

**BOQ**

**Name of Work: Water Supply Boring and Construction of Small Slow Sand Filter and Conversion of Existing Filter into Reservoir at 132kV Dhekiajuli GSS, AEGCL.**

**NIT No.: AEGCL/DGM/TTC/TEZ/T-20/2025-26/281 Date 24/06/2024**

**Name of Bidder: .....**

Sl. No.	Description of Items	Unit	Qty	Unit Rate(Rs.)	Amount(Rs.)
1	Labour for boring hole for inserting tube well pipes through different soil/ rock media including hire charges of drill pipes, scaffolding, tools and plants as necessary and taking out the same and lowering pipes, fittings complete as directed by the Department. ii) Bore hole of 100mm diameter	RM	90.00		
2	Supplying, fitting and fixing pipes plain/bevel ended, conforming to relevant IS codes of practice including supplying and fitting of accessories, lowering of assembly pipes concentrically in the borehole followed by supplying and packing of pea gravel free from dirt dust and other foreign materials in the annular space between the borehole and assembly pipes complete as directed by the department. (iv) 90mm diameter	RM	90.00		
3	Supplying, fitting and fixing suction pipes plain/bevel ended, conforming to relevant IS codes of practice including supplying and fitting of accessories, lowering of assembly pipes concentrically in the casing pipes complete as directed. (vi) 80mm diameter	RM	90.00		
4	Supplying including installation of submersible type water supply motor pumpset with all accessories including panel board on C.C. foundation of Proportion 1 :2:4 jammed with M.S. Nuts and Bolts wire rope submersible cable without suction G.!. Pipe including making necessary connection etc. as reqd. complete. 2 H.P.	each	1.00		
5	Wiring for drawing sub-main line with 2x1.5 sq mm P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco/ Anchor or Equivalent Make as approved by the Deptt.) in surface flat 19 mm ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) system, including connection as required complete as directed and specified by the Deptt.	meter	100.00		

Sl. No.	Description of Items	Unit	Qty	Unit Rate(Rs.)	Amount(Rs.)
6	Supplying and fitting gun metal country pit valve (full way valve) I.S.I. Make as specified and directed.	each	7.00		
7	Supplying, fitting and fixing Pipes with all necessary fittings in exposed or in trenches including trenching and refilling the same etc complete as directed.	meter	80.00		
8	Supply and Laying of Coarse Sand & Stone for Filter Bed (including related item)	cum	5.00		
9	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 getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-incharge. 2.6.1 All kinds of soil	Cum	0.71		
10	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with : 7.1.1 Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	3.02		
11	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	7.08		
12	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	1.44		
13	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	699.99		
14	Centering and shuttering including strutting, propping etc. and removal of form for 5.9.6 Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	37.74		
15	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 (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	4.52		

Sl. No.	Description of Items	Unit	Qty	Unit Rate(Rs.)	Amount(Rs.)
16	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT 12 mm cement plaster finished with a floating coat of neat cement of mix : 13.7.1 1:3 (1 cement: 3 fine sand)	Sqm	71.94		
17	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	kg	40.51		
18	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works (for internal Gate of Pump House)	Kg	29.15		
19	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. 0.63 mm thick with zinc coating not less than 275 gm/ m <sup>2</sup>	Sqm	8.06		
20	Cleaning of terrace/loft water storage tank (inside surface area) upto 2000 litre capacity at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre) (if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account)	litre	10,703.13		

Sl. No.	Description of Items	Unit	Qty	Unit Rate(Rs.)	Amount(Rs.)
21	Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm with beading all complete.	sqm	1.80		
<b>Total=</b>					
<b>Add 18% GST=</b>					
<b>Grand Total=</b>					

**Seal and signature of the bidder**