

CONSTRUCTION OF NEW BOUNDARY WALL AT SBI BHEL RANIBAGH HARIDWAR					
Price Bid- To be filled Online only					
S No	Description of Item	Unit	Qty	Rate	Amount
1	<p>Earthwork in Excavation, manually or by mechanical means (Hydraulic excavator) in all kinds of soil for foundation of walls, column footings, pile caps, raft, foundations, plinth beams, steps, water tanks, cess pits, sumps etc., in all types of soil including soft or hard moorum, boulders (upto 0.10 cum) shoring the sides wherever necessary, bailing/pumping out sub-soil /rain water, necessary shoring, strutting, dressing, levelling compacting the excavated bed to desired levels and keeping the foundation trenches and pits dry including filling back the trenches by selected and approved quality excavated earth in layers not exceeding 20 cm., etc. including stacking top vegetation soil & good available earth for backfilling (at any distance, lead & place arranged by the contractor of his own) complete in all aspects as per drawings and instructions of Engineer in charge.</p> <p>Rate to include necessary cost towards transportation of remaining material rendered surplus out side the Bank's premises/site and disposing the same to place arranged by the contractor of his own with all lead and lift including labour for loading, unloading surplus excavated earth complete as directed by the Bank.</p>	CuM	393.00		
2	<p>Filling approved quality available excavated surplus good earth or muram- excluding rock etc. in trenches, plinth, plinth protection, under floors, sides of foundations etc. spreading in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming (manually or mechanically), dressing, levelling, watering, compacting etc. complete with all lead, lift & transportation within the site/plot/premises as per drawings and instructions of Engineer in charge.</p> <p>Required finished compacted volume shall be measured for payment.</p>	CuM	280.00		
3	<p>Providing and laying PCC (plain cement concrete) M10 grade concrete, 1:3:6 by volume (1 part of cement: 3 parts of coarse sand: 6 parts of stone aggregates of size 20mm and downgraded) ,M10 under foundation, plinth protection,grade slabs, coping, cill concrete etc. manufactured in a fully automatic batching plant and transported to site of work in transit mixers having continuous agitation, for all leads and placing/pumping from Transit mixers to site of laying ,spreading, ramming, compacting as per requirement, finishing in line, level and plumb, curing etc. including the cost of centering, shuttering complete in all respect as per specification or as directed by Architect/Engineer.</p> <p>M-10 grade plain cement concrete (cement content considered @ 220 kg/cum)</p>	CuM	46.00		
4	<p>Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc., up to floor five level, excluding the cost of centering, shuttering and finishing :</p> <p>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).</p>	CuM	114		
5	<p>Providing and laying in position ready mixed M-25 cement concrete for reinforced cement concrete work for all levels below and above plinth for RCC structural elements, viz. footing, columns, beams, slabs, raft, lintel, floor /plinth beams, plinth beam ledges, grade on slab, walls parapets boxes, folded plates, chajjas, mullions, retaining walls, shear walls, rcc pardi, fins, staircases, overhead and underground water tanks, mangers etc. in any shape and as per structural design and as directed using OPC 53-grade cement with cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixers having continuous agitation, for all leads and heights including placing/pumping of RMC from Transit mixers to site of laying of concrete, spreading, compacting and finishing the surface in line, level and plumb as per requirement and curing etc. including the cost of admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, improve workability without impairing strength and durability but excluding reinforcement, as per direction of Engineer-in-charge.</p>				

S No	Description of Item	Unit	Qty	Rate	Amount
	(Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately)				
5.1	All works up to plinth level.	CuM	115.00		
5.2	All works above plinth level up to floor V level.	CuM	17.00		
6	Providing & laying and fixing in position high strength deformed steel bars of minimum grade Fe 500 TMT bars conforming to IS : 1786/1139 for RCC structures including straightening, cutting, bending and binding in position of steel reinforcement bars to correct shape and size as per detailed drawings, specifications and approved bar-bending schedules, including preparing & maintaining bar bending schedules in substructure / superstructure walls, columns, slabs, beams, water tanks, Septic tank etc.; with correct size super fine micro concrete cover blocks and annealed binding wire (G.I.) of 18 gauge including dewatering to keep site dry etc. complete for all heights and depths below and above plinth level including staging, scaffolding etc. as per specification or as directed by the Engineer in charge. Measurement of steel is strictly as per I.S. Code. No extra for bending will be permitted. (Approved Makes- JSW, TATA, SAIL, Jindal Steel & power)	Kg	14,000.00		
7	Centring and shuttering including strutting,propping, etc. and removal of form for:				
7.1	Foundation, footings, bases of columns etc. for mass concrete.	SqM	193.00		
7.2	Lintels,beams,plinth beams,girders,bressumers and cantilevers	SqM	330.00		
7.3	Columns ,Pillars ,piers ,Abutments ,Posts,and Struts	SqM	335.00		
8	Providing and constructing 230 mm thick (or above) brick masonry walls for superstructure above plinth level & up to highest floor level with well burnt uniform size and colour locally available approved quality bricks of class 7.5 with minimum crushing strength not less than 75kg/cm ² in Cement Mortar 1:6 (1 cement : 6 coarse sand) for walls, shaft walls, parapets, drains, manholes, trenches etc. in proper line, levels and plumb including striking out / raking out joints, curing, necessary scaffolding, etc. complete for all heights and levels in substructure and super structure as per the approved drawing and as per instructions of Architect / Engineer in charge.	Cum	166.00		
9	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,ladders,railings brackets,gates & similar works	Kg	486		
10	Providing and applying single coat average 15 mm thick smooth face finish cement plaster in cement mortar (1 cement : 4 coarse sand) including approved waterproofing compound (Sikka / DrFixit or equivalent) in the proportion approved by the manufacturer of the said waterproofing compound and in proper line, level, plumb with grooves, bands, drip moulds, curing, scaffolding etc as required at all heights and locations complete in all respects and as per instructions of Architect/Engineer. (Location : External side of masonry walls, parapet walls, all shafts inner side.)	SqM	812.00		
11	Providing and applying average 12mm thick cement plaster in a single coat in cement mortar 1:4 without neeru finish with Natural sand to concrete or brick surface in all positions, heights & leads including providing fibre-mesh / chicken mesh at joints of brickwork and concrete and making good the chase cut for the purpose of electrification / plumbing, filling all gapes along the wooden door frames, Making moist the surface before plastering & curing the plaster surface for minimum 7 Days, scaffolding etc. complete as directed by the Architect/ Engineer in charge.	SqM	812.00		
12	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)	SqM	1,624.00		
13	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. Two or more coats on new work over an under coat of suitable shade with ordinary paint/primer of approved brand and manufacture	SqM	35		
	Total				-
	GST extra as applicable				