

RESEARCH LAB.PB.PWD.B&R BR. PATIALA

Secy.to Punjab Govt.,PWD(B&R-1 Branch) no.4/2/08-BR1(1)/1740 Dt. 10.05.2010
received through Chief Engineer,/CVO-cum Director,QCC,Chandigarh's memo
No.(70/QCC/95) 1149 Dt. 20.05.10.

Approved rate list for various tests Research lab. Pb. PWD B&R br. Patiala

S.No	Name of test	Amount (Rs)
SOIL SECTION		
1.	Bearing capacity of soil of building site by SPT upto15mt below NSL a) for Two No.bore holes b) for three no. bore holes	10000.00 14000.00 Labour& boring charges extra
2.	Bearing capacity of soil for multystorey buildings and bridges on the basis of SPT in three no. bore holes upto30m below NSL	25000.00 Labour& boring charges extra.
3	Benkelman beam def. test a) For one Km. b) Min. charges for per Job	2500.00 10000.00
4	CBR of soil ,field density and moisture contents per sample (Sample collection charges extra)	500.00
5	Checking of suitability of soil for the embankments/sub grade(OMC,MDD & PI)	1700.00
6	Checking of suitability of GSB/soil materials- gradation,CBR,OMC& MDD & PI & LL	2000.00
7	Sieve analysis of soil sample	500.00
8	Moisture contents of soil sample	200.00
9	Atterberg limits test of soil sample	500.00
10	Unconfined compression test	1000.00
11	Direct Shear Test	1000.00
AGGREGATE SECTION		
1	Checking F.M. of fine aggregate sample	300.00
2	Bulking of fine aggregate sample	300.00
3	Specific gravity and water absorption	400.00
4	Gradation test for coarse aggregate	500.00
5	Abrasion Test for Coarse aggregate	500.00
6	Aggregate Impact Value Test	300.00
7	Shape Test for coarse aggregate (Flakiness & elongation)	1000.00
8	Gradation Test for GSB	500.00

CEMENT & CONCRETE SECTION			
1	Compressive Strength of cement: a) 7-days compressive stg. b) 28-days comp. stg.	1000.00 1200.00	
2	Initial & final setting time and consistency	500.00	
3	Sp.gravity of cement	500.00	
4	Soundness Test of cement	200.00	
5	Fineness Test	200.00	
6	Compressive strength of concrete cubes already cast by the client department for three no. cubes	300.00	
7	Concrete Mix design	5000.00	
8	Cross checking of Concrete Mix Design	2500.00	
BITUMEN SECTION			
1	Penetration test	400.00	
2	Ductility test	400.00	
3	Softening point test	400.00	
4	Stripping value test	500.00	
5	Flash & Fire point Test	200.00	
6	Viscosity test	800.00	
7	Checking of bitumen contents	2000.00	
8	Mix design for Wet Mix Macadam	3000.00	
9	Mix Design for Bituminous Mixes (Marshall stability test)	7500.00	
10	Mix Design for BM mixes	5000.00	
BRICKS			
1	Compression stg. water absorption and efflorescence test	1000.00	
2	Paver blocks-Compressive strength (Set of Five)	500.00 750.00 (with area calculation)	
S. No.	Name of test	Proposed rates by Research Lab.B&RBr.Patiala	Remarks
1	Roughness Index with Bump integrator	Rs.3000/- per km	1.All the necessary arrangements such as transportation of Testing equipment and Technical staff from Lab.to at site and back to Lab,Labourers, if required shall be provided by the client .2. Toe vehicle for Bump integrator shall be arranged by client.
2	Sub-grade testing by Dynamic cone penetrometer	Rs.500/- per sample	
3	Concrete testing by Rebound hammer test	Rs.2500/-per location (subject to min.5 location)	
4	Levelling by Dumpy level	Rs.1500/-per km of road	
5	Survey by total station	Rs.30,000 per km for road (considering 60m.row)/- per km of road	
6	Diamond Core Cutter	Rs. 5000/- Per sample (Set of 3 No. Core) including taking of Core from site, capping and testing) subject to minimum charges of Rs. 15000/-per day	1.All the necessary arrangements such as transportation of Testing equipment and Technical staff

			<p>from Lab.to at site and back to Lab. shall be provided by the client .</p> <p>2. Generator set during the operation of core cutting machine at site shall be arranged by client.</p>
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