

COMPOSITE WORKS OF E-LOBBY AT PANTHER COMPLEX, AMRITSAR CANTT.

LOCATION & SITE : STATE BANK OF INDIA, E-LOBBY AT AMRITSAR CANTT.

BRIEF SCHEDULE OF QUANTITIES

IT. NO	ITEM	DESCRIPTION OF ITEMS	UNIT	QTY.	RATE	AMOUNT
A	CIVIL WORKS					
1.00	Dismantling Brick/CC Works	Dismantling Brick or CC work as per drawing and disposal of unserviceable material within 50 metres lead.	SQM	2.00		
2.00	Excavation	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.	CUM	3.00		
3.00	115mm thick brick masonry	Half brick masonry 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 Cement mortar 1:4(1 cement :4 coarse sand)	SQM	27.00		
4.00	230mm thick brick masonry	230mm thick brick masonry : 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 in all shapes and sizes in: Cement mortar 1:4(1 cement :4 coarse sand)	CUM	38.00		
5.00	Cement Plaster	Providing and applying Cment plaster over Brick Masonary 12 mm cement plaster of mix : Cement mortar 1:6(1 cement: 6 coarse sand)	SQM	27.00		
		15 mm cement plaster Cement mortar 1:4(1 cement :4 coarse sand)	CUM	40.00		
6.00	PCC Work	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				

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		1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size)	CUM	0.80		
6.00	RCC Work	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircase and spiral stair cases up to floor five level including the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	SQM	2.00		
7.00	Waterproofing: APPROVED MAKES : Dr. Fixit / SIKA / FOSROC	<p>SURFACE PREPARATION</p> <p>Clean the entire roof with Pressure water jet to remove the unwanted dust, loose material, oil, or any other material which may impair adhesion of the material. Surface must be cleaned and dried properly so that any cracks on the substrate can be visible. Concrete substrate to be cleaned up to exposed sound concrete cover, remove dust, laitance etc , which may impair adhesion of the material.</p> <p>Mark the area having cracks</p> <p>All surface cracks up to 1-2 mm wide should be filled with Dr. Fixit Roofseal using a brush. Add a coat on the slab on both sides of the crack, up to a distance of 100 mm around it. Cracks more than 1-2 mm should be widen by making V-groove and repaired with PMM (Polymer Modified Mortar) using Dr. Fixit Pidicrete URP 10% by weight of cement.</p> <p>All joints of vertical up stand should have 50 x 50 mm angle fillets prepared with sand –cement mortar; mixed with Dr. Fixit Pidicrete URP.</p> <p>Curing to be provided to the angle fillets and repaired surface as per standard methodology before application of coating.</p> <p>Apply one coat of Dr. Fixit Roofseal on the angle fillet area and put 45 gsm Glass fiber mesh 200 mm on both the sides of the fillet to make the junction and corner’s receptacle to movements. The same treatment should be carried out for Drain outlets.</p>				

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		<p>Priming Dr. Fixit Primeseal Primer to be applied as per manufacturer's guidelines. Dr. Fixit Primeseal diluted in 2:1 ratio with water (2 parts Primeseal diluted with 1 part water). Maintain the spreading rate of 8-10 sq mtr per litre. Allow it to dry for 4-6 hrs. OR Dr. Fixit Roofseal Top Coat may be applied by roller, brush. Apply a coat of Dr. Fixit Roofseal Top Coat (diluted with water in the ratio 2:1) as Self-Priming - 9 - 10 Sq.mtr / litre.</p>				
		<p>Application Sprinkle some water over the roof just before application of Dr. Fixit Roofseal. Apply 2 coats Dr. Fixit Roofseal at 0.75 ltrs / m2/ coat, at an interval of 12 hrs between the coats and allow drying completely. A layer of suitable reinforcing fabric (Glass fiber) should be incorporated within the first coat. 2nd coat to be applied in a direction perpendicular to the 1st coat.</p>	SQM	22.00		
8.00	FLOORING, SKIRTING, DADO, CLADDING, LEDGES, PLATFORMS.	<p>The sample of tiles / slabs to be submitted to the Architect for approval.</p> <p>For floor tiles, all edges to be sorted for straight edges before laying. The tile will be laid after approval from the Architect at site.</p> <p>The rate to include all mirror machine polishing for granite and wax mirror polishing or Titanium polishing for Kota stone. The final decision will be as per Architect's instructions.</p> <p>The cost of tile/stone mentioned below is the maximum cost. In no circumstances it should exceed the one mentioned in the respective items and should be inclusive of all material cost, transportation, Octroi if applicable, loading-unloading and all taxes, statutes as applicable. Only GST shall be paid extra</p> <p>All bull nosing, polishing etc for sills, frames and staircase treads should be factory finished and brought to site.</p>				

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	Italian Tiles	Providing and laying Glazed Vitrified tiles in floor with 600 x 1200mm or larger size (thickness to be specified by the manufacturer), Water absorption of tiles shall be less than 0.5% and flexural strength (Modulus of Rupture) shall be more than 35 N/Sqmm. , of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints Approved makes(Nitco,Nexion & Simpolo)				
		Basic Rate Rs 170 / sq.ft	SQM	22.00		
9.00	Exterior Cladding with 3mm thk. Stone sheets	Providing and fixing as/drawing 3mm thk.Laminam cladding in exterior pasted with adhesives of Mapei/karakol as per manufacturers specification and drawing.The work inclues providing and grooves as per design including the cost of scaffolding, wastage etc. as per design, complete in all respects.	Sqm	30.00		
10.00	Exterior Cladding with 26mm thk. WCP panels	Providing and fixing as/drawing 26mm thk.WCP cladding (Wood Plastic Composite board. Its composition is 70% virgin polymer, 15% additive chemical, and 15% wood powder.)in exterior including Aluminium framing as per manufacturers specification and drawing.The work inclues providing and grooves as per design including the cost of scaffolding, wastage etc. as per design, complete in all respects.	Sqm	7.00		
11.00	MS Canopy with Glass	Providing and fixing as/drawing MS Canopy with 8mm thk. Toughened Glass on top. The structure is fixed on slab with 8mm thk. MS Plates 4" x 12" bolted with HILTI Chemicals Anchors as per manufacturers specification., 2" x 2" MS Pipes approx 3'-0" to 4'-0" C/C distance to be welded on the plates on one side and 4" x 2" MS Pipe outer frame on other side as per drawing.The frame to be finished with Ducco Paint as per selection.	Sqm	7.00		

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IT. NO	ITEM	DESCRIPTION OF ITEMS	UNIT	QTY.	RATE	AMOUNT
12.00	Granite Work	Providing and fixing 18mm thick gang saw cut mirror polished premoulded and prepolished machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.				
a		Granite of any colour and shade Area of slab over 0.50 sqm	sqm	16.00		
b		Providing edge moulding to 18mm thick stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge Granite work	Rmt	20.00		
12a	Exterior Texture	Providing and Finishing walls with textured exterior paint (perlina) of required shade : Pigmented decorative thick texture wall finish composed of quartz powder and marble chips and has a rough cast appearance. Including (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm Make:- Asian paints/ICI Dulux/Nerolac.	Sqm	55.00		
TOTAL PART A CIVIL WORKS						
B	INTERIOR WORKS					
1.00	POP on Flooring	Providing and Applying average 12mm thk. P.O.P. on floor, on plastic sheet to protect floor from physical damage during construction.	Sqm	18.00		

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IT. NO	ITEM	DESCRIPTION OF ITEMS	UNIT	QTY.	RATE	AMOUNT
2.00	Gypsum False Ceiling	Providing and fixing suspended false ceiling including steps as per design with 12.5mm tapered edge Gypsum Board to the grid comprising of cold rolled galvanized metal section to the required line and level. The grid consists of a perimeter channel (MF6a of dimensions 20mm x 27mm x 37mm x 3.5M) fixed round the perimeter to receive and of the ceiling section (MFS) and the outer edges to gypboard. The intermediate channel (MF7) of dimensions 15mm x 45mm x 0.9mm x 3.6M) at 1200mm c/c in the one direction and the ceiling section (MFS of dimensions 80mm x 26mm x 0.5mm x 3.6M) at 450mm c/c in the other direction are connected by a connecting clip (MF9). The grid is suspended with an adjustable strap hanger (MF9). The grid is suspended with an adjustable strap hanger (MF8) of dimensions 25mm x 0.5mm) at 1200mm c/c on both ways from the structural soffit using a soffit cleat and expandable bolts/fasteners Nut and bolts are used to connect strap hangers to soffit cleats and for joining ends of channel sections together.				
		The gypsum board layers are 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 (MF7) to be used around the cut outs for light fittings. AIC ducting etc. The work includes painting with 2 coats of plastic emulsion to give an even & finished surface. The payment area will be the visible area only The work should be complete as per instructions of Architect or Engineer in charge. NOTE: NO EXTRA CHARGES WILL BE PAID FOR COVE OR DESIGN.	Sqm	20.00		
3.00	Wooden Partition	Low/Full Height partly Glazed (with etching) Partitions: Providing & fixing partition made of 44 mm X 44 mm X 16 Gauge aluminium extruded sections frame @ 2'-0" to 2'-0" c/c vertically & horizontally. The frame shall be fixed rigidly at floor level as well as ceiling with rawl plugs. The frame work to be clad with 8mm thick commercial ply and 1.0mm thick laminate / 4mm thk. Teak Veneer of APPROVED make in specified pattern as per interiors details on both sides .				
		Also 2 1/2"X5/8" teak wood section shall be provided with 12mm thk. glass with etching work as per interior details where ever specified. The rate shall also include for providing grooves in laminate & wood. Note: (i) All ply to be sprayed with anty termite and anti borer spray. (ii) Rates to include all necessary supports and as per details (iii) Measurements to be recorded up to finished false ceiling level.				
	A	In Laminate	Sqm	4.00		
	B	In Teak Veneer BASIC VENEER PRICE @ 90/- Sq.ft	Sqm	8.00		

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IT. NO	ITEM	DESCRIPTION OF ITEMS	UNIT	QTY.	RATE	AMOUNT
4.00	Wooden Frame for Panelling (A)	Providing and fixing ply base of wall panelling consisting of 50x50mm framework made out of kiln seasoned and chemically treated kail wood or equivalent approved wood. Members to be fixed at 600mmx600mm c/c bothways. 12 mm thick marinen ply or Shera Cement Board Sheets of approved make to be fixed to the framwork with the help of necessary screw, nails, adhesive etc. as per approved drawing complete in all respect and to the entire satisfaction of the Engineer-in-charge/consultent / architect	Sqm	35.00		
5.00	Panelling	Providing and fixing paneling over the existing base made out of framework of 50 mm X 25 mm - 18 gauge section un annodised Aluminium (as per requirement) frame work @ 16" to 24" c/c vertically & horizontally. The frame work to be clad with 12.0 mm thick commercial ply/12mm thk. water proof MDF as per detail and following finishigs as per drawing and instructions. All exposed surfaces to be clad with teakwood moulding of size 30 mm X 12.0 mm made to shape.				
		The work should be complete in all respects including provisions of grooves duly designed & finished. All wood to be treated with wood preservatives of approved ISI quality. All exposed teak wood shall be spirit polished with matching pigment. Payments shell be made only for exposed surfaces & actual measurement at site, no payment shell be made for paneling behind furniture such as tables, Credenza , storage etc.				
a	Lacquered Glass in Blue Color/as approved	Panelling with 4mm Saint Gobain Lacquered Glass	Sqm	15.00		
b	Laminate	Panelling with laminate	Sqm	20.00		
6.00	P & F of 12mm thk. FIXED Toughened Glass	Providing & Fixing 12mm thk. Toughned Glass Panels with SS glass connectors as per manufacturers guidelines of (Godrej/Dorma/Ozone/Stanley) make,rested on 12 mm x 25 mm 'U' channel grouted with in floor surface,fixed in position, as per interior details & recessed in ceiling fixed as per the instruction of the Achitect/Engineer in charge.	Sqm	14.50		

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IT. NO	ITEM	DESCRIPTION OF ITEMS	UNIT	QTY.	RATE	AMOUNT
14.00	P & F of Wall Connecting Profile	Providing and fixing wall connecting profile in floor to hold 12mm thk. Toughened glass.,make: DORMA/OZONE	Rmt	5.00		
15.00	P & F of 12mm thk. OPENABLE Toughened Glass	Providing & Fixing Openable 12mm thk. Toughned Glass Door,holded with Patch fitting (i.e. bottom & top patch,L-Patch, floor machine & Door lock) of (Godrej/Dorma/Ozone/Stanley) make,fixed in position as per manufacturers guidelines. The Job also includes providing & fixing of 24" long SS handle & provisions of holes/cuts in glass panel to facilitate fixing of Patch fitting & Handle. The job shall be complete in all respects,including necessary hardware, complete in all respects as per the instruction of the Architect / Engineer in charge.	Sqm	5.00		
TOTAL PART B INTERIOR WORKS						
C	CREDIT OF OLD MATERIAL					
i	Credit of Old Material	Removal of old existing Gypsum Ceiling and disposal of material.	Sqm	17.00		
ii	Credit of Old Al.Partitions	Removal of old existing Aluminium Composite panelling and disposal of material.	Sqm	28.00		
iii	Toughened Glass (Fixed and Openeable)	Removal of old existing toughened glass (Fixed and Openable) and disposal of material.	Sqm	14.00		
TOTAL PART C CREDIT OF OLD MATERIAL						
D	ELECTRICAL WORKS					
	UPS & RAW POWER POINTS					

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1		Supply all materials receiving, storing, handling, fixing & laying of 3 x 2.5 Sq.mm. PVC insulated copper conductor armoured cable and fixing of cable on wall with suitable size of clamps / saddles or laid in floor or recess wall including cutting of floor / wall for computer points with suitable size GI box with modular plate and cover in front including providing and fixing 3 No. 5 amp 3 pin modular socket controlled by 1 No. 5 amp modular switch with indicator , connection end terminations with suitable size of glands etc. complete as reqd.(On UPS Power) modular coloured series to be used.	2	Each		
2		As per item 1 above but with 1 no. 15 amp 5 pin modular socket controlled by 1 no. 15 amp modular switch with indicator.(On Raw power only for printer) modular coloured series to be used.	8	each		
3		Supply Installation, testing & commissioning of LED STRIP light with driver and Accessories complete as required (MS CROMPTON or equivalent of WIPRO , PHILLIPS, BAJAJ etc.				
a)		Warm white Cat No. 38389 (M/S Philips)	10	mtr		
b)		Blue Colour Cat No.LST 20 BL(M/s Crompton)	10	mtr		
4		Wiring for light point/ ceiling fan point/ exhaust fan point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit ISI Mark, with 6Amp modular switch, modular plate, suitable GI junction & switch boxes & clip and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.(Including 3 x 2.5 sq.mm FRLS copper conductor, single core cable in PVC conduit for circuit/sub main wiring along with earth wire)(Make: Havells/ RR Kable / KEI/Finolex)				
(a)		Primary point (light / fan controlled by one switch)	12	no.		
(b)		Two light point controlled by one switch	10	no.		
(c)		One plug point	6	no.		
5		Providing and laying HDMI cable (15m length)of C-CAD make for LED in pvc conduit of appropriate size in floor/wall/partition including cutting of floor/wall etc and making it good., complete in all respects.	1	Job		
6		DTH Cabling				
		SITC of cabling(RG6_ Coaxial wire) for DTH Connection from LED Unit till roof top/outdoor location of DISH including connectors on both ends as required ., Complete in all respects	20	Rmt		

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7		Supplying & Laying of following COPPER REFRIGERANT PIPING Thickness 22 SWG For Hiwall Split AC complete with fittings Suction / Discharge line insulated with 12 mm SUPERLON / ARMAFLEX suction line. Multi-runs between Indoor & Outdoor units shall be considered as ONE length for the purpose of measurement. (Make: Total Line/Armacell)				
		HWS / Cassette AC (2.0TR & 3.0TR) copper pipe size (5/8" & 3/8")	35.00	mtr.		
8		Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 20mm dia complete with fittings, U traps etc. & as specified to the nearest toilet / drain point under floor or in recessed walls for AC drains including cutting of walls, bends & Tees. making good the damages etc. wherever required. (Make: Diplast/Supreme)	20.00	mtr		
9		Supply & laying of 4 core 2.5sq.mm. FRLS copper flexible cable for HWS / Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO	90.00	mtr		
10		SITC of 36 watt recess mounted LED Light panel suitable for 2' x 2' modular/gypsum ceiling with assembly complete with including making necessary frames & connections etc. Complete as reqd. (M/s Crompton Cat No. LCTRLN-36-FO-CDL or equivalent of Philips/Wipro/ Bajaj)	2	no.		
11		SITC of 15 watt LED fixtures /dowlighters with essential driver in false ceiling including making necessary arrangement for mounting the fixtures and connection with 2 x 1.5 sq.mm insulated copper cable from adjacent point in PVC flexible pipe etc complete as reqd. Make Phillips cat no. DN - 192 - 1000 or equivalent of Wipro / Bajaj.	10	no.		
12		Supply testing and commissioning of LED 6W TRIMLESS COB Light fixture Polycarbonate with light transmission diffuser including making necessary connections complete as required (M/s Wipro GARNET D120627 (K)2700 lumens 475 or equivalent of Philips / Bajaj.	4	no.		
12a	Track light Fitting					
		Supply testing and commissioning of Track Light fitting including making necessary connections complete as required (M/s Wipro/Philips)				
a		Ceiling mounted Track	2	Mtr		
b		I Shaped Connector for Track	3	no.		

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c		Track light fixtures cylindrical shaped Philips 31445 Stanchion Track 10W or or equivalent of Crompton/Havells/Wipro)	5	no.		
14		Supply of 450 mmm sweep wall fan complete as reqd. Model turbo 180, USHA Make or equivalent of Crompton/Havells/Bajaj)	2	no.		
15		Supply and fixing of LED type fitting 20 watt, 4 feet (M/s Phillips or equivalent of Wipro/ bajaj)	2	no.		
16		Supply and installation of 12" size medium duty exhaust fan . (Make: Crompton High Flo or equivalent of Khaitan / Bajaj (Necessary framing, wall cutting & finishing to be done by Contractor)	1	no.		
TOTAL PART D ELECTRICAL WORKS						
GRAND TOTAL PART A+B+ D -C						
		IN WORDS:				
		SIGNATURE OF CONTRACTOR				