

| Sr. No. | Description  | Unit             | Rate (Rs.)      |                 | Ref. Tech. Specs. |
|---------|--|------------------|-----------------|-----------------|-------------------|
|         |  |                  | Labour          | Composite       |                   |
| 3.1     | Earth work excavation undressed, lead upto a single throw of kassi, phaorah or shovel.   |                  |                 |                 | 3.5               |
| a)      | In ashes, sand, soft soil or silt clearance.   | Cu.m.<br>Cu.ft.. | 98.80<br>2.80   | 98.80<br>2.80   |                   |
| b)      | In ordinary soil   | Cu.m.<br>Cu.ft.. | 123.55<br>3.50  | 123.55<br>3.50  |                   |
| c)      | In hard soil   | Cu.m.<br>Cu.ft.. | 172.95<br>4.90  | 172.95<br>4.90  |                   |
| d)      | In shingle or gravel   | Cu.m.<br>Cu.ft.. | 345.85<br>9.80  | 345.85<br>9.80  |                   |
| 3-2     | Earth work excavation undressed, lead upto 50 ft. (15m.)   |                  |                 |                 | 3.5               |
| a)      | In ashes, sand, soft soil or silt clearance.   | Cu.m.<br>Cu.ft.. | 123.55<br>3.50  | 123.55<br>3.50  |                   |
| b)      | In ordinary soil   | Cu.m.<br>Cu.ft.. | 148.25<br>4.20  | 148.25<br>4.20  |                   |
| c)      | In hard soil   | Cu.m.<br>Cu.ft.. | 207.50<br>5.90  | 207.50<br>5.90  |                   |
| d)      | In shingle or gravel   | Cu.m.<br>Cu.ft.. | 420.00<br>11.90 | 420.00<br>11.90 |                   |
| 3-3     | Bed clearance in ordinary soil and dressing slopes of drains to required section including removal of weeds, roots etc. and disposal of excavated material within 50 ft. (15m) lead. |                  |                 |                 | 3.8               |
| a)      | Excavated material undressed   | Cu.m.<br>Cu.ft.. | 197.65<br>5.60  | 197.65<br>5.60  |                   |
| b)      | Excavated material dressed in specified manner.  | Cu.m.<br>Cu.ft.. | 227.30<br>6.45  | 227.30<br>6.45  |                   |
| 3-4     | Borrow pit excavation depth upto 10 ft. (3 m) undressed lead upto 100 ft. (30m)  |                  |                 |                 | 3.8<br>3.9        |
| a)      | Sand   | Cu.m.<br>Cu.ft.. | 182.80<br>5.20  | 182.80<br>5.20  |                   |
| b)      | Ordinary soil  | Cu.m.<br>Cu.ft.. | 227.30<br>6.45  | 227.30<br>6.45  |                   |
| c)      | Hard soil  | Cu.m.<br>Cu.ft.. | 276.70<br>7.85  | 276.70<br>7.85  |                   |
| d)      | Shingle or gravel  | Cu.m.<br>Cu.ft.. | 444.70<br>12.60 | 444.70<br>12.60 |                   |

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|         |  |                  | Labour                      | Composite               |                   |
| 3-5     | Earthwork for embankment lead upto 100 ft. (30m) and compaction by mechanical means at optimum moisture content, dressing to designed section including laying,            |                  |                             |                         | 3.9<br>3.12       |
|         | <b>A. Sand</b>   |                  |                             |                         |                   |
|         | i) 95% maximum modified AASHTO dry density   | Cu.m.<br>Cu.ft.. | 247.05<br>7.00              | 704.55<br>19.95         |                   |
|         | ii) 90% maximum modified AASHTO dry density  | Cu.m.<br>Cu.ft.. | 247.05<br>7.00              | 521.55<br>14.75         |                   |
|         | iii) 85% maximum modified AASHTO dry density   | Cu.m.<br>Cu.ft.. | 247.05<br>7.00              | 430.05<br>12.20         |                   |
|         | <b>B. Ordinary soil</b>  |                  |                             |                         |                   |
|         | i) 95% maximum modified AASHTO dry density   | Cu.m.<br>Cu.ft.. | 0.00<br>296.45<br>8.40      | 0.00<br>753.95<br>21.35 |                   |
|         | ii) 90% maximum modified AASHTO dry density  | Cu.m.<br>Cu.ft.. | 296.45<br>8.40              | 570.95<br>16.15         |                   |
|         | iii) 85% maximum modified AASHTO dry density   | Cu.m.<br>Cu.ft.. | 839.47<br>296.45<br>8.40    | 479.45<br>13.60         |                   |
|         | <b>C. Hard soil</b>  |                  |                             |                         |                   |
|         | i) 95% maximum modified AASHTO dry density   | Cu.m.<br>Cu.ft.. | 345.85<br>9.80              | 803.35<br>22.75         |                   |
|         | ii) 90% maximum modified AASHTO dry density  | Cu.m.<br>Cu.ft.. | 345.85<br>9.80              | 620.35<br>17.55         |                   |
|         | iii) 85% maximum modified AASHTO dry density   | Cu.m.<br>Cu.ft.. | 979.36<br>345.85<br>9.80    | 528.85<br>15.00         |                   |
|         | <b>D. Shingle or gravel</b>  |                  |                             |                         |                   |
|         | i) 95% maximum modified AASHTO dry density   | Cu.m.<br>Cu.ft.. | 0.00<br>518.80<br>14.70     | 0.00<br>976.30<br>27.65 |                   |
|         | ii) 90% maximum modified AASHTO dry density  | Cu.m.<br>Cu.ft.. | 518.80<br>14.70             | 793.30<br>22.45         |                   |
|         | iii) 85% maximum modified AASHTO dry density   | Cu.m.<br>Cu.ft.. | 1,469.11<br>518.80<br>14.70 | 701.80<br>19.90         |                   |
| 3-6     | Earthwork for embankment lead upto 100 ft. (30m) and compaction by manual labour at optimum moisture content, dressing to designed section, laying, leveling and watering. |                  |                             |                         | 3.12              |
|         | a) Sand  | Cu.m.<br>Cu.ft.. | 116.50<br>3.30              | 128.50<br>3.65          |                   |
|         | b) Ordinary soil   | Cu.m.<br>Cu.ft.. | 100.75<br>2.85              | 115.75<br>3.30          |                   |
|         | c) Hard soil   | Cu.m.<br>Cu.ft.. | 106.70<br>3.00              | 126.70<br>3.60          |                   |

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|         |  |         | Labour     | Composite |                   |
| d)      | Shingle or gravel  | Cu.m.   | 347.15     | 347.15    |                   |
|         |  | Cu.ft.. | 9.85       | 9.85      |                   |
| 3-7     | Earthwork excavation in open cutting upto 5 ft. (1.5 m) depth for storm water channels, drains, sullage drains in open area, roads, streets, lanes including under pinning of walls and shoring to protect existing works, shuttering and timbering the trenches dressed to designed level and dimension, trimming, removal of surface water from trenches, backfilling and disposal of surplus excavated material upto 50 ft. (15 m) including dressing                   |         |            |           | 3.1<br>3.5        |
| a)      | Sand   | Cu.m.   | 211.35     | 229.35    |                   |
|         |  | Cu.ft.. | 6.00       | 6.50      |                   |
| b)      | Ordinary soil  | Cu.m.   | 266.65     | 302.65    |                   |
|         |  | Cu.ft.. | 7.55       | 8.55      |                   |
| c)      | Hard soil  | Cu.m.   | 348.80     | 352.30    |                   |
|         |  | Cu.ft.. | 9.90       | 10.00     |                   |
| d)      | Shingle or gravel  | Cu.m.   | 465.75     | 484.35    |                   |
|         |  | Cu.ft.. | 13.20      | 13.75     |                   |
| 3-8     | Earthwork excavation in open cutting upto 5 ft. to 10 ft. (1.5 m to 3 m) depth for storm water channels, drains, sullage drains in open area, roads, streets, lanes including under pinning of walls and shoring to protect existing works, shuttering and timbering the trenches dressed to designed level and dimension, trimming, removal of surface water from trenches, backfilling and disposal of surplus excavated material upto 100 ft. (30 m) including dressing |         |            |           | 3.1<br>3.5        |
| a)      | Sand   | Cu.m.   | 286.60     | 299.45    |                   |
|         |  | Cu.ft.. | 8.10       | 8.50      |                   |
| b)      | Ordinary soil  | Cu.m.   | 369.85     | 379.10    |                   |
|         |  | Cu.ft.. | 10.45      | 10.75     |                   |
| c)      | Hard soil  | Cu.m.   | 415.60     | 430.15    |                   |
|         |  | Cu.ft.. | 11.75      | 12.20     |                   |
| d)      | Shingle or gravel  | Cu.m.   | 659.00     | 718.30    |                   |
|         |  | Cu.ft.. | 18.65      | 20.35     |                   |
| 3-9     | Excavation in shingle or gravel formation and rock, not requiring blasting, undressed lead upto 100 ft. (30m)  |         |            |           | 3.1<br>3.5        |
| a)      | Dry  | Cu.m.   | 326.10     | 326.10    | 3.7               |
|         |  | Cu.ft.. | 9.25       | 9.25      |                   |
| b)      | Wet  | Cu.m.   | 444.70     | 444.70    |                   |
|         |  | Cu.ft.. | 12.60      | 12.60     |                   |
| c)      | In flowing water   | Cu.m.   | 494.10     | 494.10    |                   |
|         |  | Cu.ft.. | 14.00      | 14.00     |                   |
| d)      | Under water including dewatering   | Cu.m.   | 494.10     | 539.85    |                   |
|         |  | Cu.ft.. | 15.30      | 15.30     |                   |

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|         |  |                  | Labour          | Composite       |                   |
| 3-10    | Earthwork excavation in irrigation channels drains etc. to designed section, grades and profiles excavated material disposed off and dressed within 50 ft (15m) lead.                        |                  |                 |                 | 3.1<br>3.5        |
| a)      | Sand   | Cu.m.<br>Cu.ft.. | 124.05<br>3.50  | 124.05<br>3.50  |                   |
| b)      | Ordinary soil  | Cu.m.<br>Cu.ft.. | 148.80<br>4.20  | 148.80<br>4.20  |                   |
| c)      | Hard soil  | Cu.m.<br>Cu.ft.. | 173.50<br>4.90  | 173.50<br>4.90  |                   |
| d)      | Shingle or gravel formation  | Cu.m.<br>Cu.ft.. | 377.55<br>10.70 | 377.55<br>10.70 |                   |
| 3-11    | Excavation in rock dressed to designed section, grades and profiles, excavated material disposed of within 100 ft.(30 m) & lift upto 6.5 ft. (2m.)   |                  |                 |                 | 3.1<br>3.6        |
| a)      | Soft rock, slate, shale, work, with pick and crow bar.   | Cu.m.<br>Cu.ft.. | 175.30<br>4.95  | 175.30<br>4.95  |                   |
| b)      | Medium hard rock schist or laterite requiring occasional blas  | Cu.m.<br>Cu.ft.. | 465.35<br>13.20 | 511.90<br>14.50 |                   |
| 3-12    | Excavation in hard rock requiring blasting and disposal of excavated material (blasted material) upto 50 ft. (15m) lead, (including dressing and levelling to designated section).           |                  |                 |                 | 3.1<br>3.6        |
| a)      | Grade I  | Cu.m.<br>Cu.ft.. | 254.90<br>7.20  | 318.65<br>9.00  |                   |
| b)      | Grade II   | Cu.m.<br>Cu.ft.. | 280.39<br>7.95  | 391.95<br>11.10 |                   |
| c)      | Grade III  | Cu.m.<br>Cu.ft.. | 308.43<br>8.75  | 442.90<br>12.55 |                   |
| d)      | Grade IV   | Cu.m.<br>Cu.ft.. | 384.30<br>10.90 | 538.00<br>15.25 |                   |
| e)      | Grade V  | Cu.m.<br>Cu.ft.. | 422.73<br>11.95 | 591.80<br>16.75 |                   |
| f)      | Grade VI   | Cu.m.<br>Cu.ft.. | 465.00<br>13.15 | 650.98<br>18.45 |                   |
| 3-13    | Excavation in hard rock requiring blasting but blasting prohibited and disposal of excavated material within 50 ft. (15m) lead, (including dressing and levelling to designed section etc.). |                  |                 |                 | 3.1<br>3.6        |
| a)      | Grade I  | Cu.m.<br>Cu.ft.. | 531.25<br>15.05 | 664.10<br>18.80 |                   |
| b)      | Grade II   | Cu.m.<br>Cu.ft.. | 600.30<br>17.00 | 757.05<br>21.45 |                   |

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|         |   |         | Labour     | Composite |                   |       |
| c)      | Grade III   | Cu.m.   | 678.35     | 946.30    |                   |       |
|         |   | Cu.ft.. | 19.20      | 26.80     |                   |       |
| d)      | Grade IV  | Cu.m.   | 804.40     | 692.00    |                   |       |
|         |   | Cu.ft.. | 22.80      | 19.60     |                   |       |
| e)      | Grade V   | Cu.m.   | 957.30     | 769.00    |                   |       |
|         |   | Cu.ft.. | 27.10      | 21.80     |                   |       |
| f)      | Grade VI  | Cu.m.   | 1,013.75   | 830.00    |                   |       |
|         |   | Cu.ft.. | 28.70      | 23.50     |                   |       |
| 3-14    | Rehandling of earthwork   |         |            |           |                   |       |
| a)      | Lead upto a single throw of Kassi, phaorah or shovel  | Cu.m.   | 55.35      | 55.35     |                   |       |
|         |   | Cu.ft.. | 1.55       | 1.55      |                   |       |
| b)      | Upto a lead of 50 ft. (15 m.)   | Cu.m.   | 78.05      | 78.05     |                   |       |
|         |   | Cu.ft.. | 2.20       | 2.20      |                   |       |
| 3-15    | Rehandling of gravel work or excavated rock, lead upto 50 ft.   | Cu.m.   | 192.70     | 192.70    |                   |       |
|         |   | Cu.ft.. | 5.45       | 5.45      |                   |       |
| 3-16    | Filling, watering and ramming earth under floors.   |         |            |           |                   | 3.8.5 |
| a)      | With surplus earth from foundation etc.   | Cu.m.   | 150.60     | 171.14    |                   |       |
|         |   | Cu.ft.. | 4.25       | 4.85      |                   |       |
| b)      | With new earth excavated from outside, lead upto 100 ft. (30m) and lift upto 5 ft. (1.5m)   | Cu.m.   | 182.00     | 200.00    |                   |       |
|         |   | Cu.ft.. | 5.15       | 5.65      |                   |       |
| 3-17    | Filling, watering and ramming earth under floors for every 50 ft. (15m) additional lead or part thereof. (Maximum upto 1000 ft. (300 m) |         |            |           | 3.5.8             |       |
| a)      | For earthwork soft, ordinary, hard and very hard  | Cu.m.   | 2.35       | 7.83      |                   |       |
|         |   | Cu.ft.. | 0.05       | 0.20      |                   |       |
| b)      | For gravel, shingle or rock   | Cu.m.   | 3.05       | 10.89     |                   |       |
|         |   | Cu.ft.. | 0.10       | 0.30      |                   |       |
| 3-18    | Dressing and levelling of earthwork to designed section.  |         |            |           | 3.5               |       |
| a)      | Ashes, sand, silt or soft soil  | Cu.m.   | 60.40      | 60.40     |                   |       |
|         |   | Cu.ft.. | 1.70       | 1.70      |                   |       |
| b)      | Ordinary or hard soil   | Cu.m.   | 66.30      | 66.30     |                   |       |
|         |   | Cu.ft.. | 1.90       | 1.90      |                   |       |
| c)      | Gravel work or soft rock not requiring blasting   | Cu.m.   | 73.80      | 73.80     |                   |       |
|         |   | Cu.ft.. | 2.10       | 2.10      |                   |       |
| 3-19    | Dressing dowels of canal banks, marginal bunds and flood protection bunds.  | R.M.    | 4.50       | 4.50      |                   |       |
|         |   | R.ft..  | 1.35       | 1.35      |                   |       |
| 3-20    |   |         |            |           | 3.8               |       |
| a)      | Dressing slopes of banks or ground surface  | Sq.m.   | 8.90       | 8.90      |                   |       |
|         |   | Sq.ft.. | 0.85       | 0.85      |                   |       |
| b)      | Dressing of earthwork by machinery or otherwise and left undressed  | Sq.m.   | 14.80      | 14.80     |                   |       |
|         |   | Sq.ft.. | 1.40       | 1.40      |                   |       |

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|         |  |                  | Labour            | Composite         |                   |
| 3-21    | Excavation in foundation of buildings, bridges, and other structures including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m) |                  |                   |                   | 3.5               |
| a)      | Sand, ashes or loose soil  | Cu.m.<br>Cu.ft.. | 218.70<br>6.20    | 218.70<br>6.20    |                   |
| b)      | Ordinary soil  | Cu.m.<br>Cu.ft.. | 231.30<br>6.55    | 231.30<br>6.55    |                   |
| c)      | Hard soil or soft murum  | Cu.m.<br>Cu.ft.. | 264.40<br>7.50    | 264.40<br>7.50    |                   |
| d)      | Shingle or gravel  | Cu.m.<br>Cu.ft.. | 237.10<br>6.70    | 237.10<br>6.70    |                   |
| 3-22    | Cutting hard rock such as granite, ballast, hard lime stone or sand stone etc. with chisels and hammers for small  | Cu.m.<br>Cu.ft.. | 1,080.20<br>30.60 | 1,175.80<br>33.30 | 3.6.2             |
| 3-23    | Extra for excavation requiring shoring.  | Cu.m.<br>Cu.ft.. | 30.00<br>0.85     | 43.00<br>1.20     | 3.8.4 (iii)       |
| 3-24    | Compaction of earthwork (soft, ordinary, or hard soil)   |                  |                   |                   | 3.12.3            |
| a)      | Mixing, moisturing earth to optimum moisture content in layers for compaction.   | Cu.m.<br>Cu.ft.. | 21.30<br>0.60     | 21.30<br>0.60     |                   |
| b)      | Compaction by rolling with animal driven roller/hand rammed.   |                  |                   |                   |                   |
| i)      | Soft and sandy soil  | Cu.m.<br>Cu.ft.. | 31.90<br>0.90     | 31.90<br>0.90     |                   |
| ii)     | Ordinary soil  | Cu.m.<br>Cu.ft.. | 21.17<br>0.60     | 21.17<br>0.60     |                   |
| iii)    | Hard soil  | Cu.m.<br>Cu.ft.. | 42.47<br>1.20     | 42.47<br>1.20     |                   |
| iv)     | Shingle or gravel  | Cu.m.<br>Cu.ft.. | 50.89<br>1.45     | 50.89<br>1.45     |                   |
| c)      | Ramming earth work (all type of soil)  | Cu.m.<br>Cu.ft.. | 27.08<br>0.75     | 27.08<br>0.75     |                   |
| d)      | Ramming earth work behind retaining wall   | Cu.m.<br>Cu.ft.. | 40.12<br>1.15     | 40.12<br>1.15     |                   |
| 3-25    | Compaction of earthwork in embankment to full depth and width by approved mechanical means in layer not exceeding 10 inches (230mm) in depth at optimum moisture content including watering by mechanical means.       |                  |                   |                   | 3.12.4<br>3.12.3  |
| a)      | 95% maximum modified AASHTO dry density.   | Cu.m.<br>Cu.ft.. | 10.74<br>0.30     | 49.81<br>1.40     |                   |
| b)      | 90% maximum modified AASHTO dry density.   | Cu.m.<br>Cu.ft.. | 10.74<br>0.30     | 33.95<br>0.95     |                   |
| c)      | 85% maximum modified AASHTO dry density.   | Cu.m.<br>Cu.ft.. | 10.74<br>0.30     | 46.44<br>1.30     |                   |

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|         |  |          | Labour     | Composite |                   |
| 3-26    | Extra for wet earthwork (Supporting man's weight)  | Cu.m.    | 76.59      | 76.59     | 3.1               |
|         |  | Cu.ft..  | 2.15       | 2.15      | 3.5               |
| 3-27    | Extra for slush or daldal including dewatering (Not supporting man's weight)   | Cu.m.    | 143.30     | 143.30    | 3.1               |
|         |  | Cu.ft..  | 4.05       | 4.05      | 3.5               |
| 3-28    | Extra for excavation requiring shoring.  | Cu.m.    | 34.60      | 34.60     | 3.1               |
|         |  | Cu.ft..  | 1.00       | 1.00      | 3.5               |
| 3-29    | Earthwork on small rain water drains, along canal banks, roads and plantation drains dressed.  | R.M.     | 19.76      | 19.76     | 3.1               |
|         |  | R.ft..   | 6.00       | 6.00      | 3.5               |
| 3-30    | Filling and compacting soil, earth and boulders behind retaining walls (including excavation of soil and lead upto 50  | Cu.m.    | 133.40     | 133.40    | 3.12.4            |
|         |  | Cu.ft..  | 3.80       | 3.80      |                   |
| 3-31    | Dag belling 3" (75 mm.) deep   | Per Km.  | 701.60     | 701.60    |                   |
|         |  | Per Mile | 1,129.10   | 1,129.10  |                   |
| 3-32    | Turving slopes of banks or lawns with grass sods including ploughing, laying, setting and watering (Truf obtained from within a distance of 8km (5 miles) and maintained for 15 days). | Sq.m.    | 98.80      | 98.80     | 29.3              |
|         |  | Sq.ft..  | 9.20       | 9.20      |                   |
| 3-33    | Berm Cutting.  |          |            |           | 3.5               |
| a)      | Lead upto a single throw of kassi, phaorah or shovel (without dressing)  | Cu.m.    | 102.65     | 102.65    |                   |
|         |  | Cu.ft..  | 2.90       | 2.90      |                   |
| b)      | Lead upto 50 ft. (15 m.), including dressing   | Cu.m.    | 151.20     | 151.20    |                   |
|         |  | Cu.ft..  | 4.30       | 4.30      |                   |
| 3-34    | Berm trimming both sides of channels.  |          |            |           | 3.5               |
| a)      | Upto 3 ft. (1.0 m) depth   | Per Km.  | 3,303.75   | 3,303.75  |                   |
|         |  | Per Mile | 5,316.85   | 5,316.85  |                   |
| b)      | Exceeding 3 ft. to 5 ft. (1.0 m to 1.5 m) depth  | Per Km.  | 4,909.30   | 4,909.30  |                   |
|         |  | Per Mile | 7,900.75   | 7,900.75  |                   |
| c)      | Exceeding 5 ft. to 8 ft. (1.5m to 2.5m) depth  | Per Km.  | 8,666.61   | 8,666.61  |                   |
|         |  | Per Mile | 13,947.55  | 13,947.55 |                   |
| 3-35    | Ploughing and levelling borrow pits.   |          |            |           | 3.5               |
| a)      | Upto 3 ft. (1 m) depth   | Per Hec. | 3,803.95   | 3,803.95  | 3.12.3            |
|         |  | Per Acre | 1,539.40   | 1,539.40  |                   |
| b)      | Above 3 ft. (1 m) depth  | Per Hec. | 7,607.90   | 7,607.90  |                   |
|         |  | Per Acre | 3,078.80   | 3,078.80  |                   |
| 3-36    | Making boundary or service roads including dagbelling, levelling and dressing.   |          |            |           | 3.8.2             |
| a)      | Unploughed land  |          |            |           | 3.11              |
| i)      | From 10 ft. to 20 ft. (3 m. to 6 m.) wide  | R.M.     | 17.30      | 17.30     |                   |
|         |  | R.ft..   | 5.25       | 5.25      |                   |
| ii)     | From 20 ft. to 40 ft. (6 m. to 12 m.) wide   | R.M.     | 22.50      | 22.50     |                   |
|         |  | R.ft..   | 6.85       | 6.85      |                   |

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|         |  |                  | Labour         | Composite      |                   |
| b)      | Carriage by boats upto 1000 ft. (300 m)  |                  |                |                |                   |
| i)      | From 10 ft. to 20 ft. (3 m to 6 m) wide  | R.M.<br>R.ft..   | 19.35<br>5.90  | 19.35<br>5.90  |                   |
| ii)     | From 20 ft. to 40 ft. (6 m. to 12 m.) wide   | R.M.<br>R.ft..   | 23.80<br>7.25  | 23.80<br>7.25  |                   |
| 3-37    | Earthwork by boats, including hire charges of boats.   |                  |                |                | 3.5               |
| a)      | Digging and loading into boats upto 50 ft. (15 m) lead   | Cu.m.<br>Cu.ft.. | 143.90<br>4.10 | 143.90<br>4.10 |                   |
| b)      | Carriage by boats upto 1000 ft. (300 m)  | Cu.m.<br>Cu.ft.. | 61.00<br>1.75  | 61.00<br>1.75  |                   |
| c)      | Extra for every additional 100 ft. (30m) or part thereof beyond 1000 ft. (300m)  | Cu.m.<br>Cu.ft.. | 5.35<br>0.15   | 5.35<br>0.15   |                   |
| d)      | un-loading Carriage by boats upto 1000 ft. (300 m)   | Cu.m.<br>Cu.ft.. | 79.05<br>2.25  | 79.05<br>2.25  |                   |
| 3-38    | Unloading earth from B.G. trucks and clearing 5 ft. (1.5 m) from rail  | Cu.m.<br>Cu.ft.. | 58.30<br>1.65  | 58.30<br>1.65  | 3.5               |
| 3-39    | Earthwork by tramway, digging and loading into trucks, upto 50 ft. (15m) lead  | Cu.m.<br>Cu.ft.. | 135.40<br>3.85 | 135.40<br>3.85 | 3.5               |
| 3-40    | Unloading earth from B.G. trucks and spreading upto 50 ft. (15m) from rail   | Cu.m.<br>Cu.ft.. | 111.65<br>3.15 | 111.65<br>3.15 |                   |
| 3-41    | Supplying clean and screened river or pit sand within 500 ft. (150m)   | Cu.m.<br>Cu.ft.. | 194.70<br>5.50 | 194.70<br>5.50 |                   |
| 3-42    | Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock |                  |                |                | 3.5               |
| a)      | <b>Upto 5 ft. (1.5 m) depth</b>  |                  |                |                |                   |
| i)      | Sand   | Cu.m.<br>Cu.ft.. | 148.25<br>4.20 | 148.25<br>4.20 |                   |
| ii)     | Ordinary soil  | Cu.m.<br>Cu.ft.. | 181.85<br>5.15 | 181.85<br>5.15 |                   |
| iii)    | Hard soil  | Cu.m.<br>Cu.ft.. | 197.65<br>5.60 | 197.65<br>5.60 |                   |
| iv)     | Shingle or gravel  | Cu.m.<br>Cu.ft.. | 215.45<br>6.10 | 215.45<br>6.10 |                   |
| b)      | <b>Below 5 ft. to 10 ft. (1.5 m to 3.0 m) depth</b>  |                  |                |                |                   |
| i)      | Sand   | Cu.m.<br>Cu.ft.. | 197.65<br>5.60 | 197.65<br>5.60 |                   |
| ii)     | Ordinary soil  | Cu.m.<br>Cu.ft.. | 237.15<br>6.70 | 237.15<br>6.70 |                   |

| Sr. No.   | Description  | Unit    | Rate (Rs.) |           | Ref. Tech. Specs. |  |
|---|--|---------|------------|-----------|-------------------|--|
|   |  |         | Labour     | Composite |                   |  |
| iii)  | Hard soil  | Cu.m.   | 266.80     | 266.80    |                   |  |
|   |  | Cu.ft.. | 7.55       | 7.55      |                   |  |
| iv)   | Shingle or gravel  | Cu.m.   | 336.00     | 336.00    |                   |  |
|   |  | Cu.ft.. | 9.50       | 9.50      |                   |  |
| <b>c) Below 10 ft. to 15 ft. (3.0 m to 4.5 m) depth</b>   |  |         |            |           |                   |  |
| i)  | Sand   | Cu.m.   | 237.15     | 237.15    |                   |  |
|   |  | Cu.ft.. | 6.70       | 6.70      |                   |  |
| ii)   | Ordinary soil  | Cu.m.   | 284.60     | 284.60    |                   |  |
|   |  | Cu.ft.. | 8.05       | 8.05      |                   |  |
| iii)  | Hard soil  | Cu.m.   | 805.91     | 805.91    |                   |  |
|   |  | Cu.ft.. | 9.05       | 9.05      |                   |  |
| iv)   | Shingle or gravel  | Cu.m.   | 320.20     | 320.20    |                   |  |
|   |  | Cu.ft.. | 9.05       | 9.05      |                   |  |
| <b>d) Below 15 ft. to 20 ft. (4.5 m to 6.0 m) depth</b>   |  |         |            |           |                   |  |
| i)  | Sand   | Cu.m.   | 0.00       | 0.00      |                   |  |
|   |  | Cu.ft.. | 284.60     | 284.60    |                   |  |
| ii)   | Ordinary soil  | Cu.m.   | 8.05       | 8.05      |                   |  |
|   |  | Cu.ft.. | 316.20     | 316.20    |                   |  |
| iii)  | Hard soil  | Cu.m.   | 8.95       | 8.95      |                   |  |
|   |  | Cu.ft.. | 895.40     | 895.40    |                   |  |
| iv)   | Shingle or gravel  | Cu.m.   | 345.85     | 345.85    |                   |  |
|   |  | Cu.ft.. | 9.80       | 9.80      |                   |  |
| 3-43  | Providing and fixing close shuttering and timbering for excavation in open cutting for sewers and manholes as shown in drawings and removing of timbering after completion of job. | Cu.m.   | 414.05     | 414.05    | 3.8.4 (iv)        |  |
|   |  | Cu.ft.. | 11.75      | 11.75     |                   |  |
| a)  | For depth upto 5 ft. (1.5 m.).   | Sq.m.   | 50.45      | 106.00    |                   |  |
|   |  | Sq.ft.. | 4.70       | 9.85      |                   |  |
| b)  | For depth below 5 ft. to 10 ft. (1.5 m to 3.0 m.)  | Sq.m.   | 57.65      | 117.71    |                   |  |
|   |  | Sq.ft.. | 5.35       | 10.95     |                   |  |
| c)  | For depth below 10 ft. to 15 ft. (3.0 m to 4.5 m.)   | Sq.m.   | 64.85      | 161.25    |                   |  |
|   |  | Sq.ft.. | 6.05       | 15.00     |                   |  |
| d)  | For depth below 15 ft. to 20 ft. (4.5 m to 6 m.)   | Sq.m.   | 72.05      | 181.60    |                   |  |
|   |  | Sq.ft.. | 6.70       | 16.90     |                   |  |
| <b>3-44 Providing and fixing open shuttering and timbering for excavation in open cutting for sewers and manholes as shown in drawings and removing of timbering after completion of job.</b> |  |         |            |           |                   |  |
| a)  | For depth upto 5 ft. (1.5 m.).   | Sq.m.   | 50.45      | 81.16     | 3.8.4 (iii)       |  |
|   |  | Sq.ft.. | 4.70       | 7.55      |                   |  |
| b)  | For depth below 5 ft. to 10 ft. (1.5 m to 3.0 m.)  | Sq.m.   | 57.65      | 92.45     |                   |  |
|   |  | Sq.ft.. | 5.35       | 8.60      |                   |  |

| Sr. No. | Description   | Unit     | Rate (Rs.) |           | Ref. Tech. Specs. |     |
|---------|---|----------|------------|-----------|-------------------|-----|
|         |   |          | Labour     | Composite |                   |     |
| c)      | For depth below 10 ft. to 15 ft. (3.0 m to 4.5 m.)  | Sq.m.    | 64.85      | 125.23    | 3.5<br>3.8.4      |     |
|         |   | Sq.ft..  | 6.05       | 11.65     |                   |     |
| d)      | For depth below 15 ft. to 20 ft. (4.5 m to 6 m.)  | Sq.m.    | 72.05      | 145.66    |                   |     |
|         |   | Sq.ft..  | 6.70       | 13.55     |                   |     |
| 3-45    | Excavation in open cutting for sewer and manholes as shown in drawings below sub-soil water level to correct section and dimension according to templates and levels including shoring, timbering and shuttering of M.S. sheets on both sides of the trenches |          |            |           |                   |     |
| a)      | Upto 4 ft. (1.25 m) depth below S.S.W.L.  | Cu.m.    | 326.10     | 503.50    |                   |     |
|         |   | Cu.ft..  | 9.25       | 14.25     |                   |     |
| b)      | Below 4 ft. to 8 ft. ( 1.25 m to 2.50 m ) depth below S.S.W.L   | Cu.m.    | 489.15     | 666.55    |                   |     |
|         |   | Cu.ft..  | 13.85      | 18.90     |                   |     |
| c)      | Exceeding below 8 ft. ( 2.5 m.) depth below S.S.W.L.  | Cu.m.    | 652.20     | 829.60    |                   |     |
|         |   | Cu.ft..  | 18.45      | 23.50     |                   |     |
| 3-46    | Earthwork excavation in irrigation channels, drains etc. upto 10 ft. (3m) depth to designed section, grades and profiles, excavated material disposed off and dressed within 50 ft. (15m) load  |          |            |           |                   | 3.5 |
| a)      | Sand  | Cu.m.    | 148.25     | 148.25    |                   |     |
|         |   | Cu.ft..  | 4.20       | 4.20      |                   |     |
| b)      | Ordinary soil   | Cu.m.    | 197.65     | 197.65    |                   |     |
|         |   | Cu.ft..  | 5.60       | 5.60      |                   |     |
| c)      | Hard soil   | Cu.m.    | 247.05     | 247.05    |                   |     |
|         |   | Cu.ft..  | 7.00       | 7.00      |                   |     |
| d)      | Shingle or gravel   | Cu.m.    | 469.40     | 469.40    |                   |     |
|         |   | Cu.ft..  | 13.30      | 13.30     |                   |     |
| e)      | Rock  | Cu.m.    | 543.50     | 543.50    |                   |     |
|         |   | Cu.ft..  | 15.40      | 15.40     |                   |     |
| 3-47    | Cutting and removing trees within a distance of 100 ft. (30m)   |          |            |           | 3.10.2<br>3.10.5  |     |
| a)      | Upto 2.5 ft. ( 0.75 m.) girth   | Each     | 473.25     | 473.25    |                   |     |
| b)      | Above 2.5 ft. to 6 ft. ( 0.75 m to 1.8 m.) girth  | Each     | 925.30     | 925.30    |                   |     |
| 3-48    | Up-rooting & removing stumps upto 100 ft.(30m) from 1.5 ft. to 6 ft. (0.50m to 1.75m) girth.  | Each     | 613.80     | 613.80    | 3.10.1            |     |
| 3-49    | Jungle clearance and removing upto 100 ft. ( 30m.)  |          |            |           | 3.10.3<br>3.10.4  |     |
| a)      | Light   | Sq.m.    | 1.15       | 1.15      |                   |     |
|         |   | Sq.ft..  | 0.10       | 0.10      |                   |     |
| b)      | Thick   | Sq.m.    | 2.16       | 2.16      |                   |     |
|         |   | Sq.ft..  | 0.20       | 0.20      |                   |     |
| 3-50    | Uprooting sarkanda growth & disposal upto 100 ft. ( 30 m.)  | Sq.m.    | 7.90       | 7.90      | 3.10.2            |     |
|         |   | Sq.ft..  | 0.75       | 0.75      |                   |     |
| 3-51    | Ploughing three ( 3 ) times.  | Per Hec. | 1,514.35   | 1,514.35  |                   |     |
|         |   | Per Acre | 612.85     | 612.85    |                   |     |

| Sr. No. | Description   | Unit    | Rate (Rs.) |           | Ref. Tech. Specs. |
|---------|---|---------|------------|-----------|-------------------|
|         |   |         | Labour     | Composite |                   |
| 3-52    | Levelling, dressing & making lawns.   | Sq.m.   | 33.60      | 33.60     |                   |
|         |   | Sq.ft.. | 3.10       | 3.10      |                   |
| 3-53    | Turving lawns (excluding cost of turf).   | Sq.m.   | 28.65      | 28.65     |                   |
|         |   | Sq.ft.. | 2.65       | 2.65      |                   |
| 3-54    | Clearing jungle by cutting, removing all shrubs, trees and taking out entire roots and filling the hollows with earth, dressing, consolidating and watering the filling including stacking the serviceable material and disposal of   | Sq.m.   | 18.60      | 18.60     | 3.10.2            |
|         |   | Sq.ft.. | 1.75       | 1.75      |                   |
| 3-55    | Levelling and dressing the ground by cutting and filling earth upto 6 inches (150mm) in depth including consolidating and watering.   | Sq.m.   | 15.80      | 15.80     | 3.10              |
|         |   | Sq.ft.. | 1.45       | 1.45      |                   |
| 3-56    | Cutting to a required gradient in all kinds of soil and disposing the same, levelling, dressing, watering and consolidation lead upto 100ft. (30m).   | Cu.m.   | 350.80     | 350.80    | 3.10              |
|         |   | Cu.ft.. | 9.95       | 9.95      |                   |
| 3-57    | Cutting to a required gradient in all kinds of soil and disposing the same, levelling, dressing but without watering and consolidation lead upto 100 ft. (30m)  | Cu.m.   | 323.75     | 323.75    | 3.10              |
|         |   | Cu.ft.. | 9.15       | 9.15      |                   |
| 3-58    | Providing turf only   | Sq.m    | 213.50     | 213.50    | 29.3.5            |
|         |   | Sq.ft   | 19.85      | 19.85     |                   |
| 3-59    | Spraying anti-termite chemical Biflex or equivalent mixed with water in the ratio of 1:40   | Sq.m.   | 30.65      | 191.65    | 3.16              |
|         |   | Sq.ft.  | 2.85       | 17.80     |                   |
| 3-60    | Excavation of trenches in all kinds of soil, except cutting rock, for water supply pipe lines upto 5 ft. (1.5m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects including cost of back filling. Laying of pipes 1 inch to 12 inch of any kind |         |            |           |                   |
| a)      | Two coats of hot bitumen soaked with hessian cloth, 1.25kg of bitumen per square meter.   | Sq.m.   | 167.75     | 167.75    |                   |
|         |   | Sq.ft.  | 4.79       | 4.79      |                   |
| b)      | without any coating   | Sq.m.   | 105.84     | 105.84    |                   |
|         |   | Sq.ft.  | 3.01       | 3.01      |                   |
| 3-61    | Transportation of earth all types when total distance, including the lead covered in the item ofwork, is more than  | Cu.m.   | 46.65      | 46.65     |                   |
|         |   | Cu.ft.. | 1.32       | 1.32      |                   |
| a)      | upto 1/4 mile (400 m).  |         |            |           |                   |
| b)      | Two coats of hot bitumen soaked with hessian cloth, 1.25kg of bitumen per square meter.   | Cu.m.   | 1.75       | 1.75      |                   |
|         |   | Cu.ft.. | 0.05       | 0.05      |                   |
| c)      | for every 1/4 mile (400 m) additional lead or part thereof, beyond one mile (1.6 Km.) upto 5 miles (8 Km.)  | Cu.m.   | 4.5        | 4.5       |                   |
|         |   | Cu.ft.. | 0.13       | 0.13      |                   |
| d)      | for every 1/2 mile (800 m) additional lead or part thereof, beyond 5 miles (8 Km.)  | Cu.m.   | 3.75       | 3.75      |                   |
|         |   | Cu.ft.. | 0.1        | 0.1       |                   |