

DETAILED ESTIMATE

**DEPOSIT-PROVIDING PUMPING SYSTEM & PUMPING MAIN FROM INTAKE WELL
AT CHAKKAKANAM TO TANK AT NEDUMKANDAM TALUK HOSPITAL-PROVIDING
PUMPING SYSTEM & PUMPING MAIN FROM INTAKE WELL AT
CHAKKAKANAM TO TANK AT NEDUMKANDAM TALUK HOSPITAL-General Civil
Work**

| SI No | Specification | No | Length | Width | Depth | Cf | Quantity |
|-------|--|----|----------|-------|-------|----|-----------------|
| 1 | Cost of materials | | | | | | |
| 1.001 | OD95359/2022-2023 | | | | | | |
| | Supply of 100mm GI medium pipe | | | | | | |
| | . | | | | | | |
| | 100MM GI | 1 | 2460.000 | | | | 2460.000 |
| | Total | | | | | | 2460.000 |
| | Total Quantity in metre | | | | | | 2460.000 |
| 1.002 | OD95371/2022-2023 | | | | | | |
| | 5 % specials for 100 mm GI pipe | | | | | | |
| | . | | | | | | |
| | Specials for 100 mm | 1 | 2460.000 | | | | 2460.000 |
| | Total | | | | | | 2460.000 |
| | Total Quantity in metre | | | | | | 2460.000 |
| 1.003 | 100.98.440 | | | | | | |
| | Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S1, Size 25mm. | | | | | | |
| | Air Valve Size 25mm | | | | | | |
| | 25mm Air valve | 3 | | | | | 3.000 |
| | Total | | | | | | 3.000 |
| | Total Quantity in no | | | | | | 3.000 |
| 1.004 | 100.98.429 | | | | | | |
| | Supply of CI Non Return Valve, Conforming to IS 5312 Part I - 1984, PN 1.6, Size 100mm. | | | | | | |
| | . | | | | | | |
| | Supply of CI Non Return Valve | 1 | | | | | 1.000 |
| | Total | | | | | | 1.000 |
| | Total Quantity in no | | | | | | 1.000 |

| SI No | Specification | No | Length | Width | Depth | Cf | Quantity |
|-------|---|----|----------|-------|-------|----|-----------------|
| 2 | WORKING CHARGES | | | | | | |
| 2.001 | 100.12.9 | | | | | | |
| | Conveying and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc., but excluding cost of pipes and fittings for External work: 100mm diameter nominal bore. | | | | | | |
| | Conveying and fixing G.I. pipes | 1 | 2460.000 | | | | 2460.000 |
| | Total | | | | | | 2460.000 |
| | Total Quantity in metre | | | | | | 2460.000 |
| 2.002 | 100.32.1 | | | | | | |
| | Conveying and fixing C. I. Single Acting Air Valve of approved quality with bolts, nuts, rubber insertions etc., complete, but excluding the cost of air valve (tail pieces, if required, will be paid separately): 25mm Single Acting Air Valve. | | | | | | |
| | Conveying and fixing Air valve 25mm | | | | | | |
| | air valve | 3 | | | | | 3.000 |
| | Total | | | | | | 3.000 |
| | Total Quantity in no | | | | | | 3.000 |
| 2.003 | 100.31.1.2 | | | | | | |
| | Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 100mm diameter, Class I. | | | | | | |
| | Control valve and NR valve | | | | | | |
| | "Conveying and fixing C.I. sluice valves | 3 | | | | | 3.000 |
| | Total | | | | | | 3.000 |
| | Total Quantity in no | | | | | | 3.000 |
| 2.004 | 5.1.3 | | | | | | |
| | 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: 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) | | | | | | |
| | Anchor Block | | | | | | |
| | Providing and laying in position specified grade of reinforced cement concrete | 25 | 0.450 | 0.450 | 0.600 | | 3.038 |
| | Total | | | | | | 3.038 |
| | Total Quantity in cum | | | | | | 3.038 |
| 2.005 | 5.9.1 | | | | | | |

| SI No | Specification | No | Length | Width | Depth | Cf | Quantity |
|-------|---|----|--------|-------|-------|----|---------------|
| | Centering and shuttering including strutting, etc. and removal of form for: Foundations, footings, bases of columns, etc for mass concrete | | | | | | |
| | Centering and shuttering including strutting -Anchor Block | | | | | | |
| | Anchor Block | 25 | 1.800 | | 0.600 | | 27.000 |
| | Total | | | | | | 27.000 |
| | Total Quantity in sqm | | | | | | 27.000 |
| 2.006 | OD101032/2022-2023 | | | | | | |
| | 100 mm GI pipes by cutting and Joining by three run welding to make a water tight joint, painting the welded portion , testing the line to the required pressure , including the charges hire and conveyance of tools , plant and material to site , lighting, watching, ribbon fencing , caution boards, traffic diversion , necessary scaffolding including the cost of specials but excluding cost of pipe and as per the direction of departmental officers etc.. complete. | | | | | | |
| | Welding | | | | | | |
| | 100mm G I pipe | 41 | | | | | 41.000 |
| | Total | | | | | | 41.000 |
| | Total Quantity in no | | | | | | 41.000 |
| 3 | Supply, erection, testing and commissioning of 20HP submerged pump set | | | | | | |
| 3.001 | OD95641/2022-2023 | | | | | | |
| | Design, Supply, testing, erection and commissioning of submerged pumpsets with required starter, cables etc as per I.E.Rules for an operating head of 140 m and a total discharge of 6.5 lps, including cost of all required protection equipments , relays as per IE Rules , Supply of pressure guages, Electric connection , interconnection with the Raw water pumping main, trail run etc. including cost of 30 m cable length for each pumpset ,specials required for carrying out the connections etc complete. 1. | | | | | | |
| | Submersible pump set having discharge 6.5 lps and head 140 m | | | | | | |
| | Submersible pumpset(Head 140m) | 1 | | | | | 1.000 |
| | Total | | | | | | 1.000 |
| | Total Quantity in set | | | | | | 1.000 |