			3076.47
		Cost for	1	Each					17027.97			
		Add 10% for sub mountainous region										307.65
		Labour for	1	Each								3384.12
		Cost for	1	Each								17335.62

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d		Inside size 150x180 cm and 120 cm deep								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) 2.11*2.41*0.20 = 1.017 cum Say 1.02 Cum. Rate as per CSR item no 10.9 (a))		Cum.	1.020	1486.65	1516.38			
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.730+2.03)*0.23*1.20 = 2.080 cum Rate as per CSR item no 11.7		Cum.	2.080	1999.22	4158.38			
iii		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching 2*1.80*(0.90/2)*(0.30+0.20)/2 = 0.405 cum Less for pipe 1*1.80*3.142/4*0.15*0.15 = (-) 0.032 cum = 0.373 cum Rate as per CSR item no 10.11		Cum.	0.373	1683.63	627.99			
iv		Floating coat on benching = 1.50*1.80 = 2.70 sqm Rate as per CSR item no 14.2		Sqm	2.7	11.80	31.86			
v		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(1.80+1.50)*1.20 = 7.92 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	7.920	53.04	420.08			
vi		Reinforced cement concrete M-20 For slab: 1.96*2.26*0.20 = 0.886 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.831 cum Rate as per CSR item no. 10.15		Cum.	0.831	2485.08	2065.10			
vii		Mild steel reinforcement for slab : 0.831 cum @ 80 kg/cum = 66 kg or 0.66 Qtl. Rate as per CSR item no. 18.18		Qtl.	0.660	4312.78	2846.43			
viii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)		Each	4	84.790	339.16			
ix		RCC cover including frame extra heavy duty (Rate as per CSR item 29.36 (h) Total - I)		Each	1	1763.000	1763.00			
		Total - I					13768.38			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Sundries @ 3% i.e. on Rs. 13768.38				413.05				
		Add contractor's profit @ 10% i.e. on Rs. 14181.43				1418.14				
		Add Labour cess @ 1% i.e. on Rs. 15599.57				156.00				
		Material cost for	1.00	Each		15755.57	15755.57			15755.57
II		Labour								
		Taking output	1	Each						
i		Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) 2.11*2.41*0.02 = 1.017 cum Say 1.02 Cum. Rate as per CSR item no 10.9 (a))		Cum.	1.020	261.25	266.48			
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.730+2.03)*0.23*1.20 = 2.080 cum Rate as per CSR item no 11.7		Cum.	2.080	283.76	590.22			
iii		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching 2*1.80*(0.90/2)*(0.30+0.20)/2 = 0.405 cum Less for pipe 1*1.80*3.142/4*0.15*0.15 = (-) 0.032 cum = 0.373 cum Rate as per CSR item no 10.11		Cum.	0.373	261.25	97.45			
iv		Floating coat on benching = 1.50*1.80 = 2.70 sqm Rate as per CSR item no 14.2		Sqm	2.7	4.14	11.18			
v		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(1.80+1.50)*1.20 = 7.92 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	7.920	51.67	409.23			
vi		Reinforced cement concrete M-20 For slab: 1.96*2.26*0.20 = 0.886 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.831 cum Rate as per CSR item no. 10.15		Cum.	0.831	734.64	610.49			
vii		Mild steel reinforcement for slab : 0.831 cum @ 80 kg/cum = 66 kg or 0.66 Qtl. Rate as per CSR item no. 18.18		Qtl.	0.660	289.03	190.76			
viii		Form work = 1.50*1.80 = 2.70 sqm Rate as per CSR item no 9.1		Sqm	2.70	93.69	252.96			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
ix		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)	Each	4	15.100	60.40				
x		RCC cover including frame extra heavy duty (Rate as per CSR item 29.36 (h) Total - II)	Each	1	226.700	226.70				
		Extra labour for making channel								
i		Mason 1st Class	Each	0.060	223.36	13.40				
ii		Mason 2nd Class	Each	0.060	190.00	11.40				
		Total - II				2740.67				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 2740.67				82.22				
		Add contractor's profit @ 21.50% i.e. on Rs. 2822.89				606.92				
		Add Labour cess @ 1% i.e. on Rs. 3429.81				34.30				
						3464.11				
		Labour for 1	Each			3464.11	3464.11			3464.11
		Cost for 1	Each				19219.68			
		Add 10% for sub mountainous region								346.41
		Labour for 1	Each							3810.52
		Cost for 1	Each							19566.09

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
	29.85	Construction of rectangular standard brick masnory manhole chambers to standard drawings on S.W. pipe sewers or other circular pipe sewers, upto the required depth in 1:5 cement sand mortar, lime concrete in bed and sides of pipe sewer and cement concrete 1:2:4 in benching 12.50mm thick water tight 1:2 cement sand plaster with a floating coat of neat cement and finished with two coats of sodium silicate on interior surface, where required, reinforced cement concrete slab 180mm thick, fixing 560mm internal Diametre C.I. manhole frame and cover weight not less than 2.50 quintals painted with three coats of black bitumen paint, fixing Galvanised malleable iron steps embedded in 1:2 cement sand mortar complete.	DELETED and replaced with new							
		Construction of rectangular standard brick masnory manhole chambers to standard drawings on S.W. pipe sewers or other circular pipe sewers, upto the required depth in 1:5 cement sand mortar, lime concrete in bed and sides of pipe sewer and cement concrete 1:2:4 in benching 12.50mm thick water tight 1:2 cement sand plaster with a floating coat of neat cement and finished with two coats of sodium silicate on interior surface, where required, reinforced cement concrete slab 180mm thick, fixing 560mm internal Diametre C.I. manhole frame and cover weight not less than 2.50 quintals painted with three coats of black bitumen paint, fixing Galvanised malleable iron steps embedded in 1:2 cement sand mortar complete.								
	29.86	Construction of circular standared brick masonry manhole chambers to standard drawings on S.W pipe sewers or other circular sewer upto the required depth in 1:5 cement sand mortar lime concrete in bed and sides of pipe sewer and cement concrete 1:2:4 in benching, 12.50mm thick water tight 1:2 cement sand plaster with a floating coat of neat cement and finished with two coats of sodium silicate on interior surface where required, fixing 560mm internal Diametre C.I. manhole cover and frame weight not less than 2.5 quintal with three coats of black bitumen paint, fixing galvanised malleable iron steps embedded in 1:2 cement sand mortar complete:-	DELETED and replaced with new							
	29.87	Extra over and above on item No. 29.86 for every additional 0.30 metre depth of manhole upto 4 metres depth below ground level on 175mm internal Diametre to 450mm internal Diametre pipe sewers.	DELETED and replaced with new							

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.85		Constructing brick masonry manhole in cement mortar 1:5 (1 cement : 5 coarse sand) with RCC core wall between masonry, R.C.C. top slab with 1:2:4 mix (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement: 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement and making benching in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement, Orange coloured PVC steps including FRCC cover with frame (light duty) 455x610 mm internal dimensions.complete as per standard design. (In water logged area).								
	DSR - 19.7									
a										
	19.7.1	Inside size 75x120 cm and 120 cm deep								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) 1.79*2.24*0.20 = 0.800 cum Rate as per CSR item no 10.9 (a))		Cum.	0.800	1486.65	1189.32			
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.41+1.86)*0.23*1.30 = 1.96 cum Rate as per CSR item no 11.7		Cum.	1.960	1999.22	3918.47			
iii		115 mm thick brick work with 1st class bricks in foundation and plinth. 2(1.315+0.865)*1.20 = 5.230 Sqm. (Rate as per CSR item 11.35)		Sqm.	5.230	230.42	1205.10			
iv		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching 2*1.20*(0.90/2)*(0.30+0.20)/2 = 0.270 cum Less for pipe 1*1.20*3.142/4*0.15*0.15 = (-) 0.020 cum = 0.250 cum Rate as per CSR item no 10.11		Cum.	0.250	1683.63	420.91			
v		Floating coat on benching = 0.75*1.20 = 0.90 sqm Rate as per CSR item no 14.2		Sqm	0.90	11.80	10.62			

(The size and specification depends upon the starata of soil and depth of sewer for MHs having corewalls so it is not possible to have a standard size of MH hence deleted.

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
vi		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. $2(0.75+1.20)*1.20 = 4.68$ sqm Rate as per CSR item no.15.8 + 15.41	Sqm	4.680	53.04	248.23				
vii		Reinforced cement concrete M-20 For slab: $1.64*2.09*0.20 = 0.685$ Cum For walls $2(1.08+1.53)*0.100*1.20 = 0.626$ Cum. Less for cover $0.61*0.455*0.20 = (-) 0.055$ Cum = 1.256 cum Rate as per CSR item no. 10.15	Cum.	1.256	2485.08	3121.26				
viii		Mild steel reinforcement for slab : 1.256 cum @ 80 kg/cum = 100.48 kg or 1.004 Qtl. Rate as per CSR item no. 18.18	Qtl.	1.004	4312.78	4330.03				
ix		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)	Each	4	84.790	339.16				
x		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - I)	Each	1	3008.840	3008.84				
		Total - I				17791.94				
		Sundries @ 3% i.e. on Rs. 17791.94				533.76				
		Add contractor's profit @ 10% i.e. on Rs. 18325.7				1832.57				
		Add Labour cess @ 1% i.e. on Rs. 20158.27				201.58				
		Material cost for	1.00	Each		20359.85	20359.85			20359.85
II		Labour								
		Taking output	1	Each						
i		Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) $1.79*2.24*0.20 = 0.492$ cum Say 0.800 cum. Rate as per CSR item no 10.9 (a))	Cum.	0.800	261.25	209.00				
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) $2(1.41+1.86)*0.23*1.30 = 1.96$ cum Rate as per CSR item no 11.7	Cum.	1.960	283.76	556.17				
iii		115 mm thick brick work with 1st class bricks in foundation and plinth. $2(1.315+0.865)*1.20 = 5.230$ Sqm. (Rate as per CSR item 11.35)	Sqm.	5.230	53.08	277.61				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iv		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching $2 \times 1.20 \times (0.90/2) \times (0.30 + 0.20)/2 = 0.270$ cum Less for pipe $1 \times 1.20 \times 3.142/4 \times 0.15 \times 0.15 = (-) 0.020$ cum = 0.250 cum Rate as per CSR item no 10.11	Cum.	0.250	261.25	65.31				
v		Floating coat on benching = $0.75 \times 1.20 = 0.90$ sqm Rate as per CSR item no 14.2	Sqm	0.90	4.14	3.73				
vi		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. $2 \times (0.75 + 1.20) \times 1.20 = 4.68$ sqm Rate as per CSR item no.15.8 + 15.41	Sqm	4.680	51.67	241.82				
vii		Reinforced cement concrete M-20 For slab: $1.64 \times 2.09 \times 0.20 = 0.685$ Cum For walls $2 \times (1.08 + 1.53) \times 0.100 \times 1.20 = 0.626$ Cum. Less for cover $0.61 \times 0.455 \times 0.20 = (-) 0.055$ Cum = 1.256 cum Rate as per CSR item no. 10.15	Cum.	1.256	734.64	922.71				
viii		Mild steel reinforcement for slab : 1.256 cum @ 80 kg/cum = 100.48 kg or 1.004 Qtl. Rate as per CSR item no. 18.18	Qtl.	1.004	289.03	290.19				
ix		Form work = $0.70 \times 1.20 = 0.90$ sqm Rate as per CSR item no 9.1	Sqm	0.9	93.69	84.32				
x		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)	Each	4	15.100	60.40				
xi		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - II)	Each	1	276.370	276.37				
		Extra labour for making channel								
i		Mason 1st Class	Each	0.060	223.36	13.40				
ii		Mason 2nd Class	Each	0.060	190.00	11.40				
		Total - II				3012.43				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 3012.43				90.37				
		Add contractor's profit @ 21.50% i.e. on Rs. 3102.8				667.10				
		Add Labour cess @ 1% i.e. on Rs. 3769.9				37.70				
						3807.60				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Labour for	1	Each				3807.60	3807.60			3807.60
		Cost for	1	Each					24167.45			
		Add 10% for sub mountainous region										380.76
		Labour for	1	Each								4188.36
		Cost for	1	Each								24548.21

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		Inside size 90x150 cm and 120 cm deep								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) 1.94*2.54*0.20 = 0.990 cum Rate as per CSR item no 10.9 (a))		Cum.	0.990	1486.65	1471.78			
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.56+2.16)*0.23*1.20 = 2.05 cum Rate as per CSR item no 11.7		Cum.	2.050	1999.22	4098.40			
iii		115 mm thick brick work with 1st class bricks in foundation and plinth. 2(1.015+1.615)*1.20 = 6.310 Sqm. (Rate as per CSR item 11.35)		Sqm.	6.310	230.42	1453.95			
iv		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching 2*1.50*(0.90/2)*(0.30+0.20)/2 = 0.340 cum Less for pipe 1*1.50*3.142/4*0.15*0.15 = (-) 0.030 cum = 0.310 cum Rate as per CSR item no 10.11		Cum.	0.310	1683.63	521.93			
v		Floating coat on benching = 0.90x1.50 = 1.35 sqm Rate as per CSR item no 14.2		Sqm	1.35	11.80	15.93			
vi		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(0.90+1.50)*1.20 = 5.76 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	5.760	53.04	305.51			
vii		Reinforced cement concrete M-20 For slab: 1.79*2.39*0.20 = 0.856 Cum For walls 2*(1.23+1.83)*0.100*1.20 = 0.734 Cum. Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 1.54 cum Rate as per CSR item no. 10.15		Cum.	1.540	2485.08	3827.02			
viii		Mild steel reinforcement for slab : 1.54 cum @ 80 kg/cum = 123.20 kg or 1.23 Qtl. Rate as per CSR item no. 18.18		Qtl.	1.230	4312.78	5304.72			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
ix		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)	Each	4	84.790	339.16				
x		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - I)	Each	1	3008.840	3008.84				
		Total - I				20347.24				
		Sundries @ 3% i.e. on Rs. 20347.24				610.42				
		Add contractor's profit @ 10% i.e. on Rs. 20957.66				2095.77				
		Add Labour cess @ 1% i.e. on Rs. 23053.43				230.53				
		Material cost for	1.00	Each		23283.96	23283.96			23283.96
II		Labour								
		Taking output	1	Each						
i		Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) $1.94 \times 2.54 \times 0.20 = 0.990$ cum Rate as per CSR item no 10.9 (a))	Cum.	0.990	261.25	258.64				
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) $2(1.56+2.16) \times 0.23 \times 1.20 = 2.05$ cum Rate as per CSR item no 11.7	Cum.	2.050	283.76	581.71				
iii		115 mm thick brick work with 1st class bricks in foundation and plinth. $2(1.015+1.615) \times 1.20 = 6.310$ Sqm. (Rate as per CSR item 11.35)	Sqm.	6.310	53.08	334.93				
iv		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching $2 \times 1.50 \times (0.90/2) \times (0.30+0.20)/2 = 0.340$ cum Less for pipe $1 \times 1.50 \times 3.142/4 \times 0.15 \times 0.15 = (-) 0.030$ cum = 0.310 cum Rate as per CSR item no 10.11	Cum.	0.310	261.25	80.99				
v		Floating coat on benching = $0.90 \times 1.50 = 1.35$ sqm Rate as per CSR item no 14.2	Sqm	1.35	4.14	5.59				
vi		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. $2(0.90+1.50) \times 1.20 = 5.76$ sqm Rate as per CSR item no.15.8 + 15.41	Sqm	5.760	51.67	297.62				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
vii		Reinforced cement concrete M-20 For slab: $1.79 \times 2.39 \times 0.20 = 0.856$ Cum For walls $2 \times (1.23 + 1.83) \times 0.100 \times 1.20 = 0.734$ Cum. Less for cover $0.61 \times 0.455 \times 0.20 \text{m} = (-) 0.055$ Cum = 1.54 cum Rate as per CSR item no. 10.15	Cum.	1.540	734.64	1131.35				
viii		Mild steel reinforcement for slab : 1.54 cum @ 80 kg/cum = 123.20 kg or 1.23 Qtl. Rate as per CSR item no. 18.18	Qtl.	1.230	289.03	355.51				
ix		Form work = $0.90 \times 1.50 = 1.35$ sqm Rate as per CSR item no 9.1	Sqm	1.35	93.69	126.48				
x		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)	Each	4	15.100	60.40				
xi		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - II)	Each	1	276.370	276.37				
		Extra labour for making channel								
i		Mason 1st Class	Each	0.060	223.36	13.40				
ii		Mason 2nd Class	Each	0.060	190.00	11.40				
		Total - II				3534.39				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 3534.39				106.03				
		Add contractor's profit @ 21.50% i.e. on Rs. 3640.42				782.69				
		Add Labour cess @ 1% i.e. on Rs. 4423.11				44.23				
						4467.34				
		Labour for	1	Each		4467.34	4467.34			4467.34
		Cost for	1	Each			27751.30			
		Add 10% for sub mountainous region								446.73
		Labour for	1	Each						4914.07
		Cost for	1	Each						28198.03

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c		Inside size 120x180 cm and 120 cm deep								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) 2.24x2.84x0.20 = 1.27 cum Rate as per CSR item no 10.9 (a))		Cum.	1.270	1486.65	1888.05			
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.86+2.46)*0.23*1.20 = 2.38 cum Rate as per CSR item no 11.7		Cum.	2.380	1999.22	4758.14			
iii		115 mm thick brick work with 1st class bricks in foundation and plinth. 2(1.315+1.915)*1.20 = 7.75 Sqm. (Rate as per CSR item 11.35)		Sqm.	7.750	230.42	1785.76			
iv		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching 2*1.80*(0.90/2)*(0.30+0.20)/2 = 0.405 cum Less for pipe 1*1.80*3.142/4*0.15*0.15 = (-) 0.032 cum = 0.373 cum Rate as per CSR item no 10.11		Cum.	0.373	1683.63	627.99			
v		Floating coat on benching = 1.20*1.80 = 2.16 sqm Rate as per CSR item no 14.2		Sqm	2.16	11.80	25.49			
vi		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(1.20+1.80)*1.20 = 7.20 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	7.200	53.04	381.89			
vii		Reinforced cement concrete M-20 For slab: 2.09*2.69*0.20 = 1.124 Cum For walls 2(1.53+2.13)*0.100*1.10 = 0.805 cum. Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 1.87 cum Rate as per CSR item no. 10.15		Cum.	1.870	2485.08	4647.10			
viii		Mild steel reinforcement for slab : 1.87 cum @ 80 kg/cum = 149.60 kg or 1.50 Qtl. Rate as per CSR item no. 18.18		Qtl.	1.500	4312.78	6469.17			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
ix		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)	Each	4	84.790	339.16				
x		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - I)	Each	1	3008.840	3008.84				
		Total - I				23931.59				
		Sundries @ 3% i.e. on Rs. 23931.59				717.95				
		Add contractor's profit @ 10% i.e. on Rs. 24649.54				2464.95				
		Add Labour cess @ 1% i.e. on Rs. 27114.49				271.14				
		Material cost for	1.00	Each		27385.63	27385.63			27385.63
II		Labour								
		Taking output	1	Each						
i		Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) $2.24 \times 2.84 \times 0.20 = 1.27$ cum Rate as per CSR item no 10.9 (a))	Cum.	1.270	261.25	331.79				
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) $2(1.86+2.46) \times 0.23 \times 1.20 = 2.38$ cum Rate as per CSR item no 11.7	Cum.	2.380	283.76	675.35				
iii		115 mm thick brick work with 1st class bricks in foundation and plinth. $2(1.315+1.915) \times 1.20 = 7.75$ Sqm. (Rate as per CSR item 11.35)	Sqm.	7.750	53.08	411.37				
iv		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching $2 \times 1.80 \times (0.90/2) \times (0.30+0.20)/2 = 0.405$ cum Less for pipe $1 \times 1.80 \times 3.142/4 \times 0.15 \times 0.15 = (-) 0.032$ cum = 0.373 cum Rate as per CSR item no 10.11	Cum.	0.373	261.25	97.45				
v		Floating coat on benching = $1.20 \times 1.80 = 2.16$ sqm Rate as per CSR item no 14.2	Sqm	2.16	4.14	8.94				
vi		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. $2(1.20+1.80) \times 1.20 = 7.20$ sqm Rate as per CSR item no.15.8 + 15.41	Sqm	7.200	51.67	372.02				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
vii		Reinforced cement concrete M-20 For slab: 2.09*2.69*0.20 = 1.124 Cum For walls 2(1.53+2.13)*0.100*1.10 = 0.805 cum. Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 1.87 cum Rate as per CSR item no. 10.15	Cum.	1.870	734.64	1373.78				
viii		Mild steel reinforcement for slab : 1.87 cum @ 80 kg/cum = 149.60 kg or 1.50 Qtl. Rate as per CSR item no. 18.18	Qtl.	1.500	289.03	433.55				
ix		Form work = 1.20*1.80 = 2.16 sqm Rate as per CSR item no 9.1	Sqm	2.16	93.69	202.37				
x		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)	Each	4	15.100	60.40				
xi		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - II)	Each	1	276.370	276.37				
		Extra labour for making channel								
i		Mason 1st Class	Each	0.060	223.36	13.40				
ii		Mason 2nd Class	Each	0.060	190.00	11.40				
		Total - II				4268.19				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 4268.19				128.05				
		Add contractor's profit @ 21.50% i.e. on Rs. 4396.24				945.19				
		Add Labour cess @ 1% i.e. on Rs. 5341.43				53.41				
						5394.84				
		Labour for	1	Each		5394.84	5394.84			5394.84
		Cost for	1	Each			32780.47			
		Add 10% for sub mountainous region								539.48
		Labour for	1	Each						5934.32
		Cost for	1	Each						33319.95

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d		Inside size 150x180 cm and 120 cm deep								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) 2.84*2.54*0.20 = 1.44 Cum. Rate as per CSR item no 10.9 (a))		Cum.	1.440	1486.65	2140.78			
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(2.16+2.46)*0.23*1.20 = 2.55 cum Rate as per CSR item no 11.7		Cum.	2.550	1999.22	5098.01			
iii		115 mm thick brick work with 1st class bricks in foundation and plinth. 2(1.615+1.915)*1.20 = 8.47 Sqm. (Rate as per CSR item 11.35)		Sqm.	8.470	230.42	1951.66			
iv		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching 2*1.80*(0.90/2)*(0.30+0.20)/2 = 0.405 cum Less for pipe 1*1.80*3.142/4*0.15*0.15 = (-) 0.032 cum = 0.373 cum Rate as per CSR item no 10.11		Cum.	0.373	1683.63	627.99			
v		Floating coat on benching = 1.50*1.80 = 2.70 sqm Rate as per CSR item no 14.2		Sqm	2.7	11.80	31.86			
vi		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(1.80+1.50)*1.20 = 7.92 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	7.920	53.04	420.08			
vii		Reinforced cement concrete M-20 For slab: 2.69*2.39*0.20 = 1.285 Cum For walls 2(2.13+1.83)*0.100*1.20 = 0.950 cum. Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 2.20 cum Rate as per CSR item no. 10.15		Cum.	2.200	2485.08	5467.18			
viii		Mild steel reinforcement for slab : 2.20 cum @ 80 kg/cum = 176 kg or 1.76 Qtl. Rate as per CSR item no. 18.18		Qtl.	1.760	4312.78	7590.49			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
ix		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)	Each	4	84.790	339.16				
x		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - I)	Each	1	3008.840	3008.84				
		Total - I				26676.05				
		Sundries @ 3% i.e. on Rs. 26676.05				800.28				
		Add contractor's profit @ 10% i.e. on Rs. 27476.33				2747.63				
		Add Labour cess @ 1% i.e. on Rs. 30223.96				302.24				
		Material cost for	1.00	Each		30526.20	30526.20			30526.20
II		Labour								
		Taking output	1	Each						
i		Cement concrete 1:4:8 (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) $2.84 \times 2.54 \times 0.20 = 1.44$ Cum. Rate as per CSR item no 10.9 (a))	Cum.	1.440	261.25	376.20				
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) $2(2.16+2.46) \times 0.23 \times 1.20 = 2.55$ cum Rate as per CSR item no 11.7	Cum.	2.550	283.76	723.59				
iii		115 mm thick brick work with 1st class bricks in foundation and plinth. $2(1.615+1.915) \times 1.20 = 8.47$ Sqm. (Rate as per CSR item 11.35)	Sqm.	8.470	53.08	449.59				
iv		Cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) for benching $2 \times 1.80 \times (0.90/2) \times (0.30+0.20)/2 = 0.405$ cum Less for pipe $1 \times 1.80 \times 3.142/4 \times 0.15 \times 0.15 = (-) 0.032$ cum = 0.373 cum Rate as per CSR item no 10.11	Cum.	0.373	261.25	97.45				
v		Floating coat on benching = $1.50 \times 1.80 = 2.70$ sqm Rate as per CSR item no 14.2	Sqm	2.7	4.14	11.18				
vi		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. $2(1.80+1.50) \times 1.20 = 7.92$ sqm Rate as per CSR item no.15.8 + 15.41	Sqm	7.920	51.67	409.23				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
vii		Reinforced cement concrete M-20 For slab: 2.69*2.39*0.20 = 1.285 Cum For walls 2(2.13+1.83)*0.100*1.20 = 0.950 cum. Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 2.20 cum Rate as per CSR item no. 10.15	Cum.	2.200	734.64	1616.21				
viii		Mild steel reinforcement for slab : 2.20 cum @ 80 kg/cum = 176 kg or 1.76 Qtl. Rate as per CSR item no. 18.18	Qtl.	1.760	289.03	508.69				
ix		Form work = 1.50*1.80 = 2.70 sqm Rate as per CSR item no 9.1	Sqm	2.70	93.69	252.96				
x		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)	Each	4	15.100	60.40				
xi		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - II)	Each	1	276.370	276.37				
		Extra labour for making channel								
i		Mason 1st Class	Each	0.060	223.36	13.40				
ii		Mason 2nd Class	Each	0.060	190.00	11.40				
		Total - II				4806.67				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 4806.67				144.20				
		Add contractor's profit @ 21.50% i.e. on Rs. 4950.87				1064.44				
		Add Labour cess @ 1% i.e. on Rs. 6015.31				60.15				
						6075.46				
		Labour for	1	Each		6075.46	6075.46			6075.46
		Cost for	1	Each			36601.66			
		Add 10% for sub mountainous region								607.55
		Labour for	1	Each						6683.01
		Cost for	1	Each						37209.21

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.86	DSR - 19.8	Extra cost for every additional depth of 0.300 m. 1.80 m depth for manholes with RCC core wall between masonry, in water logged area.								
		(DELETED AS MENTIONED IN ITEM NO. 29.85)								
a	19.7.1	Inside size 75x120 cm								
		Unit :-	1	Each Depth of 0.30 m.						
		Taking Output :-	1	Each Depth of 0.30 m.						
I		Material								
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.41+1.86)*0.23*0.30 = 0.450 cum Rate as per CSR item no 11.7		Cum.	0.450	1999.22	899.65			
ii		115 mm thick brick work with 1st class bricks in foundation and plinth. 2(1.315+0.865)*0.30 = 1.310 Sqm. (Rate as per CSR item 11.35)		Sqm.	1.310	230.42	301.85			
iii		Reinforced cement concrete M-20 For walls 2(1.08+1.53)*0.100*0.30 = 0.160 Cum. Rate as per CSR item no. 10.15		Cum.	0.160	2485.08	397.61			
iv		Mild steel reinforcement for slab : 0.160 cum @ 80 kg/cum = 13 kg or 0.13 Qtl. Rate as per CSR item no. 18.18		Qtl.	0.130	4312.78	560.66			
v		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(0.75+1.20)*0.30 = 1.170 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	1.170	53.04	62.06			
vi		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)		Each	1	84.790	84.79			
		Total - I					2306.62			
		Sundries @ 3% i.e. on Rs. 2306.62					69.20			
		Add contractor's profit @ 10% i.e. on Rs. 2375.82					237.58			
		Add Labour cess @ 1% i.e. on Rs. 2613.4					26.13			
		Material cost for	1	Each Depth of 0.30 m.			2639.53	2639.53		2639.53
II		Labour								
		Taking output	1	Each Depth of 0.30 m.						

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) $2(1.41+1.86)*0.23*0.30 = 0.450$ cum Rate as per CSR item no 11.7	Cum.	0.450	283.76	127.69				
ii		115 mm thick brick work with 1st class bricks in foundation and plinth. $2(1.315+0.865)*0.30 = 1.310$ Sqm. (Rate as per CSR item 11.35)	Sqm.	1.310	53.08	69.53				
iii		Reinforced cement concrete M-20 For walls $2(1.08+1.53)*0.100*0.30 = 0.160$ Cum. Rate as per CSR item no. 10.15	Cum.	0.160	734.64	117.54				
iv		Mild steel reinforcement for slab : 0.160 cum @ 80 kg/cum = 13 kg or 0.13 Qtl. Rate as per CSR item no. 18.18	Qtl.	0.130	289.03	37.57				
v		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. $2(0.75+1.20)*0.30 = 1.170$ sqm Rate as per CSR item no.15.8 + 15.41	Sqm	1.170	51.67	60.45				
vi		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)	Each	1	15.100	15.10				
		Total - II				427.88				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 427.88				12.84				
		Add contractor's profit @ 21.50% i.e. on Rs. 440.72				94.75				
		Add Labour cess @ 1% i.e. on Rs. 535.47				5.35				
						540.82				
		Labour for 1	Each	Depth of 0.30 m.		540.82	540.82			540.82
		Cost for 1	Each	Depth of 0.30 m.			3180.35			
		Add 10% for sub mountainous region								54.08
		Labour for 1	Each	Depth of 0.30 m.						594.90
		Cost for 1	Each	Depth of 0.30 m.						3234.43

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b	19.7.1	Inside size 90x150 cm								
		Unit :-	1	Each Depth of 0.30 m.						
		Taking Output :-	1	Each Depth of 0.30 m.						
I		Material								
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.56+2.16)*0.23*0.30 = 0.510 cum Rate as per CSR item no 11.7		Cum.	0.510	1999.22	1019.60			
ii		115 mm thick brick work with 1st class bricks in foundation and plinth. 2(1.015+1.615)*0.30 = 1.58 Sqm. (Rate as per CSR item 11.35)		Sqm.	1.580	230.42	364.06			
iii		Reinforced cement concrete M-20 For walls 2(1.23+1.83)*0.100*0.30 = 0.180 Cum. Rate as per CSR item no. 10.15		Cum.	0.180	2485.08	447.31			
iv		Mild steel reinforcement for slab : 0.180 cum @ 80 kg/cum = 14.40 kg or 0.14 Qtl. Rate as per CSR item no. 18.18		Qtl.	0.140	4312.78	603.79			
v		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(0.90+1.50)*0.30 = 1.44 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	1.440	53.04	76.38			
vi		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)		Each	1	84.790	84.79			
		Total - I					2595.93			
		Sundries @ 3% i.e. on Rs. 2595.93					77.88			
		Add contractor's profit @ 10% i.e. on Rs. 2673.81					267.38			
		Add Labour cess @ 1% i.e. on Rs. 2941.19					29.41			
		Material cost for	1	Each Depth of 0.30 m.			2970.60	2970.60		2970.60
II		Labour								
		Taking output	1	Each Depth of 0.30 m.						
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.56+2.16)*0.23*0.30 = 0.510 cum Rate as per CSR item no 11.7		Cum.	0.510	283.76	144.72			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
ii		115 mm thick brick work with 1st class bricks in foundation and plinth. 2(1.015+1.615)*0.30 = 1.58 Sqm. (Rate as per CSR item 11.35)	Sqm.	1.580	53.08	83.87				
iii		Reinforced cement concrete M-20 For walls 2(1.23+1.83)*0.100*0.30 = 0.180 Cum. Rate as per CSR item no. 10.15	Cum.	0.180	734.64	132.24				
iv		Mild steel reinforcement for slab : 0.180 cum @ 80 kg/cum = 14.40 kg or 0.14 Qtl. Rate as per CSR item no. 18.18	Qtl.	0.140	289.03	40.46				
v		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(0.90+1.50)*0.30 = 1.44 sqm Rate as per CSR item no.15.8 + 15.41	Sqm	1.440	51.67	74.40				
vi		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)	Each	1	15.100	15.10				
		Total - II				490.79				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 490.79				14.72				
		Add contractor's profit @ 21.50% i.e. on Rs. 505.51				108.68				
		Add Labour cess @ 1% i.e. on Rs. 614.19				6.14				
						620.33				
		Labour for 1	Each	Depth of 0.30 m.		620.33	620.33			620.33
		Cost for 1	Each	Depth of 0.30 m.			3590.93			
		Add 10% for sub mountainous region								62.03
		Labour for 1	Each	Depth of 0.30 m.						682.36
		Cost for 1	Each	Depth of 0.30 m.						3652.96

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c	19.7.1	Inside size 120x180 cm								
		Unit :-	1	Each Depth of 0.30 m.						
		Taking Output :-	1	Each Depth of 0.30 m.						
I		Material								
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.86+2.46)*0.23*0.30 = 0.600 cum Rate as per CSR item no 11.7		Cum.	0.600	1999.22	1199.53			
ii		115 mm thick brick work with 1st class bricks in foundation and plinth. 2(1.315+1.915)*0.30 = 1.94 Sqm. (Rate as per CSR item 11.35)		Sqm.	1.940	230.42	447.01			
iii		Reinforced cement concrete M-20 For walls 2(1.53+2.130)*0.100*0.30 = 0.220 Cum. Rate as per CSR item no. 10.15		Cum.	0.220	2485.08	546.72			
iv		Mild steel reinforcement for slab : 0.220 cum @ 80 kg/cum = 17.6 kg or 0.18 Qtl. Rate as per CSR item no. 18.18		Qtl.	0.180	4312.78	776.30			
v		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(1.20+1.80)*0.30 = 1.800 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	1.800	53.04	95.47			
vi		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)		Each	1	84.790	84.79			
		Total - I					3149.82			
		Sundries @ 3% i.e. on Rs. 3149.82					94.49			
		Add contractor's profit @ 10% i.e. on Rs. 3244.31					324.43			
		Add Labour cess @ 1% i.e. on Rs. 3568.74					35.69			
		Material cost for	1	Each Depth of 0.30 m.			3604.43	3604.43		3604.43
II		Labour								
		Taking output	1	Each Depth of 0.30 m.						
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.86+2.46)*0.23*0.30 = 0.600 cum Rate as per CSR item no 11.7		Cum.	0.600	283.76	170.26			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
ii		115 mm thick brick work with 1st class bricks in foundation and plinth. $2(1.315+1.915)*0.30 = 1.94$ Sqm. (Rate as per CSR item 11.35)	Sqm.	1.940	53.08	102.98				
iii		Reinforced cement concrete M-20 For walls $2(1.53+2.130)*0.100*0.30 = 0.220$ Cum. Rate as per CSR item no. 10.15	Cum.	0.220	734.64	161.62				
iv		Mild steel reinforcement for slab : 0.220 cum @ 80 kg/cum = 17.6 kg or 0.18 Qtl. Rate as per CSR item no. 18.18	Qtl.	0.180	289.03	52.03				
v		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. $2(1.20+1.80)*0.30 = 1.800$ sqm Rate as per CSR item no.15.8 + 15.41	Sqm	1.800	51.67	93.01				
vi		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)	Each	1	15.100	15.10				
		Total - II				595.00				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 595				17.85				
		Add contractor's profit @ 21.50% i.e. on Rs. 612.85				131.76				
		Add Labour cess @ 1% i.e. on Rs. 744.61				7.45				
2.13						752.06				
		Labour for	1	Each Depth of 0.30 m.		752.06	752.06			752.06
		Cost for	1	Each Depth of 0.30 m.			4356.49			
		Add 10% for sub mountainous region								75.21
		Labour for	1	Each Depth of 0.30 m.						827.27
		Cost for	1	Each Depth of 0.30 m.						4431.70

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d	19.7.1	Inside size 150x180 cm								
		Unit :-	1	Each Depth of 0.30 m.						
		Taking Output :-	1	Each Depth of 0.30 m.						
I		Material								
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(2.16+2.46)*0.23*0.30 = 0.640 cum Rate as per CSR item no 11.7		Cum.	0.640	1999.22	1279.50			
ii		115 mm thick brick work with 1st class bricks in foundation and plinth. 2(1.615+1.915)*0.30 = 2.120 Sqm. (Rate as per CSR item 11.35)		Sqm.	2.120	230.42	488.49			
iii		Reinforced cement concrete M-20 For walls 2(1.83+2.130)*0.100*0.30 = 0.240 Cum. Rate as per CSR item no. 10.15		Cum.	0.240	2485.08	596.42			
iv		Mild steel reinforcement for slab : 0.240 cum @ 80 kg/cum = 19.2 kg or 0.19 Qtl. Rate as per CSR item no. 18.18		Qtl.	0.190	4312.78	819.43			
v		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(1.50+1.80)*0.30 = 1.98 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	1.980	53.04	105.02			
vi		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)		Each	1	84.790	84.79			
		Total - I					3373.65			
		Sundries @ 3% i.e. on Rs. 3373.65					101.21			
		Add contractor's profit @ 10% i.e. on Rs. 3474.86					347.49			
		Add Labour cess @ 1% i.e. on Rs. 3822.35					38.22			
		Material cost for	1	Each Depth of 0.30 m.			3860.57	3860.57		3860.57
II		Labour								
		Taking output	1	Each Depth of 0.30 m.						
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(2.16+2.46)*0.23*0.30 = 0.640 cum Rate as per CSR item no 11.7		Cum.	0.640	283.76	181.61			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
ii		115 mm thick brick work with 1st class bricks in foundation and plinth. 2(1.615+1.915)*0.30 = 2.120 Sqm. (Rate as per CSR item 11.35)	Sqm.	2.120	53.08	112.53				
iii		Reinforced cement concrete M-20 For walls 2(1.83+2.130)*0.100*0.30 = 0.240 Cum. Rate as per CSR item no. 10.15	Cum.	0.240	734.64	176.31				
iv		Mild steel reinforcement for slab : 0.240 cum @ 80 kg/cum = 19.2 kg or 0.19 Qtl. Rate as per CSR item no. 18.18	Qtl.	0.190	289.03	54.92				
v		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(1.50+1.80)*0.30 = 1.98 sqm Rate as per CSR item no.15.8 + 15.41	Sqm	1.980	51.67	102.31				
vi		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)	Each	1	15.100	15.10				
		Total - II				642.78				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 642.78				19.28				
		Add contractor's profit @ 21.50% i.e. on Rs. 662.06				142.34				
		Add Labour cess @ 1% i.e. on Rs. 804.4				8.04				
						812.44				
		Labour for 1	Each	Depth of 0.30 m.		812.44	812.44			812.44
		Cost for 1	Each	Depth of 0.30 m.			4673.01			
		Add 10% for sub mountainous region								81.24
		Labour for 1	Each	Depth of 0.30 m.						893.68
		Cost for 1	Each	Depth of 0.30 m.						4754.25

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.87	DSR - 19.8	Extra cost for every additional depth of 0.300 m. upto 1.80 m depth for manholes.								
a	19.7.1	Inside size 75x120 cm								
		Unit :-	1	Each Depth of 0.30 m.						
		Taking Output :-	1	Each Depth of 0.30 m.						
I		Material								
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) $2(0.98+1.43)*0.23*0.30 = 0.33 \text{ cum}$ Rate as per CSR item no 11.7		Cum.	0.330	1999.22	659.74			
ii		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. $2(0.75+1.20)*0.30 = 1.170 \text{ sqm}$ Rate as per CSR item no.15.8 + 15.41		Sqm	1.170	53.04	62.06			
iii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)		Each	1	84.790	84.79			
		Total - I					806.59			
		Sundries @ 3% i.e. on Rs. 806.59					24.20			
		Add contractor's profit @ 10% i.e. on Rs. 830.79					83.08			
		Add Labour cess @ 1% i.e. on Rs. 913.87					9.14			
		Material cost for	1	Each Depth of 0.30 m.			923.01	923.01		923.01
II		Labour								
		Taking output	1	Each Depth of 0.30 m.						
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) $2(0.98+1.43)*0.23*0.30 = 0.33 \text{ cum}$ Rate as per CSR item no 11.7		Cum.	0.330	283.76	93.64			
ii		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. $2(0.75+1.20)*0.30 = 1.170 \text{ sqm}$ Rate as per CSR item no.15.8 + 15.41		Sqm	1.170	51.67	60.45			
iii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)		Each	1	15.100	15.10			
		Total - II					169.19			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 169.19					5.08			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Add contractor's profit @ 21.50% i.e. on Rs. 174.27						37.47				
		Add Labour cess @ 1% i.e. on Rs. 211.74						2.12				
								213.86				
		Labour for	1	Each Depth of 0.30 m.				213.86	213.86			213.86
		Cost for	1	Each Depth of 0.30 m.					1136.87			
		Add 10% for sub mountainous region										21.39
		Labour for	1	Each Depth of 0.30 m.								235.25
		Cost for	1	Each Depth of 0.30 m.								1158.26

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b	19.7.1	Inside size 90x150 cm								
		Unit :-	1	Each Depth of 0.30 m.						
		Taking Output :-	1	Each Depth of 0.30 m.						
I		Material								
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.130+1.73)*0.23*0.30 = 0.390 cum Rate as per CSR item no 11.7		Cum.	0.390	1999.22	779.70			
ii		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(0.90+1.50)*0.30 = 1.44 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	1.440	53.04	76.38			
iii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)		Each	1	84.790	84.79			
		Total - I					940.87			
		Sundries @ 3% i.e. on Rs. 940.87					28.23			
		Add contractor's profit @ 10% i.e. on Rs. 969.1					96.91			
		Add Labour cess @ 1% i.e. on Rs. 1066.01					10.66			
		Material cost for	1	Each Depth of 0.30 m.			1076.67		1076.67	
II		Labour								
		Taking output	1	Each Depth of 0.30 m.						
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.130+1.73)*0.23*0.30 = 0.390 cum Rate as per CSR item no 11.7		Cum.	0.390	283.76	110.67			
ii		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(0.90+1.50)*0.30 = 1.44 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	1.440	51.67	74.40			
iii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)		Each	1	15.100	15.10			
		Total - II					200.17			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 200.17					6.01			
		Add contractor's profit @ 21.50% i.e. on Rs. 206.18					44.33			
		Add Labour cess @ 1% i.e. on Rs. 250.51					2.51			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
								253.02				
		Labour for	1	Each Depth of 0.30 m.				253.02	253.02			253.02
		Cost for	1	Each Depth of 0.30 m.					1329.69			
		Add 10% for sub mountainous region										25.30
		Labour for	1	Each Depth of 0.30 m.								278.32
		Cost for	1	Each Depth of 0.30 m.								1354.99

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c	19.7.1	Inside size 120x180 cm								
		Unit :-	1	Each Depth of 0.30 m.						
		Taking Output :-	1	Each Depth of 0.30 m.						
I		Material								
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.430+2.03)*0.23*0.30 = 0.48 cum Rate as per CSR item no 11.7		Cum.	0.480	1999.22	959.63			
ii		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(1.80+1.20)*0.30 = 1.80 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	1.800	53.04	95.47			
iii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)		Each	1	84.790	84.79			
		Total - I					1139.89			
		Sundries @ 3% i.e. on Rs. 1139.89					34.20			
		Add contractor's profit @ 10% i.e. on Rs. 1174.09					117.41			
		Add Labour cess @ 1% i.e. on Rs. 1291.5					12.92			
		Material cost for	1	Each Depth of 0.30 m.			1304.42		1304.42	
II		Labour								
		Taking output	1	Each Depth of 0.30 m.						
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.430+2.03)*0.23*0.30 = 0.48 cum Rate as per CSR item no 11.7		Cum.	0.480	283.76	136.20			
ii		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(1.80+1.20)*0.30 = 1.80 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	1.800	51.67	93.01			
iii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)		Each	1	15.100	15.10			
		Total - II					244.31			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 244.31					7.33			
		Add contractor's profit @ 21.50% i.e. on Rs. 251.64					54.10			
		Add Labour cess @ 1% i.e. on Rs. 305.74					3.06			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
								308.80				
		Labour for	1	Each Depth of 0.30 m.				308.80	308.80			308.80
		Cost for	1	Each Depth of 0.30 m.					1613.22			
		Add 10% for sub mountainous region										30.88
		Labour for	1	Each Depth of 0.30 m.								339.68
		Cost for	1	Each Depth of 0.30 m.								1644.10

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d	19.7.1	Inside size 150x180 cm								
		Unit :-	1	Each Depth of 0.30 m.						
		Taking Output :-	1	Each Depth of 0.30 m.						
I		Material								
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.730+2.03)*0.23*0.30 = 0.52 cum Rate as per CSR item no 11.7		Cum.	0.520	1999.22	1039.59			
ii		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(1.80+1.50)*0.30 = 1.98 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	1.980	53.04	105.02			
iii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)		Each	1	84.790	84.79			
		Total - I					1229.40			
		Sundries @ 3% i.e. on Rs. 1229.4					36.88			
		Add contractor's profit @ 10% i.e. on Rs. 1266.28					126.63			
		Add Labour cess @ 1% i.e. on Rs. 1392.91					13.93			
		Material cost for	1	Each Depth of 0.30 m.			1406.84	1406.84		1406.84
II		Labour								
		Taking output	1	Each Depth of 0.30 m.						
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.730+2.03)*0.23*0.30 = 0.52 cum Rate as per CSR item no 11.7		Cum.	0.520	283.76	147.56			
ii		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(1.80+1.50)*0.30 = 1.98 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	1.980	51.67	102.31			
iii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)		Each	1	15.100	15.10			
		Total - II					264.97			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 264.97					7.95			
		Add contractor's profit @ 21.50% i.e. on Rs. 272.92					58.68			
		Add Labour cess @ 1% i.e. on Rs. 331.6					3.32			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
								334.92				
		Labour for	1	Each Depth of 0.30 m.				334.92	334.92			334.92
		Cost for	1	Each Depth of 0.30 m.					1741.76			
		Add 10% for sub mountainous region										33.49
		Labour for	1	Each Depth of 0.30 m.								368.41
		Cost for	1	Each Depth of 0.30 m.								1775.25

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
	29.88	Extra over and above on item No. 29.86 for every additional 0.30 metres depth upto 2 metres for depth beyond 4 metres below ground level. On 175mm. internal Diameter to 450mm internal Diameter pipe sewers.								

DELETED and replaced with new

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.88	DSR - 19.8	Extra cost for every additional depth of 0.300 m. From 1.80 m. upto 3.60 m depth for manholes								
a	19.7.1	Inside size 75x120 cm								
		Unit :-	1	Each Depth of 0.30 m.						
		Taking Output :-	1	Each Depth of 0.30 m.						
I		Material								
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) $2(1.095+1.545)*0.23*0.30 = 0.36 \text{ cum}$ Rate as per CSR item no 11.7		Cum.	0.360	1999.22	719.72			
ii		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. $2(0.75+1.20)*0.30 = 1.170 \text{ sqm}$ Rate as per CSR item no.15.8 + 15.41		Sqm	1.170	53.04	62.06			
iii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)		Each	1	84.790	84.79			
		Total - I					866.57			
		Sundries @ 3% i.e. on Rs. 866.57					26.00			
		Add contractor's profit @ 10% i.e. on Rs. 892.57					89.26			
		Add Labour cess @ 1% i.e. on Rs. 981.83					9.82			
		Material cost for	1	Each Depth of 0.30 m.			991.65	991.65		991.65
II		Labour								
		Taking output	1	Each Depth of 0.30 m.						
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) $2(1.095+1.545)*0.23*0.30 = 0.36 \text{ cum}$ Rate as per CSR item no 11.7		Cum.	0.360	283.76	102.15			
ii		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. $2(0.75+1.20)*0.30 = 1.170 \text{ sqm}$ Rate as per CSR item no.15.8 + 15.41		Sqm	1.170	51.67	60.45			
iii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)		Each	1	15.100	15.10			
		Total - II					177.70			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 177.7					5.33			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Add contractor's profit @ 21.50% i.e. on Rs. 183.03						39.35				
		Add Labour cess @ 1% i.e. on Rs. 222.38						2.22				
								224.60				
		Labour for	1	Each Depth of 0.30 m.				224.60	224.60			224.60
		Cost for	1	Each Depth of 0.30 m.					1216.25			
		Add 10% for sub mountainous region										22.46
		Labour for	1	Each Depth of 0.30 m.								247.06
		Cost for	1	Each Depth of 0.30 m.								1238.71

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b	19.7.1	Inside size 90x150 cm								
		Unit :-	1	Each Depth of 0.30 m.						
		Taking Output :-	1	Each Depth of 0.30 m.						
I		Material								
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.245+1.845)*0.23*0.30 = 0.430 cum Rate as per CSR item no 11.7		Cum.	0.430	1999.22	859.66			
ii		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(0.90+1.50)*0.30 = 1.44 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	1.440	53.04	76.38			
iii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)		Each	1	84.790	84.79			
		Total - I					1020.83			
		Sundries @ 3% i.e. on Rs. 1020.83					30.62			
		Add contractor's profit @ 10% i.e. on Rs. 1051.45					105.15			
		Add Labour cess @ 1% i.e. on Rs. 1156.6					11.57			
		Material cost for	1	Each Depth of 0.30 m.			1168.17		1168.17	
II		Labour								
		Taking output	1	Each Depth of 0.30 m.						
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.245+1.845)*0.23*0.30 = 0.430 cum Rate as per CSR item no 11.7		Cum.	0.430	283.76	122.02			
ii		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(0.90+1.50)*0.30 = 1.44 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	1.440	51.67	74.40			
iii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)		Each	1	15.100	15.10			
		Total - II					211.52			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 211.52					6.35			
		Add contractor's profit @ 21.50% i.e. on Rs. 217.87					46.84			
		Add Labour cess @ 1% i.e. on Rs. 264.71					2.65			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
								267.36				
		Labour for	1	Each Depth of 0.30 m.				267.36	267.36			267.36
		Cost for	1	Each Depth of 0.30 m.					1435.53			
		Add 10% for sub mountainous region										26.74
		Labour for	1	Each Depth of 0.30 m.								294.10
		Cost for	1	Each Depth of 0.30 m.								1462.27

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c	19.7.1	Inside size 120x180 cm								
		Unit :-	1	Each Depth of 0.30 m.						
		Taking Output :-	1	Each Depth of 0.30 m.						
I		Material								
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.545+2.145)*0.23*0.30 = 0.510 cum Rate as per CSR item no 11.7		Cum.	0.510	1999.22	1019.60			
ii		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(1.80+1.20)*0.30 = 1.80 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	1.800	53.04	95.47			
iii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)		Each	1	84.790	84.79			
		Total - I					1199.86			
		Sundries @ 3% i.e. on Rs. 1199.86					36.00			
		Add contractor's profit @ 10% i.e. on Rs. 1235.86					123.59			
		Add Labour cess @ 1% i.e. on Rs. 1359.45					13.59			
		Material cost for	1	Each Depth of 0.30 m.			1373.04		1373.04	
II		Labour								
		Taking output	1	Each Depth of 0.30 m.						
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.545+2.145)*0.23*0.30 = 0.510 cum Rate as per CSR item no 11.7		Cum.	0.510	283.76	144.72			
ii		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(1.80+1.20)*0.30 = 1.80 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	1.800	51.67	93.01			
iii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)		Each	1	15.100	15.10			
		Total - II					252.83			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 252.83					7.58			
		Add contractor's profit @ 21.50% i.e. on Rs. 260.41					55.99			
		Add Labour cess @ 1% i.e. on Rs. 316.4					3.16			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
								319.56				
		Labour for	1	Each Depth of 0.30 m.				319.56	319.56			319.56
		Cost for	1	Each Depth of 0.30 m.					1692.60			
		Add 10% for sub mountainous region										31.96
		Labour for	1	Each Depth of 0.30 m.								351.52
		Cost for	1	Each Depth of 0.30 m.								1724.56

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d	19.7.1	Inside size 150x180 cm								
		Unit :-	1	Each Depth of 0.30 m.						
		Taking Output :-	1	Each Depth of 0.30 m.						
I		Material								
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.845+2.145)*0.23*0.30 = 0.550 cum Rate as per CSR item no 11.7		Cum.	0.550	1999.22	1099.57			
ii		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(1.80+1.50)*0.30 = 1.98 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	1.980	53.04	105.02			
iii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - I)		Each	1	84.790	84.79			
		Total - I					1289.38			
		Sundries @ 3% i.e. on Rs. 1289.38					38.68			
		Add contractor's profit @ 10% i.e. on Rs. 1328.06					132.81			
		Add Labour cess @ 1% i.e. on Rs. 1460.87					14.61			
		Material cost for	1	Each Depth of 0.30 m.			1475.48		1475.48	
II		Labour								
		Taking output	1	Each Depth of 0.30 m.						
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:4 (1 cement: 4 coarse sand) 2(1.845+2.145)*0.23*0.30 = 0.550 cum Rate as per CSR item no 11.7		Cum.	0.550	283.76	156.07			
ii		12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with neat cement rendering. 2(1.80+1.50)*0.30 = 1.98 sqm Rate as per CSR item no.15.8 + 15.41		Sqm	1.980	51.67	102.31			
iii		Orange coloured PVC foot rest. (Rate as per CSR item 29.37 (b) Total - II)		Each	1	15.100	15.10			
		Total - II					273.48			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 273.48					8.20			
		Add contractor's profit @ 21.50% i.e. on Rs. 281.68					60.56			
		Add Labour cess @ 1% i.e. on Rs. 342.24					3.42			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
								345.66				
		Labour for	1	Each Depth of 0.30 m.				345.66	345.66			345.66
		Cost for	1	Each Depth of 0.30 m.					1821.14			
		Add 10% for sub mountainous region										34.57
		Labour for	1	Each Depth of 0.30 m.								380.23
		Cost for	1	Each Depth of 0.30 m.								1855.71

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.89		Construction of brick masonry inspection chambers size as given below upto 0.60 metre average depth in 1:5 cement sand mortar, lime concrete with 40 per cent lime mortar 2:3 in foundation, cement concrete 1:2:4 benching 12.50mm thick cement plaster 1:2 with a floating coat of 1mm thick of neat cement, R.C.C. 1:2:4 slabs 100mm thick cement concrete topping 50mm thick with 455mm x 455mm, 455mm x 610mm inside light duty C.I. inspection chamber cover and frame (Weight as per I.S.I specifications) painted with 3 coats of black bitumastic paint conforming to I.S.I complete as per standard design.								
(a)		Size 450mm x 450mm inside with RCC 455mm x 455mm cover and frame light duty double seal								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		Cement concrete 1:2:4 with brick ballast (Rate as per CSR item 10.11) 1x1.07x1.07x0.15 = 0.17Cum		Cum	0.17	1683.63	286.22			
ii		First Class brick work in cement mortar 1:5 In foundation and plinth (Rate as per CSR item 11.5) 1x2.74x0.23x0.53 = 0.33 Cum		Cum	0.33	1920.54	633.78			
iii		Conglomerate floor 50mm thick cement concrete topping 1:2:4 (Rate as per CSR item 14.5) 2x0.91x0.23 = 0.42 Sqm 2x0.46x0.23 = 0.21 Sqm Total = 0.63 Sqm		Sqm	0.63	121.47	76.53			
iv		Cement concrete for 1:2:4 for benching 1x0.46x0.46x0.15 = 0.032 Less Channel 100mm dia 1x22/7x0.10x0.10x1/4x1/2x0.46 = 0.002 Above Channel 1x0.46x0.05x0.10 = 0.002 Total = 0.004 Net 0.032 - 0.004 = 0.028 Cum		Cum	0.028	1683.63	47.14			
v		12.50 Thick cement plaster 1:2 with rendering (Rate as per CSR item 15.7+15.41) 1x1.83x0.37 = 0.68 Sqm		Sqm	0.680	63.13	42.93			
vi		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - II)		Each	1	3008.840	3008.84			
		Total - I					4095.44			
		Sundries @ 3% i.e. on Rs. 4095.44					122.86			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Add contractor's profit @ 10% i.e. on Rs. 4218.3				421.83				
		Add Labour cess @ 1% i.e. on Rs. 4640.13				46.40				
		Material cost for	1	Each		4686.53	4686.53			4686.53
II		Labour								
i		Excavation (Rate as per CSR item 29.1) 1x1.07x1.07x0.79 = 0.90Cum		Cum	0.900	75.43	67.89			
ii		Cement concrete 1:2:4 with brick ballast (Rate as per CSR item 10.11) 1x1.07x1.07x0.15 = 0.17Cum		Cum	0.17	261.25	44.41			
iii		First Class brick work in cement mortar 1:5 In foundation and plinth (Rate as per CSR item 11.5) 1x2.74x0.23x0.53 = 0.33 Cum		Cum	0.33	283.76	93.64			
iv		Conglomerate floor 50mm thick cement concrete topping 1:2:4 (Rate as per CSR item 14.5) 2x0.91x0.23 = 0.42 Sqm 2x0.46x0.23 = 0.21 Sqm Total = 0.63 Sqm		Sqm	0.63	21.12	13.31			
v		Cement concrete for 1:2:4 for benching 1x0.46x0.46x0.15 = 0.032 Less Channel 100mm dia 1x22/7x0.10x0.10x1/4x1/2x0.46 = 0.002 Above Channel 1x0.46x0.05x0.10 = 0.002 Total = 0.004 Net 0.032 - 0.004 = 0.028 Cum		Cum	0.028	261.25	7.32			
vi		12.50 Thick cement plaster 1:2 with rendering (Rate as per CSR item 15.7+15.41) 1x1.83x0.37 = 0.68 Sqm		Sqm	0.680	51.67	35.14			
vii		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - II)		Each	1	276.370	276.37			
viii		Extra labour for making channel								
a		Mason 1st Class		Each	0.060	223.36	13.40			
b		Mason 2nd Class		Each	0.060	190.00	11.40			
		Total - II					562.88			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 562.88					16.89			
		Add contractor's profit @ 21.50% i.e. on Rs. 579.77					124.65			
		Add Labour cess @ 1% i.e. on Rs. 704.42					7.04			
							711.46			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Labour for	1	Each				711.46	711.46			711.46
		Cost for	1	Each					5397.99			
		Add 10% for sub mountainous region										71.15
		Labour for	1	Each								782.61
		Cost for	1	Each								5469.14

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
(b)		450mm x 600mm inside with 455mm x 610mm cover and frame light duty double seal								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		Cement concrete 1:2:4 with brick ballast (Rate as per CSR item 10.11) 1x1.22x1.07x0.15 = 0.19 Cum	Cum	0.19	1683.63	319.89				
ii		First Class brick work in cement mortar 1:5 In foundation and plinth (Rate as per CSR item 11.5) 1x3.05x0.23x0.53 = 0.37 Cum	Cum	0.37	1920.54	710.60				
iii		Cement concrete for 1:2:4 for benching 1x0.46x0.61x0.20 = 0.056 Cum Deduct Channel 1150mm dia 1x22/7x0.15x0.15x1/4x0.61x1/2 = 0.005 Cum Portion above channel 1x0.15x0.08x0.61 = 0.007 Cum Total = 0.012 Cum Net 0.056 - 0.012 = 0.044 Cum	Cum	0.044	1683.63	74.08				
iv		Reinforced cement concrete M-20 1x0.91x1.07x0.1 = 0.097 Cum Less cover opening 1x0.45x0.45x0.10 = 0.02 Cum Net = 0.077 Cum Rate as per CSR item no. 10.15	Cum.	0.077	2485.08	191.35				
v		Mild steel reinforcement for slab : 0.077 cum @ 80 kg/cum = 6.16 kg or 0.0616 Qtl. Rate as per CSR item no. 18.18	Qtl.	0.0616	4312.78	265.67				
vi		12.50 Thick cement plaster 1:2 with rendering (Rate as per CSR item 15.7+15.41) 2.13 x 0.32 = 0.68 Sqm	Sqm	0.680	63.13	42.93				
vii		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - II)	Each	1	3008.840	3008.84				
		Total - I				4613.36				
		Sundries @ 3% i.e. on Rs. 4613.36				138.40				
		Add contractor's profit @ 10% i.e. on Rs. 4751.76				475.18				
		Add Labour cess @ 1% i.e. on Rs. 5226.94				52.27				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Material cost for	1	Each		5279.21	5279.21			5279.21
II		Labour								
i		Excavation (Rate as per CSR item 29.1) 1x1.22x1.07x0.79 = 1.02 Cum	Cum	1.020	75.43	76.94				
ii		Cement concrete 1:2:4 with brick ballast (Rate as per CSR item 10.11) 1x1.22x1.07x0.15 = 0.19 Cum	Cum	0.19	261.25	49.64				
iii		First Class brick work in cement mortar 1:5 In foundation and plinth (Rate as per CSR item 11.5) 1x3.05x0.23x0.53 = 0.37 Cum	Cum	0.37	283.76	104.99				
iv		Cement concrete for 1:2:4 for benching 1x0.46x0.61x0.20 = 0.056 Cum Deduct Channel 1150mm dia 1x22/7x0.15x0.15x1/4x0.61x1/2 = 0.005 Cum Portion above channel 1x0.15x0.08x0.61 = 0.007 Cum Total = 0.012 Cum Net 0.056 - 0.012 = 0.044 Cum	Cum	0.044	261.25	11.50				
v		Reinforced cement concrete M-20 1x0.91x1.07x0.1 = 0.097 Cum Less cover opening 1x0.45x0.45x0.10 = 0.02 Cum Net = 0.077 Cum Rate as per CSR item no. 10.15	Cum.	0.077	734.64	56.57				
vi		Mild steel reinforcement for slab : 0.077 cum @ 80 kg/cum = 6.16 kg or 0.0616 Qtl. Rate as per CSR item no. 18.18	Qtl.	0.0616	289.03	17.80				
vii		Form work = 1x0.91x1.07 = 0.974 Sqm Rate as per CSR item no 9.1	Sqm	0.974	93.69	91.25				
viii		12.50 Thick cement plaster 1:2 with rendering (Rate as per CSR item 15.7+15.41) 2.13 x 0.32 = 0.68 Sqm	Sqm	0.680	51.67	35.14				
ix		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - II)	Each	1	276.370	276.37				
x		Extra labour for making channel								
a		Mason 1st Class	Each	0.060	223.36	13.40				
b		Mason 2nd Class	Each	0.060	190.00	11.40				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Total - II						745.00				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 745						22.35				
		Add contractor's profit @ 21.50% i.e. on Rs. 767.35						164.98				
		Add Labour cess @ 1% i.e. on Rs. 932.33						9.32				
								941.65				
		Labour for	1	Each				941.65	941.65			941.65
		Cost for	1	Each					6220.86			
		Add 10% for sub mountainous region										94.17
		Labour for	1	Each								1035.82
		Cost for	1	Each								6315.03

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
(c)		600mm x 900mm inside with 455mm x 455mm cover and frame light duty double seal								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		Cement concrete 1:2:4 with brick ballast (Rate as per CSR item 10.11) 1x1.52x1.22x0.15 = 0.28 Cum	Cum	0.28	1683.63	471.42				
ii		First Class brick work in cement mortar 1:5 In foundation and plinth (Rate as per CSR item 11.5) 1x3.96x0.23x0.53 = 0.49 Cum	Cum	0.49	1920.54	941.06				
iii		Cement concrete for 1:2:4 for benching 1x0.6x0.91x0.23 = 0.128 Cum Deduct Channel 22/7x0.15x0.15x1/4x0.91x2 = 0.008 Cum Portion above channel 0.15x0.91x0.08 = 0.011 Cum Total = 0.019 Cum Net 0.128 - 0.019 = 0.109 Cum	Cum	0.109	1683.63	183.52				
iv		Reinforced cement concrete M-20 1x1.07x1.37x0.10 = 0.147 Cum Less Opening 0.45x0.45x0.10 = 0.02 Cum Total = 0.13 Cum Rate as per CSR item no. 10.15	Cum.	0.130	2485.08	323.06				
v		Mild steel reinforcement for slab : 0.13 cum @ 80 kg/cum = 10.40 kg or 0.104 Qtl. Rate as per CSR item no. 18.18	Qtl.	0.1040	4312.78	448.53				
vi		12.50 Thick cement plaster 1:2 with rendering (Rate as per CSR item 15.7+15.41) 1x3.05x0.32 = 0.98 Sqm	Sqm	0.980	63.13	61.87				
vii		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - II)	Each	1	3008.840	3008.84				
		Total - I				5438.30				
		Sundries @ 3% i.e. on Rs. 5438.3				163.15				
		Add contractor's profit @ 10% i.e. on Rs. 5601.45				560.15				
		Add Labour cess @ 1% i.e. on Rs. 6161.6				61.62				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Material cost for	1	Each		6223.22	6223.22			6223.22
II		Labour								
i		Excavation (Rate as per CSR item 29.1) 1x1.52x1.22x0.79 = 1.47 Cum	Cum	1.470	75.43	110.88				
ii		Cement concrete 1:2:4 with brick ballast (Rate as per CSR item 10.11) 1x1.52x1.22x0.15 = 0.28 Cum	Cum	0.28	261.25	73.15				
iii		First Class brick work in cement mortar 1:5 In foundation and plinth (Rate as per CSR item 11.5) 1x3.96x0.23x0.53 = 0.49 Cum	Cum	0.49	283.76	139.04				
iv		Cement concrete for 1:2:4 for benching 1x0.6x0.91x0.23 = 0.128 Cum Deduct Channel 22/7x0.15x0.15x1/4x0.91x2 = 0.008 Cum Portion above channel 0.15x0.91x0.08 = 0.011 Cum Total = 0.019 Cum Net 0.128 - 0.019 = 0.109 Cum	Cum	0.109	261.25	28.48				
v		Reinforced cement concrete M-20 1x1.07x1.37x0.10 = 0.147 Cum Less Opening 0.45x0.45x0.10 = 0.02 Cum Total = 0.13 Cum Rate as per CSR item no. 10.15	Cum.	0.130	734.64	95.50				
vi		Mild steel reinforcement for slab : 0.13 cum @ 80 kg/cum = 10.40 kg or 0.104 Qtl. Rate as per CSR item no. 18.18	Qtl.	0.1040	289.03	30.06				
vii		Form work = 1x1.07x1.37 = 1.466 Sqm Rate as per CSR item no 9.1	Sqm	1.466	93.69	137.35				
viii		12.50 Thick cement plaster 1:2 with rendering (Rate as per CSR item 15.7+15.41) 1x3.05x0.32 = 0.98 Sqm	Sqm	0.980	51.67	50.64				
ix		FRCC cover including frame light duty (Rate as per CSR item 29.36 (h) Total - II)	Each	1	276.370	276.37				
x		Extra labour for making channel								
a		Mason 1st Class	Each	0.060	223.36	13.40				
b		Mason 2nd Class	Each	0.060	190.00	11.40				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Total - II						966.27				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 966.27						28.99				
		Add contractor's profit @ 21.50% i.e. on Rs. 995.26						213.98				
		Add Labour cess @ 1% i.e. on Rs. 1209.24						12.09				
								1221.33				
		Labour for	1	Each				1221.33	1221.33			1221.33
		Cost for	1	Each					7444.55			
		Add 10% for sub mountainous region										122.13
		Labour for	1	Each								1343.46
		Cost for	1	Each								7566.68

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.90		Extra for every 0.30 metre depth of inspection chamber.								
(a)		450mm x 450mm inside								
		Unit :-	1	Each Depth of 0.30 m.						
		Taking Output :-	1	Each Depth of 0.30 m.						
I		Material								
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:5 (1 cement: 5 coarse sand) 1x2.74x0.23 = 0.19 Cum Rate as per CSR item no 11.5		Cum.	0.190	1920.54	364.90			
ii		12 mm cement plaster 1:2 (1 cement: 2 coarse sand) finished with neat cement rendering. 1x1.83x0.30 = 0.55 Sqm Rate as per CSR item no.15.7 + 15.41		Sqm	0.550	63.13	34.72			
		Total - I					399.62			
		Sundries @ 3% i.e. on Rs. 399.62					11.99			
		Add contractor's profit @ 10% i.e. on Rs. 411.61					41.16			
		Add Labour cess @ 1% i.e. on Rs. 452.77					4.53			
		Material cost for	1	Each Depth of 0.30 m.		457.30	457.30			457.30
II		Labour								
		Taking output	1	Each Depth of 0.30 m.						
i		Excavation (Rate as per CSR item 29.1) 1x1.07x1.07x0.30 = 0.34Cum		Cum	0.340	75.43	25.65			
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:5 (1 cement: 5 coarse sand) 1x2.74x0.23 = 0.19 Cum Rate as per CSR item no 11.5		Cum.	0.190	283.76	53.91			
iii		12 mm cement plaster 1:2 (1 cement: 2 coarse sand) finished with neat cement rendering. 1x1.83x0.30 = 0.55 Sqm Rate as per CSR item no.15.7 + 15.41		Sqm	0.550	51.67	28.42			
		Total - II					107.98			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 107.98					3.24			
		Add contractor's profit @ 21.50% i.e. on Rs. 111.22					23.91			
		Add Labour cess @ 1% i.e. on Rs. 135.13					1.35			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
								136.48				
		Labour for	1	Each Depth of 0.30 m.				136.48	136.48			136.48
		Cost for	1	Each Depth of 0.30 m.					593.78			
		Add 10% for sub mountainous region										13.65
		Labour for	1	Each Depth of 0.30 m.								150.13
		Cost for	1	Each Depth of 0.30 m.								607.43

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
(b)		450mm x 600mm inside								
		Unit :-	1	Each Depth of 0.30 m.						
		Taking Output :-	1	Each Depth of 0.30 m.						
I		Material								
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:5 (1 cement: 5 coarse sand) 1x3.05x0.23x0.30 = 0.21 Cum Rate as per CSR item no 11.5		Cum.	0.210	1920.54	403.31			
ii		12 mm cement plaster 1:2 (1 cement: 2 coarse sand) finished with neat cement rendering. 1x2.13x0.30 = 0.64 Sqm Rate as per CSR item no.15.7 + 15.41		Sqm	0.640	63.13	40.40			
		Total - I					443.71			
		Sundries @ 3% i.e. on Rs. 443.71					13.31			
		Add contractor's profit @ 10% i.e. on Rs. 457.02					45.70			
		Add Labour cess @ 1% i.e. on Rs. 502.72					5.03			
		Material cost for	1	Each Depth of 0.30 m.			507.75		507.75	
II		Labour								
		Taking output	1	Each Depth of 0.30 m.						
i		Excavation (Rate as per CSR item 29.1) 1x1.22x1.07x0.30 = 0.39 Cum		Cum	0.390	75.43	29.42			
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:5 (1 cement: 5 coarse sand) 1x3.05x0.23x0.30 = 0.21 Cum Rate as per CSR item no 11.5		Cum.	0.210	283.76	59.59			
iii		12 mm cement plaster 1:2 (1 cement: 2 coarse sand) finished with neat cement rendering. 1x2.13x0.30 = 0.64 Sqm Rate as per CSR item no.15.7 + 15.41		Sqm	0.640	51.67	33.07			
		Total - II					122.08			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 122.08					3.66			
		Add contractor's profit @ 21.50% i.e. on Rs. 125.74					27.03			
		Add Labour cess @ 1% i.e. on Rs. 152.77					1.53			
							154.30			
		Labour for	1	Each Depth of 0.30 m.			154.30		154.30	

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Cost for	1	Each Depth of 0.30 m.					662.05			
		Add 10% for sub mountainous region										15.43
		Labour for	1	Each Depth of 0.30 m.								169.73
		Cost for	1	Each Depth of 0.30 m.								677.48

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
(c)		600mm x 900mm inside								
		Unit :-	1	Each Depth of 0.30 m.						
		Taking Output :-	1	Each Depth of 0.30 m.						
I		Material								
i		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:5 (1 cement: 5 coarse sand) 1x4x0.23x0.30 = 0.28 Cum Rate as per CSR item no 11.5		Cum.	0.280	1920.54	537.75			
ii		12 mm cement plaster 1:2 (1 cement: 2 coarse sand) finished with neat cement rendering. 1x3.05x0.30 = 0.92 Sqm Rate as per CSR item no.15.7 + 15.41		Sqm	0.920	63.13	58.08			
		Total - I					595.83			
		Sundries @ 3% i.e. on Rs. 595.83					17.87			
		Add contractor's profit @ 10% i.e. on Rs. 613.7					61.37			
		Add Labour cess @ 1% i.e. on Rs. 675.07					6.75			
		Material cost for	1	Each Depth of 0.30 m.			681.82	681.82		681.82
II		Labour								
		Taking output	1	Each Depth of 0.30 m.						
i		Excavation (Rate as per CSR item 29.1) 1x1.52x1.22x0.30 = 0.56 Cum		Cum	0.560	75.43	42.24			
ii		Brick work with 1st class bricks in foundation & plinth in cement mortar 1:5 (1 cement: 5 coarse sand) 1x4x0.23x0.30 = 0.28 Cum Rate as per CSR item no 11.5		Cum.	0.280	283.76	79.45			
iii		12 mm cement plaster 1:2 (1 cement: 2 coarse sand) finished with neat cement rendering. 1x3.05x0.30 = 0.92 Sqm Rate as per CSR item no.15.7 + 15.41		Sqm	0.920	51.67	47.54			
		Total - II					169.23			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 169.23					5.08			
		Add contractor's profit @ 21.50% i.e. on Rs. 174.31					37.48			
		Add Labour cess @ 1% i.e. on Rs. 211.79					2.12			
							213.91			
		Labour for	1	Each Depth of 0.30 m.			213.91	213.91		213.91

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Cost for	1	Each Depth of 0.30 m.					895.73			
		Add 10% for sub mountainous region										21.39
		Labour for	1	Each Depth of 0.30 m.								235.30
		Cost for	1	Each Depth of 0.30 m.								917.12

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.91		Constructing Brick masonry ventilating chambers as per standard drawing including dressing of beds and sides of chamber to exact profiles 15cm. Lime concrete 16:24:100 (as specified in item No. 10.3) in foundation, first class brick work laid in cement sand mortar 1:5, cement concrete 1:2:4 for reinforced concrete work in slab, 12.5mm thick cement plaster 1:2 rendered with a floating coat of neat cement 1mm thick over exposed brick tablet and inside walls, lime pointing 2:3 on outside complete and as required by the Engineer-In-Charge.								
		Masonry Ventilator								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material:								
i		Cement Concrete 1:6:12 with stone ballast in foundation and plinth (Rate as per CSR item 10.10) 1x1.98x0.84x0.15 = 0.25Cum								
			Cum	0.250	997.61	249.40				
ii		First Class brick work laid in cement sand mortar 1:5 in foundation and plinth (Rate as per CSR item 11.5) Below Ground Level Long wall 2x1.83x0.23x1.07 = 0.90 Short Wall 2x0.23x0.23x1.07 = 0.11 Above Ground Level Long wall 2x1.83x0.23x0.72 = 0.61 2x1.83x0.19x0.11 = 0.08 Short wall 2x0.23x0.23x0.72 = 0.08 2x0.23x0.23x0.11 = 0.01 Total = 1.79 Cum Deduction Opening and perforation R.C.C jali 1x0.46x0.23x0.38 = 0.04 R.C.C Beam below jali 1x0.46x0.11x0.11 = 0.01 R.C.C Beam over jali 1x0.53x0.11x0.11 = 0.01 Total = 0.06 Cum Net 1.79 - 0.06 = 1.73 Cum								
			Cum	1.730	1920.54	3322.53				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		Reinforced cement concrete M-20 1x1.524x0.305x0.114 = 0.053 Cum 1x0.46x0.11x0.115 = 0.006 Cum 1x0.53x0.11x0.115 = 0.006 Cum Total = 0.065 Cum Rate as per CSR item no. 10.15	Cum.	0.065	2485.08	161.53				
iv		Mild steel reinforcement for slab : 0.065 cum @ 80 kg/cum = 5.20 kg or 0.052 Qtl. Rate as per CSR item no. 18.18	Qtl.	0.0520	4312.78	224.26				
v		12.50mm thick cement plaster 1:2 (Rate as per CSR item 15.7) Outside the walls (front) = 1x1.60x0.38 = 0.61 Sqm Inside long walls = 2x1.37x1.91 = 5.23 Sqm Short wall = 2x0.23x1.91 = 0.88 Sqm Total = 6.72 Sqm Deduction Perforated Slab = 1x0.46x0.38 = 0.17 Sqm Net 6.72 - 0.17 = 6.55 Sqm	Sqm	6.550	55.26	361.95				
vi		Cement rendering on plaster 1mm thick (Qty same as above) (Rate as per CSR item 15.41)	Sqm	6.550	7.87	51.55				
vii		Cement pointing 1:2 weathered and struck top portion (Rate same as per CSR item 15.51) Long walls = 2x1.83x0.19 = 0.70 Sqm Short wall = 2x0.30x0.15 = 0.09 Sqm Outside long wall = 2x1.83x0.84 = 3.07 Sqm Short wall = 2x0.69x0.84 = 1.16 Sqm Total = 5.02 Sqm Deduction Long wall performed slab portion 1x1.60x0.38 = 0.61 Sqm 1x0.46x0.38 = 0.17 Sqm 1x0.46x0.115 = 0.05 Sqm 2x0.53x0.115 = 0.12 Sqm Total = 0.95 Sqm Net 5.02 - 0.95 = 4.07 Sqm	Sqm	4.070	12.14	49.41				
viii		Reinforced cement concrete precast jali of 1:2:4 in ventilator fixed to the masonry work etc complete. Perforated R.C.C Slab of size 0.46 x 0.38	Each	1.000	150.00	150.00				
		Total - I				4570.63				
		Sundries @ 3% i.e. on Rs. 4570.63				137.12				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Add contractor's profit @ 10% i.e. on Rs. 4707.75				470.78				
		Add Labour cess @ 1% i.e. on Rs. 5178.53				51.79				
		Material cost for	1	Each		5230.32	5230.32			5230.32
II		Labour:								
i		Cement Concrete 1:6:12 with stone ballast in foundation and plinth (Rate as per CSR item 10.10) 1x1.98x0.84x0.15 = 0.25Cum		Cum	0.250	261.25	65.31			
ii		First Class brick work laid in cement sand mortar 1:5 in foundation and plinth (Rate as per CSR item 11.5) Below Ground Level Long wall 2x1.83x0.23x1.07 = 0.90 Short Wall 2x0.23x0.23x1.07 = 0.11 Above Ground Level Long wall 2x1.83x0.23x0.72 = 0.61 2x1.83x0.19x0.11 = 0.08 Short wall 2x0.23x0.23x0.72 = 0.08 2x0.23x0.23x0.11 = 0.01 Total = 1.79 Cum Deduction Opening and perforation R.C.C jali 1x0.46x0.23x0.38 = 0.04 R.C.C Beam below jali 1x0.46x0.11x0.11 = 0.01 R.C.C Beam over jali 1x0.53x0.11x0.11 = 0.01 Total = 0.06 Cum Net 1.79 - 0.06 = 1.73 Cum		Cum	1.730	283.76	490.90			
iii		Reinforced cement concrete M-20 1x1.524x0.305x0.114 = 0.053 Cum 1x0.46x0.11x0.115 = 0.006 Cum 1x0.53x0.11x0.115 = 0.006 Cum Total = 0.065 Cum Rate as per CSR item no. 10.15		Cum.	0.065	734.64	47.75			
iv		Mild steel reinforcement for slab : 0.065 cum @ 80 kg/cum = 5.20 kg or 0.052 Qtl. Rate as per CSR item no. 18.18		Qtl.	0.0520	289.03	15.03			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
v		Form work = 1x1.524x0.305 = 0.465 Sqm Rate as per CSR item no 9.1	Sqm	0.465	93.69	43.57				
vi		12.50mm thick cement plaster 1:2 (Rate as per CSR item 15.7) Outside the walls (front) = 1x1.60x0.38 = 0.61 Sqm Inside long walls = 2x1.37x1.91 = 5.23 Sqm Short wall = 2x0.23x1.91 = 0.88 Sqm Total = 6.72 Sqm Deduction Perforated Slab = 1x0.46x0.38 = 0.17 Sqm Net 6.72 - 0.17 = 6.55 Sqm	Sqm	6.550	35.74	234.10				
vii		Cement rendering on plaster 1mm thick (Qty same as above) (Rate as per CSR item 15.41)	Sqm	6.550	15.93	104.34				
viii		Cement pointing 1:2 weathered and struck top portion (Rate same as per CSR item 15.51) Long walls = 2x1.83x0.19 = 0.70 Sqm Short wall = 2x0.30x0.15 = 0.09 Sqm Outside long wall = 2x1.83x0.84 = 3.07 Sqm Short wall = 2x0.69x0.84 = 1.16 Sqm Total = 5.02 Sqm Deduction Long wall performed slab portion 1x1.60x0.38 = 0.61 Sqm 1x0.46x0.38 = 0.17 Sqm 1x0.46x0.115 = 0.05 Sqm 2x0.53x0.115 = 0.12 Sqm Total = 0.95 Sqm Net 5.02 - 0.95 = 4.07 Sqm	Sqm	4.070	36.51	148.60				
ix		Reinforced cement concrete precast jali of 1:2:4 in ventilator fixed to the masonry work etc complete. Perforated R.C.C Slab of size 0.46 x 0.38	Each	1.000	150.00	150.00				
		Total - II				1299.60				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 1299.6				38.99				
		Add contractor's profit @ 21.50% i.e. on Rs. 1338.59				287.80				
		Add Labour cess @ 1% i.e. on Rs. 1626.39				16.26				
						1642.65				
		Labour for	1	Each		1642.65	1642.65			1642.65
		Cost for	1	Each			6872.97			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Add 10% for sub mountainous region										164.27
		Labour for	1	Each								1806.92
		Cost for	1	Each								7037.24

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.92		Constructing brick masonry road gully chambers as per standard drawings (as per sizes given below) including dressing of beds and sides of chambers to exact profiles, 15cm thick lime concrete 16:24:100 (as per specified in item No. 10.3) in foundation, first class brick work laid in cement sand mortar 1:5, 40mm thick cement concrete 1:2:4 topping inside the chamber with a floating coat of 1.5mm thick neat cement laid in one operation to the topping, the entire inner surface of the chamber rendered with neat cement not less than 12.50mm in thickness of 1:2 cement sand plaster and finished with a floating coat of neat cement 1mm thick left absolutely smooth polished and correct to templates including labour for fixing the C.I. road gully grating and frame including paint with coal tar (as specified in item No. 29.74) complete and to the requirement of the Engineer-In-Charge.								
A		Single Road Gully chamber								
a		Size 610mm x 457mm x 800mm								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material:								
i		Cement Concrete 1:6:12 with stone ballast (Rate as per CSR item 10.10) 1x24x1.09x0.15 = 0.20 Cum								
			Cum	0.200	997.61	199.52				
ii		First class brick work laid in cement sand mortar 1:5 in foundation and plinths. Rate same as per CSR item 11.5) Long wall 2x1.09x0.23x0.69 = 0.35 Cross wall 2x0.48x0.23x0.84 = 0.19 Long wall 1st step 2x1.09x0.27x0.08 = 0.05 2nd Step 2x1.09x0.30x0.08 = 0.05 Total = 0.64 Cum								
			Cum	0.640	1920.54	1229.15				
iii		Conglomerate floor 40mm thick cement concrete topping 1:2:4 (Rate as per CSR item 14.4) Bed 1x0.635x0.483 = 0.307 Sqm								
			Sqm	0.307	97.18	29.83				
iv		Floating of 1.5mm of neat cement lain in one operation to the topping (Qty same as above) (Rate as per CSR item 14.2)								
			Sqm	0.307	11.80	3.62				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
v		12.50mm thick cement plaster 1:2 (Rate as per CSR item 15.7) Long wall 2x0.61x0.80 = 0.98 Cross wall 2x0.46x0.66 = 0.60 2x0.38x0.08 = 0.03 2x0.30x0.08 = 0.05 Under step portion 4x0.61x0.04 = 0.10 Total = 1.79 Sqm	Sqm	1.790	55.26	98.92				
vi		Cement rendering on plaster 1mm thick (Qty same as above) (Rate as per CSR item 15.41)	Sqm	1.790	7.87	14.09				
vii		Fixing of C.I road gully grating and frame complete including carriage from stores of the Engineer-in-charge of the works loading fixing and erecting the same in position to correct lines and levels in 1:2 cement sand mortar and painting of grating and frame with coaltar (Rate same as per CSR item 29.74 Total - I)	Each	1.000	800.00	800.00				
		Total - I				2375.13				
		Sundries @ 3% i.e. on Rs. 2375.13				71.25				
		Add contractor's profit @ 10% i.e. on Rs. 2446.38				244.64				
		Add Labour cess @ 1% i.e. on Rs. 2691.02				26.91				
		Material cost for	1	Each		2717.93	2717.93			2717.93
II		Labour:								
i		Cement Concrete 1:6:12 with stone ballast (Rate as per CSR item 10.10) 1x24x1.09x0.15 = 0.20 Cum	Cum	0.200	261.25	52.25				
ii		First class brick work laid in cement sand mortar 1:5 in foundation and plinths. Rate same as per CSR item 11.5) Long wall 2x1.09x0.23x0.69 = 0.35 Cross wall 2x0.48x0.23x0.84 = 0.19 Long wall 1st step 2x1.09x0.27x0.08 = 0.05 2nd Step 2x1.09x0.30x0.08 = 0.05 Total = 0.64 Cum	Cum	0.640	283.76	181.61				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iii		Conglomerate floor 40mm thick cement concrete topping 1:2:4 (Rate as per CSR item 14.4) Bed 1x0.635x0.483 = 0.307 Sqm			Sqm	0.307	21.12	6.48				
iv		Floating of 1.5mm of neat cement lain in one operation to the topping (Qty same as above) (Rate as per CSR item 14.2)			Sqm	0.307	4.14	1.27				
v		12.50mm thick cement plaster 1:2 (Rate as per CSR item 15.7) Long wall 2x0.61x0.80 = 0.98 Cross wall 2x0.46x0.66 = 0.60 2x0.38x0.08 = 0.03 2x0.30x0.08 = 0.05 Under step portion 4x0.61x0.04 = 0.10 Total = 1.79 Sqm			Sqm	1.790	35.74	63.97				
vi		Cement rendering on plaster 1mm thick (Qty same as above) (Rate as per CSR item 15.41)			Sqm	1.790	15.93	28.51				
vii		Fixing of C.I road gully grating and frame complete including carriage from stores of the Engineer-in-charge of the works loading fixing and erecting the same in position to correct lines and levels in 1:2 cement sand mortar and painting of grating and frame with coaltar (Rate same as per CSR item 29.74 Total - II)			Each	1.000	113.93	113.93				
		Total - II						448.02				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 448.02						13.44				
		Add contractor's profit @ 21.50% i.e. on Rs. 461.46						99.21				
		Add Labour cess @ 1% i.e. on Rs. 560.67						5.61				
								566.28				
		Labour for	1	Each				566.28	566.28			566.28
		Cost for	1	Each					3284.21			
		Add 10% for sub mountainous region										56.63
		Labour for	1	Each								622.91
		Cost for	1	Each								3340.84

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		Size 610mm x 457mm x 1105mm								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material:								
i		Cost of single raod gully chamber of size 610mm x 457mm x 800mm above Total - I				2375.13				
ii		Extra for first class brick work laid in cement mortar 1:5 in foundation and plinth (Rate as per CSR item 11.5) Long wall 2x1.09x0.23x0.30 = 0.15 Cross wall 2x0.48x0.23x0.030 = 0.06 Total = 0.21 Cum								
			Cum	0.210	1920.54	403.31				
iii		Extra for 12.50mm thick cement plaster 1:2 (Rate as per CSR item 15.7) Long wall 2x0.61x0.30 = 0.37 Cross wall 2x0.46x0.30 = 0.28 Total = 0.65 Sqm								
			Sqm	0.650	55.26	35.92				
iv		Extra for cement rendering on plaster 1mm thick (as per item No 3 above) (Rate as per CSR item 15.41) Total - I								
			Sqm	0.650	7.87	5.12				
						2819.48				
		Sundries @ 3% i.e. on Rs. 2819.48				84.58				
		Add contractor's profit @ 10% i.e. on Rs. 2904.06				290.41				
		Add Labour cess @ 1% i.e. on Rs. 3194.47				31.94				
		Material cost for	1	Each		3226.41	3226.41			3226.41
II		Labour:								
i		Cost of single raod gully chamber of size 610mm x 457mm x 800mm above Total - II				448.02				
ii		Extra for first class brick work laid in cement mortar 1:5 in foundation and plinth (Rate as per CSR item 11.5) Long wall 2x1.09x0.23x0.30 = 0.15 Cross wall 2x0.48x0.23x0.030 = 0.06 Total = 0.21 Cum								
			Cum	0.210	283.76	59.59				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		Extra for 12.50mm thick cement plaster 1:2 (Rate as per CSR item 15.7) Long wall 2x0.61x0.30 = 0.37 Cross wall 2x0.46x0.30 = 0.28 Total = 0.65 Sqm								
			Sqm	0.650	35.74	23.23				
iv		Extra for cement rendering on plaster 1mm thick (as per item No 3 above) (Rate as per CSR item 15.41)	Sqm	0.650	15.93	10.35				
		Total - II				541.19				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 541.19				16.24				
		Add contractor's profit @ 21.50% i.e. on Rs. 557.43				119.85				
		Add Labour cess @ 1% i.e. on Rs. 677.28				6.77				
						684.05				
		Labour for	1	Each		684.05	684.05			684.05
		Cost for	1	Each			3910.46			
		Add 10% for sub mountainous region								68.41
		Labour for	1	Each						752.46
		Cost for	1	Each						3978.87

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
B		Double Road Gully Chamber										
a		Size 1448mm x 457mm x 800mm										
		Unit :-	1	Each								
		Taking Output :-	1	Each								
I		Material:										
i		Cement Concrete 1:6:12 with stone ballast (Rate as per CSR item 10.10) 1x2.08x1.09x0.15 = 0.34Cum			Cum	0.340	997.61	339.19				
ii		First class brick work laid in cement sand mortar 1:5 in foundation and plinths. Rate same as per CSR item 11.5) long wall 2x1.93x0.23x0.69 = 0.61 Cross wall 2x0.48x0.23x0.84 = 0.19 Long wall First Step 2x1.93x0.27x0.08 = 0.08 Second step 2x1.93x0.30x0.08 = 0.09 Total = 0.97 Deduction Bearing of lintel 2x0.15x0.23x0.15 = 0.01 Net 0.97 - 0.01 = 0.96 Cum			Cum	0.960	1920.54	1843.72				
iii		Reinforced cement concrete M-20 Beam : 1x0.79x0.23x0.15 = 0.027 Cum Rate as per CSR item no. 10.15			Cum.	0.0270	2485.08	67.10				
iv		Mild steel reinforcement for slab : 0.027 cum @ 80 kg/cum = 2.16 kg or 0.0216 Qtl. Rate as per CSR item no. 18.18			Qtl.	0.0216	4312.78	93.16				
v		Conglomerate floor 40mm thick cement concrete topping 1:2:4 (Rate as per CSR item 14.4) Bed 1x1.473x0.483 = 0.711 Sqm			Sqm	0.711	97.18	69.09				
vi		Floating of 1.5mm of neat cement lain in one operation to the topping (Qty same as above) (Rate as per CSR item 14.2)			Sqm	0.711	11.80	8.39				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
vii		12.50mm thick cement plaster 1:2 (Rate as per CSR item 15.7) Long wall 2x1.45x0.80 = 2.32 Cross wall 2x0.46x0.65 = 0.60 2x0.38x0.08 = 0.06 2x0.30x0.08 = 0.05 Under step of long wall 4x1.45x0.04 = 0.23 Total = 3.26 Deduct Bearing of Lintel 2x0.23x0.15 = 0.07 Net 3.26 - 0.07 = 3.19 Sqm	Sqm	3.190	55.26	176.28				
viii		Cement rendering on plaster 1mm thick (Qty same as above) (Rate as per CSR item 15.41)	Sqm	3.190	7.87	25.11				
ix		Fixing of C.I road gully grating and frame complete including carriage from stores of the Engineer-in-charge of the works loading fixing and erecting the same in position to correct lines and levels in 1:2 cement sand mortar and painting of grating and frame with coaltar (Rate same as per CSR item 29.74 Total - I)	Each	2.000	800.00	1600.00				
		Total - I				4222.04				
		Sundries @ 3% i.e. on Rs. 4222.04				126.66				
		Add contractor's profit @ 10% i.e. on Rs. 4348.7				434.87				
		Add Labour cess @ 1% i.e. on Rs. 4783.57				47.84				
		Material cost for	1	Each		4831.41	4831.41			4831.41
II		Labour:								
i		Cement Concrete 1:6:12 with stone ballast (Rate as per CSR item 10.10) 1x2.08x1.09x0.15 = 0.34Cum	Cum	0.340	261.25	88.83				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
ii		First class brick work laid in cement sand mortar 1:5 in foundation and plinths. Rate same as per CSR item 11.5) long wall 2x1.93x0.23x0.69 = 0.61 Cross wall 2x0.48x0.23x0.84 = 0.19 Long wall First Step 2x1.93x0.27x0.08 = 0.08 Second step 2x1.93x0.30x0.08 = 0.09 Total = 0.97 Deduction Bearing of lintel 2x0.15x0.23x0.15 = 0.01 Net 0.97 - 0.01 = 0.96 Cum	Cum	0.960	283.76	272.41				
iii		Reinforced cement concrete M-20 Beam : 1x0.79x0.23x0.15 = 0.027 Cum Rate as per CSR item no. 10.15	Cum.	0.0270	734.64	19.84				
iv		Mild steel reinforcement for slab : 0.027 cum @ 80 kg/cum = 2.16 kg or 0.0216 Qtl. Rate as per CSR item no. 18.18	Qtl.	0.0216	289.03	6.24				
v		Form work = 1x0.79x0.23 = 0.1817 Sqm Rate as per CSR item no 9.1	Sqm	0.1817	93.69	17.02				
vi		Conglomerate floor 40mm thick cement concrete topping 1:2:4 (Rate as per CSR item 14.4) Bed 1x1.473x0.483 = 0.711 Sqm	Sqm	0.711	21.12	15.02				
vii		Floating of 1.5mm of neat cement lain in one operation to the topping (Qty same as above) (Rate as per CSR item 14.2)	Sqm	0.711	4.14	2.94				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
viii		12.50mm thick cement plaster 1:2 (Rate as per CSR item 15.7) Long wall 2x1.45x0.80 = 2.32 Cross wall 2x0.46x0.65 = 0.60 2x0.38x0.08 = 0.06 2x0.30x0.08 = 0.05 Under step of long wall 4x1.45x0.04 = 0.23 Total = 3.26 Deduct Bearing of Lintel 2x0.23x0.15 = 0.07 Net 3.26 - 0.07 = 3.19 Sqm	Sqm	3.190	35.74	114.01				
ix		Cement rendering on plaster 1mm thick (Qty same as above) (Rate as per CSR item 15.41)	Sqm	3.190	15.93	50.82				
x		Fixing of C.I road gully grating and frame complete including carriage from stores of the Engineer-in-charge of the works loading fixing and erecting the same in position to correct lines and levels in 1:2 cement sand mortar and painting of grating and frame with coaltar (Rate same as per CSR item 29.74 Total - II)	Each	2.000	113.93	227.86				
		Total - II				814.99				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 814.99				24.45				
		Add contractor's profit @ 21.50% i.e. on Rs. 839.44				180.48				
		Add Labour cess @ 1% i.e. on Rs. 1019.92				10.20				
						1030.12				
		Labour for 1 Each				1030.12	1030.12			1030.12
		Cost for 1 Each					5861.53			
		Add 10% for sub mountainous region								103.01
		Labour for 1 Each								1133.13
		Cost for 1 Each								5964.54

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		Size 1448mm x 457mm x 1105mm								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material:								
i		Cost of single raod gully chamber of size 610mm x 457mm x 800mm above Total - I				4222.04				
ii		Extra for first class brick work laid in cement mortar 1:5 in foundation and plinth (Rate as per CSR item 11.5) Long walls 2x1.93x0.23x0.30 = 0.27 Cross wall 2x0.48x0.23x0.30 = 0.07 Total = 0.34 Cum								
			Cum	0.340	1920.54	652.98				
iii		Extra for 12.50mm thick cement plaster 1:2 (Rate as per CSR item 15.7) Long wall 2x1.45x0.30 = 0.87 Cross wall 2x0.46x0.30 = 0.28 Total = 1.15 Sqm								
			Sqm	1.150	55.26	63.55				
iv		Extra for cement rendering on plaster 1mm thick (as per item No 3 above) (Rate as per CSR item 15.41)								
			Sqm	1.150	7.87	9.05				
		Total - I				4947.62				
		Sundries @ 3% i.e. on Rs. 4947.62				148.43				
		Add contractor's profit @ 10% i.e. on Rs. 5096.05				509.61				
		Add Labour cess @ 1% i.e. on Rs. 5605.66				56.06				
		Material cost for	1	Each		5661.72	5661.72			5661.72
II		Labour:								
i		Cost of single raod gully chamber of size 610mm x 457mm x 800mm above Total - II				814.99				
ii		Extra for first class brick work laid in cement mortar 1:5 in foundation and plinth (Rate as per CSR item 11.5) Long walls 2x1.93x0.23x0.30 = 0.27 Cross wall 2x0.48x0.23x0.30 = 0.07 Total = 0.34 Cum								
			Cum	0.340	283.76	96.48				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		Extra for 12.50mm thick cement plaster 1:2 (Rate as per CSR item 15.7) Long wall 2x1.45x0.30 = 0.87 Cross wall 2x0.46x0.30 = 0.28 Total = 1.15 Sqm	Sqm	1.150	35.74	41.10				
iv		Extra for cement rendering on plaster 1mm thick (as per item No 3 above) (Rate as per CSR item 15.41)	Sqm	1.150	15.93	18.32				
		Total - II				970.89				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 970.89				29.13				
		Add contractor's profit @ 21.50% i.e. on Rs. 1000.02				215.00				
		Add Labour cess @ 1% i.e. on Rs. 1215.02				12.15				
						1227.17				
		Labour for	1	Each		1227.17	1227.17			1227.17
		Cost for	1	Each			6888.89			
		Add 10% for sub mountainous region								122.72
		Labour for	1	Each						1349.89
		Cost for	1	Each						7011.61

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.93		Reduction for every 7.50cm depth of road gully chamber from the rate of item No. 29.92 above :-								
(a)		Single Road Gully Chamber								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material:								
i		First Class brick work laid in cement sand mortar 1:5 in foundation and plinth (Rate as per CSR item 11.5) Long wall 2x1.09x0.23x0.075 = 0.028 Cross walls 2x0.48x0.23x0.075 = 0.015 Total = 0.053 Cum								
			Cum	0.053	1920.54	101.79				
ii		12.50mm thick cement plaster 1:2 (Rate as per CSR item 15.7) Long wall 2x0.61x0.075 = 0.093 Cross walls 2x0.46x0.075 = 0.070 Total = 0.163 Sqm								
			Sqm	0.163	55.26	9.01				
iii		Cement rendering on plaster 1mm thick (Qty same as above) (Rate as per CSR item 15.41)								
		Total - I	Sqm	0.163	7.87	1.28				
		Sundries @ 3% i.e. on Rs. 112.08				112.08				
		Add contractor's profit @ 10% i.e. on Rs. 115.44				3.36				
		Add Labour cess @ 1% i.e. on Rs. 126.98				11.54				
						1.27				
		Material cost for	1	Each		128.25	128.25			128.25
II		Labour:								
i		First Class brick work laid in cement sand mortar 1:5 in foundation and plinth (Rate as per CSR item 11.5) Long wall 2x1.09x0.23x0.075 = 0.028 Cross walls 2x0.48x0.23x0.075 = 0.015 Total = 0.053 Cum								
			Cum	0.053	283.76	15.04				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
ii		12.50mm thick cement plaster 1:2 (Rate as per CSR item 15.7) Long wall 2x0.61x0.075 = 0.093 Cross walls 2x0.46x0.075 = 0.070 Total = 0.163 Sqm	Sqm	0.163	35.74	5.83				
iii		Cement rendering on plaster 1mm thick (Qty same as above) (Rate as per CSR item 15.41)	Sqm	0.163	15.93	2.60				
		Total - II				23.47				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 23.47				0.70				
		Add contractor's profit @ 21.50% i.e. on Rs. 24.17				5.20				
		Add Labour cess @ 1% i.e. on Rs. 29.37				0.29				
						29.66				
		Labour for	1	Each		29.66	29.66			29.66
		Cost for	1	Each			157.91			
		Add 10% for sub mountainous region								2.97
		Labour for	1	Each						32.63
		Cost for	1	Each						160.88

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
(b)		Double Road Gully Chamber								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material:								
i		First class Brick work in cement sand mortar 1:5 in foundation and plinth Long wall (Rate as per CSR item 11.5) 2x1.93x0.23x0.075 = 0.068 Cross wall 2x0.48x0.23x0.075 = 0.018 Total = 0.086 Cum								
			Cum	0.086	1920.54	165.17				
ii		12.50mm thick cement plaster 1:2 (Rate as per CSR item 15.7) Long wall 2x1.45x0.75 = 0.22 Cross wall 2x0.46x0.075 = 0.07 Total = 0.29 Sqm								
			Sqm	0.290	55.26	16.03				
iii		Cement rendering on plaster 1mm thick (Qty same as above) (Rate as per CSR item 15.41)								
			Sqm	0.290	7.87	2.28				
		Total - I				183.48				
		Sundries @ 3% i.e. on Rs. 183.48				5.50				
		Add contractor's profit @ 10% i.e. on Rs. 188.98				18.90				
		Add Labour cess @ 1% i.e. on Rs. 207.88				2.08				
		Material cost for	1	Each		209.96	209.96			209.96
II		Labour:								
i		First class Brick work in cement sand mortar 1:5 in foundation and plinth Long wall (Rate as per CSR item 11.5) 2x1.93x0.23x0.075 = 0.068 Cross wall 2x0.48x0.23x0.075 = 0.018 Total = 0.086 Cum								
			Cum	0.086	283.76	24.40				
ii		12.50mm thick cement plaster 1:2 (Rate as per CSR item 15.7) Long wall 2x1.45x0.75 = 0.22 Cross wall 2x0.46x0.075 = 0.07 Total = 0.29 Sqm								
			Sqm	0.290	35.74	10.36				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
iii		Cement rendering on plaster 1mm thick (Qty same as above) (Rate as per CSR item 15.41)			Sqm	0.290	15.93	4.62				
		Total - II						39.38				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 39.38						1.18				
		Add contractor's profit @ 21.50% i.e. on Rs. 40.56						8.72				
		Add Labour cess @ 1% i.e. on Rs. 49.28						0.49				
								49.77				
		Labour for	1	Each				49.77	49.77			49.77
		Cost for	1	Each					259.73			
		Add 10% for sub mountainous region										4.98
		Labour for	1	Each								54.75
		Cost for	1	Each								264.71

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:2 (1 cement : 2 coarse sand) finished with a floating coat of neat cement and making necessary channels for the drain etc. complete.								
29.94	19.21									
a	19.21.1	For pipes 100 to 250 mm Diametre								
		Unit :-	1	Connection						
		Taking Output :-	1	Connection						
I		Material								
i		Cement concrete 1:2:4 mix (1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) = 0.30x0.30x0.23 m = 0.0207 cum Less pipe = 1/2x3.14x0.23x0.23x0.23 = 0.0096 cum = 0.0111 cum Say 0.10 cum								
		(Rate as per CSR item 10.11)		Cum.	0.010	1683.63	16.84			
ii		12 mm cement plaster 1:2 (1 cement: 2 coarse sand) finished with a floating coat of neat cement 2x0.35x0.35=0.25								
		(Rate as per CSR item 15.8)		Sqm.	0.250	45.17	11.29			
		Total - I					28.13			
		Sundries @ 3% i.e. on Rs. 28.13					0.84			
		Add contractor's profit @ 10% i.e. on Rs. 28.97					2.90			
		Add Labour cess @ 1% i.e. on Rs. 31.87					0.32			
		Material cost for	1.00	Connection			32.19			
		Material cost for	1.00	Connection			32.19	32.19		32.19
II		Labour								
		Taking output	1	Connection						
		(For cutting holes average size 30x30 cm in 23 cm thick wall and making channel etc.)								
i		Mason 1st Class		Each	0.120	223.36	26.80			
ii		Mason 2nd Class		Each	0.120	190.00	22.80			
iii		Mazdoor (Skilled - Upper)		Each	0.250	164.69	41.17			
		Total - II					90.77			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 90.77				2.72				
		Add contractor's profit @ 21.50% i.e. on Rs. 93.49				20.10				
		Add Labour cess @ 1% i.e. on Rs. 113.59				1.14				
		Labour for 1 Connection				114.73				
		Labour for 1 Connection				114.73	114.73			114.73
		Cost for 1 Connection					146.92			
		Add 10% for sub mountainous region								11.47
		Labour for 1 Connection								126.20
		Cost for 1 Connection								158.39

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b	19.21.1	For pipes 300 to 450 mm Diametre								
		Unit :-	1	Connection						
		Taking Output :-	1	Connection						
I		Material								
i		Cement concrete 1:2:4 mix (1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) = 0.35x0.35x0.30 m = 0.037 cum Less pipe = 1/2x3.14x0.30x0.30x0.30 = 0.021 cum = 0.016 cum Say 0.02 cum								
		(Rate as per CSR item 10.11)		Cum.	0.020	1683.63	33.67			
ii		12 mm cement plater 1:2 (1 cement: 2coarse sand) finished with a floating coat of neat cement 2x0.40x0.40 =0.32 Sqm								
		(Rate as per CSR item 15.8)		Sqm.	0.320	45.17	14.45			
		Total - I					48.12			
		Sundries @ 3% i.e. on Rs. 48.12					1.44			
		Add contractor's profit @ 10% i.e. on Rs. 49.56					4.96			
		Add Labour cess @ 1% i.e. on Rs. 54.52					0.55			
		Material cost for	1.00	Connection			55.07			
		Material cost for	1.00	Connection			55.07	55.07		55.07
II		Labour								
		Taking output	1	Connection						
		(For cutting holes average size 30x30 cm in 23 cm thick wall and making channel etc.)								
i		Mason 1st Class		Each	0.160	223.36	35.74			
ii		Mason 2nd Class		Each	0.160	190.00	30.40			
iii		Mazdoor (Skilled - Upper)		Each	0.330	164.69	54.35			
		Total - II					120.49			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 120.49					3.61			
		Add contractor's profit @ 21.50% i.e. on Rs. 124.1					26.68			
		Add Labour cess @ 1% i.e. on Rs. 150.78					1.51			
		Labour for	1	Connection			152.29			
		Labour for	1	Connection			152.29	152.29		152.29
		Cost for	1	Connection			207.36			

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Add 10% for sub mountainous region										15.23
		Labour for	1	Connection								167.52
		Cost for	1	Connection								222.59

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.95		Making connection of sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement and making necessary channels for the drain etc. complete.								
a		For pipes 760 mm Diametre								
		Unit :-	1	Connection						
		Taking Output :-	1	Connection						
I		Material								
i		RCC M-25 for construction of new sewer (Rate as per CSR item 10.15 Total - I)		Cum.	0.278	2747.35	763.76			
ii		BB 1:2 for construction of new sewer (Rate as per CSR item 11.11 Total - I)		Cum.	0.198	2445.08	484.13			
iii		Cement Plaster 1:2 with rendering for construction of new sewer (Rate as per CSR item 15.7 + 15.41 Total - I)		Sqm.	1.480	63.13	93.43			
iv		Cement concrete 1:2:4 for gola outside the manhole (rate as per CSR 10.11 Total - I)		Cum.	0.115	1683.63	193.62			
		Total - I					1534.94			
		Sundries @ 3% i.e. on Rs. 1534.94					46.05			
		Add contractor's profit @ 10% i.e. on Rs. 1580.99					158.10			
		Add Labour cess @ 1% i.e. on Rs. 1739.09					17.39			
							1756.48			
		Material cost for	1	Connection			1756.48	1756.48		1756.48
II		Labour								
		Taking output	1	Connection						
i		Dismantling of brick masonry (Rate as per CSR item 8.5 (b))		Cum.	0.58	196.83	114.16			
ii		Dismantling of RCC work (Rate as per CSR item 8.6(e))		Cum.	0.16	635.61	101.70			
iii		RCC M-25 for construction of new sewer (Rate as per CSR item 10.15 Total - II)		Cum.	0.278	734.64	204.23			
iv		BB 1:2 for construction of new sewer (Rate as per CSR item 11.11 Total - II)		Cum.	0.198	425.47	84.24			
v		Cement Plaster 1:2 with rendering for construction of new sewer (Rate as per CSR item 15.7 + 15.41 Total - II)		Sqm.	1.480	51.67	76.47			
vi		Cement concrete 1:2:4 for gola outside the manhole (rate as per CSR 10.11 Total - II)		Cum.	0.115	261.25	30.04			

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
vii		Dewatering / desilting of existing 3 Nos. Manholes								
a		Gunny bags filled with earth	Bag	80.00	10.00	800.00				
b		Rent for 12.5 BHP diesel pump set for dewatering for 2 days	Per day	2.00	500.00	1000.00				
viii		Labour for desilting								
a		Sewerman	Each	8.00	160.96	1287.68				
		Total - II				3698.52				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 3698.52				110.96				
		Add contractor's profit @ 21.50% i.e. on Rs. 3809.48				819.04				
		Add Labour cess @ 1% i.e. on Rs. 4628.52				46.29				
						4674.81				
		Labour for	1	Connection		4674.81	4674.81			4674.81
		Cost for	1	Connection			6431.29			
		Add 10% for sub mountainous region								467.48
		Labour for	1	Connection						5142.29
		Cost for	1	Connection						6898.77

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Dismantling of manhole including R.C.C. top slab, C.I. cover with frame including stacking of useful materials near the site including disposal of unserviceable material within 100 m. as desired by Engineer-in-charge.								
29.96	19.24									
a	19.24.1	Rectangular manhole 75x120 cm and 45 cm deep								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Labour								
i		Details of cost of a manhole 75*120 and 45cm deep Dismantling of cement concrete 1:4:8 (1 cement: 4 coarse sand 8 : aggregate stone 40 mm nominal size) 1.81*1.36*0.20=0.492 cum Say 0.49 Cum.								
		(Rate as per CSR item 8.6 (b))			Cum.	0.490	196.83	96.45		
ii		Dismantling of second class brick work in Cement mortar 1:4 (1cement : 4 coarse sand) 2(.98+1.430)*0.23*0.45 = 0.500 cum								
		(Rate as per CSR item 8.5 (b))			Cum.	0.500	196.83	98.42		
iii		Dismantling cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) 2*1.20*(0.90/2)*(0.30+0.20)/2 = 0.270 cum Less for pipe 1*1.20*3.142/4*0.15*0.15 = (-) 0.020 cum = 0.250 cum (Rate as per CSR item 8.6 (d))			Cum.	0.250	393.67	98.42		
iv		Dismantling of R.C.C slab of 1:2:4 (1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) For slab: 1.21*1.66*0.20 = 0.401 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.346 cum (Rate as per CSR item 8.6 (e))			Cum.	0.346	635.61	219.92		
		Total - I					513.21			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 513.21					15.40			
		Add contractor's profit @ 21.50% i.e. on Rs. 528.61					113.65			
		Add Labour cess @ 1% i.e. on Rs. 642.26					6.42			
							648.68			
		Labour for:	1.00	Each			648.68	648.68		648.68

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b	19.24.1	Rectangular manhole 90x150 cm and 45 cm deep								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Labour								
i		Details of cost of a manhole 75*120 and 45cm deep Dismantling of cement concrete 1:4:8 (1 cement: 4 coarse sand : aggregate stone 40 mm nominal size) $1.51 \times 2.51 \times 0.20 = 0.758$ cum Say 0.76 Cum.								
		(Rate as per CSR item 8.6 (b))		Cum.	0.760	196.83	149.59			
ii		Dismantling of second class brick work in Cement mortar 1:4 (1cement : 4 coarse sand) $2(1.130+1.730) \times 0.23 \times 0.45 = 0.590$ cum								
		(Rate as per CSR item 8.5 (b))		Cum.	0.590	196.83	116.13			
iii		Dismantling cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) $2 \times 1.50 \times (0.90/2) \times (0.30+0.20)/2 = 0.340$ cum Less for pipe $1 \times 1.50 \times 3.142/4 \times 0.15 \times 0.15 = (-) 0.030$ cum = 0.310 cum								
		(Rate as per CSR item 8.6 (d))		Cum.	0.310	393.67	122.04			
iv		Dismantling of R.C.C slab of 1:2:4 (1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) For slab: $1.96 \times 1.36 \times 0.20 = 0.530$ Cum Less for cover $0.61 \times 0.455 \times 0.20 \text{m} = (-) 0.055$ Cum = 0.475 cum								
		(Rate as per CSR item 8.6 (e))		Cum.	0.475	635.61	301.91			
		Total - I					689.67			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 689.67					20.69			
		Add contractor's profit @ 21.50% i.e. on Rs. 710.36					152.73			
		Add Labour cess @ 1% i.e. on Rs. 863.09					8.63			
							871.72			
		Labour for:	1.00	Each			871.72	871.72		871.72

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c	19.24.1	Rectangular manhole 120x180 cm and 45 cm deep								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Labour								
i		Details of cost of a manhole 75*120 and 45cm deep Dismantling of cement concrete 1:4:8 (1 cement: 4 coarse sand 8 : aggregate stone 40 mm nominal size) $1.81 \times 2.41 \times 0.20 = 0.872$ cum Say 0.87 Cum.								
		(Rate as per CSR item 8.6 (b))		Cum.	0.870	196.83	171.24			
ii		Dismantling of second class brick work in Cement mortar 1:4 (1cement : 4 coarse sand) $2(1.430+2.03) \times 0.23 \times 0.45 = 0.720$ cum								
		(Rate as per CSR item 8.5 (b))		Cum.	0.720	196.83	141.72			
iii		Dismantling cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) $2 \times 1.80 \times (0.90/2) \times (0.30+0.20)/2 = 0.405$ cum Less for pipe $1 \times 1.80 \times 3.142/4 \times 0.15 \times 0.15 = (-) 0.032$ cum = 0.373 cum								
		(Rate as per CSR item 8.6 (d))		Cum.	0.373	393.67	146.84			
iv		Dismantling of R.C.C slab of 1:2:4 (1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) For slab: $2.26 \times 1.66 \times 0.20 = 0.75$ Cum Less for cover $0.61 \times 0.455 \times 0.20 \text{m} = (-) 0.055$ Cum = 0.695 cum								
		(Rate as per CSR item 8.6 (e))		Cum.	0.695	635.61	441.75			
		Total - I					901.55			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 901.55					27.05			
		Add contractor's profit @ 21.50% i.e. on Rs. 928.6					199.65			
		Add Labour cess @ 1% i.e. on Rs. 1128.25					11.28			
							1139.53			
		Labour for:	1.00	Each			1139.53	1139.53		1139.53

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d	19.24.1	Rectangular manhole 150x180 cm and 45 cm deep								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Labour								
i		Details of cost of a manhole 75*120 and 45cm deep Dismantling of cement concrete 1:4:8 (1 cement: 4 coarse sand 8 : aggregate stone 40 mm nominal size) $2.11*2.41*0.20 = 1.017$ cum Say 1.02 Cum.								
		(Rate as per CSR item 8.6 (b))		Cum.	1.020	196.83	200.77			
ii		Dismantling of second class brick work in Cement mortar 1:4 (1cement : 4 coarse sand) $2(1.730+2.03)*0.23*0.45 = 0.780$ cum								
		(Rate as per CSR item 8.5 (b))		Cum.	0.780	196.83	153.53			
iii		Dismantling cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) $2*1.80*(0.90/2)*(0.30+0.20)/2 = 0.405$ cum Less for pipe $1*1.80*3.142/4*0.15*0.15 = (-) 0.032$ cum = 0.373 cum								
		(Rate as per CSR item 8.6 (d))		Cum.	0.373	393.67	146.84			
iv		Dismantling of R.C.C slab of 1:2:4 (1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) For slab: $1.96*2.26*0.20 = 0.886$ Cum Less for cover $0.61*0.455*0.20m = (-) 0.055$ Cum = 0.831 cum								
		(Rate as per CSR item 8.6 (e))		Cum.	0.831	635.61	528.19			
		Total - I					1029.33			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 1029.33					30.88			
		Add contractor's profit @ 21.50% i.e. on Rs. 1060.21					227.95			
		Add Labour cess @ 1% i.e. on Rs. 1288.16					12.88			
							1301.04			
		Labour for:	1.00	Each			1301.04	1301.04		1301.04

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
Extra for depth of manholes dismantled for additional depth of 0.300 m. including disposal of dismantled material within 100 m. as desired by Engineer-in-charge.										
29.97	19.25									
a	19.24.1	Rectangular manhole 75x120 cm								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Labour								
i		Dismantling of second class brick work in Cement mortar 1:4 (1cement : 4 coarse sand) 2(.98+1.430)*0.23*0.30 = 0.330 cum								
		(Rate as per CSR item 8.5 (b))			Cum.	0.330	196.83	64.95		
		Total - I						64.95		
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 64.95						1.95		
		Add contractor's profit @ 21.50% i.e. on Rs. 66.9						14.38		
		Add Labour cess @ 1% i.e. on Rs. 81.28						0.81		
								82.09		
		Labour for:	1.00	Each				82.09	82.09	82.09

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b	19.24.1	Rectangular manhole 90x150 cm								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Labour								
i		Dismantling of second class brick work in Cement mortar 1:4 (1cement : 4 coarse sand) 2(1.130+1.730)*0.23*0.30 = 0.390 cum								
		(Rate as per CSR item 8.5 (b))								
			Cum.	0.390	196.83	76.76				
		Total - I				76.76				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 76.76				2.30				
		Add contractor's profit @ 21.50% i.e. on Rs. 79.06				17.00				
		Add Labour cess @ 1% i.e. on Rs. 96.06				0.96				
						97.02				
		Labour for:	1.00	Each		97.02	97.02			97.02

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c	19.24.1	Rectangular manhole 120x180 cm								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Labour								
i		Dismantling of second class brick work in Cement mortar 1:4 (1cement : 4 coarse sand) 2(1.430+2.03)*0.23*0.30 = 0.480 cum								
		(Rate as per CSR item 8.5 (b))								
			Cum.	0.480	196.83	94.48				
		Total - I				94.48				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 94.48				2.83				
		Add contractor's profit @ 21.50% i.e. on Rs. 97.31				20.92				
		Add Labour cess @ 1% i.e. on Rs. 118.23				1.18				
						119.41				
		Labour for:	1.00	Each		119.41	119.41			119.41

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d	19.24.1	Rectangular manhole 150x180 cm								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Labour								
i		Dismantling of second class brick work in Cement mortar 1:4 (1cement : 4 coarse sand) 2(1.730+2.03)*0.23*0.30 = 0.520 cum								
		(Rate as per CSR item 8.5 (b))			Cum.	0.520	196.83	102.35		
		Total - I					102.35			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 102.35					3.07			
		Add contractor's profit @ 21.50% i.e. on Rs. 105.42					22.67			
		Add Labour cess @ 1% i.e. on Rs. 128.09					1.28			
							129.37			
		Labour for:	1.00	Each			129.37	129.37		129.37

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Raising manhole cover and frame slab to required level including dismantling existing slab and making good the damage as required including disposal of dismantled material within 100 m. as desired by Engineer-in-charge (Raising depth of manhole to be paid separately).								
29.98	19.26									
a	19.7.1	Inside size 75x120 cm								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		Reinforced cement concrete M-20 For slab: 1.21*1.66*0.20 = 0.401 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.346 cum Rate as per CSR item no. 10.15								
					Cum.	0.346	2485.08	859.84		
ii		Mild steel reinforcement for slab : 0.346 cum @ 80 kg/cum = 27.68 kg or 0.28 Qtl. Rate as per CSR item no. 18.18								
					Qtl.	0.280	4312.78	1207.58		
		Total - I						2067.42		
		Sundries @ 3% i.e. on Rs. 2067.42						62.02		
		Add contractor's profit @ 10% i.e. on Rs. 2129.44						212.94		
		Add Labour cess @ 1% i.e. on Rs. 2342.38						23.42		
		Material cost for	1.00	Each				2365.80	2365.80	2365.80
II		Labour								
		Taking output	1	Each						
i		Reinforced cement concrete M-20 For slab: 1.21*1.66*0.20 = 0.401 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.346 cum Rate as per CSR item no. 10.15								
					Cum.	0.346	734.64	254.19		
ii		Mild steel reinforcement for slab : 0.346 cum @ 80 kg/cum = 27.68 kg or 0.28 Qtl. Rate as per CSR item no. 18.18								
					Qtl.	0.280	289.03	80.93		
iii		Form work = 0.75x1.20 = 0.90 sqm Rate as per CSR item no 9.1								
					Sqm	0.9	93.69	84.32		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iv		Dismantling of R.C.C slab of 1:2:4 (1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) For slab: 1.21*1.66*0.20 = 0.401 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.346 cum								
		(Rate as per CSR item 8.6 (e))								
		Extra labour for Removing of manhole cover								
i		Mason 1st Class	Each	0.060	223.36	13.40				
ii		Mason 2nd Class	Each	0.060	190.00	11.40				
		Total - II				664.16				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 664.16				19.92				
		Add contractor's profit @ 21.50% i.e. on Rs. 684.08				147.08				
		Add Labour cess @ 1% i.e. on Rs. 831.16				8.31				
						839.47				
		Labour for	1	Each		839.47	839.47			839.47
		Cost for	1	Each			3205.27			
		Add 10% for sub mountainous region								83.95
		Labour for	1	Each						923.42
		Cost for	1	Each						3289.22

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b	19.7.1	Inside size 90x150 cm								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		Reinforced cement concrete M-20 For slab: 1.96*1.36*0.20 = 0.530 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.475 cum Rate as per CSR item no. 10.15								
					Cum.	0.475	2485.08	1180.41		
ii		Mild steel reinforcement for slab : 0.475 cum @ 80 kg/cum = 38 kg or 0.38 Qtl. Rate as per CSR item no. 18.18								
					Qtl.	0.380	4312.78	1638.86		
		Total - I					2819.27			
		Sundries @ 3% i.e. on Rs. 2819.27					84.58			
		Add contractor's profit @ 10% i.e. on Rs. 2903.85					290.39			
		Add Labour cess @ 1% i.e. on Rs. 3194.24					31.94			
		Material cost for	1.00	Each			3226.18	3226.18		3226.18
II		Labour								
		Taking output	1	Each						
i		Reinforced cement concrete M-20 For slab: 1.96*1.36*0.20 = 0.530 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.475 cum Rate as per CSR item no. 10.15								
					Cum.	0.475	734.64	348.95		
ii		Mild steel reinforcement for slab : 0.475 cum @ 80 kg/cum = 38 kg or 0.38 Qtl. Rate as per CSR item no. 18.18								
					Qtl.	0.380	289.03	109.83		
iii		Form work = 0.90x1.50 = 1.35 sqm Rate as per CSR item no 9.1								
					Sqm	1.35	93.69	126.48		
iv		Dismantling of R.C.C slab of 1:2:4 (1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) For slab: 1.96*1.36*0.20 = 0.530 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.475 cum								

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		(Rate as per CSR item 8.6 (e))			Cum.	0.475	635.61	301.91				
		Extra labour for Removing of manhole cover										
i		Mason 1st Class			Each	0.060	223.36	13.40				
ii		Mason 2nd Class			Each	0.060	190.00	11.40				
		Total - II						911.97				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 911.97						27.36				
		Add contractor's profit @ 21.50% i.e. on Rs. 939.33						201.96				
		Add Labour cess @ 1% i.e. on Rs. 1141.29						11.41				
								1152.70				
			Labour for	1	Each			1152.70	1152.70			1152.70
			Cost for	1	Each				4378.88			
		Add 10% for sub mountainous region										115.27
			Labour for	1	Each							1267.97
			Cost for	1	Each							4494.15

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c	19.7.1	Inside size 120x180 cm								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		Reinforced cement concrete M-20 For slab: 2.26*1.66*0.20 = 0.75 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.695 cum Rate as per CSR item no. 10.15			Cum.	0.695	2485.08	1727.13		
ii		Mild steel reinforcement for slab : 0.695 cum @ 80 kg/cum = 56 kg or 0.56 Qtl. Rate as per CSR item no. 18.18			Qtl.	0.560	4312.78	2415.16		
		Total - I					4142.29			
		Sundries @ 3% i.e. on Rs. 4142.29					124.27			
		Add contractor's profit @ 10% i.e. on Rs. 4266.56					426.66			
		Add Labour cess @ 1% i.e. on Rs. 4693.22					46.93			
		Material cost for	1.00	Each			4740.15	4740.15		4740.15
II		Labour								
		Taking output	1	Each						
i		Reinforced cement concrete M-20 For slab: 2.26*1.66*0.20 = 0.75 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.695 cum Rate as per CSR item no. 10.15			Cum.	0.695	734.64	510.57		
ii		Mild steel reinforcement for slab : 0.695 cum @ 80 kg/cum = 56 kg or 0.56 Qtl. Rate as per CSR item no. 18.18			Qtl.	0.560	289.03	161.86		
iii		Form work = 1.20*1.80 = 2.16 sqm Rate as per CSR item no 9.1			Sqm	2.16	93.69	202.37		
iv		Dismantling of R.C.C slab of 1:2:4 (1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) For slab: 2.26*1.66*0.20 = 0.75 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.695 cum								

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		(Rate as per CSR item 8.6 (e))			Cum.	0.695	635.61	441.75				
		Extra labour for Removing of manhole cover										
i		Mason 1st Class			Each	0.060	223.36	13.40				
ii		Mason 2nd Class			Each	0.060	190.00	11.40				
		Total - II						1341.35				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 1341.35						40.24				
		Add contractor's profit @ 21.50% i.e. on Rs. 1381.59						297.04				
		Add Labour cess @ 1% i.e. on Rs. 1678.63						16.79				
								1695.42				
		Labour for	1	Each				1695.42	1695.42			1695.42
		Cost for	1	Each					6435.57			
		Add 10% for sub mountainous region										169.54
		Labour for	1	Each								1864.96
		Cost for	1	Each								6605.11

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d	19.7.1	Inside size 150x180 cm								
		Unit :-	1	Each						
		Taking Output :-	1	Each						
I		Material								
i		Reinforced cement concrete M-20 For slab: 1.96*2.26*0.20 = 0.886 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.831 cum Rate as per CSR item no. 10.15								
					Cum.	0.831	2485.08	2065.10		
ii		Mild steel reinforcement for slab : 0.831 cum @ 80 kg/cum = 66 kg or 0.66 Qtl. Rate as per CSR item no. 18.18								
					Qtl.	0.660	4312.78	2846.43		
		Total - I					4911.53			
		Sundries @ 3% i.e. on Rs. 4911.53					147.35			
		Add contractor's profit @ 10% i.e. on Rs. 5058.88					505.89			
		Add Labour cess @ 1% i.e. on Rs. 5564.77					55.65			
		Material cost for	1.00	Each			5620.42	5620.42		5620.42
II		Labour								
		Taking output	1	Each						
i		Reinforced cement concrete M-20 For slab: 1.96*2.26*0.20 = 0.886 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.831 cum Rate as per CSR item no. 10.15								
					Cum.	0.831	734.64	610.49		
ii		Mild steel reinforcement for slab : 0.831 cum @ 80 kg/cum = 66 kg or 0.66 Qtl. Rate as per CSR item no. 18.18								
					Qtl.	0.660	289.03	190.76		
iii		Form work = 1.50*1.80 = 2.70 sqm Rate as per CSR item no 9.1								
					Sqm	2.70	93.69	252.96		
iv		Dismantling of R.C.C slab of 1:2:4 (1 cement: 2 coarse sand : 4 grade stone aggregate 20 mm nominal size) For slab: 1.96*2.26*0.20 = 0.886 Cum Less for cover 0.61x0.455x0.20m = (-) 0.055 Cum = 0.831 cum								

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		(Rate as per CSR item 8.6 (e))			Cum.	0.831	635.61	528.19				
		Extra labour for Removing of manhole cover										
i		Mason 1st Class			Each	0.060	223.36	13.40				
ii		Mason 2nd Class			Each	0.060	190.00	11.40				
		Total - II						1607.20				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 1607.2						48.22				
		Add contractor's profit @ 21.50% i.e. on Rs. 1655.42						355.92				
		Add Labour cess @ 1% i.e. on Rs. 2011.34						20.11				
								2031.45				
			Labour for	1	Each			2031.45	2031.45			2031.45
			Cost for	1	Each				7651.87			
		Add 10% for sub mountainous region										203.15
			Labour for	1	Each							2234.60
			Cost for	1	Each							7855.02

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b	19.5.2	150 mm Diametre								
		Unit :-	1	m.						
I		Labour								
		Taking output	10	m.						
i		Mazdoor (Skilled - Upper)			Each	0.940	164.69			
		Total - I					154.81			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 154.81					4.64			
		Add contractor's profit @ 21.50% i.e. on Rs. 159.45					34.28			
		Add Labour cess @ 1% i.e. on Rs. 193.73					1.94			
		Labour for	10	m.			195.67			
		Labour for	1	m.			19.57	19.57		19.57
		Cost for	1	m.				19.57		
		Add 10% for sub mountainous region								1.96
		Labour for	1	m.						21.53
		Cost for	1	m.						21.53

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c	19.5.3	200 mm Diametre								
		Unit :-	1	m.						
I		Labour								
		Taking output	10	m.						
i		Mazdoor (Skilled - Upper)			Each	1.000	164.69			
		Total - I					164.69			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 164.69					4.94			
		Add contractor's profit @ 21.50% i.e. on Rs. 169.63					36.47			
		Add Labour cess @ 1% i.e. on Rs. 206.1					2.06			
		Labour for	10	m.			208.16			
		Labour for	1	m.			20.82	20.82		20.82
		Cost for	1	m.				20.82		
		Add 10% for sub mountainous region								2.08
		Labour for	1	m.						22.90
		Cost for	1	m.						22.90

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d	19.5.4	230 mm Diametre								
		Unit :-	1	m.						
I		Labour								
		Taking output	10	m.						
i		Mazdoor (Skilled - Upper)			Each	1.030	164.69			
		Total - I					169.63			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 169.63					5.09			
		Add contractor's profit @ 21.50% i.e. on Rs. 174.72					37.56			
		Add Labour cess @ 1% i.e. on Rs. 212.28					2.12			
		Labour for	10	m.			214.40			
		Labour for	1	m.			21.44	21.44		21.44
		Cost for	1	m.				21.44		
		Add 10% for sub mountainous region								2.14
		Labour for	1	m.						23.58
		Cost for	1	m.						23.58

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
e	19.5.5	250 mm Diametre								
		Unit :-	1	m.						
I		Labour								
		Taking output	10	m.						
i		Mazdoor (Skilled - Upper)			Each	1.060	164.69			
		Total - I					174.57			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 174.57					5.24			
		Add contractor's profit @ 21.50% i.e. on Rs. 179.81					38.66			
		Add Labour cess @ 1% i.e. on Rs. 218.47					2.18			
		Labour for	10	m.			220.65			
		Labour for	1	m.			22.07	22.07		22.07
		Cost for	1	m.				22.07		
		Add 10% for sub mountainous region								2.21
		Labour for	1	m.						24.28
		Cost for	1	m.						24.28

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
f	19.5.6	300 mm Diametre								
		Unit :-	1	m.						
I		Labour								
		Taking output	10	m.						
i		Mazdoor (Skilled - Upper)			Each	1.120	164.69			
		Total - I					184.45			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 184.45					5.53			
		Add contractor's profit @ 21.50% i.e. on Rs. 189.98					40.85			
		Add Labour cess @ 1% i.e. on Rs. 230.83					2.31			
		Labour for	10	m.			233.14			
		Labour for	1	m.			23.31	23.31		23.31
		Cost for	1	m.				23.31		
		Add 10% for sub mountainous region								2.33
		Labour for	1	m.						25.64
		Cost for	1	m.						25.64

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
g	19.5.7	350 mm Diametre								
		Unit :-	1	m.						
I		Labour								
		Taking output	10	m.						
i		Mazdoor (Skilled - Upper)			Each	1.290	164.69			
		Total - I					212.45			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 212.45					6.37			
		Add contractor's profit @ 21.50% i.e. on Rs. 218.82					47.05			
		Add Labour cess @ 1% i.e. on Rs. 265.87					2.66			
		Labour for	10	m.			268.53			
		Labour for	1	m.			26.85	26.85		26.85
		Cost for	1	m.				26.85		
		Add 10% for sub mountainous region								2.69
		Labour for	1	m.						29.54
		Cost for	1	m.						29.54

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
h	19.5.8	400 mm Diametre								
		Unit :-	1	m.						
I		Labour								
		Taking output	10	m.						
i		Mazdoor (Skilled - Upper)			Each	1.410	164.69			
		Total - I					232.21			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 232.21					6.97			
		Add contractor's profit @ 21.50% i.e. on Rs. 239.18					51.42			
		Add Labour cess @ 1% i.e. on Rs. 290.6					2.91			
		Labour for	10	m.			293.51			
		Labour for	1	m.			29.35	29.35		29.35
		Cost for	1	m.				29.35		
		Add 10% for sub mountainous region								2.94
		Labour for	1	m.						32.29
		Cost for	1	m.						32.29

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i	19.5.9	450 mm Diametre								
		Unit :-	1	m.						
I		Labour								
		Taking output	10	m.						
i		Mazdoor (Skilled - Upper)			Each	1.470	164.69	242.09		
		Total - I					242.09			
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 242.09					7.26			
		Add contractor's profit @ 21.50% i.e. on Rs. 249.35					53.61			
		Add Labour cess @ 1% i.e. on Rs. 302.96					3.03			
		Labour for	10	m.			305.99			
		Labour for	1	m.			30.60	30.60		30.60
		Cost for	1	m.				30.60		
		Add 10% for sub mountainous region								3.06
		Labour for	1	m.						33.66
		Cost for	1	m.						33.66

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11

29.100 Disilting of main sewerage line of size 760mm dia to onwards by silt clearing machine.

		Unit :-	1	m.								
		Taking length of sewer :-	60	m.								
I		Labour										
i		Hiring charges of disilting machine including usage of steel rope			Per day	7.000	2000.00	14000.00				
ii		Sewerman for installation / removing of machine and fixing of rope			Each	2.000	160.96	321.92				
iii		Sewerman for operation period			Each	7.000	160.96	1126.72				
		Total - I						15448.64				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 15448.64						463.46				
		Add contractor's profit @ 21.50% i.e. on Rs. 15912.1						3421.10				
		Add Labour cess @ 1% i.e. on Rs. 19333.2						193.33				
		Labour for	60	m.				19526.53				
		Labour for	1	m.				325.44	325.44			325.44
		Cost for	1	m.					325.44			
		Add 10% for sub mountainous region										32.54
		Labour for	1	m.								357.98
		Cost for	1	m.								357.98

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.101		Disilting of sewerage sludge from manhole including rehandling of sludge within 50 m.								
	a	Depth upto 3 m.								
		Unit :-	1	Cum.						
		Taking Output:-	1	Cum.						
I		Labour								
i		Sewerman			Each	3.000	160.96	482.88		
iii		Bucket, rope & keys for opening manhole, including disposal of silt beyond 5 km. outside the city area, providing and fixing of caution board and diversion of traffic etc. @ 10% of labour						48.29		
		Total - I						531.17		
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 531.17						15.94		
		Add contractor's profit @ 21.50% i.e. on Rs. 547.11						117.63		
		Add Labour cess @ 1% i.e. on Rs. 664.74						6.65		
								671.39		
		Labour for	1	Cum.				671.39	671.39	671.39
		Cost for	1	Cum.				671.39		
		Add 10% for sub mountainous region								67.14
		Labour for	1	Cum.						738.53
		Cost for	1	Cum.						738.53

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b Depth above 3 m.										
		Unit :-	1	Cum.						
		Taking Output:-	1	Cum.						
I		Labour								
i		Sewerman			Each	4.000	160.96	643.84		
iii		Bucket, rope & keys for opening manhole, including disposal of silt beyond 5 km. outside the city area, providing and fixing of caution board and diversion of traffic etc. @ 10% of labour						64.38		
		Total - I						708.22		
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 708.22						21.25		
		Add contractor's profit @ 21.50% i.e. on Rs. 729.47						156.84		
		Add Labour cess @ 1% i.e. on Rs. 886.31						8.86		
								895.17		
		Labour for	1	Cum.				895.17	895.17	895.17
		Cost for	1	Cum.				895.17		
		Add 10% for sub mountainous region								89.52
		Labour for	1	Cum.						984.69
		Cost for	1	Cum.						984.69

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.102		Analysis of rate for making sewer connection of 12" & 16" i/d newly laid sewer with existing manhole of 30" i/d P/T sewer and above including cost of plugging & desilting of Manholes.								
		Unit :-	1	Connection						
		Taking Output :-	1	Connection						
I		Material								
i		Sewerman for plugging & cleaning garbage & sullage water from existing Manhole		Each	4.00	160.96	643.84			
ii		Mazdoor (Skilled - Upper) for making khuda in manholes		Each	2.00	164.69	329.38			
iii		Mason for half day for fixing of 16" i/d SW pipe with Khuda & making repair of manholes		Each	0.50	190.00	95.00			
iv		Supply of empty cement bags, rassa etc. for plugging of manholes		L.S.			200.00			
v		Rent of bucket, hammer, kassi etc.		L.S.			50.00			
vi		Provision for extra dewatering from manholes including the rent of pumpset and cost of diesel oil etc.					2000.00			
		Total - I					3318.22			
		Sundries @ 3% i.e. on Rs. 3318.22					99.55			
		Add contractor's profit @ 10% i.e. on Rs. 3417.77					341.78			
		Add Labour cess @ 1% i.e. on Rs. 3759.55					37.60			
							3797.15			
		Material cost for	1.00	Connection			3797.15	3797.15		3797.15

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.103		Rate for making sewer connection of 8" & 10" i/d newly laid pipe sewer with existing manhole including cost of plugging & desilting of Manholes.								
		Unit :-	1	Connection						
		Taking Output :-	2	Connection						
I		Material								
i		Labour for plugging & cleaning garbage & sullage water from existing Manhole (Rate as per CSR item 1.88)		Each	3.00	247.00	741.00			
ii		Cutting holes upto 30cm through BB in walls 22.86 cm thickness of walls (Rate as per CSR item 28.63 (b))		Each	2.00	0.00	0.00			
iii		Cost of empty bags & rassa for plugging of manholes		L.S.			100.00			
iv		Depreciation cost of bucket, kassi etc for cleaning garbage & sullage water		L.S.			25.00			
		Total - I					866.00			
		Sundries @ 3% i.e. on Rs. 866					25.98			
		Add contractor's profit @ 10% i.e. on Rs. 891.98					89.20			
		Add Labour cess @ 1% i.e. on Rs. 981.18					9.81			
		Material cost for	2.00	Connection			990.99			
		Material cost for	1.00	Connection			495.50			495.50

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
29.47		Construction of pressure type Circular sewer in RCC / Brick complete as per drawing and design(For Low Sub - Soil water conditions) Type I								
a		760mm i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.110	1683.63	185.20		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.099	2445.08	242.06		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.109	2485.08	270.87		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.073	1920.54	140.20		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	0.742	49.22	36.52		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	3.4990	4312.78	15090.42		
		Total - I					15965.27			
		Sundries @ 3% i.e. on Rs. 15965.27					478.96			
		Add contractor's profit @ 10% i.e. on Rs. 16444.23					1644.42			
		Add Labour cess @ 1% i.e. on Rs. 18088.65					180.89			
		Material cost for	1.00	Rmt			18269.54			
		Material cost for	30.48	Rmt			18269.54	18269.54		18269.54
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.110	261.25	28.74		

ITEM ALREADY INCLUDED AT SR. NO.29.47 HENCE DELETED.

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Centring & shuttering (as per sub analysis attached)								
			Sqm.	72.972	65.00	4743.17				
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.	Cum.	0.099	425.47	42.12				
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.109	734.64	80.08				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.073	425.47	31.06				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	0.742	44.52	33.03				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	3.4990	289.03	1011.32				
vii		Form Work								
		Total - II				5969.52				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 5969.52				179.09				
		Add contractor's profit @ 21.50% i.e. on Rs. 6148.61				1321.95				
		Add Labour cess @ 1% i.e. on Rs. 7470.56				74.71				
		Labour for	1.00	Rmt		7545.27				
		Labour for	30.48	Rmt		7545.27	7545.27			7545.27
		Cost for	30.48	Rmt			25814.81			
		Add 10% for sub mountainous region								754.53
		Labour for	30.48	Rmt						8299.80
		Cost for	30.48	Rmt						26569.34

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		840mm i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.116	1683.63	195.30		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.107	2445.08	261.62		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.116	2485.08	288.27		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.077	1920.54	147.88		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	0.815	49.22	40.11		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	3.6160	4312.78	15595.01		
		Total - I					16528.19			
		Sundries @ 3% i.e. on Rs. 16528.19					495.85			
		Add contractor's profit @ 10% i.e. on Rs. 17024.04					1702.40			
		Add Labour cess @ 1% i.e. on Rs. 18726.44					187.26			
		Material cost for	1.00	Rmt			18913.70			
		Material cost for	30.48	Rmt			18913.70	18913.70		18913.70
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.116	261.25	30.31		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.107	425.47	45.53		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.116	734.64	85.22				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.077	425.47	32.76				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	0.815	44.52	36.28				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	3.6160	289.03	1045.13				
vii		Form Work								
		Total - II				1275.23				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 1275.23				38.26				
		Add contractor's profit @ 21.50% i.e. on Rs. 1313.49				282.40				
		Add Labour cess @ 1% i.e. on Rs. 1595.89				15.96				
		Labour for 1.00 Rmt				1611.85				
		Labour for 30.48 Rmt				1611.85	1611.85			1611.85
		Cost for 30.48 Rmt					20525.55			
		Add 10% for sub mountainous region								161.19
		Labour for 30.48 Rmt								1773.04
		Cost for 30.48 Rmt								20686.74

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c		915mm/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.122	1683.63	205.40		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.115	2445.08	281.18		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.123	2485.08	305.66		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.081	1920.54	155.56		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	0.888	49.22	43.71		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	3.8700	4312.78	16690.46		
		Total - I					17681.97			
		Sundries @ 3% i.e. on Rs. 17681.97					530.46			
		Add contractor's profit @ 10% i.e. on Rs. 18212.43					1821.24			
		Add Labour cess @ 1% i.e. on Rs. 20033.67					200.34			
		Material cost for	1.00	Rmt			20234.01			
		Material cost for	30.48	Rmt			20234.01	20234.01		20234.01
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.122	261.25	31.87		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.115	425.47	48.93		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.123	734.64	90.36				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.081	425.47	34.46				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	0.888	44.52	39.53				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	3.8700	289.03	1118.55				
vii		Form Work								
		Total - II				1363.70				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 1363.7				40.91				
		Add contractor's profit @ 21.50% i.e. on Rs. 1404.61				301.99				
		Add Labour cess @ 1% i.e. on Rs. 1706.6				17.07				
		Labour for 1.00 Rmt				1723.67				
		Labour for 30.48 Rmt				1723.67	1723.67			1723.67
		Cost for 30.48 Rmt					21957.68			
		Add 10% for sub mountainous region								172.37
		Labour for 30.48 Rmt								1896.04
		Cost for 30.48 Rmt								22130.05

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d		990mm i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.130	1683.63	218.87		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.123	2445.08	300.74		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.130	2485.08	323.06		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.085	1920.54	163.25		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	0.961	49.22	47.30		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	4.1230	4312.78	17781.59		
		Total - I					18834.81			
		Sundries @ 3% i.e. on Rs. 18834.81					565.04			
		Add contractor's profit @ 10% i.e. on Rs. 19399.85					1939.99			
		Add Labour cess @ 1% i.e. on Rs. 21339.84					213.40			
		Material cost for	1.00	Rmt			21553.24			
		Material cost for	30.48	Rmt			21553.24	21553.24		21553.24
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.130	261.25	33.96		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.123	425.47	52.33		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.130	734.64	95.50				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.085	425.47	36.16				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	0.961	44.52	42.78				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	4.1230	289.03	1191.67				
vii		Form Work								
		Total - II				1452.40				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 1452.4				43.57				
		Add contractor's profit @ 21.50% i.e. on Rs. 1495.97				321.63				
		Add Labour cess @ 1% i.e. on Rs. 1817.6				18.18				
		Labour for 1.00 Rmt				1835.78				
		Labour for 30.48 Rmt				1835.78	1835.78			1835.78
		Cost for 30.48 Rmt					23389.02			
		Add 10% for sub mountainous region								183.58
		Labour for 30.48 Rmt								2019.36
		Cost for 30.48 Rmt								23572.60

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
e		1065mm i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.138	1683.63	232.34		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.132	2445.08	322.75		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.138	2485.08	342.94		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.089	1920.54	170.93		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.034	49.22	50.89		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	4.3770	4312.78	18877.04		
		Total - I					19996.89			
		Sundries @ 3% i.e. on Rs. 19996.89					599.91			
		Add contractor's profit @ 10% i.e. on Rs. 20596.8					2059.68			
		Add Labour cess @ 1% i.e. on Rs. 22656.48					226.56			
		Material cost for	1.00	Rmt			22883.04			
		Material cost for	30.48	Rmt			22883.04	22883.04		22883.04
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.138	261.25	36.05		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.132	425.47	56.16		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.138	734.64	101.38				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.089	425.47	37.87				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.034	44.52	46.03				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	4.3770	289.03	1265.08				
vii		Form Work								
		Total - II				1542.57				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 1542.57				46.28				
		Add contractor's profit @ 21.50% i.e. on Rs. 1588.85				341.60				
		Add Labour cess @ 1% i.e. on Rs. 1930.45				19.30				
		Labour for 1.00 Rmt				1949.75				
		Labour for 30.48 Rmt				1949.75	1949.75			1949.75
		Cost for 30.48 Rmt					24832.79			
		Add 10% for sub mountainous region								194.98
		Labour for 30.48 Rmt								2144.73
		Cost for 30.48 Rmt								25027.77

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
f		1145mm/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.142	1683.63	239.08		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.140	2445.08	342.31		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.145	2485.08	360.34		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.093	1920.54	178.61		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.107	49.22	54.49		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	5.1740	4312.78	22314.32		
		Total - I					23489.15			
		Sundries @ 3% i.e. on Rs. 23489.15					704.67			
		Add contractor's profit @ 10% i.e. on Rs. 24193.82					2419.38			
		Add Labour cess @ 1% i.e. on Rs. 26613.2					266.13			
		Material cost for	1.00	Rmt			26879.33			
		Material cost for	30.48	Rmt			26879.33	26879.33		26879.33
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.142	261.25	37.10		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.140	425.47	59.57		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.145	734.64	106.52				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.093	425.47	39.57				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.107	44.52	49.28				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	5.1740	289.03	1495.44				
vii		Form Work								
		Total - II				1787.48				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 1787.48				53.62				
		Add contractor's profit @ 21.50% i.e. on Rs. 1841.1				395.84				
		Add Labour cess @ 1% i.e. on Rs. 2236.94				22.37				
		Labour for 1.00 Rmt				2259.31				
		Labour for 30.48 Rmt				2259.31	2259.31			2259.31
		Cost for 30.48 Rmt					29138.64			
		Add 10% for sub mountainous region								225.93
		Labour for 30.48 Rmt								2485.24
		Cost for 30.48 Rmt								29364.57

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
g		1220mm i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.149	1683.63	250.86		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.148	2445.08	361.87		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.153	2485.08	380.22		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.097	1920.54	186.29		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.180	49.22	58.08		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	5.4410	4312.78	23465.84		
		Total - I					24703.16			
		Sundries @ 3% i.e. on Rs. 24703.16					741.09			
		Add contractor's profit @ 10% i.e. on Rs. 25444.25					2544.43			
		Add Labour cess @ 1% i.e. on Rs. 27988.68					279.89			
		Material cost for	1.00	Rmt			28268.57			
		Material cost for	30.48	Rmt			28268.57	28268.57		28268.57
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.149	261.25	38.93		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.148	425.47	62.97		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.153	734.64	112.40				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.097	425.47	41.27				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.180	44.52	52.53				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	5.4410	289.03	1572.61				
vii		Form Work								
		Total - II				1880.71				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 1880.71				56.42				
		Add contractor's profit @ 21.50% i.e. on Rs. 1937.13				416.48				
		Add Labour cess @ 1% i.e. on Rs. 2353.61				23.54				
		Labour for 1.00 Rmt				2377.15				
		Labour for 30.48 Rmt				2377.15	2377.15			2377.15
		Cost for 30.48 Rmt					30645.72			
		Add 10% for sub mountainous region								237.72
		Labour for 30.48 Rmt								2614.87
		Cost for 30.48 Rmt								30883.44

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
h		1295mm i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.153	1683.63	257.60		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.157	2445.08	383.88		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.160	2485.08	397.61		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.102	1920.54	195.90		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.253	49.22	61.67		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	5.7080	4312.78	24617.35		
		Total - I					25914.01			
		Sundries @ 3% i.e. on Rs. 25914.01					777.42			
		Add contractor's profit @ 10% i.e. on Rs. 26691.43					2669.14			
		Add Labour cess @ 1% i.e. on Rs. 29360.57					293.61			
		Material cost for	1.00	Rmt			29654.18			
		Material cost for	30.48	Rmt			29654.18	29654.18		29654.18
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.153	261.25	39.97		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.157	425.47	66.80		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.160	734.64	117.54				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.102	425.47	43.40				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.253	44.52	55.78				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	5.7080	289.03	1649.78				
vii		Form Work								
		Total - II				1973.27				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 1973.27				59.20				
		Add contractor's profit @ 21.50% i.e. on Rs. 2032.47				436.98				
		Add Labour cess @ 1% i.e. on Rs. 2469.45				24.69				
		Labour for 1.00 Rmt				2494.14				
		Labour for 30.48 Rmt				2494.14	2494.14			2494.14
		Cost for 30.48 Rmt					32148.32			
		Add 10% for sub mountainous region								249.41
		Labour for 30.48 Rmt								2743.55
		Cost for 30.48 Rmt								32397.73

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i		1370mm i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.159	1683.63	267.70		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.165	2445.08	403.44		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.169	2485.08	419.98		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.106	1920.54	203.58		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.326	49.22	65.27		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	5.9750	4312.78	25768.86		
		Total - I					27128.83			
		Sundries @ 3% i.e. on Rs. 27128.83					813.86			
		Add contractor's profit @ 10% i.e. on Rs. 27942.69					2794.27			
		Add Labour cess @ 1% i.e. on Rs. 30736.96					307.37			
		Material cost for	1.00	Rmt			31044.33			
		Material cost for	30.48	Rmt			31044.33	31044.33		31044.33
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.159	261.25	41.54		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.165	425.47	70.20		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.169	734.64	124.15				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.106	425.47	45.10				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.326	44.52	59.03				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	5.9750	289.03	1726.95				
vii		Form Work								
		Total - II				2066.97				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 2066.97				62.01				
		Add contractor's profit @ 21.50% i.e. on Rs. 2128.98				457.73				
		Add Labour cess @ 1% i.e. on Rs. 2586.71				25.87				
		Labour for 1.00 Rmt				2612.58				
		Labour for 30.48 Rmt				2612.58	2612.58			2612.58
		Cost for 30.48 Rmt					33656.91			
		Add 10% for sub mountainous region								261.26
		Labour for 30.48 Rmt								2873.84
		Cost for 30.48 Rmt								33918.17

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
j		1450mm i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.167	1683.63	281.17		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.173	2445.08	423.00		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.175	2485.08	434.89		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.110	1920.54	211.26		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.399	49.22	68.86		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	6.2430	4312.78	26924.69		
		Total - I					28343.87			
		Sundries @ 3% i.e. on Rs. 28343.87					850.32			
		Add contractor's profit @ 10% i.e. on Rs. 29194.19					2919.42			
		Add Labour cess @ 1% i.e. on Rs. 32113.61					321.14			
		Material cost for	1.00	Rmt			32434.75			
		Material cost for	30.48	Rmt			32434.75	32434.75		32434.75
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.167	261.25	43.63		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.173	425.47	73.61		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.175	734.64	128.56				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.110	425.47	46.80				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.399	44.52	62.28				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	6.2430	289.03	1804.41				
vii		Form Work								
		Total - II				2159.29				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 2159.29				64.78				
		Add contractor's profit @ 21.50% i.e. on Rs. 2224.07				478.18				
		Add Labour cess @ 1% i.e. on Rs. 2702.25				27.02				
		Labour for 1.00 Rmt				2729.27				
		Labour for 30.48 Rmt				2729.27	2729.27			2729.27
		Cost for 30.48 Rmt					35164.02			
		Add 10% for sub mountainous region								272.93
		Labour for 30.48 Rmt								3002.20
		Cost for 30.48 Rmt								35436.95

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
k		1525mm i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.174	1683.63	292.95		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.182	2445.08	445.00		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.182	2485.08	452.28		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.114	1920.54	218.94		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.472	49.22	72.45		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	6.5120	4312.78	28084.82		
		Total - I					29566.44			
		Sundries @ 3% i.e. on Rs. 29566.44					886.99			
		Add contractor's profit @ 10% i.e. on Rs. 30453.43					3045.34			
		Add Labour cess @ 1% i.e. on Rs. 33498.77					334.99			
		Material cost for	1.00	Rmt			33833.76			
		Material cost for	30.48	Rmt			33833.76	33833.76		33833.76
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.174	261.25	45.46		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.182	425.47	77.44		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.182	734.64	133.70				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.114	425.47	48.50				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.472	44.52	65.53				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	6.5120	289.03	1882.16				
vii		Form Work								
		Total - II				2252.79				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 2252.79				67.58				
		Add contractor's profit @ 21.50% i.e. on Rs. 2320.37				498.88				
		Add Labour cess @ 1% i.e. on Rs. 2819.25				28.19				
		Labour for 1.00 Rmt				2847.44				
		Labour for 30.48 Rmt				2847.44	2847.44			2847.44
		Cost for 30.48 Rmt					36681.20			
		Add 10% for sub mountainous region								284.74
		Labour for 30.48 Rmt								3132.18
		Cost for 30.48 Rmt								36965.94

Construction of pressure type Circular sewer in RCC / Brick complete as per drawing and design(Under Medium Sub - Soil water conditions) Type II

(ITEM ALREADY INCLUDED AT SR.NO.29.48 HENCE DELETED)

29.48

a

30" i/d P.T. sewer

		Unit :-	30.48	Rmt								
		Taking Output :-	1	Rmt								
I		Material										
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.113	1683.63	190.25				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.	Cum.	0.999	2445.08	2442.63				
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.120	2485.08	298.21				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.074	1920.54	142.12				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	0.742	49.22	36.52				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	6.3720	4312.78	27481.03				
		Total - I				30590.76				
		Sundries @ 3% i.e. on Rs. 30590.76				917.72				
		Add contractor's profit @ 10% i.e. on Rs. 31508.48				3150.85				
		Add Labour cess @ 1% i.e. on Rs. 34659.33				346.59				
		Material cost for 1.00 Rmt				35005.92				
		Material cost for 30.48 Rmt				35005.92	35005.92			35005.92
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.	Cum.	0.113	261.25	29.52				
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.	Cum.	0.999	425.47	425.04				
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.120	734.64	88.16				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.074	425.47	31.48				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	0.742	44.52	33.03				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	6.3720	289.03	1841.70				
vii		Form Work								
		Total - II				2448.93				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 2448.93				73.47				

Sr. No.	Code No.	Description			Unit	Quantity	Plain			For Sub-Mountainous Region		
							Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3			4	5	6	7	8	9	10	11
		Add contractor's profit @ 21.50% i.e. on Rs. 2522.4						542.32				
		Add Labour cess @ 1% i.e. on Rs. 3064.72						30.65				
		Labour for	1.00	Rmt				3095.37				
		Labour for	30.48	Rmt				3095.37	3095.37			3095.37
		Cost for	30.48	Rmt					38101.29			
		Add 10% for sub mountainous region										309.54
		Labour for	30.48	Rmt								3404.91
		Cost for	30.48	Rmt								38410.83

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		33" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.119	1683.63	200.35		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.107	2445.08	261.62		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.128	2485.08	318.09		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.078	1920.54	149.80		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	0.815	49.22	40.11		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	6.8630	4312.78	29598.61		
		Total - I					30568.58			
		Sundries @ 3% i.e. on Rs. 30568.58					917.06			
		Add contractor's profit @ 10% i.e. on Rs. 31485.64					3148.56			
		Add Labour cess @ 1% i.e. on Rs. 34634.2					346.34			
		Material cost for	1.00	Rmt			34980.54			
		Material cost for	30.48	Rmt			34980.54	34980.54		34980.54
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.119	261.25	31.09		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.107	425.47	45.53		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.128	734.64	94.03				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.078	425.47	33.19				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	0.815	44.52	36.28				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	6.8630	289.03	1983.61				
vii		Form Work								
		Total - II				2223.73				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 2223.73				66.71				
		Add contractor's profit @ 21.50% i.e. on Rs. 2290.44				492.44				
		Add Labour cess @ 1% i.e. on Rs. 2782.88				27.83				
		Labour for 1.00 Rmt				2810.71				
		Labour for 30.48 Rmt				2810.71	2810.71			2810.71
		Cost for 30.48 Rmt					37791.25			
		Add 10% for sub mountainous region								281.07
		Labour for 30.48 Rmt								3091.78
		Cost for 30.48 Rmt								38072.32

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c		36" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.125	1683.63	210.45		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.115	2445.08	281.18		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.136	2485.08	337.97		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.082	1920.54	157.48		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	0.888	49.22	43.71		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	7.2210	4312.78	31142.58		
		Total - I					32173.37			
		Sundries @ 3% i.e. on Rs. 32173.37					965.20			
		Add contractor's profit @ 10% i.e. on Rs. 33138.57					3313.86			
		Add Labour cess @ 1% i.e. on Rs. 36452.43					364.52			
		Material cost for	1.00	Rmt			36816.95			
		Material cost for	30.48	Rmt			36816.95	36816.95		36816.95
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.125	261.25	32.66		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.115	425.47	48.93		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.136	734.64	99.91				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.082	425.47	34.89				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	0.888	44.52	39.53				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	7.2210	289.03	2087.09				
vii		Form Work								
		Total - II				2343.01				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 2343.01				70.29				
		Add contractor's profit @ 21.50% i.e. on Rs. 2413.3				518.86				
		Add Labour cess @ 1% i.e. on Rs. 2932.16				29.32				
		Labour for 1.00 Rmt				2961.48				
		Labour for 30.48 Rmt				2961.48	2961.48			2961.48
		Cost for 30.48 Rmt					39778.43			
		Add 10% for sub mountainous region								296.15
		Labour for 30.48 Rmt								3257.63
		Cost for 30.48 Rmt								40074.58

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d		39" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.133	1683.63	223.92		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.124	2445.08	303.19		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.144	2485.08	357.85		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.087	1920.54	167.09		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	0.961	49.22	47.30		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	7.7120	4312.78	33260.16		
		Total - I					34359.51			
		Sundries @ 3% i.e. on Rs. 34359.51					1030.79			
		Add contractor's profit @ 10% i.e. on Rs. 35390.3					3539.03			
		Add Labour cess @ 1% i.e. on Rs. 38929.33					389.29			
		Material cost for	1.00	Rmt			39318.62			
		Material cost for	30.48	Rmt			39318.62	39318.62		39318.62
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.133	261.25	34.75		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.124	425.47	52.76		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.144	734.64	105.79				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.087	425.47	37.02				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	0.961	44.52	42.78				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	7.7120	289.03	2229.00				
vii		Form Work								
		Total - II				2502.10				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 2502.1				75.06				
		Add contractor's profit @ 21.50% i.e. on Rs. 2577.16				554.09				
		Add Labour cess @ 1% i.e. on Rs. 3131.25				31.31				
		Labour for 1.00 Rmt				3162.56				
		Labour for 30.48 Rmt				3162.56	3162.56			3162.56
		Cost for 30.48 Rmt					42481.18			
		Add 10% for sub mountainous region								316.26
		Labour for 30.48 Rmt								3478.82
		Cost for 30.48 Rmt								42797.44

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
e		42" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.141	1683.63	237.39		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.132	2445.08	322.75		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.152	2485.08	377.73		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.091	1920.54	174.77		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.034	49.22	50.89		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	8.2030	4312.78	35377.73		
		Total - I					36541.26			
		Sundries @ 3% i.e. on Rs. 36541.26					1096.24			
		Add contractor's profit @ 10% i.e. on Rs. 37637.5					3763.75			
		Add Labour cess @ 1% i.e. on Rs. 41401.25					414.01			
		Material cost for	1.00	Rmt			41815.26			
		Material cost for	30.48	Rmt			41815.26	41815.26		41815.26
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.141	261.25	36.84		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.132	425.47	56.16		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.152	734.64	111.67				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.091	425.47	38.72				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.034	44.52	46.03				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	8.2030	289.03	2370.91				
vii		Form Work								
		Total - II				2660.33				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 2660.33				79.81				
		Add contractor's profit @ 21.50% i.e. on Rs. 2740.14				589.13				
		Add Labour cess @ 1% i.e. on Rs. 3329.27				33.29				
		Labour for 1.00 Rmt				3362.56				
		Labour for 30.48 Rmt				3362.56	3362.56			3362.56
		Cost for 30.48 Rmt					45177.82			
		Add 10% for sub mountainous region								336.26
		Labour for 30.48 Rmt								3698.82
		Cost for 30.48 Rmt								45514.08

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
f		45" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.161	1683.63	271.06		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.140	2445.08	342.31		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.226	2485.08	561.63		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.099	1920.54	190.13		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.107	49.22	54.49		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	10.5190	4312.78	45366.13		
		Total - I					46785.75			
		Sundries @ 3% i.e. on Rs. 46785.75					1403.57			
		Add contractor's profit @ 10% i.e. on Rs. 48189.32					4818.93			
		Add Labour cess @ 1% i.e. on Rs. 53008.25					530.08			
		Material cost for	1.00	Rmt			53538.33			
		Material cost for	30.48	Rmt			53538.33	53538.33		53538.33
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.161	261.25	42.06		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.140	425.47	59.57		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.226	734.64	166.03				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.099	425.47	42.12				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.107	44.52	49.28				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	10.5190	289.03	3040.31				
vii		Form Work								
		Total - II				3399.37				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 3399.37				101.98				
		Add contractor's profit @ 21.50% i.e. on Rs. 3501.35				752.79				
		Add Labour cess @ 1% i.e. on Rs. 4254.14				42.54				
		Labour for 1.00 Rmt				4296.68				
		Labour for 30.48 Rmt				4296.68	4296.68			4296.68
		Cost for 30.48 Rmt					57835.01			
		Add 10% for sub mountainous region								429.67
		Labour for 30.48 Rmt								4726.35
		Cost for 30.48 Rmt								58264.68

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
g		48" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.169	1683.63	284.53		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.149	2445.08	364.32		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.237	2485.08	588.96		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.104	1920.54	199.74		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.180	49.22	58.08		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	11.0570	4312.78	47686.41		
		Total - I					49182.04			
		Sundries @ 3% i.e. on Rs. 49182.04					1475.46			
		Add contractor's profit @ 10% i.e. on Rs. 50657.5					5065.75			
		Add Labour cess @ 1% i.e. on Rs. 55723.25					557.23			
		Material cost for	1.00	Rmt			56280.48			
		Material cost for	30.48	Rmt			56280.48	56280.48		56280.48
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.169	261.25	44.15		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.149	425.47	63.40		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.237	734.64	174.11				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.104	425.47	44.25				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.180	44.52	52.53				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	11.0570	289.03	3195.80				
vii		Form Work								
		Total - II				3574.24				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 3574.24				107.23				
		Add contractor's profit @ 21.50% i.e. on Rs. 3681.47				791.52				
		Add Labour cess @ 1% i.e. on Rs. 4472.99				44.73				
		Labour for 1.00 Rmt				4517.72				
		Labour for 30.48 Rmt				4517.72	4517.72			4517.72
		Cost for 30.48 Rmt					60798.20			
		Add 10% for sub mountainous region								451.77
		Labour for 30.48 Rmt								4969.49
		Cost for 30.48 Rmt								61249.97

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
h		51" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.174	1683.63	292.95		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.157	2445.08	383.88		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.245	2485.08	608.84		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.107	1920.54	205.50		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.253	49.22	61.67		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	11.5920	4312.78	49993.75		
		Total - I					51546.59			
		Sundries @ 3% i.e. on Rs. 51546.59					1546.40			
		Add contractor's profit @ 10% i.e. on Rs. 53092.99					5309.30			
		Add Labour cess @ 1% i.e. on Rs. 58402.29					584.02			
		Material cost for	1.00	Rmt			58986.31			
		Material cost for	30.48	Rmt			58986.31	58986.31		58986.31
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.174	261.25	45.46		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.157	425.47	66.80		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.245	734.64	179.99				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.107	425.47	45.53				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.253	44.52	55.78				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	11.5920	289.03	3350.44				
vii		Form Work								
		Total - II				3744.00				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 3744				112.32				
		Add contractor's profit @ 21.50% i.e. on Rs. 3856.32				829.11				
		Add Labour cess @ 1% i.e. on Rs. 4685.43				46.85				
		Labour for 1.00 Rmt				4732.28				
		Labour for 30.48 Rmt				4732.28	4732.28			4732.28
		Cost for 30.48 Rmt					63718.59			
		Add 10% for sub mountainous region								473.23
		Labour for 30.48 Rmt								5205.51
		Cost for 30.48 Rmt								64191.82

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i		54" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.181	1683.63	304.74		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.165	2445.08	403.44		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.260	2485.08	646.12		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.112	1920.54	215.10		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.326	49.22	65.27		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	11.9900	4312.78	51710.23		
		Total - I					53344.90			
		Sundries @ 3% i.e. on Rs. 53344.9					1600.35			
		Add contractor's profit @ 10% i.e. on Rs. 54945.25					5494.53			
		Add Labour cess @ 1% i.e. on Rs. 60439.78					604.40			
		Material cost for	1.00	Rmt			61044.18			
		Material cost for	30.48	Rmt			61044.18	61044.18		61044.18
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.181	261.25	47.29		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.165	425.47	70.20		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.260	734.64	191.01				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.112	425.47	47.65				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.326	44.52	59.03				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	11.9900	289.03	3465.47				
vii		Form Work								
		Total - II				3880.65				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 3880.65				116.42				
		Add contractor's profit @ 21.50% i.e. on Rs. 3997.07				859.37				
		Add Labour cess @ 1% i.e. on Rs. 4856.44				48.56				
		Labour for 1.00 Rmt				4905.00				
		Labour for 30.48 Rmt				4905.00	4905.00			4905.00
		Cost for 30.48 Rmt					65949.18			
		Add 10% for sub mountainous region								490.50
		Labour for 30.48 Rmt								5395.50
		Cost for 30.48 Rmt								66439.68

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
j		57" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.190	1683.63	319.89		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.174	2445.08	425.44		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.270	2485.08	670.97		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.116	1920.54	222.78		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.399	49.22	68.86		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	12.5240	4312.78	54013.26		
		Total - I					55721.20			
		Sundries @ 3% i.e. on Rs. 55721.2					1671.64			
		Add contractor's profit @ 10% i.e. on Rs. 57392.84					5739.28			
		Add Labour cess @ 1% i.e. on Rs. 63132.12					631.32			
		Material cost for	1.00	Rmt			63763.44			
		Material cost for	30.48	Rmt			63763.44	63763.44		63763.44
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.190	261.25	49.64		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.174	425.47	74.03		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.270	734.64	198.35				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.116	425.47	49.35				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.399	44.52	62.28				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	12.5240	289.03	3619.81				
vii		Form Work								
		Total - II				4053.46				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 4053.46				121.60				
		Add contractor's profit @ 21.50% i.e. on Rs. 4175.06				897.64				
		Add Labour cess @ 1% i.e. on Rs. 5072.7				50.73				
		Labour for 1.00 Rmt				5123.43				
		Labour for 30.48 Rmt				5123.43	5123.43			5123.43
		Cost for 30.48 Rmt					68886.87			
		Add 10% for sub mountainous region								512.34
		Labour for 30.48 Rmt								5635.77
		Cost for 30.48 Rmt								69399.21

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
k		60" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.196	1683.63	329.99		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.182	2445.08	445.00		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.282	2485.08	700.79		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.120	1920.54	230.46		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.472	49.22	72.45		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	13.0590	4312.78	56320.59		
		Total - I					58099.28			
		Sundries @ 3% i.e. on Rs. 58099.28					1742.98			
		Add contractor's profit @ 10% i.e. on Rs. 59842.26					5984.23			
		Add Labour cess @ 1% i.e. on Rs. 65826.49					658.26			
		Material cost for	1.00	Rmt			66484.75			
		Material cost for	30.48	Rmt			66484.75	66484.75		66484.75
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.196	261.25	51.21		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.182	425.47	77.44		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.282	734.64	207.17				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.120	425.47	51.06				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.472	44.52	65.53				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	13.0590	289.03	3774.44				
vii		Form Work								
		Total - II				4226.85				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 4226.85				126.81				
		Add contractor's profit @ 21.50% i.e. on Rs. 4353.66				936.04				
		Add Labour cess @ 1% i.e. on Rs. 5289.7				52.90				
		Labour for 1.00 Rmt				5342.60				
		Labour for 30.48 Rmt				5342.60	5342.60			5342.60
		Cost for 30.48 Rmt					71827.35			
		Add 10% for sub mountainous region								534.26
		Labour for 30.48 Rmt								5876.86
		Cost for 30.48 Rmt								72361.61

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.	Cum.	0.099	425.47	42.12				
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.139	734.64	102.11				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.076	425.47	32.34				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	0.742	44.52	33.03				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	7.8200	289.03	2260.21				
vii		Form Work								
		Total - II				2513.44				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 2513.44				75.40				
		Add contractor's profit @ 21.50% i.e. on Rs. 2588.84				556.60				
		Add Labour cess @ 1% i.e. on Rs. 3145.44				31.45				
		Labour for 1.00 Rmt				3176.89				
		Labour for 30.48 Rmt				3176.89	3176.89			3176.89
		Cost for 30.48 Rmt					42973.34			
		Add 10% for sub mountainous region								317.69
		Labour for 30.48 Rmt								3494.58
		Cost for 30.48 Rmt								43291.03

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
b		33" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.179	1683.63	301.37		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.107	2445.08	261.62		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.148	2485.08	367.79		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.080	1920.54	153.64		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	0.815	49.22	40.11		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	8.3690	4312.78	36093.66		
		Total - I					37218.19			
		Sundries @ 3% i.e. on Rs. 37218.19					1116.55			
		Add contractor's profit @ 10% i.e. on Rs. 38334.74					3833.47			
		Add Labour cess @ 1% i.e. on Rs. 42168.21					421.68			
		Material cost for	1.00	Rmt			42589.89			
		Material cost for	30.48	Rmt			42589.89	42589.89		42589.89
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.179	261.25	46.76		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.107	425.47	45.53		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.148	734.64	108.73				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.080	425.47	34.04				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	0.815	44.52	36.28				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	8.3690	289.03	2418.89				
vii		Form Work								
		Total - II				2690.23				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 2690.23				80.71				
		Add contractor's profit @ 21.50% i.e. on Rs. 2770.94				595.75				
		Add Labour cess @ 1% i.e. on Rs. 3366.69				33.67				
		Labour for 1.00 Rmt				3400.36				
		Labour for 30.48 Rmt				3400.36	3400.36			3400.36
		Cost for 30.48 Rmt					45990.25			
		Add 10% for sub mountainous region								340.04
		Labour for 30.48 Rmt								3740.40
		Cost for 30.48 Rmt								46330.29

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
c		36" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.201	1683.63	338.41		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.115	2445.08	281.18		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.193	2485.08	479.62		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.085	1920.54	163.25		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	0.888	49.22	43.71		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	8.9630	4312.78	38655.45		
		Total - I					39961.62			
		Sundries @ 3% i.e. on Rs. 39961.62					1198.85			
		Add contractor's profit @ 10% i.e. on Rs. 41160.47					4116.05			
		Add Labour cess @ 1% i.e. on Rs. 45276.52					452.77			
		Material cost for	1.00	Rmt			45729.29			
		Material cost for	30.48	Rmt			45729.29	45729.29		45729.29
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.201	261.25	52.51		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.115	425.47	48.93		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.193	734.64	141.79				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.085	425.47	36.16				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	0.888	44.52	39.53				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	8.9630	289.03	2590.58				
vii		Form Work								
		Total - II				2909.50				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 2909.5				87.29				
		Add contractor's profit @ 21.50% i.e. on Rs. 2996.79				644.31				
		Add Labour cess @ 1% i.e. on Rs. 3641.1				36.41				
		Labour for 1.00 Rmt				3677.51				
		Labour for 30.48 Rmt				3677.51	3677.51			3677.51
		Cost for 30.48 Rmt					49406.80			
		Add 10% for sub mountainous region								367.75
		Labour for 30.48 Rmt								4045.26
		Cost for 30.48 Rmt								49774.55

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
d		39" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.215	1683.63	361.98		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.124	2445.08	303.19		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.204	2485.08	506.96		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.091	1920.54	174.77		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	0.960	49.22	47.25		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	9.5120	4312.78	41023.16		
		Total - I					42417.31			
		Sundries @ 3% i.e. on Rs. 42417.31					1272.52			
		Add contractor's profit @ 10% i.e. on Rs. 43689.83					4368.98			
		Add Labour cess @ 1% i.e. on Rs. 48058.81					480.59			
		Material cost for	1.00	Rmt			48539.40			
		Material cost for	30.48	Rmt			48539.40	48539.40		48539.40
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.215	261.25	56.17		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.124	425.47	52.76		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.204	734.64	149.87				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.091	425.47	38.72				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	0.960	44.52	42.74				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	9.5120	289.03	2749.25				
vii		Form Work								
		Total - II				3089.51				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 3089.51				92.69				
		Add contractor's profit @ 21.50% i.e. on Rs. 3182.2				684.17				
		Add Labour cess @ 1% i.e. on Rs. 3866.37				38.66				
		Labour for 1.00 Rmt				3905.03				
		Labour for 30.48 Rmt				3905.03	3905.03			3905.03
		Cost for 30.48 Rmt					52444.43			
		Add 10% for sub mountainous region								390.50
		Labour for 30.48 Rmt								4295.53
		Cost for 30.48 Rmt								52834.93

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
e		42" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.229	1683.63	385.55		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.132	2445.08	322.75		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.215	2485.08	534.29		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.095	1920.54	182.45		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.034	49.22	50.89		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	10.0610	4312.78	43390.88		
		Total - I					44866.81			
		Sundries @ 3% i.e. on Rs. 44866.81					1346.00			
		Add contractor's profit @ 10% i.e. on Rs. 46212.81					4621.28			
		Add Labour cess @ 1% i.e. on Rs. 50834.09					508.34			
		Material cost for	1.00	Rmt			51342.43			
		Material cost for	30.48	Rmt			51342.43	51342.43		51342.43
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.229	261.25	59.83		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.132	425.47	56.16		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.215	734.64	157.95				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.095	425.47	40.42				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.034	44.52	46.03				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	10.0610	289.03	2907.93				
vii		Form Work								
		Total - II				3268.32				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 3268.32				98.05				
		Add contractor's profit @ 21.50% i.e. on Rs. 3366.37				723.77				
		Add Labour cess @ 1% i.e. on Rs. 4090.14				40.90				
		Labour for 1.00 Rmt				4131.04				
		Labour for 30.48 Rmt				4131.04	4131.04			4131.04
		Cost for 30.48 Rmt					55473.47			
		Add 10% for sub mountainous region								413.10
		Labour for 30.48 Rmt								4544.14
		Cost for 30.48 Rmt								55886.57

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
f		45" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.243	1683.63	409.12		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.140	2445.08	342.31		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.226	2485.08	561.63		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.099	1920.54	190.13		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.107	49.22	54.49		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	12.6400	4312.78	54513.54		
		Total - I					56071.22			
		Sundries @ 3% i.e. on Rs. 56071.22					1682.14			
		Add contractor's profit @ 10% i.e. on Rs. 57753.36					5775.34			
		Add Labour cess @ 1% i.e. on Rs. 63528.7					635.29			
		Material cost for	1.00	Rmt			64163.99			
		Material cost for	30.48	Rmt			64163.99	64163.99		64163.99
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.243	261.25	63.48		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.140	425.47	59.57		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.226	734.64	166.03				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.099	425.47	42.12				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.107	44.52	49.28				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	12.6400	289.03	3653.34				
vii		Form Work								
		Total - II				4033.82				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 4033.82				121.01				
		Add contractor's profit @ 21.50% i.e. on Rs. 4154.83				893.29				
		Add Labour cess @ 1% i.e. on Rs. 5048.12				50.48				
		Labour for 1.00 Rmt				5098.60				
		Labour for 30.48 Rmt				5098.60	5098.60			5098.60
		Cost for 30.48 Rmt					69262.59			
		Add 10% for sub mountainous region								509.86
		Labour for 30.48 Rmt								5608.46
		Cost for 30.48 Rmt								69772.45

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
g		48" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.258	1683.63	434.38		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.149	2445.08	364.32		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.237	2485.08	588.96		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.104	1920.54	199.74		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.180	49.22	58.08		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	15.2880	4312.78	65933.78		
		Total - I					67579.26			
		Sundries @ 3% i.e. on Rs. 67579.26					2027.38			
		Add contractor's profit @ 10% i.e. on Rs. 69606.64					6960.66			
		Add Labour cess @ 1% i.e. on Rs. 76567.3					765.67			
		Material cost for	1.00	Rmt			77332.97			
		Material cost for	30.48	Rmt			77332.97	77332.97		77332.97
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.258	261.25	67.40		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.149	425.47	63.40		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.237	734.64	174.11				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.104	425.47	44.25				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.180	44.52	52.53				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	15.2880	289.03	4418.69				
vii		Form Work								
		Total - II				4820.38				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 4820.38				144.61				
		Add contractor's profit @ 21.50% i.e. on Rs. 4964.99				1067.47				
		Add Labour cess @ 1% i.e. on Rs. 6032.46				60.32				
		Labour for 1.00 Rmt				6092.78				
		Labour for 30.48 Rmt				6092.78	6092.78			6092.78
		Cost for 30.48 Rmt					83425.75			
		Add 10% for sub mountainous region								609.28
		Labour for 30.48 Rmt								6702.06
		Cost for 30.48 Rmt								84035.03

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
h		51" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.273	1683.63	459.63		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.157	2445.08	383.88		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.248	2485.08	616.30		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.108	1920.54	207.42		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.253	49.22	61.67		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	16.0400	4312.78	69176.99		
		Total - I					70905.89			
		Sundries @ 3% i.e. on Rs. 70905.89					2127.18			
		Add contractor's profit @ 10% i.e. on Rs. 73033.07					7303.31			
		Add Labour cess @ 1% i.e. on Rs. 80336.38					803.36			
		Material cost for	1.00	Rmt			81139.74			
		Material cost for	30.48	Rmt			81139.74	81139.74		81139.74
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.273	261.25	71.32		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.157	425.47	66.80		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.248	734.64	182.19				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.108	425.47	45.95				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.253	44.52	55.78				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	16.0400	289.03	4636.04				
vii		Form Work								
		Total - II				5058.08				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 5058.08				151.74				
		Add contractor's profit @ 21.50% i.e. on Rs. 5209.82				1120.11				
		Add Labour cess @ 1% i.e. on Rs. 6329.93				63.30				
		Labour for 1.00 Rmt				6393.23				
		Labour for 30.48 Rmt				6393.23	6393.23			6393.23
		Cost for 30.48 Rmt					87532.97			
		Add 10% for sub mountainous region								639.32
		Labour for 30.48 Rmt								7032.55
		Cost for 30.48 Rmt								88172.29

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
i		54" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.289	1683.63	486.57		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.165	2445.08	403.44		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.259	2485.08	643.64		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.112	1920.54	215.10		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.326	49.22	65.27		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	16.7920	4312.78	72420.20		
		Total - I					74234.22			
		Sundries @ 3% i.e. on Rs. 74234.22					2227.03			
		Add contractor's profit @ 10% i.e. on Rs. 76461.25					7646.13			
		Add Labour cess @ 1% i.e. on Rs. 84107.38					841.07			
		Material cost for	1.00	Rmt			84948.45			
		Material cost for	30.48	Rmt			84948.45	84948.45		84948.45
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.289	261.25	75.50		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.165	425.47	70.20		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.259	734.64	190.27				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.112	425.47	47.65				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.326	44.52	59.03				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	16.7920	289.03	4853.39				
vii		Form Work								
		Total - II				5296.04				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 5296.04				158.88				
		Add contractor's profit @ 21.50% i.e. on Rs. 5454.92				1172.81				
		Add Labour cess @ 1% i.e. on Rs. 6627.73				66.28				
		Labour for 1.00 Rmt				6694.01				
		Labour for 30.48 Rmt				6694.01	6694.01			6694.01
		Cost for 30.48 Rmt					91642.46			
		Add 10% for sub mountainous region								669.40
		Labour for 30.48 Rmt								7363.41
		Cost for 30.48 Rmt								92311.86

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
j		57" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.305	1683.63	513.51		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.174	2445.08	425.44		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.271	2485.08	673.46		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.116	1920.54	222.78		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.399	49.22	68.86		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	17.5430	4312.78	75659.10		
		Total - I					77563.15			
		Sundries @ 3% i.e. on Rs. 77563.15					2326.89			
		Add contractor's profit @ 10% i.e. on Rs. 79890.04					7989.00			
		Add Labour cess @ 1% i.e. on Rs. 87879.04					878.79			
		Material cost for	1.00	Rmt			88757.83			
		Material cost for	30.48	Rmt			88757.83	88757.83		88757.83
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.305	261.25	79.68		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.174	425.47	74.03		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.271	734.64	199.09				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.116	425.47	49.35				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.399	44.52	62.28				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	17.5430	289.03	5070.45				
vii		Form Work								
		Total - II				5534.88				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 5534.88				166.05				
		Add contractor's profit @ 21.50% i.e. on Rs. 5700.93				1225.70				
		Add Labour cess @ 1% i.e. on Rs. 6926.63				69.27				
		Labour for 1.00 Rmt				6995.90				
		Labour for 30.48 Rmt				6995.90	6995.90			6995.90
		Cost for 30.48 Rmt					95753.73			
		Add 10% for sub mountainous region								699.59
		Labour for 30.48 Rmt								7695.49
		Cost for 30.48 Rmt								96453.32

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
k		60" i/d P.T. sewer								
		Unit :-	30.48	Rmt						
		Taking Output :-	1	Rmt						
I		Material								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.321	1683.63	540.45		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.182	2445.08	445.00		
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.			Cum.	0.282	2485.08	700.79		
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum			Cum.	0.120	1920.54	230.46		
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)			Sqm.	1.472	49.22	72.45		
vi		Steel (Rate as per CSR item 18.18)			Qtl.	18.2950	4312.78	78902.31		
		Total - I					80891.46			
		Sundries @ 3% i.e. on Rs. 80891.46					2426.74			
		Add contractor's profit @ 10% i.e. on Rs. 83318.2					8331.82			
		Add Labour cess @ 1% i.e. on Rs. 91650.02					916.50			
		Material cost for	1.00	Rmt			92566.52			
		Material cost for	30.48	Rmt			92566.52	92566.52		92566.52
II		Labour								
i		Cement concrete 1:2:4 (Rate as per CSR item 10.11) 1*57.75/12*30.38/12 = 12.184 Cft (-) 1*22/7*(48.75/12)2*1/4*1/2 = 6.484 Cft (-) Triangular Portion 1*2*15.75*15.75*0.50/12*12 = 1.723 Cft Net = 12.184 - 8.207 = 3.977 Cft Or 0.113 Cum.			Cum.	0.321	261.25	83.86		
ii		Brick Work 1:2 (Inner Ring) (Rate as per CSR item 11.11) 1*22/7*35.50*9/12*24 = 3.487 Cft. Or 0.999 Cum.			Cum.	0.182	425.47	77.44		

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
iii		RCC M-20 (Ring) (Rate as per CSR item 10.15) 1*22/7*44.375*4.375/12*12 = 4.237 Cft. Or 0.120 Cum.	Cum.	0.282	734.64	207.17				
iv		Brick Work 1:5 (Outer Ring) (Rate as per CSR item 11.6) 1*22/7*53.25*0.50*9/24*12 = 2.615 Cft. Or 0.074 Cum	Cum.	0.120	425.47	51.06				
v		10mm Cement Plaster 1:2 with rendering (Rate as per CSR item 15.CSR 15.4+15.41)	Sqm.	1.472	44.52	65.53				
vi		Steel (Rate as per CSR item 18.18)	Qtl.	18.2950	289.03	5287.80				
vii		Form Work								
		Total - II				5772.86				
		Sundries such as Water Charges, scaffolding, T & P etc. @ 3% i.e. on Rs. 5772.86				173.19				
		Add contractor's profit @ 21.50% i.e. on Rs. 5946.05				1278.40				
		Add Labour cess @ 1% i.e. on Rs. 7224.45				72.24				
		Labour for 1.00 Rmt				7296.69				
		Labour for 30.48 Rmt				7296.69	7296.69			7296.69
		Cost for 30.48 Rmt					99863.21			
		Add 10% for sub mountainous region								729.67
		Labour for 30.48 Rmt								8026.36
		Cost for 30.48 Rmt								100592.88