PRICE

Office of the Chief Engineer LSGD

Soak 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 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1. Household Soak 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 | | | | | | | |
| Soak Pit | 1 | 1 | 1 | 1 |  | 1.00 |  |
| Total Quantity | | | | | | 1cum | |
| Total Deducted Quantity | | | | | | 0.000 cum | |
| Net Total Quantity | | | | | | 1 cum | |
| Say 1 cum @ Rs 214.03/ cum | | | | | | **Rs 214.03** | |
| 2 | 23.5  Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer -in- charges | | | | | | | |
| Soak Pit (lower 300mm) | 1 | 1.00 | 1.00 | 0.3 |  | 0.30 |  |
| Soak Pit (middle 300 mm) | 1 | 1.00 | 1.00 | 0.3 |  | 0.30 |  |
| Total Quantity | | | | | | 0.60 cum | |
| Total Deducted Quantity | | | | | | 0.000 cum | |
| Net Total Quantity | | | | | | 0.60 cum | |
| Say0.60 cum @ Rs **1561.45**/ cum | | | | | | **Rs. 936.87** | |
| 3 | 16.3.5  Supplying, filling, spreading and levelling at site. Over burnt (Jhama) brick aggregate 90 mm to 45 mm | | | | | | | |
| Soak Pit | 1 | 1.00 | 1.00 | 0.25 |  | 0.25 |  |
| Total Quantity | | | | | | 0..25 cum | |
| Total Deducted Quantity | | | | | | 0.000 cum | |
| Net Total Quantity | | | | | | 0.25 cum | |
| Say0..25 cum @ Rs **933.60** / cum | | | | | | **Rs 233.4** | |
| 4 | 23.7  Supplying, filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer-in-charge. | | | | | |  | |
|  | Soak Pit | 1 | 1.00 | 1.00 | 0.15 |  | 0.15 |  |
|  | Total Quantity | | | | | | 0.15 cum | |
| Total Deducted Quantity | | | | | | 0.00 cum | |
| Net Total Quantity | | | | | | 0.15 cum | |
| Say 0.15 cum @ 1561.45 /cum | | | | | | **Rs 234.22** | |
| 5 | Supplying and fixing of perforated Earthern Pot | | | | | |  | |
| MR | Earthern Pot | 1 |  |  |  |  | 1 |  |
|  | Total Quantity | | | | | | 1 Nos | |
| Total Deducted Quantity | | | | | |  | |
| Net Total Quantity | | | | | | 1 Nos | |
| Say 1 @ 120 /No | | | | | | **Rs 120. 00** | |
| 5 | 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. | | | | | |  | |
| Land Filling | 1 | 1.00 | 1.00 | 0.05 |  | 0.05 |  |
| Total Quantity | | | | | | 0.05 cum | |
| Total Deducted Quantity | | | | | | 0 | |
| Net Total Quantity | | | | | | 0.05 cum | |
| Say0.05 @ Rs **258.57** /No | | | | | | **Rs 12.93** | |
| 6 | 50.18.9.7.2  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.63 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 **304.30** /m | | | | | | **Rs 456.45** | |
|  | **2. Filling with aggregates/over burnt bricks/Laying Twigs** | | | | | | | |
|  | 1. Labour for laying twigs or placing gunny bags (LS) | | | | | | **700** | |
|  | 2. Labour for filling the pit with the boulders/aggregates (LS) | | | | | | **700** | |
|  | Amount Reserved for GST Payments | | | | | | **649.42** | |
|  | Total | | | | | | **4257.32** | |
|  | Lump Sum Round Off | | | | | | **42.68** | |
|  | Total | | | | | | **4300** | |
| **Four thousand and Three hundred rupees only** | | | | | | | | |

