PRICE

Office of the Chief engineer LSGD

Modified Community Leach pit

Detailed Estimate

(Cost Index Applied for this estimate is 35.59%)

| Sl No | Description | No | L | B | D | CF | Quantity | Remark |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Modified Community Leach pit** | | | | | | | | |
| 1 | 2.6.1  Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil | | | | | | | |
|  | Leach pit | 3.14 | 1.13 | 1.13 | 2.55 |  | 10.22 |  |
|  | Silt Chamber | 1 | 1.270 | 0.97 | 0.725 |  | 0.89 |  |
|  | Total Quantity | | | | | | 11.11 cum | |
| Total Deducted Quantity | | | | | | 0.000 cum | |
| Net Total Quantity | | | | | | 11.11 cum | |
| Say 11.11 cum @ Rs 214.03/ cum | | | | | | **Rs 2377.87** | |
| 2 | 4.1.5  Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 nominal size) | | | | | | | |
|  | Silt Chamber | 1 | 1.270 | 0.97 | 0.075 |  | 0.092 |  |
|  | Bottom layer | 3.14 | (0.93x 0.93) - (0.45 x 0.45) | | 0.15 |  | 0.312 |  |
|  | Top layer | 3.14 | (0.68 x 0.68) - (0.45 x 0.45) | | 0.20 |  | 0.163 |  |
|  | Total Quantity | | | | | | 0.567 cum | |
| Total Deducted Quantity | | | | | | 0.000 cum | |
| Net Total Quantity | | | | | | 0.567 cum | |
| Say 0.567 cum @ Rs 7367.55 / cum | | | | | | **Rs 4177.40** | |
| 3 | 6.2.2  Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand) | | | | | | | |
|  | Rectangular portion | 3.14 | (0.83x 0.83) - (0.6 x 0.6) | | 1.13 |  | 1.167 |  |
|  | Slope portion | 3.14 | [(0.83x 0.83) - (0.68x 0.68) -(0.68x 0.68) - (0.45 x 0.45)]/2 | | 0.905 |  | 0.69 |  |
|  | Silt Chamber | 1 | 3.44 | 0.11 | 0.55 |  | 0.208 |  |

|  | Deduction | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Honey comb ( L.s  0.117 cum ) | 0.117 |  |  |  |  | 0.117 |  |
|  | Total Quantity | | | | | | 2.065 cum | |
| Total Deducted Quantity | | | | | | 0.117 cum | |
| Net Total Quantity | | | | | | 1.948 cum | |
| Say 1.948 cum @ Rs 6241.61/ cum | | | | | | **Rs 12158.66** | |
| 4 | 5.1.2  Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1.5:3 ( 1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) | | | | | | | |
|  | Cover slab | 1 | 3.14 | 0.45\*0.45 | 0.10 |  | 0.064 |  |
|  | Silt Chamber | 1 | 1.100 | 0.80 | 0.10 |  | 0.088 |  |
|  | Total Quantity | | | | | | 0.152 cum | |
| Total Deducted Quantity | | | | | | 0.000 cum | |
| Net Total Quantity | | | | | | 0.152 cum | |
| Say 0.152 cum @ Rs 9085.14 / cum | | | | | | **Rs 1,380.94** | |
| 5 | 5.22.1  Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Mild steel and Medium Tensile steel bars | | | | | |  | |
|  | Cover slab & Silt Chamber  (as per 4) | 1 | 0.152 |  |  | 100 | 15.2 |  |
|  | Total Quantity | | | | | | 15.2 kg | |
|  | Total Deducted Quantity | | | | | | 0.000 kg | |
|  | Net Total Quantity | | | | | | 15.2 kg | |
|  | Say 15.2 kg @ Rs **96.68**/ kg | | | | | | **Rs 1,469.54** | |

| 6 | | 50.18.8.9.2  Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes with one step PVC Solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc. 110 mm pipe 4 kgf/cm2 | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | 110 mm dia PVC pipe | | 1 | | 2.500 | |  | |  | |  | | 2.500 | |  | |
|  | | Total Quantity | | | | | | | | | | | | 2.500 m | | | |
| Total Deducted Quantity | | | | | | | | | | | | 0.000 m | | | |
| Net Total Quantity | | | | | | | | | | | | 2.500 m | | | |
| Say 2.500 m @ Rs 672.91 / m | | | | | | | | | | | | **Rs 1682.28** | | | |
| 7 | | 50.18.9.22.6  Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110x110x110 mm dia Door tee | | | | | | | | | | | | | | | |
|  | | PVC Tee | | 2 | |  | |  | |  | |  | | 2.000 | |  | |
|  | | Total Quantity | | | | | | | | | | | | 2.000 no | | | |
| Total Deducted Quantity | | | | | | | | | | | | 0.000 no | | | |
| Net Total Quantity | | | | | | | | | | | | 2.000 no | | | |
| Say 2.000 no @ Rs 187.59 / no | | | | | | | | | | | | **Rs 375.18** | | | |
| 8 | | 2.25  Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m. | | | | | | | | | | | | | | | |
|  | |  | | 3.14 | | (1.13x 1.13) - (0.83 x 0.83) | | | | 1.13 | |  | | 2.086 | |  | |
|  | |  | | 3.14 | | [(1.13x 1.13) - (0.83x 0.83) + (0.83x 0.83) - (0.68 x 0.68)]/2 | | | | 0.705 | |  | | 0.902 | |  | |
|  | |  | | 3.14 | | (0.83x 0.83) - (0.68 x 0.68) | | | | 0.2 | |  | | 0.14 | |  | |
|  | | Total Quantity | | | | | | | | | | | | 3.13 cum | | | |
| Total Deducted Quantity | | | | | | | | | | | | 0.000 cum | | | |
| Net Total Quantity | | | | | | | | | | | | 3.13 cum | | | |
| Say 3.13 cum @ Rs **258.57**/ cum | | | | | | | | | | | | **Rs 809.32** | | | |
| 9 | | 13.1.1  12 mm cement plaster of mix: 1:4 ( 1 cement : 4 fine sand) | | | | | | | | | | | | | | | |
|  | | Innerside pit rect | | 2 x 3.14 | | 0.6 | |  | | 1.13 | |  | | 4.26 | |  | |
|  | | Innerside pit (slope) | | 2 x 3.14 | | (0.6 + 0.45) / 2 | |  | | 0.925 | |  | | 3.05 | |  | |
|  | | Silt Chamber (All around) | | 1 | | 3.44 | |  | | 0.60 | |  | | 2.064 | |  | |
|  | | Silt Chamber (bottom) | | 1 | | 0.90 | | 0.60 | |  | |  | | 0.54 | |  | |
|  | | Silt Chamber Cover | | 1 | | 1.1 | | 0.8 | |  | |  | | 0.88 | |  | |
|  | | Honeycomb LS (-) | |  | |  | |  | |  | |  | | -1 | |  | |
|  | | Total Quantity | | | | | | | | | | | | 10.794 sqm | | | |
| Total Deducted Quantity | | | | | | | | | | | | 1 sqm | | | |
| Net Total Quantity | | | | | | | | | | | | 9.794 sqm | | | |
| Say 9.794 sqm @ Rs 314.09 /sqm | | | | | | | | | | | | **Rs 3,076.20** | | | |
| **Amount reserved for GST payments Rs** | | | | | | | | | | | | | | **4,951.33** | | | |
| **Total Rs** | | | | | | | | | | | | | | **32,458.71** | | | |
| **Lump Sum for round off** | | | | | | | | | | | | | | **41.29** | | | |
| **Rounded Total Rs.** | | | | | | | | | | | | | | **Rs 32500** | | | |
| **Rupees Thirty Two Thousand and Five Hundred Only** | | | | | | | | | | | | | | | | | |

