PRICE

Office of the Chief Engineer LSGD

Leach pit – Household Greywater management

Detailed Estimate

(Cost Index Applied for this estimate is 35.59%)

| Sl No | Description | No | L | B | D | CF | Quantity | Remark |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **House hold 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 leveled and neatly dressed. All kinds of soil | | | | | | | |
| Leach pit | 1 | 3.14 | 0.745\*0.745 | 1 |  | 1.743 |  |
| Total Quantity | | | | | | 1.743 cum | |
| Total Deducted Quantity | | | | | | 0.000 cum | |
| Net Total Quantity | | | | | | 1.743 cum | |
| Say 1.743 cum @ Rs 214.03 / cum | | | | | | **Rs 373.05** | |
| 2     | 2 | | --- | |  | | 4.1.8  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 mm nominal size) | | | | | | | |
|  | 1 | 3.14 | 0.745\*0.745- 0.365\*0.365 | 0.075 |  | 0.099 |  |
| Total Quantity | | | | | | 0.099 cum | |
| Total Deducted Quantity | | | | | | 0.000 cum | |
| Net Total Quantity | | | | | | 0.099 cum | |
| Say0.10 cum @ Rs **7211.15** / cum | | | | | | **Rs. 721.12** | |
| 3     | 2 | | --- | |  | | 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) | | | | | | | |
|  | 1 | 3.14 | 0.67\*0.67- 0.44\*0.44 | 0.075 |  | 0.060 |  |
|  | 1 | 3.14 | 0.61\*0.61-0.50\*0.50 | 0.85 |  | 0.329 |  |
| Honeycomb (LS)  (- deduction) |  |  |  |  |  | -0.033 |  |
| Total Quantity | | | | | | 0.389 cum | |
| Total Deducted Quantity | | | | | | 0.033 cum | |
| Net Total Quantity | | | | | | 0.356 cum | |
| Say 0.356 cum @ Rs **6241.61**/ cum | | | | | | **Rs. 2222.01** | |
| 4 | 4.4.1  Providing and laying cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centering, shuttering and finishing.1:1.5:3 (1 cement : 1.5 coarse sand (Zone III) : 3 graded stone aggregate 20 mm nominal size) | | | | | |  | |
| Bed Blocks | 1 | 3.14 | 0.61\*0.61-0.50\*0.50 | 0.075 |  | 0.034 | |
| Cover Slab | 1 | 3.14 | 0.61\*0.61 | 0.075 |  | 0.088 | |
| Total Quantity | | | | | | 0.122 cum | |
| Total Deducted Quantity | | | | | | 0.00 | |
| Net Total Quantity | | | | | | 0.122 cum | |
| Say 0.122 cum @ Rs **8487.46**/ cum | | | | | | **Rs. 1035.47** | |
| 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 (as per 4.) | 1 | 0.088 |  |  | 100 | 8.8 | |
| Total Quantity | | | | | | 8.8 KG | |
| Total Deducted Quantity | | | | | | 0 | |
| Net Total Quantity | | | | | | 8.8 KG | |
| Say 10KG @ Rs **96.68**/ KG | | | | | | **Rs. 966.80** | |
| 6 | 50.18.9.8.2  Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 75 mm dia 4 Kgf/ cm2 | | | | | |  | |
|  | PVC Pipe | 1 | 1.5 | 0 | 0 |  | 1.5 |  |
|  | Total Quantity | | | | | | 1.5 m | |
|  | Total Deducted Quantity | | | | | | 0 | |
|  | Net Total Quantity | | | | | | 1.5 m | |
|  | Say 1.5 @ Rs 318.89 /m | | | | | | **Rs 478.33** | |
|  | Amount Reserved for GST Payments | | | | | | | **1043.42** |
|  | Sub Total | | | | | | | **6,840.21** |
|  | Lump Sum Round Off | | | | | | | **59.79** |
|  | Total | | | | | | | **6900** |
|  | **Six thousand and Nine Hundred rupees only** | | | | | | | |

