

N.O.W. - FURNISHING OF STATE BANK OF INDIA**BASSI PATHANA BRANCH****ESTIMATE FOR THE CIVIL WORKS.**

S.No.	DSR REF.	Item	Quantity	Units	Rate	Amount
1		<u>VITRIFIED TILE FLOORING 600MM X 1200MM</u>				
	11.41	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. (Italian Marble Shade Digital Tiles from Johnson and Johnson, Kajaria, Somany etc)	306.69	SQM		
		NOTE: THE WORK AND THE RATE QUOTED SHALL ALSO INCLUDE FILLING OF THE EXISTING SUNKEN PORTION WITH PCC AND ALL THE CONCRETE, SHUTTERING WORKS TO MAKE PROVISIONS FOR THE STEPS AS PER THE APPROVED DESIGN, INCLUDING THE VERTIVAL DPC REQUIRED AND NECESSARY DISMANTLING OF EXISTING FLOOR AND STEPS INCLUDING DISPOSAL OF MALBA AT NEARBY DUMPING MC SITE.				
	11.41.2	Size 600mm x 1200mm				
2		<u>VITRIFIED TILE FLOORING 400MM X 400MM</u>				
	11.41	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. (PAVER ANTISKID ROUGH TEXTURE 12MM THCIK Tiles from Johnson and Johnson, Kajaria, Somany etc)	139.41	SQM		
	11.41.2	Size 400mm x 400mm				
3		<u>HALF BRICK MASONARY</u>				
	6.12	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure :				
	6.12.2	cement mortar 1:4 (1 cement : 4 coarse sand)	23.70	SQ.M		
4		<u>FULL BRICK MASONARY</u>				
	6.4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level and in foundations (including the cost of excavation and re-filling as required) in all shapes and sizes in :				
	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	6.92	cu.m		
5		<u>PLASTERING</u>				

	13.1	12 mm cement plaster of mix :				
	13.1.1	1:4 (1 cement: 4 fine sand)	32.93	SQ.M		
6	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :				
	13.2.1	1:4 (1 cement: 4 fine sand)	32.93	SQ.M		
7		<u>WALL/FLOOR TILES</u>				
	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer- in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	36.64	SQ.M		
8	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	7.16	SQM		
9		<u>PUBLIC HEALTH</u>				
	17.78	Providing and fixing white vitreous china normal English Type wc including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	2.00	NO.		
10	NS	Providing and fixing UPVC pipes 6kg pressure for soil and waste water pipes with required specials like bends/tees/union etc. Including making the base and covering the same with cement concrete 1:3:6 as per the direction of the engineer-in-charge.				
		75mm dia pipes	13.72	M		
11	NS	100mm dia pipes	32.01	M		
12	NS	Providing and fixing vitreous china wash basin with pedestal including the CP waste complete with required brackets/rawl plugs etc.	2.00	EACH		
13	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including PVC. waste fittings complete.				
	17.28.1	Semi rigid pipe				
	17.28.1.1	32 mm dia	3.00	EACH		

14	18.11	Providing & Fixing CPVC pipes complete with fittings and clamps including making good the walls etc. concealed pipe including jointing with the chemical/adhesive, cutting chases and making good the wall:				
	18.11.1	15 mm dia nominal bore	21.34	RM		
15	18.11.2	20 mm dia nominal bore	16.77	RM		
16	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
	18.53.1	15 mm nominal bore	9.00	EACH		
17	NS	Providing and fixing C. P. Brass Center Hole Mixture/ SINK MIXTURE of approved quality conforming to IS:8931	3.00	EACH		
18	NS	Providing and fixing the CP Brass connections for the connections from angle valve to the wash basin mixture. The pipe shall have brass ends complete with rubber gaskets etc.	9.00	EACH		
19	NS	Providing and fixing 100mm dia. Floor traps complete with the CP. Brass grating both normal grating and grating below the wash basins with and hole for the waste pipe.	7.00	EACH		
20	NS	providing and fixing of complete CP brass accessories set for toilets (towel rail, hand towel rail, paper holder, tooth paste stand, soap dishes for wb's and bathing area etc) as per the direction of the Architect.	2.00	EACH		
21	NS	Providing and fixing the CP brass hand Jet for ablution complete with the PVC connection etc.	2.00	EACH		
22	18.5	Providing and fixing C.P. brass bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.				
	18.50.1	15 mm nominal bore	2.00	EACH		
23		Providing and fixing urinal in the Gent's toilet with complete fittings and hardware. The cost shall include providing and fixing of one ceramic partition also. (of approved make)	1.00	EACH		
24	NS	Providing and fixing handmade stainless steel sink with sink mixture and all accessories including the cost of cutting of the granite/slab/tiles. Single Bowl 250 mm deep.	1.00	EACH		
25	NS	Providing and fixing Black Granite for the counters/outer verandahs /floorintg/skirting etc including the cost of providing single moulding and polishing the same. The cost shall also include the cost of making the sub-base and fixing the granite with neat cement slurry and filling the joints with grout of desired shade as per the direction of the Engineer-in-charge.	50.06	SQ.M		

26	4.1.5	1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)	13.81	CU.M		
27	NS	Providing and laying RCC slab for the Kitchen Platform 3" thick including the cost of shuttering AND reinforcement and any other sundries required. The work shall also include keeping the provisions for the sink as per the required size	2.60	SQ.M		
		The steel reinforcement shall be 10mm dia bars @ 5"c/c bothways.				
28	NS	Dismantling the existing walls/rcc/floor/furniture/wiring etc. complete, providing the required supports in terms of steel girders/rcc beams and making good the surfaces damaged or as per the direction of the engineer-in-charge. The work shall also include removal of the same to an appropriate location as permissible to the local authorities or as per the direction of the Engineer in-charge. (Note: The amount is expected after deduction of amount to be deducted for the buyback of the existing furniture)	1.00	LS		
29	22.8	Providing and laying four courses water proofing treatment with bitumen felt over roofs consisting of first and third courses of blown bitumen 85/25 or 90/ 15 conforming to IS : 702 applied hot @ 1.45 Kg per square metre of area for each course, second course of roofing felt type 3 grade-I (hessian based self finished bitumen felt) and fourth and final course of stone grit 6 mm and down size or pea sized gravel spread at 6 cubic decimeter per square metre, including preparation of surface but excluding grading complete with :	353.16	SQ.M		
	22.8.1	Bitumen felt (hessian base) type 3 grade I conforming to IS : 1322				
30	9.48	Providing and fixing M.S. grills/grill gate/shutter made of required pattern in frames of windows/openings etc. with M.S. flats, square or round bars, MS Sheets etc. complete with locking arrangement as per the direction of the engineer-in-charge including enamel finished coats over approved steel primer complete.	30.00	SQ.M		
	1	The Grills for the windows shall have 12mm square bars placed @ 75mm c/c bothways and fixed to MS Flat of 50mm x 4mm frame.				
	2a	Rolling shutter can be hand operated . Hand operated shutters are of push and pull type. The shutter consist of 80 mm wide MS laths 1.25 mm thick or gauge as specified of mild steel sheet machine rolled. Laths are inter-locked together throughout its entire length and jointed together at the end with end locks. These are mounted on specially designed pipe shaft.				
	b	Cold Rolled Steel Strips used for rolling shutter lath sections shall conform to temper No. 5, Dead soft quality of IS:4030.				

	c	GI Sheets and Plates used for manufacturing the guide channels, brackets and lock plate should be of hot rolled steel of thickness not less than 18 gauge conforming to IS:5986. These shall be free from surface defects and the edges shall be cleanly sheared. All components of rolling shutter to be hot dip galvanised with a zinc coating containing not less than 97.5% pure zinc. The minimum weight of zinc coating to be 230 g/sq.m.. The coating shall be free from flaking/peeling.				
	d	GI Pipes used for the suspension shaft of the roller should be heavy duty pipe suitable for mechanical purposes and shall conform to IS:1161.				
	e	Cast Iron Castings used for roller pulley wheels, U-clamps shall conform to Grade 15 of IS:210. These should be free of blow holes, surface defects such as cracks, burrs etc.				
	d	<p>The springs used in the roller for counter balancing the rolling shutter should be made either from high tensile spring steel wire or flat spring steel strip. The spring steel wire used or helical spring should conform to Grade 2 of IS:4454. Flat spring steel strip used for spiral spring shall be from 0.8 to 1.0 percent carbon steel strip especially hardened and tempered.</p> <p>Both the side guides and bottom rails are jointless and of single piece of pressed steel of minimum 16 gauge thickness. The top cover of shaft, spring etc. should be of the same materials as that of lath.Hood, brackets etc. are required to cover the shaft etc. The reduction gear arrangement operated by the mechanical device should be of the best quality and easy in operation.</p>				
	3a	The collapsible Grill gate shall be as per IS : 10521- 1983				
	1	Vertical Channels - These shall be hot rolled medium channels of at least 18 x 9 x 3 mm and shall be of weldable quality mild steel conforming				
	2	Crossings or Lacings - These shall be flats of mild steel of at least 18 X 5 mm				
	3	Top and Bottom Runner - Tees or 'E's used for bottom runner shall have minimum web of 40 X 12 mm and flange of 40 x 6 mm, and the flats used for top runner shall be of minimum size 40 x 12 mm.				
	4	Roller Wheels - These shall be of grey iron castings conforming to grade FG 150				
	5	Spacer or Sockets - These shall be of cast aluminium				
	6	Rivets - These shall not be less than 6 mm diameter, snap headed				
31	NS	<u>Plastic Emulsion paint</u>				
		Providing and applying Plastic Emulsion paint three coats to give an even shade after preparation of surface for painting by scrapping etc. & filling including applying 2 coat of P.O.P to give a smooth surface, complete in all respects (Colour to approval) applicable to old or new.	250.00	SQ.M		
32	NS	<u>External Emulsion paint</u>				

		Providing and applying External Emulsion paint three coats to give an even shade after preparation of surface for painting by scrapping etc. & filling including one primer coat, complete in all respects (Colour to approval) applicable to old or new.	350.00	SQ.M		
		Total Value of Works				