

<u>N.O.W. - FURNISHING OF STATE BANK OF INDIA</u>						
<u>SME ROPAR BRANCH</u>						
<u>PRICE BID FOR THE CIVIL WORKS ADDITIONAL</u>						
S.No.	DSR REF.	Item	Quantity	Units	Rate	Amount
		PCC FOR THE SUB- BASE				
1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.5	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	2.13	CU.M	6,750.00	
		Note: The work shall require removal of existing brick on edge flooring if required as per the instruction of the engineer-in-charge and stacking of material at an appropriate location within the premises. No additional cost shall be paid for the same.				
		WATER PROOFING OF THE TERRACE				
2		Providing and Applying 2 coats of waterproofing chemical (Cement based Polymer/Acrylic modified highly flexible waterproof coating) taking care the subsequent coat is applied after the previous coat is touch dry as per the literature of waterproofing chemical. The coats must be applied at right angles to each other @ 2 Kg per Sq mt. The work shall include the following preparation of surface	14.31	SQM	630.00	
	1	Rake the construction joints to remove loose concrete from the joint.				
	2	Clean the RCC Substrate of all oil, grease and loosely adhering particles including removal of the existing waterprrofing material.				

	3	Repair the RCC with rich cement-sand mortar (1:2) and chemical if there are any crack (more than 1 mm wide), pinholes, etc.				
	4	Wet the RCC substrate by sprinkling water.				
	5	Repair the RCC with rich cement-sand mortar (1:2) and chemical if there are any crack (more than 1 mm wide), pinholes, etc.				
	6	Wet the RCC substrate by sprinkling water.				
		NOTE: THE VENDOR SHALL GIVE WRITTEN WARRANTY FOR THE WATER PROFFING FOR A PERIOD OF FIVE YEARS.				
		MAKE: WATER PROOFING COMPUND: SIKA, PIDILITE, BERGER, FOSROC, ASIAN PAINTS				
3		<u>ACP SHEETS WALL PANELING</u>				
		Providing and fixing Aluminium Composite Panel wall cladding with the 3mm thick PVDF coated aluminium composite panel (ACP) (0.25 mm coil thick) with frame of alumimnium channels (25 x 50 x 1.6mm), cleat angle (8 x 18 x 2mm) necessary hardware, backup material and weather sealant to make the joints leak proof. The spacing for the channel along the lenght and spacing of cleat on the perpendicular shall not be more than 600mm.	81.04	SQM	2,500.00	
		MAKES:(Indo Bond/Alistone/Eurobond/Aludecor)				
4		<u>EXCAVATION</u>				
	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in charge.				
	2.6.1	All kinds of soil	Cum	4.94	300.00	

5		<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 back-filling as required) in all shapes and sizes in :				
	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	14.11	cu.m	8,000.00	
		MAKES:				
		BRICKS: FIRST CLASS BRICKS				
		CEMENT: ULTRATECH/ACC/AMBUJA				
6		<u>PLASTERING</u>				
	13.1	12 mm cement plaster of mix :				
	13.1.1	1:4 (1 cement: 4 fine sand)	61.71	SQ.M	300.00	
		MAKES:				
		CEMENT: ULTRATECH/ACC/AMBUJA				
7	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)	61.71	SQ.M	350.00	
		MAKES:				
		CEMENT: ULTRATECH/ACC/AMBUJA				
8		<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 with 3mm thick groves all around including grouting the joints with epoxy of matching pigments etc., complete. (Italian Marble Shade Digital Tiles from Johnson and Johnson, Kajaria, Somany etc)	10.22	SQM	1,350.00	
	11.41.2	Size 600mm x 1200mm				
		MAKES:				
		VITRIFIED TILES: KAJARIA, JOHNSON AND JOHNSON, ORIENT AND EQUIVALENT.				
		CEMENT: ULTRATECH/ACC/AMBUJA				
9	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.				
	NS	100mm dia pipes	4.57	M	380.00	
		MAKES:				
		UPVC PIPES : SUPREME/ASTRAL/PRINCE OR EQUIVALENT				

10	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.	9.29	SQ.M	3,200.00	
11	4.1.5	1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)	3.53	CU.M	6,259.10	
12	NS	Providing and laying RCC slab with mix 1:1.5:3 (one cement: 1.5 sand: 3 aggregate) 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	13.38	SQ.M	3,500.00	
		The steel reinforcement shall be 10mm dia bars @ 5"c/c bothways.				
13	NS	Providing and laying RCC lintel for the doors of 230mm x 230mm in RCC with mix 1:1.5:3 (one cement: 1.5 sand: 3 aggregate) including cost of 7-16mm dia bars and rings of 8mm dia placed @ 5"c/c. The work shall include the cost of required shuttering or any other sundries.	3.51	RM	2,500.00	
14	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.	10.00	SQ.M	145.00	
		MAKES:				

		PAINTS : ASIAN/NEROLAC/DULUX/BERGER				
15	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.	180.00	SQ.M	260.00	
		THE WORK SHALL ALSO INCLUDE PROVIDING AND APPLYING TWO COATS OF CEMENT BASED PUTTY AND REMOVAL OF THE EXISTING PAINT WITH SAND PAPER.				
		MAKES:				
		PAINTS : ASIAN/NEROLAC/DULUX/BERGER				
16		<u>DAMP PROOF COURSE</u>				
		Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources)	2.89	SQM	2,500.00	
17		<u>GYPSON BOARD FALSE CEILING WITH STEPS:</u>				
		Providing and fixing suspended false ceiling including steps and provision of cope lighting as per design with 12.5mm tapered edge Gypboard / 12mm thick Elephant Gypsum Board to the grid comprising of cold rolled galvanized metal section to the required line and level. The grid consisting of a perimeter channel fixed round the perimeter. The intermediate channel at 1200mm c/c in the one direction and the ceiling section at 450mm c/c in the other direction to be connected by a connecting clip. The grid to be suspended with an adjustable strap hanger.	8.18	SQ.M	800.00	

		The grid to be suspended with an adjustable strap hanger at 1200mm c/c on both ways from the structural soffit using a soffit cleat and expandable bolts/fasteners Nut and bolts to be used to connect strap hangers to soffit cleats and for joining ends of channel sections together. The gypsum board layers to be screwed to the M/F ceiling sections with gypboard drywall screws. Jointing and screw spotting are then carried out as per manufacturer's standard recommendations. Perimeter Channels to be used around the cut outs for light fittings. A/C ducting etc. The work should be complete as per instructions of Architect or Engineer in charge including 2-3 coats of oil bound distemper , over a coat of primer.				
		MAKES:				
		GYPSUM BOARD: SAINT GOBAIN/USG BORAL/GYPSUM INDIA				
		CEILING SECTIONS: SAINT GOBAIN/USG BORAL/GYPSUM INDIA				
18		GRID FALSE CEILING:				
		Silhouette Grid False Ceiling:- Providing and fixing in true horizontal level false ceiling grid system of Armstrong World Industries. The suspension system shall be the Armstrong Trulok Silhouette revealed profile grid system with 15mm wide flanges incorporating a 3mm or 6mm central recess color, black or white revealed. Silhouette main runners and cross tees to have mitered ends with "birds mouth " notches to provide mitered cruciform junctions.	3.35	SQ.M	1,400.00	

		Main runners to be spaced at 120mm c/c fixed by using 2mm pre-straightened GI wire. Main tee, rotary stitched at every 1200mm c/c maximum and 1200mm cross tee at every 600mm c/c maximum and 600mm cross tee at every 1200mm c/c maximum and wall angle all-round the wall to form grid size of 600mm x 600mm and suspending the grid using 2mm pre-straightened GI wire and 6mm nylon rawl plug at every 1200mm intervals at the main tee and laying of premier mineral fiber tiles manufactured by Armstrong World Industries of size 600mm x 600mm x 15mm over the formed grid etc., complete as per manufacturer's specifications.				
		MAKES:				
		GRID CEILING: ARMSTRONG/THAKKAR INDIA/UNIDUS INDIA				
		CEILING SECTIONS: ARMSTRONG/THAKKAR INDIA/UNIDUS INDIA				
19		<u>12MM THICK TOUGHENED GLASS DOORS WITH ETCHING:</u>				
		Providing and fixing in position 12mm clear float toughened Glass for naked glass door. The work to include making necessary template for all the glasses and then cutting the clear float glass to correct size, making all the necessary holes, cuts etc., and then toughening the same. The cost to include all hardware required viz., Ozone/ebco/godrej or approved equivalent make floor spring with its accessories, top pivot, center lock, 450mm glass door handles etc., along with etching with sand blasting as per design and drawing. The maximum size of each glass shall be as per the drawing or the direction of the Engineer-in-charge. The rate is for a finished item of work etc., complete as directed.	1.95	SQ.M	10,500.00	
		MAKES:				
		GLASS: SAIN GOBAIN/MODI GLASS/ASAHI FLOAT GLASS				
		HARDWARE: OZONE/DORMA/GODREJ				

20		12MM THICK TOUGHENED GLASS PARTITIONS WITH ETCHING:				
		Providing and fixing in position 12mm clear float toughened Glass partition with patch fittings for the full height glass partitions as per the direction of the engineer-in-charge. The work to include making necessary template for all the glasses and then cutting the clear float glass to correct size, making all the necessary holes, cuts etc., then toughen the same.	9.67	SQ.M	4,000.00	
		The cost to include all hardware (PATCH FITTINGS etc) required of Ozone/EBCO/GODREJ or approved equivalent make viz., single corner patch, top and bottom corner patch etc. or as per the direction of the engineer-in-charge, along with etching with sand blasting as per design and drawing. The maximum size of each glass shall be 1200mm to 2000mm x 2400mm to 2700mm as per the site requirement. The rate is for a finished item of work etc., complete as directed.				
		The cost to include the cost of bevelling and smoothening of the exposed edges of the glass.				
		MAKES:				
		GLASS: SAIN GOBAIN/MODI GLASS/ASAHI FLOAT GLASS				
		HARDWARE: OZONE/DORMA/GODREJ				
21	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.	11.00	SQ.M	2,800.00	
	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 or gear operated. Hand operated shutters are of push and pull type. Gear operated shutters are provided with reduction gear operated by mechanical device with chain, crank, shaft and handle. 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				
		Total Value of Works				
		Note: GST as applicable shall be extra				