

Chapter No. 25
Maintenance of Canals & Drains

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|---------|--|-----|-------|------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 25.1 | Clearance of weed, jalla, deela etc manually from inner section of unlined channel | | | | | | | | | | |
| (a) | Unlined (heavy growth) | | | | | | | | | | |
| (i) | discharge upto 0.42 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking Output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 1.75 | 136.69 | 239.21 | | | | |
| | TOTAL-I | | | | | | 239.21 | | | | |
| | Sundries @ 1% i.e. on Rs. 239.21 | | | | | | 2.39 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 241.6 | | | | | | 51.94 | | | | |
| | Labour cess @ 1% i.e. on Rs. 293.55 | | | | | | 2.94 | | | | |
| | Labour for | 100 | ft. | | | | 296.48 | | | | |
| | Labour for | 1 | ft. | | | | 2.96 | 2.96 | 2.96 | 2.96 | 2.96 |
| | Labour for | 1 | metre | | | | | 9.73 | | | 9.73 |
| (ii) | discharge exceeding 0.42 but upto 1.42 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 2.5 | 136.69 | 341.73 | | | | |
| | TOTAL-I | | | | | | 341.73 | | | | |
| | Sundries @ 1% i.e. on Rs. 341.73 | | | | | | 3.42 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 345.14 | | | | | | 74.21 | | | | |
| | Labour cess @ 1% i.e. on Rs. 419.35 | | | | | | 4.19 | | | | |
| | Labour for | 100 | ft. | | | | 423.54 | | | | |
| | Labour for | 1 | ft. | | | | 4.24 | 4.24 | 4.24 | 4.24 | 4.24 |
| | Labour for | 1 | metre | | | | | 13.90 | | | 13.90 |
| (iii) | discharge exceeding 1.42 but upto 2.83 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking Output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 3.50 | 136.69 | 478.42 | | | | |
| | TOTAL-I | | | | | | 478.42 | | | | |
| | Sundries @ 1% i.e. on Rs. 478.42 | | | | | | 4.78 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 483.2 | | | | | | 103.89 | | | | |
| | Labour cess @ 1% i.e. on Rs. 587.09 | | | | | | 5.87 | | | | |
| | Labour for | 100 | ft. | | | | 592.96 | | | | |
| | Labour for | 1 | ft. | | | | 5.93 | 5.93 | 5.93 | 5.93 | 5.93 |
| | Labour for | 1 | metre | | | | | 19.45 | | | 19.45 |

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|----------|---|-----|-------|----------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| (iv) | discharge exceeding 2.83 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking Output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 4.50 | 136.69 | 615.11 | | | | |
| | TOTAL-I | | | | | | 615.11 | | | | |
| | Sundries @ 1% i.e. on Rs. 615.11 | | | | | | 6.15 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 621.26 | | | | | | 133.57 | | | | |
| | Labour cess @ 1% i.e. on Rs. 754.83 | | | | | | 7.55 | | | | |
| | Labour for | 100 | ft. | | | | 762.37 | | | | |
| | Labour for | 1 | ft. | | | | 7.62 | | 7.62 | | 7.62 |
| | Labour for | 1 | metre | | | | | 25.01 | | | 25.01 |
| (b) | Unlined (medium growth) | | | | | | | | | | |
| (i) | discharge upto 0.42 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 1.40 | 136.69 | 191.37 | | | | |
| | TOTAL-I | | | | | | 191.37 | | | | |
| | Sundries @ 1% i.e. on Rs. 191.37 | | | | | | 1.91 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 193.28 | | | | | | 41.56 | | | | |
| | Labour cess @ 1% i.e. on Rs. 234.83 | | | | | | 2.35 | | | | |
| | Labour for | 100 | ft. | | | | 237.18 | | | | |
| | Labour for | 1 | ft. | | | | 2.37 | | 2.37 | | 2.37 |
| | Labour for | 1 | metre | | | | | 7.78 | | | 7.78 |
| (ii) | discharge exceeding 0.42 but upto 1.42 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 2 | 136.69 | 273.38 | | | | |
| | TOTAL-I | | | | | | 273.38 | | | | |
| | Sundries @ 1% i.e. on Rs. 273.38 | | | | | | 2.73 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 276.11 | | | | | | 59.36 | | | | |
| | Labour cess @ 1% i.e. on Rs. 335.48 | | | | | | 3.35 | | | | |
| | Labour for | 100 | ft. | | | | 338.83 | | | | |
| | Labour for | 1 | ft. | | | | 3.39 | | 3.39 | | 3.39 |
| | Labour for | 1 | metre | | | | | 11.12 | | | 11.12 |

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|----------|---|-----|-------|----------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| (iii) | discharge exceeding 1.42 but upto 2.83 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 2.8 | 136.69 | 382.73 | | | | |
| | TOTAL-I | | | | | | 382.73 | | | | |
| | Sundries @ 1% i.e. on Rs. 382.73 | | | | | | 3.83 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 386.56 | | | | | | 83.11 | | | | |
| | Labour cess @ 1% i.e. on Rs. 469.67 | | | | | | 4.70 | | | | |
| | Labour for | 100 | ft. | | | | 474.37 | | | | |
| | Labour for | 1 | ft. | | | | 4.74 | 4.74 | 4.74 | | 4.74 |
| | Labour for | 1 | metre | | | | | 15.56 | | | 15.56 |
| (iv) | discharge exceeding 2.83 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 3.6 | 136.69 | 492.08 | | | | |
| | TOTAL-I | | | | | | 492.08 | | | | |
| | Sundries @ 1% i.e. on Rs. 492.08 | | | | | | 4.92 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 497 | | | | | | 106.86 | | | | |
| | Labour cess @ 1% i.e. on Rs. 603.86 | | | | | | 6.04 | | | | |
| | Labour for | 100 | ft. | | | | 609.90 | | | | |
| | Labour for | 1 | ft. | | | | 6.10 | 6.10 | 6.10 | | 6.10 |
| | Labour for | 1 | metre | | | | | 20.01 | | | 20.01 |
| (c) | Unlined (Light growth) | | | | | | | | | | |
| (i) | discharge upto 0.42 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 1.23 | 136.69 | 168.13 | | | | |
| | TOTAL-I | | | | | | 168.13 | | | | |
| | Sundries @ 1% i.e. on Rs. 168.13 | | | | | | 1.68 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 169.81 | | | | | | 36.51 | | | | |
| | Labour cess @ 1% i.e. on Rs. 206.32 | | | | | | 2.06 | | | | |
| | Labour for | 100 | ft. | | | | 208.38 | | | | |
| | Labour for | 1 | ft. | | | | 2.08 | 2.08 | 2.08 | | 2.08 |
| | Labour for | 1 | metre | | | | | 6.84 | | | 6.84 |

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|----------|---|-----|-------|----------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| (ii) | discharge exceeding 0.42 but upto 1.42 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 1.75 | 136.69 | 239.21 | | | | |
| | TOTAL-I | | | | | | 239.21 | | | | |
| | Sundries @ 1% i.e. on Rs. 239.21 | | | | | | 2.39 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 241.6 | | | | | | 51.94 | | | | |
| | Labour cess @ 1% i.e. on Rs. 293.54 | | | | | | 2.94 | | | | |
| | Labour for | 100 | ft. | | | | 296.48 | | | | |
| | Labour for | 1 | ft. | | | | 2.96 | 2.96 | | 2.96 | 2.96 |
| | Labour for | 1 | metre | | | | | 9.73 | | | 9.73 |
| (iii) | discharge exceeding 1.42 but upto 2.83 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 2.45 | 136.69 | 334.89 | | | | |
| | TOTAL-I | | | | | | 334.89 | | | | |
| | Sundries @ 1% i.e. on Rs. 334.89 | | | | | | 3.35 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 338.24 | | | | | | 72.72 | | | | |
| | Labour cess @ 1% i.e. on Rs. 410.96 | | | | | | 4.11 | | | | |
| | Labour for | 100 | ft. | | | | 415.07 | | | | |
| | Labour for | 1 | ft. | | | | 4.15 | 4.15 | | 4.15 | 4.15 |
| | Labour for | 1 | metre | | | | | 13.62 | | | 13.62 |
| (iv) | discharge exceeding 2.83 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 3.15 | 136.69 | 430.57 | | | | |
| | TOTAL-I | | | | | | 430.57 | | | | |
| | Sundries @ 1% i.e. on Rs. 430.57 | | | | | | 4.31 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 434.88 | | | | | | 93.50 | | | | |
| | Labour cess @ 1% i.e. on Rs. 528.38 | | | | | | 5.28 | | | | |
| | Labour for | 100 | ft. | | | | 533.66 | | | | |
| | Labour for | 1 | ft. | | | | 5.34 | 5.34 | | 5.34 | 5.34 |
| | Labour for | 1 | metre | | | | | 17.51 | | | 17.51 |

Note: 1) Man days are taken as per actual progress assessed by the committee of Engineers constituted by Chief Engineer, Canals.
2) In case of heavy weed, jalla, deela etc growth category, concerned SDO and Executive Engineer will certify after physical verification.
3) In case of medium and light weed, jalla, deela etc growth category, concerned SDO will certify after physical verification and concerned Executive Engineer will also certify after satisfying himself.
4) The rate includes the proper disposal of weed, jalla, deela etc. also.

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|---------|---|---------------|-----|-------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 25.2 | Clearance of weed, jalla, deela, sarkanda, jungle, butti, dhora, silts etc manually from inner section of lined channel | | | | | | | | | | |
| (a) | lined (heavy growth) | | | | | | | | | | |
| (i) | discharge upto 0.283 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | | Taking output | 100 | ft. | | | | | | | |
| (i) | Mazdoors | | | Each | 1.64 | 136.69 | 224.17 | | | | |
| | TOTAL-I | | | | | | 224.17 | | | | |
| | Sundries @ 1% i.e. on Rs. 224.17 | | | | | | 2.24 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 226.41 | | | | | | 48.68 | | | | |
| | Labour cess @ 1% i.e. on Rs. 275.09 | | | | | | 2.75 | | | | |
| | | Labour for | 100 | ft. | | | 277.84 | | | | |
| | | Labour for | 1 | ft. | | | 2.78 | 2.78 | | 2.78 | 2.78 |
| | | Labour for | 1 | metre | | | | 9.12 | | | 9.12 |
| (ii) | discharge exceeding 0.283 but upto 1.42 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | | Taking output | 100 | ft. | | | | | | | |
| (i) | Mazdoors | | | Each | 2.47 | 136.69 | 337.62 | | | | |
| | TOTAL-I | | | | | | 337.62 | | | | |
| | Sundries @ 1% i.e. on Rs. 337.62 | | | | | | 3.38 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 341 | | | | | | 73.32 | | | | |
| | Labour cess @ 1% i.e. on Rs. 414.32 | | | | | | 4.14 | | | | |
| | | Labour for | 100 | ft. | | | 418.46 | | | | |
| | | Labour for | 1 | ft. | | | 4.18 | 4.18 | | 4.18 | 4.18 |
| | | Labour for | 1 | metre | | | | 13.73 | | | 13.73 |
| (iii) | discharge exceeding 1.42 but upto 2.83 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | | Taking output | 100 | ft. | | | | | | | |
| (i) | Mazdoors | | | Each | 3.29 | 136.69 | 449.71 | | | | |
| | TOTAL-I | | | | | | 449.71 | | | | |
| | Sundries @ 1% i.e. on Rs. 449.71 | | | | | | 4.50 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 454.21 | | | | | | 97.65 | | | | |
| | Labour cess @ 1% i.e. on Rs. 551.86 | | | | | | 5.52 | | | | |
| | | Labour for | 100 | ft. | | | 557.38 | | | | |
| | | Labour for | 1 | ft. | | | 5.57 | 5.57 | | 5.57 | 5.57 |
| | | Labour for | 1 | metre | | | | 18.29 | | | 18.29 |

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|----------|---|-----|-------|----------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| (iv) | discharge exceeding 2.83 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 4.11 | 136.69 | 561.80 | | | | |
| | TOTAL-I | | | | | | 561.80 | | | | |
| | Sundries @ 1% i.e. on Rs. 561.8 | | | | | | 5.62 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 567.41 | | | | | | 121.99 | | | | |
| | Labour cess @ 1% i.e. on Rs. 689.41 | | | | | | 6.89 | | | | |
| | | | | | | | 696.30 | | | | |
| | Labour for | 100 | ft. | | | | 6.96 | 6.96 | | 6.96 | 6.96 |
| | Labour for | 1 | ft. | | | | | | | | |
| | Labour for | 1 | metre | | | | | 22.84 | | | 22.84 |
| (b) | Lined (medium growth) | | | | | | | | | | |
| (i) | discharge upto 0.283 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 1.23 | 136.69 | 168.13 | | | | |
| | TOTAL-I | | | | | | 168.13 | | | | |
| | Sundries @ 1% i.e. on Rs. 168.13 | | | | | | 1.68 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 169.81 | | | | | | 36.51 | | | | |
| | Labour cess @ 1% i.e. on Rs. 206.32 | | | | | | 2.06 | | | | |
| | | | | | | | 208.38 | | | | |
| | Labour for | 100 | ft. | | | | 2.08 | 2.08 | | 2.08 | 2.08 |
| | Labour for | 1 | ft. | | | | | | | | |
| | Labour for | 1 | metre | | | | | 6.84 | | | 6.84 |
| (ii) | discharge exceeding 0.283 but upto 1.42 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 1.85 | 136.69 | 252.88 | | | | |
| | TOTAL-I | | | | | | 252.88 | | | | |
| | Sundries @ 1% i.e. on Rs. 252.88 | | | | | | 2.53 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 255.41 | | | | | | 54.91 | | | | |
| | Labour cess @ 1% i.e. on Rs. 310.32 | | | | | | 3.10 | | | | |
| | | | | | | | 313.42 | | | | |
| | Labour for | 100 | ft. | | | | 3.13 | 3.13 | | 3.13 | 3.13 |
| | Labour for | 1 | ft. | | | | | | | | |
| | Labour for | 1 | metre | | | | | 10.28 | | | 10.28 |

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|----------|---|-----|-------|----------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| (iii) | discharge exceeding 1.42 but upto 2.83 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 2.47 | 136.69 | 337.62 | | | | |
| | TOTAL-I | | | | | | 337.62 | | | | |
| | Sundries @ 1% i.e. on Rs. 337.62 | | | | | | 3.38 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 341 | | | | | | 73.32 | | | | |
| | Labour cess @ 1% i.e. on Rs. 414.32 | | | | | | 4.14 | | | | |
| | Labour for | 100 | ft. | | | | 418.46 | | | | |
| | Labour for | 1 | ft. | | | | 4.18 | | 4.18 | | 4.18 |
| | Labour for | 1 | metre | | | | | 13.73 | | | 13.73 |
| (iv) | discharge exceeding 2.83 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 3.09 | 136.69 | 422.37 | | | | |
| | TOTAL-I | | | | | | 422.37 | | | | |
| | Sundries @ 1% i.e. on Rs. 422.37 | | | | | | 4.22 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 426.6 | | | | | | 91.72 | | | | |
| | Labour cess @ 1% i.e. on Rs. 518.31 | | | | | | 5.18 | | | | |
| | Labour for | 100 | ft. | | | | 523.50 | | | | |
| | Labour for | 1 | ft. | | | | 5.23 | 5.23 | 5.23 | | 5.23 |
| | Labour for | 1 | metre | | | | | 17.18 | | | 17.18 |
| (c) | lined (Light growth) | | | | | | | | | | |
| (i) | discharge upto 0.283 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 0.82 | 136.69 | 112.09 | | | | |
| | TOTAL-I | | | | | | 112.09 | | | | |
| | Sundries @ 1% i.e. on Rs. 112.09 | | | | | | 1.12 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 113.21 | | | | | | 24.34 | | | | |
| | Labour cess @ 1% i.e. on Rs. 137.55 | | | | | | 1.38 | | | | |
| | Labour for | 100 | ft. | | | | 138.92 | | | | |
| | Labour for | 1 | ft. | | | | 1.39 | 1.39 | 1.39 | | 1.39 |
| | Labour for | 1 | metre | | | | | 4.56 | | | 4.56 |

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|----------|---|-----|-------|----------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| (ii) | discharge exceeding 0.283 but upto 1.42 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 1.23 | 136.69 | 168.13 | | | | |
| | TOTAL-I | | | | | | 168.13 | | | | |
| | Sundries @ 1% i.e. on Rs. 168.13 | | | | | | 1.68 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 169.81 | | | | | | 36.51 | | | | |
| | Labour cess @ 1% i.e. on Rs. 206.32 | | | | | | 2.06 | | | | |
| | Labour for | 100 | ft. | | | | 208.38 | | | | |
| | Labour for | 1 | ft. | | | | 2.08 | 2.08 | 2.08 | | 2.08 |
| | Labour for | 1 | metre | | | | | 6.84 | | | 6.84 |
| (iii) | discharge exceeding 1.42 but upto 2.83 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 1.64 | 136.69 | 224.17 | | | | |
| | TOTAL-I | | | | | | 224.17 | | | | |
| | Sundries @ 1% i.e. on Rs. 224.17 | | | | | | 2.24 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 226.41 | | | | | | 48.68 | | | | |
| | Labour cess @ 1% i.e. on Rs. 275.09 | | | | | | 2.75 | | | | |
| | Labour for | 100 | ft. | | | | 277.84 | | | | |
| | Labour for | 1 | ft. | | | | 2.78 | 2.78 | 2.78 | | 2.78 |
| | Labour for | 1 | metre | | | | | 9.12 | | | 9.12 |
| (iv) | discharge exceeding 2.83 cumecs | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 100 | ft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 2.06 | 136.69 | 281.58 | | | | |
| | TOTAL-I | | | | | | 281.58 | | | | |
| | Sundries @ 1% i.e. on Rs. 281.58 | | | | | | 2.82 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 284.4 | | | | | | 61.15 | | | | |
| | Labour cess @ 1% i.e. on Rs. 345.54 | | | | | | 3.46 | | | | |
| | Labour for | 100 | ft. | | | | 349.00 | | | | |
| | Labour for | 1 | ft. | | | | 3.49 | 3.49 | 3.49 | | 3.49 |
| | Labour for | 1 | metre | | | | | 11.45 | | | 11.45 |

Note: 1) Man days are taken as per actual progress accessed by the committee of Engineers constituted by Chief Engineer, Canals.

- 2) In case of heavy weed, jalla, deela, sarkanda, jungle, butti, dhora, silts etc. growth category, concerned SDO and Executive Engineer will certify after physical verification.
- 3) In case of medium and light weed, jalla, deela, sarkanda, jungle, butti, dhora, silts etc growth category, concerned SDO will certify after physical verification and concerned Executive Engineer will also certify after satisfying himself.
- 4) The rate includes the proper disposal of weed, jalla, deela, sarkanda, jungle, butti, dhora, silts etc also.
- 5) Wherever there is no silt in the bed of the distributary/minor, rates should further be decreased by 40% of that of normal norms of weed, jalla, deela, sarkanda, jungle, butti, dhora etc. with silt.

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|--------------|---|------|-------|------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 25.3 | Clearing weed growth manually from different section of the drain | | | | | | | | | | |
| a (1) | Wet conditions (heavy) | | | | | | | | | | |
| (i) | Bed width less than 7.62 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 1000 | sqft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 2.68 | 136.69 | 366.33 | | | | |
| | TOTAL-I | | | | | | 366.33 | | | | |
| | Sundries @ 1% i.e. on Rs. 366.33 | | | | | | 3.66 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 369.99 | | | | | | 79.55 | | | | |
| | Labour cess @ 1% i.e. on Rs. 449.54 | | | | | | 4.50 | | | | |
| | Labour for | 1000 | sqft. | | | | 454.04 | | | | |
| | Labour for | 1 | sqft. | | | | 0.45 | 0.45 | | 0.45 | 0.45 |
| | Labour for | 1 | sqm | | | | | 4.89 | | | 4.89 |
| (ii) | Bed width 7.62 mtr to 15.24 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 1000 | sqft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 3.08 | 136.69 | 421.01 | | | | |
| | TOTAL-I | | | | | | 421.01 | | | | |
| | Sundries @ 1% i.e. on Rs. 421.01 | | | | | | 4.21 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 425.22 | | | | | | 91.42 | | | | |
| | Labour cess @ 1% i.e. on Rs. 516.64 | | | | | | 5.17 | | | | |
| | Labour for | 1000 | sqft. | | | | 521.80 | | | | |
| | Labour for | 1 | sqft. | | | | 0.52 | 0.52 | | 0.52 | 0.52 |
| | Labour for | 1 | sqm | | | | | 5.62 | | | 5.62 |
| (iii) | Bed width more than 15.24 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 1000 | sqft. | | | | | | | | |
| (i) | Mazdoors | | | Each | 4.00 | 136.69 | 546.76 | | | | |
| | TOTAL-I | | | | | | 546.76 | | | | |
| | Sundries @ 1% i.e. on Rs. 546.76 | | | | | | 5.47 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 552.23 | | | | | | 118.73 | | | | |
| | Labour cess @ 1% i.e. on Rs. 670.96 | | | | | | 6.71 | | | | |
| | Labour for | 1000 | sqft. | | | | 677.67 | | | | |
| | Labour for | 1 | sqft. | | | | 0.68 | 0.68 | | 0.68 | 0.68 |
| | Labour for | 1 | sqm | | | | | 7.29 | | | 7.29 |

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|---------|---|---------------|------|-------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| (2) | Wet conditions (medium) | | | | | | | | | | |
| (i) | Bed width less than 7.62 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | | Taking output | 1000 | sqft. | | | | | | | |
| (i) | Mazdoors | | | Each | 2.01 | 136.69 | 274.75 | | | | |
| | TOTAL-I | | | | | | 274.75 | | | | |
| | Sundries @ 1% i.e. on Rs. 274.75 | | | | | | 2.75 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 277.49 | | | | | | 59.66 | | | | |
| | Labour cess @ 1% i.e. on Rs. 337.16 | | | | | | 3.37 | | | | |
| | | Labour for | 1000 | sqft. | | | 340.53 | | | | |
| | | Labour for | 1 | sqft. | | | 0.34 | 0.34 | 0.34 | 0.34 | |
| | | Labour for | 1 | sqm | | | | 3.67 | | | 3.67 |
| (ii) | Bed width 7.62 mtr to 15.24 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | | Taking output | 1000 | sqft. | | | | | | | |
| | Mazdoors | | | Each | 2.31 | 136.69 | 315.75 | | | | |
| | TOTAL-I | | | | | | 315.75 | | | | |
| | Sundries @ 1% i.e. on Rs. 315.75 | | | | | | 3.16 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 318.91 | | | | | | 68.57 | | | | |
| | Labour cess @ 1% i.e. on Rs. 387.48 | | | | | | 3.87 | | | | |
| | | Labour for | 1000 | sqft. | | | 391.35 | | | | |
| | | Labour for | 1 | sqft. | | | 0.39 | 0.39 | 0.39 | 0.39 | |
| | | Labour for | 1 | sqm | | | | 4.21 | | | 4.21 |
| (iii) | Bed width more than 15.24 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | | Taking output | 1000 | sqft. | | | | | | | |
| | Mazdoors | | | Each | 3 | 136.69 | 410.07 | | | | |
| | TOTAL-I | | | | | | 410.07 | | | | |
| | Sundries @ 1% i.e. on Rs. 410.07 | | | | | | 4.10 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 414.17 | | | | | | 89.05 | | | | |
| | Labour cess @ 1% i.e. on Rs. 503.22 | | | | | | 5.03 | | | | |
| | | Labour for | 1000 | sqft. | | | 508.25 | | | | |
| | | Labour for | 1 | sqft. | | | 0.51 | 0.51 | 0.51 | 0.51 | |
| | | Labour for | 1 | sqm | | | | 5.47 | | | 5.47 |

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|--|---|------|-------|------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| (3) | Wet conditions (light) | | | | | | | | | | |
| (i) | Bed width less than 7.62 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 1000 | sqft. | | | | | | | | |
| | Mazdoors | | | Each | 1.34 | 136.69 | 183.16 | | | | |
| | TOTAL-I | | | | | | 183.16 | | | | |
| | Sundries @ 1% i.e. on Rs. 183.16 | | | | | | 1.83 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 185 | | | | | | 39.77 | | | | |
| | Labour cess @ 1% i.e. on Rs. 224.77 | | | | | | 2.25 | | | | |
| | Labour for | 1000 | sqft. | | | | 227.02 | | | | |
| | Labour for | 1 | sqft. | | | | 0.23 | 0.23 | 0.23 | 0.23 | |
| | Labour for | 1 | sqm | | | | | 2.44 | | | 2.44 |
| (ii) | Bed width 7.62 mtr to 15.24 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 1000 | sqft. | | | | | | | | |
| | Mazdoors | | | Each | 1.54 | 136.69 | 210.50 | | | | |
| | TOTAL-I | | | | | | 210.50 | | | | |
| | Sundries @ 1% i.e. on Rs. 210.5 | | | | | | 2.11 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 212.61 | | | | | | 45.71 | | | | |
| | Labour cess @ 1% i.e. on Rs. 258.32 | | | | | | 2.58 | | | | |
| | Labour for | 1000 | sqft. | | | | 260.90 | | | | |
| | Labour for | 1 | sqft. | | | | 0.26 | 0.26 | 0.26 | 0.26 | |
| | Labour for | 1 | sqm | | | | | 2.81 | | | 2.81 |
| (iii) | Bed width more than 15.24 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 1000 | sqft. | | | | | | | | |
| | Mazdoors | | | Each | 2 | 136.69 | 273.38 | | | | |
| | TOTAL-I | | | | | | 273.38 | | | | |
| | Sundries @ 1% i.e. on Rs. 273.38 | | | | | | 2.73 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 276.11 | | | | | | 59.36 | | | | |
| | Labour cess @ 1% i.e. on Rs. 335.48 | | | | | | 3.35 | | | | |
| | Labour for | 1000 | sqft. | | | | 338.83 | | | | |
| | Labour for | 1 | sqft. | | | | 0.34 | 0.34 | 0.34 | 0.34 | |
| | Labour for | 1 | sqm | | | | | 3.65 | | | 3.65 |
| Note: Where it is not possible to manually clear the section of any drain, machinery rates will be applicable. | | | | | | | | | | | |
| | | | | | | | | | | | |

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|---------|---|------|-------|------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| b(1) | Dry conditions (heavy) | | | | | | | | | | |
| (i) | Bed width less than 7.62 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 1000 | sqft. | | | | | | | | |
| | Mazdoors | | | Each | 1.45 | 136.69 | 198.20 | | | | |
| | TOTAL-I | | | | | | 198.20 | | | | |
| | Sundries @ 1% i.e. on Rs. 198.2 | | | | | | 1.98 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 200.18 | | | | | | 43.04 | | | | |
| | Labour cess @ 1% i.e. on Rs. 243.22 | | | | | | 2.43 | | | | |
| | Labour for | 1000 | sqft. | | | | 245.65 | | | | |
| | Labour for | 1 | sqft. | | | | 0.25 | 0.25 | 0.25 | 0.25 | |
| | Labour for | 1 | sqm | | | | | 2.64 | | | 2.64 |
| (ii) | Bed width 7.62 mtr to 15.24 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 1000 | sqft. | | | | | | | | |
| | Mazdoors | | | Each | 1.53 | 136.69 | 209.14 | | | | |
| | TOTAL-I | | | | | | 209.14 | | | | |
| | Sundries @ 1% i.e. on Rs. 209.14 | | | | | | 2.09 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 211.23 | | | | | | 45.41 | | | | |
| | Labour cess @ 1% i.e. on Rs. 256.64 | | | | | | 2.57 | | | | |
| | Labour for | 1000 | sqft. | | | | 259.21 | | | | |
| | Labour for | 1 | sqft. | | | | 0.26 | 0.26 | 0.26 | 0.26 | |
| | Labour for | 1 | sqm | | | | | 2.79 | | | 2.79 |
| (iii) | Bed width more than 15.24 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | Taking output | 1000 | sqft. | | | | | | | | |
| | Mazdoors | | | Each | 1.71 | 136.69 | 233.74 | | | | |
| | TOTAL-I | | | | | | 233.74 | | | | |
| | Sundries @ 1% i.e. on Rs. 233.74 | | | | | | 2.34 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 236.08 | | | | | | 50.76 | | | | |
| | Labour cess @ 1% i.e. on Rs. 286.83 | | | | | | 2.87 | | | | |
| | Labour for | 1000 | sqft. | | | | 289.70 | | | | |
| | Labour for | 1 | sqft. | | | | 0.29 | 0.29 | 0.29 | 0.29 | |
| | Labour for | 1 | sqm | | | | | 3.12 | | | 3.12 |

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|---------|---|---------------|------|-------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| (2) | Dry conditions (medium) | | | | | | | | | | |
| (i) | Bed width less than 7.62 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | | Taking output | 1000 | sqft. | | | | | | | |
| | Mazdoors | | | Each | 1.09 | 136.69 | 148.99 | | | | |
| | TOTAL-I | | | | | | 148.99 | | | | |
| | Sundries @ 1% i.e. on Rs. 148.99 | | | | | | 1.49 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 150.48 | | | | | | 32.35 | | | | |
| | Labour cess @ 1% i.e. on Rs. 182.84 | | | | | | 1.83 | | | | |
| | | Labour for | 1000 | sqft. | | | 184.66 | | | | |
| | | Labour for | 1 | sqft. | | | 0.18 | 0.18 | 0.18 | 0.18 | |
| | | Labour for | 1 | sqm | | | | 1.99 | | | 1.99 |
| (ii) | Bed width 7.62 mtr to 15.24 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | | Taking output | 1000 | sqft. | | | | | | | |
| | Mazdoors | | | Each | 1.15 | 136.69 | 157.19 | | | | |
| | TOTAL-I | | | | | | 157.19 | | | | |
| | Sundries @ 1% i.e. on Rs. 157.19 | | | | | | 1.57 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 158.77 | | | | | | 34.13 | | | | |
| | Labour cess @ 1% i.e. on Rs. 192.9 | | | | | | 1.93 | | | | |
| | | Labour for | 1000 | sqft. | | | 194.83 | | | | |
| | | Labour for | 1 | sqft. | | | 0.19 | 0.19 | 0.19 | 0.19 | |
| | | Labour for | 1 | sqm | | | | 2.10 | | | 2.10 |
| (iii) | Bed width more than 15.24 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | | Taking output | 1000 | sqft. | | | | | | | |
| | Mazdoors | | | Each | 1.28 | 136.69 | 174.96 | | | | |
| | TOTAL-I | | | | | | 174.96 | | | | |
| | Sundries @ 1% i.e. on Rs. 174.96 | | | | | | 1.75 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 176.71 | | | | | | 37.99 | | | | |
| | Labour cess @ 1% i.e. on Rs. 214.71 | | | | | | 2.15 | | | | |
| | | Labour for | 1000 | sqft. | | | 216.85 | | | | |
| | | Labour for | 1 | sqft. | | | 0.22 | 0.22 | 0.22 | 0.22 | |
| | | Labour for | 1 | sqm | | | | 2.33 | | | 2.33 |

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|--|---|---------------|------|-------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| (3) | Dry conditions (light) | | | | | | | | | | |
| (i) | Bed width less than 7.62 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | | Taking output | 1000 | sqft. | | | | | | | |
| | Mazdoors | | | Each | 0.72 | 136.69 | 98.42 | | | | |
| | TOTAL-I | | | | | | 98.42 | | | | |
| | Sundries @ 1% i.e. on Rs. 98.42 | | | | | | 0.98 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 99.4 | | | | | | 21.37 | | | | |
| | Labour cess @ 1% i.e. on Rs. 120.77 | | | | | | 1.21 | | | | |
| | | Labour for | 1000 | sqft. | | | 121.98 | | | | |
| | | Labour for | 1 | sqft. | | | 0.12 | 0.12 | 0.12 | 0.12 | |
| | | Labour for | 1 | sqm | | | | 1.31 | | | 1.31 |
| (ii) | Bed width 7.62 mtr to 15.24 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | | Taking output | 1000 | sqft. | | | | | | | |
| | Mazdoors | | | Each | 0.76 | 136.69 | 103.88 | | | | |
| | TOTAL-I | | | | | | 103.88 | | | | |
| | Sundries @ 1% i.e. on Rs. 103.88 | | | | | | 1.04 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 104.92 | | | | | | 22.56 | | | | |
| | Labour cess @ 1% i.e. on Rs. 127.48 | | | | | | 1.27 | | | | |
| | | Labour for | 1000 | sqft. | | | 128.76 | | | | |
| | | Labour for | 1 | sqft. | | | 0.13 | 0.13 | 0.13 | 0.13 | |
| | | Labour for | 1 | sqm | | | | 1.39 | | | 1.39 |
| (iii) | Bed width more than 15.24 mtr | | | | | | | | | | |
| I | LABOUR | | | | | | | | | | |
| | | Taking output | 1000 | sqft. | | | | | | | |
| | Mazdoors | | | Each | 0.85 | 136.69 | 116.19 | | | | |
| | TOTAL-I | | | | | | 116.19 | | | | |
| | Sundries @ 1% i.e. on Rs. 116.19 | | | | | | 1.16 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 117.35 | | | | | | 25.23 | | | | |
| | Labour cess @ 1% i.e. on Rs. 142.58 | | | | | | 1.43 | | | | |
| | | Labour for | 1000 | sqft. | | | 144.00 | | | | |
| | | Labour for | 1 | sqft. | | | 0.14 | 0.14 | 0.14 | 0.14 | |
| | | Labour for | 1 | sqm | | | | 1.55 | | | 1.55 |
| Note: 1) Man days are taken as per actual progress assessed by the committee of Engineers constituted by Chief Engineer, Drainage. 2) In case of heavy weed growth category, concerned SDO and Executive Engineer will certify after physical verification. 3) In case of medium and light weed growth category, concerned SDO will certify after physical verification and concerned Executive Engineer will also certify after satisfying himself. | | | | | | | | | | | |
| | | | | | | | | | | | |

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|---------|---|-------|------|-------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 25.4 | Running and maintenance of pumping set 8 H.P./ Generator set for dewatering arrangements complete in all respects | | | | | | | | | | |
| (A) | Depreciation Charges | | | | | | | | | | |
| | It is assumed that engine will run 8 Hrs daily, 25 days in a month and 12 months in a year. | | | | | | | | | | |
| | Total running time | | | hours | 2400 | | | | | | |
| | 8*25*12= 2400 hours | | | | | | | | | | |
| | Capital cost of 8 H.P. Diesel Engine/ generator set with pumping set including accessories | | | Each | 1 | 37800.00 | 37800.00 | | | | |
| | Depreciation charges as per CWC guide book @ 10% i.e. on Rs. 37800 | | | | | | 3780.00 | | | | |
| | Depreciation charges | 1 | hour | | | | 1.58 | | | | |
| | Add for contractor's profit @ 10% i.e. on Rs. 1.58 | | | | | | 0.16 | | | | |
| | Labour cess @ 1% i.e. on Rs. 1.73 | | | | | | 0.02 | | | | |
| | | | | | | | 1.75 | 1.75 | | 1.75 | 1.75 |
| (B) | POL Charges | | | | | | | | | | |
| | As per CWC guide book, consumption of diesel | Unit: | 1 | hour | litres | 1.76 | 35.18 | 61.92 | | | |
| | 0.22*8= 1.76 | | | | | | | | | | |
| | Lubricating oil charges @ 25% i.e. on Rs. 61.92 | | | | | | 15.48 | | | | |
| | TOTAL | | | | | | 77.40 | | | | |
| | Add for contractor's profit @ 10% i.e. on Rs. 77.4 | | | | | | 7.74 | | | | |
| | Labour cess @ 1% i.e. on Rs. 85.14 | | | | | | 0.85 | | | | |
| | | | | | | | 85.99 | 85.99 | | 85.99 | 85.99 |
| (C) | Repair Charges | | | | | | | | | | |
| | As per CWC guide book, repair provision will be 100% of capital cost | | | | | | | | | | |
| | Life of engine | Unit: | 1 | hour | hours | 10000 | | | | | |
| (i) | Repair provision @ 100% i.e. on Rs. 37800 | | | | | | 37800.00 | | | | |
| | Repair provision for | 1 | hour | | | | 3.78 | | | | |
| | As per CWC guide book, Misc. supplies will be 10% of hourly repair provision | | | | | | | | | | |
| (ii) | Misc. supplies @10% i.e. on Rs. 3.78 | | | | | | 0.38 | | | | |
| | TOTAL | | | | | | 4.16 | | | | |
| | Sundries @ 1% i.e. on Rs. 4.16 | | | | | | 0.04 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 4.2 | | | | | | 0.90 | | | | |
| | Labour cess @ 1% i.e. on Rs. 5.1 | | | | | | 0.05 | | | | |
| | | | | | | | 5.16 | 5.16 | | 5.16 | 5.16 |

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|---------|---|---|-----|------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| (D) | Operational charges | | | | | | | | | | |
| | LABOUR | | | | | | | | | | |
| (i) | Operator | | | Each | 1 | 223.36 | 223.36 | | | | |
| | Working hours per day | | | | 8 | | | | | | |
| | Cost per hour | | | | | | 27.92 | | | | |
| | Sundries @ 1% i.e. on Rs. 27.92 | | | | | | 0.28 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 28.2 | | | | | | 6.06 | | | | |
| | Labour cess @ 1% i.e. on Rs. 34.26 | | | | | | 0.34 | | | | |
| | | | | | | | 34.60 | 34.60 | | 34.60 | 34.60 |
| | TOTAL(A+B+C+D) cost for | 8 | BHP | | | | | 127.50 | | | 127.50 |
| | | 1 | BHP | | | | | 15.94 | | | 15.94 |
| | Note:- (i) The Engine with pumping set of 8 H.P. will run 4 bores. (ii) The generator set having engine of 8 H.P. coupled with alternator of 5 H.P. will run motor of 4 H.P. | | | | | | | | | | |
| | | | | | | | | | | | |

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|---------|--|----|-------|------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 25.5 | Making bore and installation of pumping set for dewatering arrangements complete in all respects | | | | | | | | | | |
| | Taking output | 40 | ft | | | | | | | | |
| I | Materials required for 1 No. bore hole of 6" dia with depth 40 ft. | | | | | | | | | | |
| (a) | PVC 4" Dia Strainer pipe | | | Rft | 40 | 25.00 | 1000.00 | | | | |
| (b) | PVC Jali(width 2 ft) | | | Rft | 42 | 2.25 | 94.50 | | | | |
| (c) | PVC socket 4" dia | | | No | 1 | 30.00 | 30.00 | | | | |
| (d) | Plastic string | | | Kg | 0.2 | 80.00 | 16.00 | | | | |
| | TOTAL | | | | | | 1140.50 | | | | |
| | Add for contractor's profit @ 10% i.e. on Rs. 1140.5 | | | | | | 114.05 | | | | |
| | Labour cess @ 1% i.e. on Rs. 1254.55 | | | | | | 12.55 | | | | |
| | | | | | | | 1267.10 | 1267.10 | | 1267.10 | 1267.10 |
| II | Material required for installation of pump set | | | | | | | | | | |
| (a) | Flexible suction pipe 1.5" dia | | | Rft | 50 | 15.50 | 775.00 | | | | |
| (b) | Flexible delivery pipe 3" dia | | | Rft | 7.5 | 42.00 | 315.00 | | | | |
| (c) | Tee, nipple and flange | | | Set | 1 | 650.00 | 650.00 | | | | |
| (d) | Foot valve | | | Pc. | 1 | 40.00 | 40.00 | | | | |
| (e) | Reflex valve | | | Pc. | 1 | 800.00 | 800.00 | | | | |
| (f) | Safeda, Araldite and clamp | | | Kit | 1 | 50.00 | 50.00 | | | | |
| | TOTAL | | | | | | 2630.00 | | | | |
| | Credit 50% of (a) and (b) | | | | | | 545.00 | | | | |
| | Credit 75% of (c) and (d) | | | | | | 517.50 | | | | |
| | Credit 90% of (e) | | | | | | 720.00 | | | | |
| | Total credit | | | | | | 1782.50 | | | | |
| | Net cost | | | | | | 847.50 | | | | |
| | Add for contractor's profit @ 10% i.e. on Rs. 847.5 | | | | | | 84.75 | | | | |
| | Labour cess @ 1% i.e. on Rs. 932.25 | | | | | | 9.32 | | | | |
| | | | | | | | 941.57 | 941.57 | | 941.57 | 941.57 |
| III | LABOUR | | | | | | | | | | |
| (i) | Labour and fitting charges | | | Rft | 40 | 35.00 | 1400.00 | | | | |
| (ii) | Carriage of material at site | | | | | L.S. | 150.00 | | | | |
| (iii) | Removal and carriage of boring material | | | | | L.S. | 150.00 | | | | |
| | TOTAL | | | | | | 1700.00 | | | | |
| | Sundries @ 1% i.e. on Rs. 1700 | | | | | | 17.00 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 1717 | | | | | | 369.16 | | | | |
| | Labour cess @ 1% i.e. on Rs. 2086.16 | | | | | | 20.86 | | | | |
| | | | | | | | 2107.02 | 2107.02 | | 2107.02 | 2107.02 |
| | Total cost | 40 | ft | | | | | 4315.68 | | | 4315.68 |
| | Total cost | 1 | ft | | | | | 107.89 | | | 107.89 |
| | Total cost | 1 | metre | | | | | 353.98 | | | 353.98 |

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|---------|--|-------|------|-------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 25.6 | Making dewatering arrangement by pumping set 4" *4" (Tractor driven) | | | | | | | | | | |
| | | Unit: | 1 | hour | | | | | | | |
| I | Depreciation Charges | | | | | | | | | | |
| | As per CWC guidebook, total running time of tractor is 12000 hrs or 8 years. | | | | | | | | | | |
| | Total running time per year 12000/8= 1500 hours | | | hours | 1500 | | | | | | |
| | Capital cost of Tractor | | | Each | 1 | ##### | ##### | | | | |
| | Cost of centrifugal pump | | | Each | 1 | 4500.00 | 4500.00 | | | | |
| | TOTAL | | | | | | ##### | | | | |
| | Depreciation charges as per CWC guide book @ 12.5% i.e. on Rs. 339500 | | | | | | 42437.50 | | | | |
| | Depreciation charges | 1 | hour | | | | 28.29 | | | | |
| | Add for contractor's profit @ 10% i.e. on Rs. 28.29 | | | | | | 2.83 | | | | |
| | Labour cess @ 1% i.e. on Rs. 31.12 | | | | | | 0.31 | | | | |
| | | | | | | | 31.43 | 31.43 | | 31.43 | 31.43 |
| II | H.S.D. | | | litre | 2.5 | 35.18 | 87.95 | | | | |
| III | Lubricating oil charges @ 25% i.e. on Rs. 87.95 | | | | | | 21.99 | | | | |
| | TOTAL | | | | | | 109.94 | | | | |
| | Add for contractor's profit @ 10% i.e. on Rs. 109.94 | | | | | | 10.99 | | | | |
| | Labour cess @ 1% i.e. on Rs. 120.93 | | | | | | 1.21 | | | | |
| | | | | | | | 122.14 | 122.14 | | 122.14 | 122.14 |
| IV | LABOUR | | | | | | | | | | |
| | Operator | | | Each | 1 | 223.36 | 223.36 | | | | |
| | Working hours per day | | | | 8 | | | | | | |
| | Cost per hour | | | | | | 27.92 | | | | |
| | Sundries @ 1% i.e. on Rs. 27.92 | | | | | | 0.28 | | | | |
| | Add for contractor's profit and overhead charges @ 21.5% i.e. on Rs. 28.2 | | | | | | 6.06 | | | | |
| | Labour cess @ 1% i.e. on Rs. 34.26 | | | | | | 0.34 | | | | |
| | | | | | | | 34.60 | 34.60 | | 34.60 | 34.60 |
| V | Running Repair | | | | | | | | | | |
| | Capital cost of tractor (Eicher-24HP) | | | Each | 1 | ##### | ##### | | | | |
| | Cost of centrifugal pump | | | Each | 1 | 4500.00 | 4500.00 | | | | |
| | TOTAL | | | | | | ##### | | | | |
| | As per CWC guidebook, total running time of tractor is 12000 hrs or 8 years. | | | | | | | | | | |
| | As per CWC guidelines, life of tractor | | | years | 8.00 | | | | | | |
| | Total running time= 12000 hours | | | hours | 12000 | | | | | | |
| | Running Repair of whole life 200% of total capital cost | | | | | | ##### | | | | |
| | Running repair cost | 1 | hour | | | | 56.58 | | | | |
| | Add for contractor's profit @ 10% i.e. on Rs. 56.58 | | | | | | 5.66 | | | | |
| | Labour cess @ 1% i.e. on Rs. 62.24 | | | | | | 0.62 | | | | |
| | | | | | | | 62.86 | 62.86 | | 62.86 | 62.86 |

| Sr. No. | Description | | | Unit | Quantity | Plain | | | For Sub-Mountainous Region | | |
|-----------|---|---|------|-------|----------|------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| | | | | | | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) | Rate (In Rs.) | Cost (In Rs.) | Total (In Rs.) |
| 1 | 3 | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| VI | Material required | | | | | | | | | | |
| (a) | Suction pipe | | | Rft | 25 | 38.00 | 950.00 | | | | |
| (b) | Reflex valve | | | Each | 1 | 800.00 | 800.00 | | | | |
| (c) | Nipple | | | Each | 1 | 150.00 | 150.00 | | | | |
| (d) | Safeda, Araldite and clamp | | | kit | 1 | 50.00 | 50.00 | | | | |
| (e) | Delivery pipe | | | Rft | 50 | 15.00 | 750.00 | | | | |
| (f) | Bend | | | Each | 1 | 550.00 | 550.00 | | | | |
| | TOTAL | | | | | | 3250.00 | | | | |
| | Credit 50% of (a) | | | | | | 475.00 | | | | |
| | Credit 75% of (c), (d) and (f) | | | | | | 562.50 | | | | |
| | Credit 90% of (b) | | | | | | 720.00 | | | | |
| | Total credit | | | | | | 1757.50 | | | | |
| | Net cost | | | | | | 1492.50 | | | | |
| | Add for contractor's profit @ 10% i.e. on Rs. 1492.5 | | | | | | 149.25 | | | | |
| | Labour cess @ 1% i.e. on Rs. 1641.75 | | | | | | 16.42 | | | | |
| | | | | | | | 1658.17 | | | | |
| | It is assumed that pump will run 125 hours in a month. | | | | | | | | | | |
| | Total running time per month= 125 hours | | | hours | 125 | | | | | | |
| | Cost of material (VI) | 1 | hour | | | | 13.27 | 13.27 | | 13.27 | 13.27 |
| | Total cost | 1 | hour | | | | | 264.31 | | | 264.31 |
| | | | | | | | | | | | |