PRICE

Office of the Chief engineer LSGD

Magic pits – Household wastewater management

Detailed Estimate

(Cost Index Applied for this estimate is 35.59%)

| Sl No | Description | No | L | B | D | CF | Quantity | Remark |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Magic pit size - 1.2 x 1.2 x 1.2 m** | | | | | | | | |
| 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 | | | | | | | |
|  | Pit | 1 | 1.20 | 1.20 | 1.20 |  | 1.728 |  |
|  | Total Quantity | | | | | | 1.728 cum | |
| Total Deducted Quantity | | | | | | 0.000 cum | |
| Net Total Quantity | | | | | | 1.728 cum | |
| Say 1.728 cum @ Rs 214.03 / cum | | | | | | **Rs 369.84** | |
| 2 | 5.9.1  Centering and shuttering including strutting, etc. and removal of form for: Foundations, footings, bases of columns, etc for mass concrete | | | | | | | |
|  | Pit | 2x 3.14 | 0.45 |  | 1.00 |  | 2.826 |  |
|  | Total Quantity | | | | | | 2.826 sqm | |
| Total Deducted Quantity | | | | | | 0.000 sqm | |
| Net Total Quantity | | | | | | 2.826 sqm | |
| Say 2.826 sqm @ Rs 335.31 / sqm | | | | | | **Rs 947.59** | |
| 3 | 23.5  Supplying, filling, spreading & levelling 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 | | | | | | | |
|  | Pit - Lower Bottom (15cm) | 1 | 1.2 | 1.2 | 0.15 |  | 0.216 |  |
|  | Pit - Bottom (25cm) | 1 | 1.2 | 1.2 | 0.25 |  | 0.36 |  |
|  | Tank portion - Bottom(-) | 3.14 | 0.45 | 0.45 | 0.25 |  | 0.159 |  |
|  | Pit Middle (25cm) | 1 | 1.2 | 1.2 | 0.25 |  | 0.36 |  |
|  | Tank portion - Middle(-) | 3.14 | 0.45 | 0.45 | 0.25 |  | 0.159 |  |
|  | Pit top (25cm) | 1 | 1.2 | 1.2 | 0.25 |  | 0.36 |  |
|  | Tank portion - top (-) | 3.14 | 0.45 | 0.45 | 0.25 |  | 0.159 |  |
|  | Total Quantity | | | | | | 1.296 cum | |
| Total Deducted Quantity | | | | | | 0.477 cum | |
| Net Total Quantity | | | | | | 0.819 cum | |
| Say 0.819 cum @ Rs 1561.45 / cum | | | | | | **Rs.1,278.83** | |

| 5 | 23.6  Supplying, filling, spreading & leveling gravels of size range 5 mm to 10 mm, in the recharge pit,over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of Engineer -in-Charge | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Pit topmost | 1 | 1.2 | 1.2 | 0.3 |  | 0.432 |  |
|  | Tank portion - bottom (-) | 3.14 | 0.45 | 0.45 | 0.3 |  | 0.191 |  |
|  | Total Quantity | | | | | | 0.432 cum | |
| Total Deducted Quantity | | | | | | 0.191 cum | |
| Net Total Quantity | | | | | | 0.241 cum | |
| Say 0241 cum @ Rs 965.06 / cum | | | | | | **Rs 232.58** | |
| 6 | 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. | | | | | |  |  |
| Top layer soil | 1 | 1.2 | 1.2 | 0.05 |  | 0.072 |  |
| Total Quantity | | | | | | 0.072 cum | |
| Total Deducted Quantity | | | | | | 0.000 cum | |
| Net Total Quantity | | | | | | 0.072 cum | |
| Say 0.072 cum @ Rs 258.57 / cum | | | | | | **Rs 18.62** | |
| 7 | 50.18.9.8.2  Providing and fixing PVC pipes includings of pipes with one step PVC solvent cement, trenching and refilling & testing of joints complete as per direction of Engineer in Charge. 75 mm dia 4 Kgf/cm2 | | | | | | | |
| Laying pipe | 1 | 2.5 |  |  |  | 2.5 |  |
| Total Quantity | | | | | | 2.5 m | |
| Total Deducted Quantity | | | | | | 0.000 m | |
| Net Total Quantity | | | | | | 2.5 m | |
| Say 2.5 m @ Rs 318.89/m | | | | | | **Rs 797.23** | |
|  | **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** | | | | | | | **908.04** | |
| **Total Rs** | | | | | | | **5,952.72** | |
| **Lump Sum for round off** | | | | | | | **47.28** | |
| **Rounded Total** | | | | | | | **6000** | |
| **Rs Six Thousand Only** | | | | | | | | |

