

BOQ

Name of Work:- Construction of overhead water tank staging at 132/33 kV Nalbari GSS.

Name of Bidder:-

Sl. No.	Description of Item	Qty	Unit	Rate	Amount
1	<p>Earth work in rough excavation, banking excavated earth in layers not exceeding 20cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead upto 50 m and lift upto 1.5 m :</p> <p>2.2.1 All kinds of soil</p> <p align="right">4 x 0.90 x 0.90 x 1.50 = 4.860 Total = 4.860</p>	4.86	cum		
2	<p>Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar, including filling joints with Jamuna sand, with common burnt clay non modular bricks.</p> <p>soling</p> <p align="right">4 x 0.90 x 0.90 = 3.240 4 x 0.25 x 1.55 = 1.550 Total = 4.790</p>	4.79	sqm		
3	<p>Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :</p> <p>4.1.3A 1:2:4 (1 cement : 2 coarse sand (zone-III) including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 25% : 4 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 25%)</p> <p align="right">4 x 0.90 x 0.90 x 0.100 = 0.324 4 x 0.25 x 1.55 x 0.100 = 0.155 Total = 0.479</p>	0.48	cum		
4	<p>Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.</p> <p>5.22.6 Thermo-Mechanically Treated bars of grade Fe-500D or more.</p> <p>Post 4 x 4 x 7.400 x 1.58 = 187.072 Bottom Raft 4 x 14 x 1.000 x 0.62 = 34.720 Tie beam 4 x 4 x 2.05 x 1.58 = 51.824 Mid beam 4 x 4 x 2.05 x 0.888 = 29.126 Top beam 4 x 4 x 2.05 x 1.58 = 51.824 8 mm ϕ stirups 1 x 313 x 1.00 x 0.395 = 123.635 Top slab 2 x 17 x 2.05 x 0.62 = 43.214 Total in kg = 521.415</p>	521.42	kg		
5	<p>Form work : Centering and shuttering including strutting, propping etc. and removal of form for</p> <p>5.9.1 Foundations, footings, bases of columns, etc. for mass concrete</p> <p align="right">4 x 4 x 0.25 x 1.300 = 5.200 4 x 4 x 0.25 x 5.60 = 22.400 4 x 2 x 0.90 x 0.20 = 1.440</p>				

Sl. No.	Description of Item	Qty	Unit	Rate	Amount
		= 29.040			
	5.9.5 Lintels, beams, plinth beams, girders, bressumers and cantilevers		sqm		
	4 x 2 x 0.25 x 1.55 = 3.100				
	4 x 1 x 0.20 x 1.55 = 1.240				
	Total = 4.340	4.34	sqm		
	5.9.3 Suspended floors, roofs, landings, balconies and access platform				
	1 x 2.05 x 2.05 = 4.203				
	Total = 4.203	4.20	sqm		
6	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 : 5.2.2A 1:1.5:3 (1 cement : 1.5 coarse sand including manufactured sand derived from Recycled Concrete Aggregate (RCA) upto 20% : 3 graded stone aggregate 20 mm nominal size Recycled Concrete Aggregate (RCA) upto 20%				
	Raft 4 x 0.80 x 0.80 x 0.20 = 0.512				
	Column 4 x 0.25 x 0.25 x 6.80 = 1.700				
	Tie beam 4 x 0.25 x 0.25 x 1.55 = 0.388				
	Mid beam 4 x 0.20 x 0.20 x 1.55 = 0.248				
	Top beam 4 x 0.25 x 0.25 x 1.55 = 0.388				
	Roof slab 1 x 2.05 x 2.05 x 0.10 = 0.420				
	Total = 3.655	3.66	cum		
7	12 mm cement plaster of mix : 13.1.1 1:4 (1 cement: 4 fine sand)				
	4 x 5.60 x 0.25 = 5.600				
	3 x 1.55 x 0.25 = 1.163				
	4 x 1.55 x 0.20 = 1.240				
	4 x 1.55 x 0.25 = 1.550				
	2 x 2.05 x 2.05 = 8.405				
	Total = 17.958	17.96	sqm		
8	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : 13.60.1 Two or more coats on new work				
	4 x 4 x 0.25 = 22.40				
	4 x 3 x 0.25 = 4.65				
	4 x 4 x 0.20 = 4.96				
	4 x 3 x 0.25 = 4.65				
	1 x 2 x 2.05 = 8.41				
	Total = 45.065	45.07	sqm		
9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.				
	18.7.5 40 mm nominal dia Pipes 1 x 8.00 = 8.00				
	Total = 8.00	8.00	metre		
	18.7.3 25 mm nominal dia Pipes 1 x 17.00 = 17.00				
	Total = 17.00	17.00	metre		

Sl. No.	Description of Item	Qty	Unit	Rate	Amount
10	Providing and fixing PTMT bib cock of approved quality and colour 18.54.4 15 mm nominal bore, 90 mm long, weighing not less than 93 gms	5.00	each		
11	Elbow 90° for 28 mm outer dia SS pipe of grade 316L as per IS 6911:2017 and conforming to EN-10312 standard	3.00	each		
12	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	2000.00	per ltr		
13	Providing and fixing PTMT extension nipple for water tank pipe, fittings of approved quality and colour. 18.75.3 25mm nominal bore, weighing not less than 62 gms				
		4	x	2.00	= 8.00
				Total	= 8.00
		8.00	each		
14	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 For leather 65x65x6 angle 2 x 5.20 x 5.90 = 61.360 25 mm (Pipe) 19 x 0.50 x 2.41 = 22.895 Surrounding of water tank (Railing) 40 mm (Pipe) 4 x 1.00 x 3.56 = 14.240 25 mm (Pipe) 8 x 2.05 x 2.41 = 39.524 Total = 138.019				
		138.02	kg		

Total =

Add 18% GST =

Grand Total =

Say =