PRICE

Office of the Chief engineer LSGD

 Community Leach pit - Dia: 1.86 m , H: 2.05 m

Detailed Estimate

(Cost Index Applied for this estimate is 35.59%)

| Sl No | Description | No | L | B | D | CF | Quantity | Remark |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  **Community Leach pit** |
| 1 | 2.6.1Earth 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 \* r\*r\*h) | 3.14 | 0.93 | 0.93 | 2.055 |   | 5.581 |   |
|   | Silt Chamber (l\*b\*h) | 1 | 1.270 | 0.97 | 0.675 |   | 0.8315 |   |
|   | Total Quantity | 6.4126 cum |
| Total Deducted Quantity | 0.000 cum |
| Net Total Quantity | 6.4126 cum |
| Say 6.4126 cum @ Rs 214.03/ cum | **Rs 1372.49** |
| 2 | 4.1.6Providing 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 40 nominal size) |
|   |  Silt Chamber | 1 | 1.270 | 0.97 | 0.075 |   | 0.092 |   |
|   |  Well (3.14( R\*R - r\*r)h) | 3.14 | (0.93x 0.93) - (0.5 x 0.5) | 0.15 |   | 0.615 |   |
|   | Total Quantity | 0.707 cum |
| Total Deducted Quantity | 0.000 cum |
| Net Total Quantity | 0.707 cum |
| Say 0.707 cum @ Rs 7211.15 / cum | **Rs 5098.28** |
| 3 | 6.2.2Brick 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)  |
|   |  Bottom portion (3.14( R\*R - r\*r)h) | 3.14 | (0.83x 0.83) - (0.6 x 0.6) | 1.13 |   | 1.167 |   |
|   |  Slope portion3.14 \* h/2 [(R\*R-r\*r)+ R\*R-r\*r)] | 3.14 | [(0.83x 0.83) - (0.6 x 0.6) + (0.68 x 0.68) - (0.45 x 0.45)]/2 | 0.775 |   | 0.716 |   |
|  |  Silt Chamber all aroound | 1 | 3.44 | 0.11 | 0.55 |   |  0.208 |   |

|   | Deduction |
| --- | --- |
|   | Honey comb ( L.s0.122 cum ) (-) |  0.117 |   |   |   |   |  -0.117 |   |
|   | Total Quantity | 2.091 cum |
| Total Deducted Quantity | -0.117 cum |
| Net Total Quantity | 1.974 cum |
| Say 1.974 cum @ Rs 6241.61/ cum | **Rs 12320.94** |
| 4 | 4.1.5Providing 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) |  |
|   | Top belt | 3.14 | (0.68x 0.68) - (0.45 x 0.45) | 0.15 |   | 0.122 |   |
|   | Total Quantity | 0.122 cum |
| Total Deducted Quantity | 0.000 cum |
| Net Total Quantity | 0.122 cum |
| Say 0.122 cum @ Rs 7367.55 / cum | **Rs 898.4** |
| 5 | 5.1.2Providing 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 | 3.140 | 0.50\*0.50 |  0.10 |   |  0.0785 |   |
|   | Silt Chamber cover | 1 | 1.100 | 0.80 | 0.10 |   | 0.088 |   |
|   | Total Quantity | 0.1665 cum |
| Total Deducted Quantity | 0.000 cum |
| Net Total Quantity | 0.1665 cum |
| Say 0.1665 cum @ Rs 9085.14 / cum | **Rs 1512.68** |

| 6 | 50.18.8.9.2Providing 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 | 2.000 |   |   |   | 2.000 |   |
|   | Total Quantity | 2.000 m |
| Total Deducted Quantity | 0.000 m |
| Net Total Quantity | 2.000 m |
| Say 2.000 m @ Rs 672.91 / m | **Rs 1345.82** |
| 7 | 50.18.9.22.6Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110x110x110 mm dia Door tee |
|   | PVC Tee | 3 |   |   |   |   | 3.000 |   |
|   | Total Quantity | 3.000 no |
| Total Deducted Quantity | 0.000 no |
| Net Total Quantity | 3.000 no |
| Say 3.000 no @ Rs 187.59 / no | **Rs 562.77** |
| 8 | 13.1.112 mm cement plaster of mix: 1:4 ( 1 cement : 4 fine sand)  |
|   | (2\*3.14\*r\*h) | 2 x 3.14 | 0.6  |  | 1.13  |   | 4.26 |   |
|   | (2\*3.14\*r\*h) | 2 x 3.14 |  (0.6 + 0.45) / 2 |  |  0.775 |   | 2.55 |   |
|  | Silt Chamber all around | 1 | 3.44 |  | 0.68 |  | 2.34 |  |
|  | Silt Chamber Bottom | 1 | 0.90 | 0.60 |  |  | 0.54 |  |
|  | Silt Chamber Cover | 1 | 1.10 | 0.80 |  |  | 0.88 |  |
|   | Deduction |
|   | Honey comb ( L.S ) (-) |  1 |  1 | 1  |   |   |  1.00 |   |
|   | Total Quantity | 10.57 sqm |
| Total Deducted Quantity | 1 sqm |
| Net Total Quantity | 9.57 sqm |
|  Say 9.57 sqm @ Rs 314.09/sqm  | **Rs 3005.84** |
|  **Amount reserved for GST payments Rs**  | **4701.18** |
| **Sub Total Rs**  | **30818.84** |
| **Lump Sum for round off** |  **81.16** |
| **Rounded Total** | **30,900.00** |
| **Rupees Thirty Thousand and Nine Hundred Only** |

