

PRICE BID FOR BOQ FOR CONSTRUCTION OF 1ST FLOOR AT SME BRANCH BUILDING AT BALASORE					
PART - I (FIRST FLOOR OF SME BUILDING)					
SI.No.	DESCRIPTION	Qty	Unit	Rate (Rs.)	Amount (Rs.)
1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	7.00	Cum.		
2	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	9.00	Cum.		
3	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
	For thickness of tiles above 25 mm and up to 40 mm	104.00	Sqmt.		
4	Cleaning and straightening reinforcement from R.C.C. or R.B. work.	877	Kg.		
5	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-charge				
	With cement mortar 1;4 (1 cement : 4 fine sand)	159.00	Sqm.		
6	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	30.00	Cum.		

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7	Providing brick masonry work of Full Brick thick including parapet corbelling/cornice (design brick masonry) work & Half Brick thick wall including 50 mm thick 1:2:4 R.C.C. band with 2nos. 6mm dia M.S. steel bar in every 4th layer using K.B. Bricks having minimum crushing strength of 50 Kg/cm ² with necessary scaffolding, watering and curing and cutting of brick into required shape & size etc. at all level including cost of conveyance, royalties and taxes of all materials & cost of labour, T&P required for the work etc., complete.				
i)	Full Brick thick in C. M. (1:6).	19.00	Cum.		
ii)	Half Brick thick in C.M. (1:4) with reinforcement every third layer	6.00	Sqm.		
8	Providing R.C.C. M-20 design mix not linear than 1:1.5:3 proportion by volume with 20mm size crusher broken down graded granite chips, coarse sand including hoisting and laying concrete by suitable means with curing including cost and conveyance, royalties and taxes of all materials and labour required for the work etc. complete in all respect but excluding cost of reinforced steel rod and cost of labour charges for bending, binding and tying the grills hoisting of steel bars etc. and cost of centering & shuttering.	25.00	Cum.		
9	Providing and fixing rigid smooth form work for R.C.C. work making out of shuttering ply confirming to I.S. : 4990-1998 or marine ply confirming to I.S. – 710 including strutting and propping. Laying of water proof paper or plastic sheet to the horizontal as well as beam sides surface to make water tight shuttering and also removal of form work in column, shaft, beams, slab, staircase, lintel, chajja, fins etc. including the cost of all labour, materials. (Only the area in contact with concrete will be measured).				
	i. Column, Beam, lintel	81.00	Sqm.		
	iii. Roof slab, chajja	99.00	Sqm.		

10	Providing, straightening, bending, binding and placing in position Thermo-Mechanically treated (TMT) Bars manufactured by SAIL / TISCO / RINL (SAIL TMT 415 / TISCON TMT 42 / REBARS 415 and above grade as per availability) conforming to IS: 1786 for reinforced cement concrete work including distribution bars, stirrups, binders etc. including initial straightening, removal of loose rust (If necessary cutting to requisite length, hooking, bending and binding to correct shape placing in proper position and binding with 20 gauge black annealed wire at every intersection complete as per drawing and direction (Payment to be made on actual quantities of reinforcement used in the work as per drawing and direction, weight calculated as per standard tables with three places of decimal. No extra for wastage beyond standard, overlaps, spacer, chairs or rolling margin shall be paid for, weight of binding wire shall not be measured separately for payment, its cost be included in the rate of reinforcement).	3.50	MT		
11	Providing and laying plaster to walls, columns, bands, fins etc., with sand cement mortar including racking out joints roughening the concrete surface rounding off or chamfering & filling of the protruded surface of the bricks where necessary as per direction including working in narrow width with cost of all labour, materials, scaffolding, curing etc. complete in all floors in all respects as required for the completion of the work.				
	16mm thick cement plaster in the proportion (1:6) to all levels to external surface of the walls.	98.00	Sqm.		
12	Providing and laying plaster to walls, columns, bands, fins etc., with sand cement mortar including racking out joints roughening the concrete surface rounding off or chamfering & filling of the protruded surface of the bricks where necessary as per direction including working in narrow width with cost of all labour, materials scaffolding etc. complete in all floors in all respects as required for the completion of the work.				
	12mm thick cement plaster in the proportion (1:6) to internal surface of the walls, columns, beams shelves/ chajjas etc.	91.00	Sqm.		

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13	Providing and laying 6mm thick cement plaster in the proportion of (1:4) to ceilings, chajjas, soffit and sides beams, fins, railing and projections if any at all levels.	140.00	Sqm.		
14	Providing and applying one coat of cement based readymade putty to internal surface of reputed make to walls, columns, beams, ceiling etc. (as per manufacturer's specification) including all labour and materials complete in all floor.	426.00	Sqm.		
15	Providing and applying two or more coats of weather coat/weather shield of approved colours and shade to give an even shade to the interior surface of walls, ceiling, etc. including necessary scaffolding etc. complete including cost of all materials, labour, T&P etc.	207.00	Sqm.		
16	Providing and applying two coats of plastic emulsion paint to walls, columns, beams, ceiling etc. over a coat of primer (as per manufacturer's specification) including all labour and materials complete in all floor of approved shade and brand.	231.00	Sqm.		
17	Supplying, fitting and fixing of properly welded M.S. grills to opening of windows as directed by Architect. as per the drawing and design with enamel paint of approved colour two or more coat over a coat of primer.	368.06	Kg.		
18	Providing and applying two coats of synthetic enamel paint of approved brand over a coat of Zinc primer on steel work surface after scrapping the surface properly including scaffolding, labour, materials, taxes, T&P, etc. complete.	17.00	Sqm.		
19	Providing and laying polished vitrified floor tiles approx. sizes of 600 x 600mm and + 05mm variation in size, thickness of 10mm with + 1% variation with water absorption less than 0.05% and flexural strength not less than 47 N/mm ² in all colours and shades laid on minimum 20mm thick or as required to maintain the level cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joints with white cement and matching pigments including cost of all materials, labour etc. complete.	107.00	Sqm.		

20	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.	107.00	Sqm.		
21	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying:				
	(a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm				
	mixed with water proofing cement compound @ 0.253 kg/sqm.				
	(b) laying second layer of Fibre glass cloth when the first layer is still green.				
	Overlaps of joints of fibre cloth should not be less than 10 cm.				
	(c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/				
	sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse				
	sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by				
	water curing for 48 hours. The entire treatment will be taken upto 30 cm on				
	parapet wall and tucked into groove in parapet all around.				
	(d) fourth and final layer of brick tiling with cement mortar (which will be paid				
	for separately.				
	For the purpose of measurement the entire treated surface will be measured.	112.00	Sqm.		
22	Providing and fixing 100mm dia HDPE rain water pipe with spigot & socket and all necessary HDPE specials such as tees, bends, loose, sockets, shoes clamps etc. including jointing materials as per the manufacturer's specification, cutting holes in the walls and floors and mending good the same, with fixing the vertical line by PVC clamps of approved design including providing seasoned hard wood wedge fixed to wall including necessary cutting holes in walls and mending good the damage in cement mortar (1:6) including fixing the clamp to water wedges with brass screws using grill necessary scaffolding etc. The joints are to be filled with spurn yarn soaked in tarred and cement mortar (1:2).	25.00	Rmt.		

23	Providing and fixing anodized aluminium work for doors and windows with extruded built up standard tubular and other sections of approved make conforming to IS: 733 and IS: 1285, anodized transparent or dyed to required shade according to IS: 1868 (minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips or with expansion hold fastners including necessary filling up gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/paneling, C.P.brass / stainless steel screws, all complete as per architectural drawings and direction of the Architect/Engineer.				
	a.For openable and fixed windows, ventilator to the external openings including providing and fixing friction hinges / pivots, 5.50mm colour glass, PVC/ neoprene gaskets, poly sulphide sealant, including locking arrangements & fixtures as per direction of the Architect.	17.00	Sqm.		
24	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :	14.00	nos.		
25	Olding 16mm to 25mm reinforcement steel including cost of conveyance, royalties and taxes of all materials & cost of labour, T&P required for the work etc., complete.	260.00	Point		
26	Cemical grouting 15mm to 25mm reinforcement steel including cost of conveyance, royalties and taxes of all materials & cost of labour, T&P required for the work etc., complete.	84.00	nos.		
27	SRI PAINTS ON ROOF				

	Supply and Application of 2 Layer SRI Coating System on non-leaking cementations roof surface by thorough surface preparation followed by Waterproofing, nano-tech modified, UV resistant elastomeric clear coat having min. 50% solids, then overcasting with 2 Coats of Thermacool 0.3C pure acrylic based, UV resistant, non-yellowing, bio-organism resistant (anti-fungal, anti-bacterial) solar IR Heat Reflective coating conforming to BIS STD S 17218:2019 with 2000 hrs accelerated durability test, suitable for all types of cementations surfaces, white colour, matt, surface coverage 3.25 sqm/Ltr/ 2 coat, DFT 100-120 microns using brush, roller, airless spray gun as applicable, The product should have been tested at IIT or NABL Approved Lab and application is to be done by Thermacool approved applicato	426.76	Sqm.		
28	PH WASHROOM				
	provision & fixing stainless grap in the wash room of suitable size as per the site condition.	2.00	nos.		
29	WATER HARVESTING PIT				
	Underground Rain Water Harvesting Tank				
	Rain Water Harvesting Tank Capacity - 10000 Lit				
a	Earth Work				
	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width aswell as 10 sqm on plan) including getting out and disposal of excavatedearth lead upto 50 m and for all lift, as directed by Engineer-in-charge.				
	All kinds of soil	27.42	cum		
b	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.	11.61	cum		
c	Concrete Work				
	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)	1.24	cum		

d	Providing and laying in position ready mixed or site batched design mix cement concrete for plain cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana/Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing as per direction of the engineer-in-charge; for the following grades of concrete.				
	All works upto plinth level : Concrete of M25 grade with minimum cement content of 300 kg /cum				
	Concrete of M25 grade with minimum cement content of 300 kg /cum	11.21	cum		
e	REINFORCED CEMENT CONCRETE				
	STEEL REINFORCEMENT				
	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
	Thermo-Mechanically Treated bars of grade Fe-500D or more.	1345.2	Kg		
f	MASONRY WORK				
	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
	Cement mortar 1:4 (1 cement : 4 coarse sand)	4.89	cum		
g	FINISHING				
	CEMENT PLASTER (IN FINE SAND)				
	12 mm cement plaster of mix :				
h	1:4 (1 cement: 4 fine sand)	88.15	sqm		
i	Neat cement punning	29.75	sqm		
	Distemping with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour :				
	New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	36.05	sqm		
j	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :				
	Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm	36.05	sqm		

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k	560 mm dia cover with frame (Heavy duty)	2	each		
	TOTAL(EXCLUDING GST)				