

**ASSAM PROJECT  
ON  
FOREST AND BIO-DIVERSITY CONSERVATION**

**CONSTRUCTION OF NEW RESIDENTIAL COMPLEX  
AT REHABARI, GUWAHATI-781008**

**BILL OF QUANTITIES OF EXTERNAL WATER SUPPLY DISTRIBUTION NETWORK**

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount
				(In Figures)	(In Words)	(in Rs.)
1	<p><b>EARTHWORK IN EXCAVATION</b></p> <p>Earthwork in excavation for foundation trenches of walls, retaining walls, footings of column, steps, septic tank etc. including refilling (return filling) the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified in the following classification of soils including bailing out water where necessary as directed and specified.</p> <p>(A) Upto a depth of 2.00 m below the existing G.L. In ordinary soil</p>	Cu.M.	37.00			

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				(In Figures)	(In Words)	(in Rs.)
2	<p><b>PLAIN CEMENT WORKS</b></p> <p>Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately).</p> <p>(a). In prop. 1:4: 8 (1 cement:3 coarse sand : 6 coarse agg. by volume (using mixture machine)</p>	Cu.M.	6.00			
3	<p><b>REINFORCED CEMENT CONCRETE WORKS</b></p> <p>Providing and laying plain/reinforced cement concrete works cement , coarse sand &amp; 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete work (form work and reinforcement will be measured and paid separately)</p>					

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				(In Figures)	(In Words)	(in Rs.)
	(I) Using mixture machine (A) In sub - structure up to plinth level Foundation, footing, columns with base tie and plinth beam, pile cap, base slab, retaining walls, walls of septic tank, inspection pit and the like and other works not less than 100mm thick up to plinth level. I) Without using admixture, plasticiser a) M20 grade concrete or Prop. 1:1.5:3	Cu.M.	1.50			
4	<b>TIMBER SHUTTERING (FORMWORK)</b> Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc., height of propping and centering below supporting floor to ceiling not exceeding 4.0M and removal of the same for in-situ reinforced concrete and plain concrete work in: Foundation, footings, bases of columns, pile cap, raft and mass concrete works etc. (a) Using 25mm thick plank	Sq.M.	12.00			

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5	<p><b>MASONRY WORKS</b></p> <p>Providing <b>soling</b> 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. (a).Brick on flat soling.</p>	Sq.M.	12.00			
6	<p>Brick work in cement mortar with 1st class brick including racking out joints and curing complete as directed.</p> <p><b>(I) In Sub-structure</b> up to plinth level including dewatering if necessary (b). In proportion 1:4.</p>	Sq.M.	1.50			
7	<p><b>CEMENT PLASTERING</b></p> <p>15 mm thick Cement plaster in single coat on rough side of single or half brick wall for interior plastering up to 1st floor level including arises, internal rounded angles, not exceeding 80mm girth and finished even and smooth including curing complete as directed. <b>A) On rough side</b> <b>(a). In cement mortar 1:4</b></p>	Sq.M.	7.20			

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8	<p><b>STEEL &amp; IRON WORKS REINFORCEMENT</b></p> <p>Supplying, fitting and fixing in position reinforcement bars conforming to relevant I.S. Code for R.C.C. work/ R.B. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete.</p> <p>a) From Primary Producer: TATA/SAIL (i) Super Ductile (SD) TMT reinforcement bars</p>	Qtl.	0.60			
9	<p><b>PIPING</b></p> <p>Supplying fitting and fixing Pipes with all necessary fittings in exposed or in trenches including trenching and refilling the same etc complete as directed.</p> <p>A) G.I. pipe with GI fittings a) TATA / SAIL (Medium) (i) 25 mm diameter</p>	R.M.	20.00			
(ii)	40 mm diameter	R.M.	35.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount
				(In Figures)	(In Words)	(in Rs.)
(iii)	65 mm diameter	R.M.	136.00			
(iv)	80mm diameter	R.M.	195.00			
10	Supplying fitting and fixing check valve (non return valve) including thread to pipes.					
(i)	25mm diameter	Each	2			
(ii)	40mm diameter	Each	2			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount
				(In Figures)	(In Words)	(in Rs.)
(iii)	65 mm diameter	Each	8			
(iv)	80mm diameter	Each	8			
<b>TOTAL : 'Rs.</b>						

Date & Seal:

Signature of the Contractor :