

**BILL OF QUANTITIES FOR PROPOSED COMPOSITE WORKS ( CIVIL/INTERIOR & ELECTRICAL WORKS) AT STATE BANK OF INDIA, T.B.U AT IInd FLOOR OF SBI MAIN BRANCH, SECTOR-17 B AT BANK SQUARE, CHANDIGARH**

Sr.no	Item of Work	Qty	Unit	Rate	Amount
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**PART A CIVIL WORKS**

<b>1</b>	<b>VITRIFIED TILE FLOORING</b>				
	Providing & fixing vitrified tiles of size 800x800 mm of approved make in flooring laid in any pattern as specified over base of 20 mm thick cement coarse sand mortar 1:3, and jointed with white cement slurry mixed with pigment to match the shade to tiles. The tiles shall be of premium quality double charged (first quality) of reputed manufacture i.e. JOHNSON/NITCO/KAJARIA/NIRO GRANITE. The work also includes dismantling of existing floor/wall tiles or stone & removal of malba and disposal of the same away from site.	290	Sq.mt		
<b>2</b>	<b>VITRIFIED TILE DADO &amp; FLOORING in TOILETS</b>				
	Providing and laying 1st quality Vitrified glazed/matt finish tiles 600mmx 600mm (as specified in Dado (thickness to be specified by the manufacturer approx 9mm) Water absorption of tiles shall be less than 0.5% and flexural strength (Modulus of Rupture) shall be more than 35 N/Sqmm. on 20 mm thick cement mortar 1:4(1 cement: 4 coarse) sand), including grouting the joints with white cement and matching pigments etc., complete. Approved makes( Nitco, Johnson, AGL, Kajaria) Basic rate of tile: Rs 80/-per Sq.ft ( <b>Note: Work Incl.Dismantling of existing tiles and disposal of material to contractors own dump.</b> )	295	Sq.mt		
<b>3</b>	<b>Granite flooring</b>				
	Providing , Laying & fixing of granite stone (Grey shade)15mm to 18mm thick in flooring/skirting treads & risers of steps,laid in any pattern as specified over base of 20mm thick cement slurry mixed with pigment to match the shade of granite stone. The work also includes dismantling of existing floor/wall tiles or stone & removal of malba and disposal of the same away from site	6	Sq.mt		
<b>4</b>	<b>Granite nosing</b>				
	Providing & fixing 1 1/2" thk.Double Granite moulding (full round) as nosing on steps,including polishing complete in all respects as/ drawing to the satisfaction of the Bank Engg./Architect.	6	Rmt		
<b>5</b>	<b>Plastic Emulsion Paint</b>				
	Painting & finishing the walls, including surface preparation primer and putty ,finished with three or more coats of plastic emulsion paint, so as to achieve smooth and even finish complete in desired shades and colours (as approved by Architect/Engineer-In-Charge).	160	Sq.mt		
	Make:- Asian paints/ICI Dulux/Nerolac.				
<b>6</b>	<b>TEXTURE WORK on walls</b>				

Sr.no	Item of Work	Qty	Unit	Rate	Amount
	Providing and applying texture work of Asian/Okinis make Royale Play/ metallic/pearl/, ready mixed material with synthetic binders, applied manually with spatula uniformly on to the wall surfaces, complete as per instructions of the architect / Bank's Engineer.	120	Sq.mt		
7	<b>Door to System room - Fire rated steel door including frame - 2 (Two) Hrs Metal test certificate will be provided issued from GQMC.</b> (Kutty flush doors & furniture co. Pvt Ltd.paonta sahib, distt. Sirmour, H.P. & GMT, Baddi)	1.95	Sq.mt		
a)	Frame - Providing and fixing fire resistant door frame of section 100 x 50 mm having built in rebate out made up of 1.2 mm GPSP Sheet duly powder coated / 16 SWG G.I. sheet (zinc coating not less than 120 gm / sqm ) duly filled with vermiculite based concrete mix, suitable for mounting 120 minutes fire rated door shutters. The frame is fitted with intumescent fire seal strip of size 10 x 4 mm (minimum) around the frame and fixing with dash fastener of approved size and make, including apply a coat of approved brand fire resistant primer etc. complete as per direction of Engineer – in charge (including Dash fastners).				
b)	Shutter - Providing and fixing Metal Door Shutter 46 mm thk.made up of 0.8mm thick GPSP Sheet. Glazed fire resistant door shutters of 120 minutes fire rating conforming to IS : 3614 (Part – II), tested and certified as per laboratory approved by Engineer – in – charge,				
	with suitable mounting on door frame, the entire shutter filled insulation material / Honeycomb craft paper of 160gsm (zinc coating not less than 120 gm/m2) and fixing with necessary stainless steel ball bearing hinges of approved make,provision of Fire Rated Wired Glass size				
	of glass 300 X 200 including applying a coat of approved fire resistant primer etc. all complete as per direction of Engineer – in charge (paneling to be paid for separately).				
c	Hardware for fixing - Fire rated steel door including frame Providing and fixing following hardware for fixing fire rated steel door including frame, complete. Hinges 4X3X3 ( Min. 3Nos), Pull Handle 19 X 250mm - Pair, Dead Lock, Fire Rated Wired Glass size - 300 X 200, Fastners Hilti 10 X 92mm - (Min - 10Nos.)				
8	<b>P/F and fixing of Golden Steel letters as per approval.</b> The work includes fixing od the same at site with stencil marking as required., complete in all respects to the satisfaction of Engg. In charge/Architect. The size shall be measured in running inches per letter and of the longer side.The work includes removal of existing letters and re- alignment if same as per approval.	320	R.inch		
9	<b>CIVIL WORKS</b>				
i	Demolishing brick work manually/by mechanical means including disposal of meterial away from site.	18	Sq.mt		
ii	11.43 Cm thick Brick wall with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level laid in 1:4 cement sand mortar in super-structure.	30	Sq.mt		

Sr.no	Item of Work	Qty	Unit	Rate	Amount
iii	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	30	Sq.mt		
iv	Providing and Applying 12 mm Cement Plaster in mix 1:6 (1 cement: 6 fine sand) on Brick Work complete in all respects.	60	Sq.mt		
v	Casting RCC 230mm x 230mm RCC lintel beam /counter slab comprising of 12mm dia steel bars (4 NOS.) with 8mm dia stripps in 1:2:4 cement concrete. The work includes shuttering/framework/curing and floor screed complete in all respects to the satisfaction of the Architect and Bank Engineer.	1.5	Cu.mt		
vi	Supplying & applying waterproofing treatment with 'Polymer Modified Cementitious Coating (Brush Bond of Fosroc/BASF/SIKA make or equivalent) including base preparation, coating with compatible primer applicable on floor & wall, where and as specified by the Architect and testing the same for performance as required. The treatment to be continued 300mm into the wall.	45	Sq.mt		
vii	Dismantling of flushing cistern of all types (C.I./pvc/vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	1	NO'S		
viii	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge:	60	Rmt		
ix	Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metre lead as per direction of Engineer-in-charge:	35	Rmt		
x	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead as per direction of Engineer-in-charge:	6	NO'S		
xi	Dismantling all chinaware/cp fittings etc complete and stacking within 50 metres lead as per direction of Engineer-in-charge:	1	lumpsum		
<b>10</b>	<b>Renovation of Toilets</b>				
i	SINGLE PIECE SLIM CONCEALED CISTERN BODY WITH INSTALLATION KIT & "S-TYPE" DRAIN PIPE CONNECTION SET FOR WALL HUNG WC (WITHOUT FLUSH CONTROL PLATE) JCSWHT- 2400S (Make: Jaquar ) equivalent of HINDWARE/KOHLAR	3	NO'S		
ii	CONTROL PLATE OPAL JCPCHR- 152415 (Make: Jaquar ) equivalent of HINDWARE/KOHLAR	3	NO'S		
iii	WALL HUNG WC WITH UF SOFT CLOSE SEAT COVER, HINGES, ACCESSORIES SET, SIZE:355X585X410 MM OPSWHT- 15951 (Make: Jaquar) equivalent of HINDWARE/KOHLAR	3	NO'S		

Sr.no	Item of Work	Qty	Unit	Rate	Amount
iv	HAND SHOWER (HEALTH FAUCET) WITH 8mm DIA 1.2 METER LONG FLEXIBLE TUBE AND WALL HOOK ALD-CHR-573 (Make: Jaquar ) equivalent of HINDWARE/KOHLAR	3	NO'S		
	Providing and fixing Table Top Basin-Rectangular JDS-WHT-25907N Jaquar Make or Kholar/Hindware	4.00	No.		
v	AQUISENSE SENSOR FAUCET FOR WASH BASIN WITH BASE FLANGES SNR-CHR- 51011 Make Jaquar or Kholar/hindware	4	NO'S		
vi	WASTE COUPL.32mm HALF THREAD ALD-CHR-709 (Make: Jaquar ) equivalent of HINDWARE/KOHLAR	4	NO'S		
vii	C.P Bottle Trap " Jaquar make" Code : ALD 769 All brass wok chromium plasted and complete in all respects including cutting & making good the walls,floors & paintry of fittings ect.	4	NO'S		
viii	SENSOTRONIC F/V FOR URINAL WITH INSTL BOX ( SNR-STL-51086) make: Jaquar or equivalent of HINDWARE/KOHLAR	4	NO'S		
ix	Urinal Partition ST. 450mm JSE-CHR-810US450X make: Jaquar or equivalent of HINDWARE/KOHLAR	2	NO'S		
x	Urinal with fixing Accessories Set Size : 370 x 315 x 620mm URS-WHT-132530 make: Jaquar or equivalent of HINDWARE/KOHLAR	4	NO'S		
xi	ANGULAR STOP COCK WITH WALL FLANGE (Make: Jaquar ) equivalent of HINDWARE/KOHLAR	16	NO'S		
xii	TOILET PAPER HOLDER (Make: Jaquar Artize QUA 61753) equivalent of HINDWARE/KOHLAR	3	NO'S		
xiii	PAPER TOWEL Dispensers (Make: Jaquar DT0106CS) equivalent of HINDWARE/KOHLAR	3	NO'S		
xiv	SOAP DISPENSER - (Make: Jaquar AKP 35735P ) equivalent of HINDWARE/KOHLAR	4	NO'S		
xv	Providing & fixing CP Jali, complete in all respects.	12	each		

Sr.no	Item of Work	Qty	Unit	Rate	Amount
xvi	Providing & fixing 1/2" and 3/4" composite pipes make : Kitec /Vectus pipes for distribution in toilets including chase cutting, chase filling, proper insulation for all pipes. The rate shall include all accessories like tees, unions, elbows, bends etc. Required to make the system operational and complete.	75	Rmt		
xvii	Providing & fixing A TYPE PVC pipes of supreme/prince make or equivalent in position of required size and length with special fittings, traps, bends, ys, floor & nahani traps etc. Including chemical sealed joints as required at site making necessary connections upto manhole or for w.c. & waste water lines, chambers to be constructed wherever necessary , unused lines for w.c. & waste water to be removed, the rate shall include all incidental work, cutting & making good walls & floors etc. Complete. <b>Please visit the site for inspection.</b>	4	No's		
xviii	HAND DRYER - (Make: Jaquar HDR-SAP-M99ACS ) equivalent of HINDWARE/KOHLAR	3	NO'S		
xix	LOOKING MIRROR 5mm thk. Bevelled and fixed with SS Studs of approved size.	8	Sq.mt		
xx	Providing & fixing A TYPE PVC pipes of supreme/Finolex/Ashirwad make or equivalent in position of required size and length with special fittings, traps, bends, ys, floor & nahani traps etc. Including chemical sealed joints as required at site making necessary connections upto manhole or for w.c. & waste water lines, chambers to be constructed wherever necessary , unused lines for w.c. & waste water to be removed, the rate shall include all incidental work, cutting & making good walls & floors etc. Complete. <b>Please visit the site for inspection.</b>	1	No's		
<b>SUB TOTAL PART A</b>					
<b>PART B INTERIOR WORKS</b>					
1	<b>Wooden Partitions with Laminate</b> <b>Low/Full Height partly Glazed (with etching) &amp; partly both side laminated Partitions:</b> 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 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. <b>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.</b>	85.00	Sq.mt		

Sr.no	Item of Work	Qty	Unit	Rate	Amount
<b>2</b>	<b>Fixed Toughned Glass Partitions</b>				
	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.	20.00	Sq.mt		
<b>3</b>	<b>Wall Connecting Profile</b>				
	Providing and fixing wall connecting profile in floor to hold 12mm thk. Toughened glass.,make: DORMA/OZONE	12.00	Rmt		
<b>4</b>	<b>Toughned Glass Doors</b>				
	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.	8.00	Sq.mt		
<b>5</b>	<b>Wall Paneling</b>				
	Providing and fixing paneling over the existing wall 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.				
<b>i.</b>	Panelling with Teak Ply with Spirit Polish	32.00	Sq.mt		
<b>ii.</b>	Panelling with laminate	90.00	Sq.mt		
<b>iii.</b>	Panelling with 12mmMDF with Spray Paint/Texture	23.00	Sq.mt		

Sr.no	Item of Work	Qty	Unit	Rate	Amount
6	<p><b>Officer's &amp; Staff Tables</b></p> <p>Table made of 19 mm thk. Commercial ply with front and side visible vertical surfaces to be finished with laminate 1mm thick (of approved shade); with 35mm thk. Post forming top, as per drawing and thickness made by joining two boards.. The front of the table top shall be projected as per drawing. The modesty guard shall be finished with 12.0 mm thk. toughed glass with 4" wide S.S. Spacer.</p> <p>Provision for 3" dia. round / 3" square cable manager for computer / electrical cables at appropriate place will be made in the top surface of the table. The PVC Edge binding tape will be provided on all the edges of the table, including bottom touching the floor and the drawers. The table shall have a keyboard tray of size 600 X 270 of EBCO make fixed on channels, as per manufacturers instructions / specifications.</p>				
	<p>A full depth CPU shelf 15" wide shall be provided at left hand side of counter underneath the working top, at 4" above the floor level and 3" away (horizontally), from vertical end which will be made of 19mm thick commercial ply finished with laminate 1mm thk. and PVC Edge binding tape on two visible sides. three lockable drawer running on side mounting drawer slides (channels) of EBCO make made of 19 mm thick commercial ply with 1mm thick laminate on front face, handle / knob and magnetic catcher shall be provided on one side of the table as per layout. The sides of the drawer shall be made of 12 mm thick plywood / 19 mm ply, bottom of 6 mm thick plywood &amp; front of 19 mm thick bply. A full length foot rest made of hard wood 3" x 1½" section shall be provided at 4" above floor level. Non-Visible/inside surfaces i.e. inside / leg-space of table, inside of drawer / cupboard shall be finished in 0.8mm thk. laminate of white/off white shade.</p>				
a	Size 5'0" X 2'6" X 2'6"	2.00	Nos		
b	Size 6'0" X 3'0" X 2'6"	2.00	Nos		
7	<p><b>AGM TABLE</b></p> <p>Table made of 19 mm thk. Commercial ply with front and side visible vertical surfaces to be finished with Teak Veneer 4mm thick (as/selection); with 35mm thk. Table top, as per drawing and thickness made by joining two boards and sealed with Teak Wood Gola 3" wide and 1 1/2"thk. as per drawing. as The front of the table top shall be projected as per drawing. The modesty guard shall be finished with 12.0 mm thk. toughed glass with 4" wide S.S. Spacer.</p>				
	<p>Provision for 3" dia. round / 3" square cable manager for computer / electrical cables at appropriate place will be made in the top surface of the table. The PVC Edge binding tape will be provided on all the edges of the table, including bottom touching the floor and the drawers. The table shall have a keyboard tray of size 600 X 270 of EBCO make fixed on channels, as per manufacturers instructions / specifications.</p>				

Sr.no	Item of Work	Qty	Unit	Rate	Amount
	A full depth CPU shelf 15" wide shall be provided at left hand side of counter underneath the working top, at 4" above the floor level and 3" away (horizontally), from vertical end which will be made of 19mm thick commercial ply finished with teak veneer 4mm thk. and PVC Edge binding tape on two visible sides. three lockable drawer running on side mounting drawer slides (channels) of EBCO make made of 19 mm thick commercial ply with 1mm thick laminate on front face, handle / knob and magnetic catcher shall be provided on one side of the table as per layout. The sides of the drawer shall be made of 12 mm thick plywood / 19 mm ply, bottom of 6 mm thick plywood & front of 19 mm thick bply. A full length foot rest made of hard wood 3" x 1½" section shall be provided at 4" above floor level. Non-Visible/inside surfaces i.e. inside / leg-space of table, inside of drawer / cupboard shall be finished in 0.8mm thk. laminate of white/off white shade.				
a	Size 8'0" X 3'0" X 2'6"	1.00	Nos		
8	<b>Providing and placing the Conference Table</b> (Size : 8'-0"x 16'-0") base made out of premium quality 18mmthk. marine ply as per design/detailed drawing (i.e providing vertical supports at 4'-0"distances and wrapped with 18mm . thk. marine ply from both sides ) the outer surface shall be clad with additional 6mm flexi ply to attain smooth finish, finally wrapped with teak veneer polished with PU polish.The top of table shall be made with 2 no's 18mm thk. marine ply . The outer exposed side of table top shall be finished with Teak Wood moulding of 3"x 1.5" made to shape.Table top shall have additional 4mm thk. teak veneer in 2 different shades pasted on commercial ply base, fixed with approved adhesives finished with P.U. polish.An additional strip of 5mm thk. lacquered glass of size 9"x 10'-0" shall be fixed on top as per design.The entire surface shall be polished (PU Polish Asian make) as specified in the interior details to the satisfaction of Architect Engineer in charge, complete in all respects.finished with PU Polish.	1.00	Nos		
9	<b>8.0 MM thk glass on top of officers tables.</b> All the edges of the glass shall be grinded polished including Hole for cable manager.	8.00	Sq.mt		
10	<b>Side Credenza</b> Providing & fixing Side credenza ( 15" to 18" deep ) made of 19 mm thick commercial ply and 6 mm thick plywood on back side & 1mm thick laminate of approved shade on top horizontal surface & vertical visible side only, with teak wood lipping on all edges including bottom touching floor. The credenza will have three drawers, horizontally running on side mounting drawer slides (channels) of EBCO make.				
	The remaining part of the credenza will have cupboard with shutters and one shelf. The shutters with handle / knob and magnetic catcher shall be provided beneath the drawers all non visible/inside surfaces shall be finished with white/off white laminate 1mm thk. and teak wood edges / lipping / beading shall be Spirit polished with matching pigment.				
a	Officer's & Staff side credenza as per Drawing & specification mention in item above. Size - 3'-0" / 4'-0" X 1'-6" X 2'-6" (W X D X H)	6.00	Rmt		



Sr.no	Item of Work	Qty	Unit	Rate	Amount
11	<p><b>Back credenza / Storage</b> Providing &amp; fixing back credenza 18" deep ( top surface 18" to 24" as per site) &amp; 30"/36" HT. made of 19 mm thick commercial ply board and 6 mm thick plywood on back side &amp; 1mm thk laminate of approved shade on top horizontal surface &amp; vertical visible side only, with teak wood lipping on all edges including bottom touching floor. The credenza will have drawer 4"high, horizontally running on side mounting drawer slides (channels) of EBCO make. The remaining part of the credenza will have cupboard with shutters and one shelf. The shutters with handle / knob and magnetic catcher shall be</p>	30.00	Sq.mt		
	provided beneath the drawers and non-visible/inside surfaces should be finished in 1mm thk. laminate of white/off white shade and teak wood edges / lipping / beading shall be Spirit polished with matching pigment				
B	Finished with 4mm thk. Teak veneer with polish	4.00	Sq.mt		
12	<p><b>5'-0" + 5'-0" (Cubicals) Workstations</b></p>				
	<p>Providing &amp; fixing 5'-0" x 2'-6" high workstation cubicals made of 19mm thk. Comm.Ply having 2'-0" wide Post forming laminated worktop and vertical supports (2 no's). The Unit shall also consist of one storage unit,CPU unit and keyboard tray with mouse platform of size 600x270 made of 19mm thk. comm. ply make fixed on channels of EBCO make. as per interior details.The storage unit shall be comprising of 2 nos 5" wide drawers &amp; 1 no. pull out drawers on telescopic channels of EBCO make as approval. The CPU unit shall be comprising of 1 no. 5" wide drawer &amp; 4" high platform. All visible surface should be clad with 1mm thk laminate of approved shade and edges to be sealed with contrast shade edge biding PVC beading.The The job shall be completed in all respects with required hardware of approved make to the satisfaction of Engineer in charge/Architect.</p>	12.00	NO		
13	<p><b>Gypsum Dry wall – 60 min fire rated (FOR UPS/SYSTEM ROOM/RECORD FLOOR ETC)</b></p>				
	<p>102 mm thk. Gypsteel Ultra stud partition which includes one layer of tapered edge 15 mm thk. Gyproc fire line.(Conforming to IS 2095 – 1996 part I) is screw fixed with drywall screws of 25mm at 300mm centre to either side of 70mm Gypsteel Ultra stud (0.5mm thk. Having one flange of 34mm and another flange of 36mm made of GI steel) placed at 610mm centre to centre in 72mm gypsteel ultra floor and ceiling channel (0.5mm thk. having equal flanges of 32mm made of GI steel), which is anchored to the floor &amp; true ceiling</p>				

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	<p>using suitable anchor fasteners or metal screws with pvc plugs. The boards are to be fixed to the framework with joints staggered to avoid leakage through joints. A gypsteel fixing channel of 99mm width (0.9mm thk. Having two flanges of 9.5mm each) has to be provided at the horizontal joints of the two boards screw fixed to 9.5mm each) has to be provided at the horizontal joints of the two boards screw fixed to the studs using metal to metal that head screws. Finally square and tapered edges of the boards are to be jointed and finished so as to have a flush look which includes filling and finishing with gyproc jointing compound. Gyproc joint paper tape and two coats of plastic emulsion paint to Drywall. Top coat (as per recommended practices of saint – gobain Gyproc India). 50mm glasswool slab of density 32Kg/m3 shall be placed in cavity. Fireline of saint Gobain or equivalent of M/s BORAL INDIA LTD. Or EVEREST INDUSTRIES</p>	25.00	Sq.mt		
<b>14</b>	<b>Gypsum Board False Ceiling</b>				
	<p>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.</p>				
	<p>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.</p>				
	<p>The work includes painting with 2 coats of plastic emulsion to give an even &amp; 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. <b>NOTE: NO EXTRA CHARGES WILL BE PAID FOR COVE OR DESIGN.</b></p>	200.00	Sq.mt		

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15	<b>False Ceiling - (Mineral Fibre)</b> Providing and fixing false ceiling at all heights, made of 600 mm X 600 mm X 16 mm Prima Dune / Sand Supreme, RH 99 & micro log edge with black lining, mineral fibre ceiling tiles of type – Fine Fissured micro lock with silhouetted grid (black reveal), Tegular edge, laid on Armstrong exposed grid systems. The framework comprises of main rubber spaced at 1200 mm c/c, securely fixed to the structural soffit by approved hangers of spacing not more than 1200 mm c/c. Hangers (G.I. wire of 4 mm dia.) to be fixed by approved rawl plugs, level adjusters & screws etc. The last hanger at end of each main runner should not be more than 450 mm from the adjacent wall. Flush fitting 1200 mm long Cross T's (with double stitching) to be interlocked between main runners at 600 mm c/c to form 1200 mm X 600 mm modules.	78.00	Sq.mt		
	Cut cross T's longer than 600 mm to be supported independ-ently. 600 mm X 600 mm modules to be formed by fitting 600 mm long flush fitting cross T's centrally between the 1200 mm Cross T's. The rates shall be inclusive of making opening with frame etc. for electrical / air conditioner & finishing of ceiling in all respect, the work includes provision of trap door if required.				
16	<b>Teak Ply Ceiling</b>				
	Providing and fixing 4mm thk. teak veneer in ceiling over 8mm thk. commercial ply screwed to GI ceiling sections also incorporating 2" x 2" soft wood sections where ever specified as drawing. The work includes esprit polished of approved shade. The payment area will be the visible area only The work should be complete as per instructions of Architect or Engineer in charge.	30.00	Sq.mt		
17	<b>Flush Doors</b>				
	Providing fully panelled 35mm thk. flush doors along with 2-1/2" x 5" door frames to be finished with 1.0mm laminate of approved shade with 1/8" x 1/8" groove as per design, complete in all respects including standard hardware of Godrej/hettich/kich/edbo make i.e. hinges., towerbolts, stopper, handles etc. to the satisfaction of Engg./ Architect	10.76	Sq.mt		
	<b>MISCELLANEOUS</b>				
18	<b>Teak Wood Windows</b>	0.65	Cum		
	Providing & Fixing Ivory Coat Teak wood Wooden sections of similar size in existing external windows as and where required fixed as per specifications & drawings & directions of the Architect.				
19	<b>6mm Float Glass</b>	25.00	Sq.mt		
	Providing & Fixing 6mm thk. Float glass in external windows within wooden beading as and where required. The work includes fixing of glass in double ht. areas including cost of scaffolding if desired.				
20	<b>Roller Blinds of Vista Make-ZEBRA</b>	48.00	Sq.mt		

Sr.no	Item of Work	Qty	Unit	Rate	Amount
	Providing & Fixing SHEER SERIES BLINDS Vista Make Delux Collection (Elemental) Composition : 100% Polyester ., Finished Width : 300 CM., Weight : 200 GSM., Thickness : 0.35 Mm,Colour Fastness to light: 4-5 Grade with supporting framework etc. of Bshade & colour complete in working order as per manufacturers specifications & drawings & directions of the Architect.				
<b>21</b>	<b>Softboard</b>				
	Providing and fixing in position soft board ( 12mm) including fabric cover wooden beading of size 25mmx 19mm on all sides finished with polish of approved shade(Basic rate Rs. 175/- per mtr. )	30.00	Sq.mt		
<b>22</b>	<b>Frosted Film</b>				
	Providing and fixing 3 M make decorative film on glass of approved shade as per architect's instruction with grooves etc. all completed. Note Actual area of film installed will be measured and paid . No wastage will be considered	30.00	Sq.mt		
<b>23</b>	<b>MDF JALI</b>				
	Making and fixing in position (as per approved sample) Laser Cut Jaali partition to be made out of MDF board of 8mm. thickness and backed with 4-5mm thk. acrylic sheets in backdrop. All exposed surfaces to be finish with clear gloss Verinlengo paint as per approved shade . All complete as/ design to the entire satisfaction ofArchitect/ Engineer in charge (Elevation area to measure).	8.00	Sq.mt		
<b>24</b>	<b>Lacquered Glass panels on SS studs :</b> Providing and fixing 6mm thick Lacquered glass fixed with SS studs and Dow Corning make Neutral Silicone sealant 896 over the frame of 12mm thk. Comm.ply fixed against the wall as panelling as per the drawing to complete satisfaction of the Architect/Bank Engg. in charge.( <b>Make: Saint gobain/AIS</b> )	4.00	Sq.mt		
<b>25</b>	<b>Door Closer</b> - Providing and fixing silver colour (or matching with colour scheme as per site) hydraulic door closer Godrej / Hyper / Everrite make, to Doors complete in all respects.	5.00	Nos		
<b>26</b>	<b>Mortice Lock</b> -Providing and fixing silver colour (or matching with colour scheme as per site) Godrej make to Doors complete in all respects.	5.00	Nos		
	<b>SUB TOTAL PART B</b>				
	<b>PART CELECTRICAL WORKS</b>				
	<b>UPS &amp; RAW POWER POINTS</b>				

Sr.no	Item of Work	Qty	Unit	Rate	Amount
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 <b>modular</b> socket controlled by 1 No. 5 amp <b>modular</b> switch with indicator , connection end terminations with suitable size of glands etc. complete as reqd.(On UPS Power)	30	Each		
2	As per item 1 above but with 1 no. 15 amp 5 pin modular socket controlled by 1 no. 15 amp <b>modular</b> switch with indicator.(On Raw power only for printer )	8	each		
<b>DISTRIBUTION BOXES</b>					
4	supply, installation, testing and commissioning of factory fabricated distribution board rust inhibited, powder coated sheet fabricated comprising of incoming isolator and outgoing MCB's neutral link or neutral bus, top and bottom detachable entry earthing bolts interconnection and grouting bolts etc complete as reqd. as per details below :-				
a	8- way MCBDB double door in recessed wall including cutting of wall and making good the damages comprising of 1no. 63 Amp isolator and 6 no. 6/10 Amp MCBs etc. complete as reqd.( <b>For banking hall</b> )	2	no.		
b	6- way SPN MCBDB comprising of 1 No. 63 Amp DP isolator and 4 no SPMCB 10/16 Amp.( <b>For hall</b> )	2	no.		
c	4 way TPN MCBDB comprising of 1 no. 100 amp isolator and 12 no. 6-32 amp SP MCBs etc. complete as reqd. ( <b>For lighting &amp; AC</b> )	2	no.		
<b>PANELS &amp; CABLES</b>					
5	Supply & Installation of TPN vertical distribution board with provision for 4 pole MCCB as incomer with copper bus bar,earth and neutral bus. With 125 Amp MCCB Incomer and for Outgoing 2 no 32 Amp MCB and 2 no 63 A MCB .:	1	Set		
6	Supply, installation, testing & commissioning of PVC insulated PVC sheathed armored cable of 1100 V (IS-1554 part 1) and fixing of cable on wall with suitable size of clamps/saddles or laid in floor /recess wall including cutting of floor/wall and making good the damages etc. complete as reqd. of following sizes:-				
(a)	3.5x35 sq.mm. Aluminium conductor with 2 no. 8 S.W.G. GI wire	90	per mtr.		
(a)	3.5x25 sq.mm. Aluminium conductor with 2 no. 8 S.W.G. GI wire	40	per mtr.		
(b)	4x16 sq.mm. Aluminium conductor with 2 no. 8 S.W.G. GI wire (for light DB)	30	per mtr.		
(c)	3x6 sq.mm. Copper conductor (UPS DB's)	140	per mtr.		
(d)	3x2.5 sq.mm. copper conductor ( for AC distribution)	100	per mtr.		
7	End termination with brass compression glands including providing lugs/ferrules and making necessary connection etc. complete as reqd. following sizes:				

Sr.no	Item of Work	Qty	Unit	Rate	Amount
(a)	3.5x35 sq.mm. Aluminium conductor	12	each		
(b)	3.5x25 sq.mm. Aluminium conductor	6	each		
(c)	4x10/3x6 sq.mm. Aluminium/copper conductor	12	each		
(d)	3x2.5 sq.mm. copper conductor	4	each		
<b>UPS DISTRIBUTION BOARD</b>					
8	Providing and fixing 16 S.W.G. MS sheet adapter box, and also base frame for installation of MCB DBs plug and socket arrangement and to cover cables in system room including painting etc. complete	1	sq. mtr.		
9	supply, installation, testing and commissioning of factory fabricated distribution board rust inhibited, powder coated sheet fabricated comprising of incoming and outgoing isolator and MCB's neutral link or neutral bus, top and bottom detachable entry earthing bolts interconnection and grouting bolts etc complete as reqd. as per details below :-				
a	4 way DB comprising of 1 no. 63 amp 4 pole TPN MCB ( for UPS input)	1	each		
b	4 way DB comprising of 2 no. 63 amp DPMCB (UPS out put)	5	each		
10	supply fixing, testing of following 3 pin metal clad industrial type plug & socket arrangement with plug top cap & chain controlled by 1 No. MCB				
	(a) 20/25 amp with 20/25 amp SPMCB	14	no.		
11	Providing and laying following sizes of PVC insulated copper conductor cable of 1100V in flexible/PVC conduit with accessories such as glands, bends etc. (as per requirement) including making necessary inter connection etc complete as reqd. 2X6 sq.mm with 1 suitable PVC insulated earth wire	30	per mtr.		
12	Providing and fixing suitable size of MS box fabricated with 16 S.W.G. MS sheet either in recess wall or on surface to accommodate dedicated earth from earth electrode and further distribution of earth to computer points including providing 5mm Bakelite sheet on base connector strip and painting of box etc complete as reqd	1	job		
<b>EARTHING</b>					
13	(a) supply and fix copper plate earth station with 600x600x3 mm thick copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i/c excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as reqd as per IS-3043-1987. The voltage between neutral & earth must be below 1 volt.	1	set		
	(b) supply and fix G.I. plate earth station with 600x600x6 mm thick G.I. plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i/c excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as reqd as per IS-3043-1987.	2	set		
14	(a) supplying, fixing & termination of 20x3 mm copper strip with earth station below ground level etc complete as reqd.	5	mtr		

Sr.no	Item of Work	Qty	Unit	Rate	Amount
	(b) supplying, fixing & termination of 32x6 mm G.I. strip with earth station below ground level and on wall saddle etc complete	10	mtr		
15	(a) providing and fixing 8 S.W.G. copper earth wire on surface or in recess for loop earthing etc. as reqd.	40	mtr		
	(b) providing and fixing 8 S.W.G. G.I. earth wire on surface or in recess for loop earthing etc. as reqd.	30	mtr		
16	Supply & laying 2mm thick 25 mm dia ISI mark PVC conduit pipe complete with accessories such as bends, junction boxes etc under floor or in recessed walls from copper earth electrode to UPS room for computer dedicated earthing, from GI earth electrode to main panel & UPS panel etc. wherever reqd. <b>Note:</b> flexible pipe not to be used any where.	65	mtr		
<b>COMMUNICATION</b>					
17	Networking for computer networking starting from mounting rack with UTP CAT-6 cable in 2mm thick 25 mm dia ISI mark PVC conduit with accessories such as bends, junction boxes including providing and fixing I/O plates and SMB complete with all networking accessories etc complete as reqd. <b>Note:</b> flexible pipe not to be used any where.	24	no.		
18	Supply, installation, testing and commissioning of 24-port Patch Panel	1	no.		
19	Supply, installation, testing and commissioning of mounted rack 15" height made of powder coated MS sheet	1	no.		
20	supply, installation, testing and commissioning of <b>factory made</b> patch cable CAT-6 complete with 2 no. connectors etc. complete as reqd.				
	(a) 1 mtr. long	28	no.		
	(b) 2 mtr. long	24	no.		
21	wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolytic copper conductor in 2mm thick 25mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of G.I. box modular plate and cover in front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as reqd. <b>Note:</b> flexible pipe not to be used any where.	20	no.		
22	Supply & fixing of 20 pair FRP/PVC/Metal junction box with KRONE disconnection module necessary tag for identification	2	no.		
23	Supply, installation, testing and commissioning of 10 pair telephone unarmoured cable as required. (Make- finolex/delton/polycab)	65	mtr.		
24	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)	20	mtr		
b)	Blue Colour Cat No.LST 20 BL(M/s Crompton)	20	mtr		

Sr.no	Item of Work	Qty	Unit	Rate	Amount
25	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)	35	no.		
(b)	Two light point controlled by one switch	60	no.		
(c)	One plug point	20	no.		
(d)	one switch controlled by one socket (independent for wall fan)	32	no.		
<b>AIR CONDITIONING WORK</b>					
26	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)				
	1/4" + 1/2" Refrigerant piping - For Hiwall Split AC's	180.00	mtr.		
27	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)	50.00	mtr		
28	Electrical flexible cable of 3x2.5sq.mm multi strand suitable for 1.5 Tr H.W Split & 1.00 Tr H.W Split. Multi-runs between Indoor & Outdoor units shall be considered as ONE length for the purpose of measurement.(Make: Havells/ RR Kable / KEI/Finolex)	320.00	mtr		
<b>SUPPLY OF FIXTURES</b>					
1	SITC of 36 watt recess mounted <b>LED Light panel</b> 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. LCTLRN-36-FO-CDL or equivalent of Philips/Wipro/ Bajaj)	24	no.		
2	SITC of 5 watt recess mounted <b>LED down light</b> with assembly complete with including making necessary connections etc. Complete as reqd. ( M/s Crompton Cat No. Or equivalent of Philips/Wipro/ Bajaj)	14	no.		
3	SITC of 15 watt recess mounted <b>LED down lighter</b> with assembly complete with including making necessary connections etc. Complete as reqd. ( M/s Crompton Cat No. LCDE-15-CDL or equivalent of Philips/Wipro/ Bajaj)	60	no.		
4	Supply of 450 mmm sweep wall fan complete as reqd. Model turbo 180, USHA Make or equivalent of Crompton/Havells/Bajaj	17	no.		



Sr.no	Item of Work	Qty	Unit	Rate	Amount
5	Supply and fixing of LED type fitting <b>20 watt, 4 feet</b> (M/s Phillips or equivalent of Wipro/ bajaj)	5	no.		
6	Supply and installation of 12" size <b>medium duty exhaust fan</b> . (Make: Crompton High Flo or equivalent of Khaitan / Bajaj) (Necessary framing, wall cutting & finishing to be done by Contractor)	5	no.		
<b>SUB TOTAL PART C</b>					
<b>GRAND TOTAL PART A + PART B + PART C</b>					

In Words

Signature of Contractor with Stamp