

**BOQ**

**Name of Work:- Water supply boring and construction of Small Slow sand filter for newly constructed administrative building, Depota, AEGCL.**

**NIT No: AEGCL/DGM/TTC/TEZ/T-20/2023-24/218**

**Dated 06/09/2023**

**Name of bidder:** \_\_\_\_\_

Sl. No.	Description of Items	Unit	Quantity	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	50.00		
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	50.00		
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	10.00		
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.I. Pipe including making necessary connection etc. as reqd. complete 2 H.P. Three Phase	Each	1.00		
5	2 HP Three Phase Centrifugal monoblock pump set (Cromton Greaves/Aquatic/CRI/V-Guard/Calma make) 2900 rpm A class insulation with DOL Starter (Cromton Greaves/Control & Switch Gear/ BCH/ L&T/Siemens make). 2 H.P. Three Phase	Each	1.00		
6	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.	RM	100.00		
7	Supplying and fitting gun metal country pit valve (full way valve) I.S.I. Make as specified and directed.	Each	6.00		
8	Supplying fitting and fixing Pipes with all necessary fittings in exposed or in trenches including trenching and refilling the same etc complete as directed.	RM	65.00		
9	Supply and Laying of Coarse Sand for Filter Bed ( including related item)	Cum	4.00		

Sl. No.	Description of Items	Unit	Quantity	Unit Rate(Rs.)	Amount(Rs.)
10	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	0.63		
11	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	1.88		
12	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.	Kg	798.86		
13	Centering and shuttering including strutting, propping etc. and removal of form for	Sqm	65.45		
14	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	6.23		
15	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT mm cement plaster finished with a floating coat of neat cement of mix :	Sqm	63.25		
16	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 )	Kg	105.39		
17	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/ m²	Sqm	8.84		
Total=					
Add 18% GST=					
Grand Total=					