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 | 2.6.1  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 \* 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 | 4.1.6  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 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 | 6.2.2  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) | | | | | | | |
|  | 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 portion  3.14 \* 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.s  0.122 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 | 4.1.5  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) | | | | | |  | |
|  | 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 | 5.1.2  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 | 3.140 | 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 | 50.18.8.9.2  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 | 2.000 |  |  |  | 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 | 50.18.9.22.6  Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110x110x110 mm dia Door tee | | | | | | | |
|  | PVC Tee | 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 | 13.1.1  12 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** | | | | | | | | |

