

**ASSAM PROJECT
ON
FOREST AND BIO-DIVERSITY CONSERVATION
CONSTRUCTION OF NEW RESIDENTIAL COMPLEX
– AT REHABARI, GUWAHATI - 781 008.**

**BILL OF QUANTITIES OF CIVIL WORKS
FOR
CONSTRUCTION OF COMPOUND WALL & GATE**

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
1	EARTH WORK IN EXCAVATION 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. (A) Up to a depth of 2.00m below the existing ground level. (a) In ordinary soil	Cu.M.	2170.00			
2	PLAIN CEMENT CONCRETE WORKS 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).	Cu.M.	117.00			

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	(a) In prop 1cement: 3 sand :6 coarse aggregate by volume					

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	REINFORCED CEMENT CONCRETE WORKS					
3	<p>Providing and laying plain/reinforced cement concrete works cement , coarse sand & 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> <p>(I) Using mixture machine</p> <p>(A) In sub - structure up to plinth level</p> <p>(i) 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.</p> <p>I) Without using admixture, plasticiser</p> <p>a) M25 grade concrete</p>	Cu.M.	240.00			
	<p>(B) In super-structure from plinth level upto 1st floor level.</p> <p>(ii) Columns, pillars, posts, struts, suspended floor, roof, landing, shelf and support, balcony, lintel, sill band, beam, girder, bressumer, cantilever, staircase (except spiral staircase and landing) including preparing the top surface and finishing of nosing.</p> <p>I) Without using admixture, plasticiser</p> <p>a) M25 grade concrete</p>	Cu.M.	20.00			

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4	TIMBER SHUTTERING (FORMWORK) 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: (i) Sides of tie beams, grade beams etc. at or below ground level. (a) Using 25mm thick plank	Sq.M.	830.00			
(ii)	Columns, Pillars, Posts & Strut (a) Square, Rectangular, polygonal in plan or any shape like Tee/L etc. having plane vertical face (a) Using 38mm thick plank	Sq.M.	200.00			
5	MASONRY WORKS 230mm thick brick wall in cement mortar with 1st class brick including racking out joints and curing complete as directed in structure (I) In Sub-structure upto plinth level including dewatering if necessary (a). In proportion 1:4.	Sq.M.	48.00			

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6	IN SUPERSTRUCTURE. 1st class brick nogged wall in cement mortar including racking out joints and curing complete as directed in super structure above plinth up to 1st floor level (protruding M.S rod/Tor steel of column to be embeded in cement mortar and will be measured and paid separately) (A) 112mm thick brick wall (a) In cement mortar in proportion 1:4. (1 cement:4 sand)	Sq.M.	530.00			
7	STONE MASONARY WORK Stone masonry work in retaining wall, wing wall, abutment, foundation, steps, plinth etc. in cement mortar in prop 1:6 with levelling course of 1:6:12 with both faces hammer dressed including bonding, providing face stone, through stone and centering including racking of joints, curing and supplying and all carriage of stone as directed including payment of forest royalty and sales tax and carriage. (a) Random Rubble Masonry	Cu.M.	22.00			
8	CEMENT PLASTERING 10 mm thick Cement plaster in single coat on fair side of brick/concrete walls for interior plastering up to 1st floor level including arises or rounded angles not exceeding 80mm girth and finished even and smooth including curing complete as directed. (a). In cement mortar 1:4	Sq.M.	650.00			

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9	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. A) On rough side (a). In cement mortar 1:4	Sq.M.	650.00			
10	GRILLS Providing, fitting and fixing M.S. grill of required pattern for windows/ clerestory windows/ opening with M.S. flats at required spacing in frame all round, square or round M.S. bars with round headed bolts and nuts or screws. I . Plain grill (a) Fixed to Brickwork /P.C.C /R.C.C.	Kg.	1523.00			
11	CEMENT PAINT & PRIMER a) Applying one coat of cement primer of approved brand and manufacture on new wall surface after thoroughly brooming the surfaces free from mortar droppings and other foreign matter and including preparing the surface even and sand papered smooth.	Sq.M.	1300.00			

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12	PAINTING ON STEEL AND OTHER METAL SURFACE Applying primary coat over new steel and other metal surface over 100m in width or girth after preparing the surface by thoroughly cleaning oil,grease, dirt and other foreign matter and scoured with wire brushes, fine steels, wood scrapers and sand paper. a). With ready mixed "red-lead/ red oxide" primer.	Sq.M.	1523.00			
13	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint of approved brand and manufacture(Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surface of all dirt, dust and other foreign matter. (i).Surfaces over 100mm in width or girth. a). High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	Sq.M.	1523.00			
14	Finishing old/ new wall with water proofing weather coat smooth anti-fungal exterior painting of Apex brand of Asian Paints and of required shade after cleaning and clearing the surface etc. including scaffolding complete as directed at all levels (two coats)	Sq.M.	1300.00			

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15	Supplying, fitting and fixing double leaf heavy duty iron gate, frame made from 40mm x 40mm x 6mm M.S. angle and with M.S. flat of 40mm x 6mm size as per approved design. Necessary locking arrangement for temporary closing the gate and 2nos.(minimum) strong iron hinges of M.S bars and flat of same sizes on each leaf to be embedded in C.C brick pillars as necessary including a red oxide painting to all iron works as directed and specified.(Separate payment will be made for posts). STEEL & IRON WORKS REINFORCEMENT	Sq.M.	11.70			
16	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. (No extra measurement for lap, hook, chair, anchor etc. will be entertained in the measurement as they are included in the rate) (Upto 1st floor level) a) From Primary Producer: TATA/SAIL (ii) Super Ductile (SD) TMT reinforcement bars	Qtl.	230.00			
TOTAL =Rs.						

(Rupees

Signature of the Contractor:

Date & Seal :