

BOQ/Price BID

NIT NO- AEGCL/DGM/TTC/TEZ/T-20/2022/184 Dated: 21-09-2022

Name of Work:- Diversion of existing water supply pipeline to officers' colony and construction of slow sand water filter at 132/33 KV Sankardevnagar GSS, AEGCL.

Sl. No	Description of Items	Qty	Unit	Unit Rate(Rs.)	Amount(Rs.)
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 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	6.21	cum		
2	Providing soling in foundation and under floor with stone/ best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete. (c).Stone soling of thickness 150mm.	16.56	sqm		
		1.44	sqm		
3	Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in: 6.2.1 Cement mortar 1:4 (1 cement : 4 coarse sand)	1.67	cum		
4	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	4.97	cum		
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level . 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	2.17	cum		
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. 5.22A.6Thermo-Mechanically Treated bars of grade Fe-500D or more.	1501.91	kg		
7	Centering and shuttering including strutting, propping etc. and removal of form for 5.9.2 Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	93.00	sqm		
	5.9.3 Suspended floors, roofs, landings, balconies and access platform	10.56	sqm		
8	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 5.2.2 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)	8.76	cum		
9	Providing precast R.C.C slab over drain ,septic tank etc. in prop. 1:2:4 reinforced with 10mm M.S. bar @ 150mm centre both ways tying with 20 gauge black annealed wire with necessary shuttering , curing etc. complete including fixing in position as directed. a) 100mm thick slab	3.25	sqm		
10	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement. 13.9.1 12 mm cement plaster	4.92	Sqm		
	20 mm cement plaster	108.45	Sqm		
11	Supply and Laying of Coarse Sand for Filter Bed (including related item) rate as per w/oAEGCL/DGM/TTC/TEZ/T-25/2020/2780 Dated 12/10/2020	9.00	cum		

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12	10.25 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. 10.25.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	113.85	kg		
13	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto 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.	11.60	Sqm		
14	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)	30000.00	litre		
15	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work	7.00	metre		
	100 mm nominal dia Pipes	400.00	metre		
16	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work 18.12.8 80 mm dia nominal bore	50.00	metre		
17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 18.17.3 40 mm nominal bore	4.00	Each		
18	Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement :4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick, finished with a floating coat of neat cement complete as per standard design : 18.32.1 With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	4.00	Each		

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19	3 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).	1.00	Each		
20	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.	30.00	metre		
21	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge : 15.44.1 15 mm to 40 mm nominal bore	200.00	metre		
Total (Including GST)=					