

S. No.	Technical Description	Unit	Total Qty.	Rate	Amount
	<p><u>Interior Works</u></p> <p><u>General Notes</u></p> <p>(#) All base structure for furniture & shutters will be made of MR grade commercial block board as per thickness mentioned in the description.</p> <p>(#) All wall panelling & partitions shall be made of moisture resistant MDF (interior grade) cladding with GI Box (C) corrugated (thk 1.5 mm minimum) section support (as mentioned in description). MDF thickness and finishing detail will be as per description of the item.</p> <p>(#) All skirting will be made of BWR grade ply wood (thickness as mentioned). Finishing as per details mentioned in the description.</p> <p>(#) All drawers and internal supports of furniture will be made of MR grade commercial ply-wood. Finishing as per details mentioned in the description.</p> <p>(#) All finishing laminates for furniture and partition & wall panelling will be of 1 mm thick and to be fixed with Fevicol glue (SH) only. All laminates for internal parts will be of 0.75 thickness (frosty white).</p> <p>(#) All PVC edge tapes to be fixed with Fevicol pro-bond only.</p> <p>(#) All laminates for skirting or lower part of partitions / wall panelling will be fixed with Fevicol – Marine only.</p> <p>(#) All metal chanel for false ceiling and partition are to be of Gyproc brand</p> <p>(#) All low height partitions to be provided with pine wood / 2nd class teak wood beading, projected 8 mm on both sides, corner chamfered (as per drawing) and finished with spirit polish (shade as per mentioned in drawing), cost of beading included with in the item of partition.</p> <p>(#) All glass for all areas to be fixed with pine wood / 2nd class teak wood beading, projected 3 mm along external sides, corner chamfered (as per drawing) and finished with spirit polish (shade as per mentioned in drawing), cost of beading included with in the item of glass work.</p> <p>(#) All skirting top to be provided with pine wood / 2nd class teak wood beading, projected 3 mm along external sides, corner chamfered (as per drawing) and finished with spirit polish (shade as per mentioned in drawing), cost of beading included with in the item of skirting.</p> <p>(#) All wooden joint are to be made either through Half-lap joint; Mortise & tennon joint, Mitre joint, Tongue & groove joint, Mortice & tennon joint. Simple Butt joints will not be acceptable. All joint are to be provided with Fevocol & Secrews.</p>				

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	<u>PARTITIONS AND PANELLING:-</u>				
1	<p>◆Full Height Partition: Providing and fixing in position Full Height partition with GI framework of 600 X 600 mm grid (horizontally and vertically) comprising of 48 mm X 34 mm X 36 mm heavy duty GI (C-stud)-Sections (thk 0.5 mm minimum) & noggin channel 48mm X40mm X0.5mm thk; (all channels are to be of GYPROC make) with 12 mm thick moisture resistant MDF (interior grade) on both sides finished with 1 mm thick laminate, shade as mentioned in drawing, of make (as mentoioned in list of approved make); including grooves as per drawing.</p> <p>◆Grooves to be finished with woodtech filler (asian paints/ nerolac paints) of specified shade as mentioned in drawing.</p> <p>◆All exposed teakwood surfaces are to be finished with spirit polish (gloss finish) shade matching with laminate colour or as mentioned in drawing; including all necessary fittings and SS hardware (as per list of approved make)</p> <p>◆The rate to include provision of extra frame work as necessary for skirting and making cut-outs for electrical switches, switch boxes, conduiting, door/ glazing as per drawings.</p> <p>(#) Skirting made of 15 thk BWR grade ply board finished with laminate (1 thk, shade as mentioned in drawing), 100 mm wide, and upper part finished with teak wood beading (finishing as mentioned before) to be provided as part of this item where ever mentioned in the drawing; without any extra cost.</p>	Sqm	23.00		
	<p>Note:-</p> <p>a) In case of false ceiling, the vertical GI members to be fixed to RCC ceiling or to be joined with False ceiling faming with secrews but the area of partition payable will be below the false ceiling only.</p> <p>b) Measurement of height shall be taken from finished floor only, in case of varying heights on either side of partition, average height shall be considered.</p> <p>c) Openings/ door/ glass shall not be measured for payment.</p>				

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2	<p>◆Low Height Partition: Providing and fixing in position solid Low Height partition upto height of 1200 mm supported with GI framework; comprising of 48 mm X 34 mm X 36 mm heavy duty GI (C-stud)-Sections (thk 0.5 mm minimum) & noggin channel 48mm X40mm X0.5mm thk; (all channels are to be of GYPROC make); with 12 mm thick moisture resistant MDF (interior grade) on both sides finished with 1 mm thick laminate of approved shade as per drawing including grooves as/ Architect.</p> <p>◆Grooves to be finished with woodtech filler (asian paints/ nerolac paints) of specified shade as mentioned in drawing.</p> <p>◆Item to include 65 X 65 mm teakwood member for door frame. All exposed teakwood surfaces and similar surfaces to be finished with spitirt polish (gloss finish) shade matching with laminate colour or as mentioned in drawing including all necessary fittings and SS hardware of make Hettich/ Haffele/ Dorma.</p> <p>◆The rate to include provision of extra frame work as necessary for skirting and making cut-outs for electrical switches, switch boxes, conduiting as per drawings.</p> <p>(#) Skirting made of 15 thk BWR grade ply board finished with laminate (1 thk, shade as mentioned in drawing), 100 mm wide, and upper part finished with teak wood beading (finishinf as mentioned before) to be provided as part of this item where ever mentioned in the drawing; without any extra cost.</p> <p>(#) Beading made of pine wood / 2nd class teak, projected 8 mm on both sides, corner chamfered (as per drawing) and finished with spirit polish (shade as per mentioned in drawing), to be provided on top part and edges of the low height partition without any extra cost, all complete.</p>	Sqm	25.00		
	<p>Note:- a) Measurement of height shall be taken from finished floor only, in case of varying heights on either side of partition, average height shall be considered.</p> <p>b) Openings/ door/ glass shall not be measured for payment.</p> <p>c) Contractor to use proper masking tapes while polishing grooves etc. to prevent any damage to laminate.</p>				
3	<p>◆Providing and fixing of wall panelling of any shape (Flat only, with no-projection, but may extened upto 100 mm from existing brick wall surface lvl.) over existing wall surface (plastered surface, what ever condition existing at site, if require the existing surfaces are to be repaired with out any extra cost) or partition wall; with GI framework of 600 X 600 mm grid (horizontally and vertically) comprising of 48 mm X 34 mm X 36 mm heavy duty GI (C-stud)-Sections (thk 0.5 mm minimum) & noggin channel 48mm X40mm X0.5mm thk; (all channels are to be of GYPROC make); and fixing details as per mentioned in drawing, design and cladding / covered with 12 mm thick moisture resistant MDF (interior grade); with all necessary hardware items, all complete as per design and instruction of architect.</p> <p>◆All visible surfaces of wall paneling have to be finished with laminate sheet (1.0 mm thk) shade as mentioned in drawing.</p> <p>◆Wall panelling will be provided with 100 mm wide (as per drawing where ever required) skirting made of 15 mm thk ply-wood (BWR), finished with 1thk laminate as mentioned in drawing and top edge to be finished with 15 thk wood beading, chamfered edge, finished with spitirt polish (gloss finish) shade matching with laminate colour or as mentioned in drawing, all complete.</p>	Sqm	196.00		

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	<p>◆The depth parts (of the wall panelling - distance between wall and the wall panelling) are to be closed / blocked with 12mm thk. MDF (moisture resistant) and to be finished with laminate sheet (1mm) as specified in drawing.</p> <p>◆Shade & quality of finishing material, hardware items, placement, construction detail will be followed as per drawing, list of approved makes & on site approval.</p>				
	<p>◆Note:- a) In case of false ceiling, area of panelling payable will be below the false ceiling only.</p> <p>b) Measurement of height shall be taken from finished floor only, in case of varying heights on either side of panelling, average height shall be considered.</p> <p>c) Openings/ door/ glass shall not be measured for payment.</p> <p>d) visible front surface (elevation - 2D surface) only will be measured for payment.</p> <p>◆Rates are inclusive of all related items & works, described above. Only the front surface (front elevation) will be measured for measurement.</p>				
4	<p>◆Providing and fixing of wall panelling of any shape (Flat only, with no-projection, but may extended upto 100 mm from existing brick wall surface lvl.) over existing wall surface (plastered surface, what ever condition existing at site, if require the existing surfaces are to be repaired with out any extra cost) or partition wall; with GI framework of 600 X 600 mm grid (horizontally and vertically) comprising of 48 mm X 34 mm X 36 mm heavy duty GI (C-stud)-Sections (thk 0.5 mm minimum) & noggin channel 48mm X40mm X0.5mm thk; (all channels are to be of GYPROC make); and fixing details as per mentioned in drawing, design and cladding / covered with 12 mm thick moisture resistant MDF (interior grade); with all necessary hardware items, all complete as per design and instruction of architect.</p> <p>◆All visible surfaces of wall paneling have to be finished with laminate sheet (1.0 mm thk) shade as mentioned in drawing.</p> <p>◆Wall panelling will be provided with 100 mm wide (as per drawing where ever required) skirting made of 15 mm thk ply-wood (BWR), finished with 1thk laminate as mentioned in drawing and top edge to be finished with 15 thk wood beading, chamfered edge, finished with spitirt polish (gloss finish) shade matching with laminate colour or as mentioned in drawing, all complete.</p>	Sqm	196.00		
	<p>◆The depth parts (of the wall panelling - distance between wall and the wall panelling) are to be closed / blocked with 12mm thk. MDF (moisture resistant) and to be finished with laminate sheet (1mm) as specified in drawing.</p> <p>◆Shade & quality of finishing material, hardware items, placement, construction detail will be followed as per drawing, list of approved makes & on site approval.</p>				
	<p>◆Note:- a) In case of false ceiling, area of panelling payable will be below the false ceiling only.</p> <p>b) Measurement of height shall be taken from finished floor only, in case of varying heights on either side of panelling, average height shall be considered.</p> <p>c) Openings/ door/ glass shall not be measured for payment.</p> <p>d) visible front surface (elevation - 2D surface) only will be measured for payment.</p> <p>◆Rates are inclusive of all related items & works, described above. Only the front surface (front elevation) will be measured for measurement.</p>				

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5	<p>◆Providing and fixing of wall panelling projection / projection over partition [of any shape <u>up to a projection of 100 mm from wall panel / flat partition surface base</u>] fixed over flat wall panelling base surface. The projections are to be made of 12 thk MDF (<u>moisture resistant</u>) without any additional GI or Aluminium framing and to be finished (all visible surfaces) with 1 thk laminate, shade as mentioned in drawing and as per approval at site.</p> <p>◆All visible surfaces of ornamental projections (part of wall panelling) have to be finished with laminted sheet (1.0 mm thk) shade as mentioned in drawing or on-site approval.</p> <p>(#) Wall panelling will be provided with 100 mm wide (as per drawing where ever required) skirting made of 15 mm thk ply-wood (BWR), finished with 1thk laminate as mentioned in drawing and top edge to be finished with 15 thk wood beading, chamfered edge, finished with spitirt polish (gloss finish) shade matching with laminate colour or as mentioned in drawing, all complete.</p>	sqm	122.00		
	<p>◆Shade & quality of finishing material, hardware items, placement, construction detail will be followed as per drawing, list of approved makes & on site approval.</p> <p>◆Note:-</p> <p>(a) In case of false ceiling, area of panelling payable will be below the false ceiling only.</p> <p>(b) Measurement of height shall be taken from finished floor only, in case of varying heights on either side of panelling, average height shall be considered.</p> <p>(c) Openings/ door/ glass shall not be measured for payment.</p> <p>(d) Visible front surface (elevation - 2D surface) only will be measured for payment. Depth parts of the projections will not be considered for payment.</p> <p>(e) Ornamental projections may be of any width (ranging from 40 mm to 1.5 mts). No projection will be measured in running meter, all will be measured in sqmts unit.</p> <p>(f) Rates are inclusive of all related items & works, described above. Only the front surface (front elevation) will be measured for measurement.</p>				
6	<p>◆Providing and fixing of lacquered glass of 6 mm thickness (PLANILAQUE®- saint Govin), of any colour (as mentioned in drawing / as per approval of architect/ Bank's engineer) to be placed on ply wood/ MDF surface at any location, with superior quality netrual colour glass silicon / resine / Araldite and wooden beading support as per design and drawing, all complete in all respect.</p> <p>◆All the edges of the glass panels are to be bevelled and rounded form all the sides.</p> <p>◆Shape, design & quality of material, placement will be followed as per drawing, list of approved makes & on site approval. Wooden beading to are to be finished with spirit polish (gloss finish) shade matching with laminate colour or as mentioned in drawing; including all necessary fittings and SS hardware (as per list of approved make)</p> <p>◆Rates are inclusive of all related items & works. Measurement will be done on finished surface area basis.</p>	Sqm	₹ 53.00		

S. No.	Technical Description	Unit	Total Qty.	Rate	Amount
7	<p>◆Providing and fixing glazed door and fixed glazing (full/ low height glass partition) with 12 mm thick toughened glass of approved make with all SS patch fittings (Hettich/ Haffele/ Dorma). Item to include floor springs, lock, 300 mm long D- handles and other necessary hardware of Stainless Steel of make Hettich/ Haffele/ Dorma all complete as per the directions of Architect/ Engineer-in-charge.</p> <p>◆All fixed glasses are to be fixed with teak wood beading (15 thk) in partition and width as per site requirement, 8 mm projected from partition surface, edges chamfered and to be finished with spirit polish, gloss finish, shade as mentioned in drawing all complete in all aspect, base to be prepared with wooden putty and primer; all cost inclusive.</p> <p>◆NOTE : Glass will be fixed in 2 parts where ever single piece glass is not available; as per design scheme with all fixing accessories; with no extra cost.</p>				
	Fixed Glazing, 12 thk tamper glass	Sqm	45.00		
8	Same as above with.... Openable door, 12 thk tamper glass	Sqm	10.00		
	STORAGE:-				
9	<p>◆Providing and fixing low height storage (upto 1200 mm high) and 450 mm deep as shown in details/ drawing with all sides, shelves (at every 400 mm) to be 19 mm MR grade commercial block board and 12 mm MR grade plywood to be fixed at the back. ◆The top shall be finished with 1 mm thick laminate over 19 mm thick MR commercial block board all complete. The shutters to be 19 mm thick MR commercial block board. All Exposed surfaces are to be finished with 1 mm thick laminate as/ approval of approved make and all internal surfaces are to be finished with 0.75 mm thk laminate (frosty white).</p> <p>◆The sides/ bottom of the drawer shall be made out of 12 mm thick MR grade plywood and finished with PVC edge banding. All other edges/ shutters to be finished with PVC edge banding all complete including S.S. long handles, magnetic catchers, self closing hinges/ telescopic hinges etc. Contractor to use proper masking tapes while polishing grooves etc. to prevent any damage to laminate.</p> <p>◆Grooves to be finished with woodtech filler (asian paints/ nerolac paints) of specified shade as mentioned in drawing.</p>	Sqm	17.00		
	<p>◆All exposed teakwood surfaces are to be finished with spirit polish (gloss finish) shade matching with laminate colour or as mentioned in drawing; including all necessary fittings and SS hardware (as per list of approved make)</p> <p>[Front elevation shall be measured for payment].</p>				
10	Same as above but side storage of average size 900 to 1050 (L) mm X 750 or 700 (H) mm and having minimum two drawers as/ drawings.	Nos.	10.00		
11	<p>Providing, fabricating and fixing in position as per layout plan overhead cabinets (400 mm deep). The specifications for the framework/ carcass and shutters of the cabinets are same as given for the cabinets above</p> <p>◆[Front visible surface area of the cabinets shall be measured for payment].</p>	Sqm	2.00		

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12	Same as above but for under counter (below RCC slab) and 600 mm deep.	Sqm	5.00		
DOORS :-					
13	<p>Solid Flush door with vision panel: Providing and fixing 30 mm thick flush door with 10 mm thick teakwood lipping on all sides finished in 1 mm thick laminate on both sides of approved shade, with all necessary hardware including SS door handle, SS stopper, lock, door closer, SS heavy duty butt hinges etc. as per directions of Architect/ Bank. Item to be include 175 x1500 mm vision panel (5.5 mm float glass) in door including fixing etc. <u>all complete and 2 coat of Fire retardant paint Viper of navair/ approved equivalent.</u></p> <p>◆Necessary wood frame of 2nd class teak wood (size 75 X75) to be provided all around for fixing of shutters. The frame to be fixed with partition or wall with holdfast / GI fastner.</p> <p>◆<u>All exposed teakwood surfaces are to be finished with spitirt polish (gloss finish) shade matching with laminate colour or as mentioned in drawing ;</u> including all necessary fittings and SS hardware (as per list of approved make)</p>	Sqm	4.00		
14	<p>Providing and fixing of 1 mm thick laminate (on both sides of shutter) & SS made T grid (8 wide, 5 deep & 0.5 thk, Gold / SS mirror finish); shade & pattern of laminate & grooves as per approval / design & drawing and all the edges to be finished with lipping of 2nd class teak wood battens 25 mm minimum wide & 2mm thk, on all edges of flush door shutters.</p> <p>◆Grooves to be finished with ASIAN woode tech filler (of approved shade as per architect's approval)</p> <p>◆Laminates to be fixed by following grooves (following geometric pattern); as mentioned in drawing (3 mm & 5 mm).</p> <p>All required hardware SS handle both side, 3 no's SS bearing butt hinges, 9" SS tower bolt (solid type), SS buffer, SS door stopper, SS cylindrical lock etc. all are included with in this item of work.</p> <p>NOTE:- Wherever required (<i>incase of site requirement</i>) 8mm thk. ply to be fixed (included all necessary tools) for fixing of laminate on door surface. Price of 8 thk. ply, fixing and related jobs are inclusive with in this item of work.</p>	Sqm	38.00		

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15	<p>Electrical Panel Cabinet with louvres door:</p> <p>◆Providing and fixing 19 mm thick MR grade blockboard shutter finished in 1 mm thick laminate on both sides of approved shade & approved make with all necessary hardware including SS door handle, SS stopper, lock, door closer, self close hinges etc. of make Dorma/ Hettich/ Hafele all complete as per directions of Architect/ Bank.</p> <p>◆All edges/ shutters to be finished with 0.8 mm thick PVC Edge banding.The item to include MS louvers, (powder coated paint finishing) in the shutters of the door (size & shade as mentioned in drawing) and 1 mm thick laminate on shutters, as mentioned in drawing <i>.(front facia to be mesured for payment) and 2 coat of Fire retardant paint Viper of navair/ approved equivalent.</i></p> <p>◆<u>The inner surface of the shutter panels and of the cabinet surfaces to be finished with 6/8 thk cement sheet (everest or similar make) for fire protection .</u></p> <p>The joints to be finished with putty and finally to be painted with fire retardant paint, as mentioned above; all complete in all aspect and all costs inclusive with in this item of work.</p>	Sqm	4.00		
CEILING AND FINISHING WORKS:-					
16	<p>◆Providing and fixing at all height false ceiling and making coves including providing and fixing of framework made of special sections power pressed from M.S. sheet and galvanised in accordance with zinc coating of grade 350 as per IS : 277 and consisting of angle cleats.</p> <p>◆The perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre with 25 mm long drive-all screws @ 230 mm interval including jointing and fixing to a flush finish of tapered and square edges of the board with recommended filler, jointing tapes, finisher and one coat of primer suitable for board as per manufactures specification and also including the cost of making openings for light fittings, grills, diffusers, cut-outs made with frame of perimeter channels suitably fixed all complete as per drawing and specification and direction of the Engineer in Charge with: 12.5 mm thick tapered edge gypsum board conforming to IS:2095- Part-I of India Gypsum/ approved make for both framework and the board.</p> <p>◆Item to include painting with plastic emulsion paint with 'ASIAN ROYALE or higher' of approved brand and manufacture to give an even shade: Two or more coats on new work with rollers/ spray of make Asian/ Berger/ Dulux paint.</p> <p>◆Note:- Suspending system and frame work shall match layout of Electrical/ fire protection wiring/ fixtures etc. Rate to include provision of extra frame work needed due to above and to include necessary scaffolding etc. all complete.</p>	Sqm	214.00		

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17	Providing and fixing Metal False Ceiling <u>perforated Tiles</u> of Metal ART/ GYPROC/ Armstrong/Citizen with MICROLOOK edges (CLIP-IN type); <i>with intermediate sunk grooves</i> and having noise reduction properties laid on exposed grid system with 15mm wide Silhouette type T-section flanges of white colour, perforation 1.8 mm Diagonal- Pearl White colour; main runners spaced at 1200 mm c/c securely fixed to the soffit of structure with approved hangers at 1200 mm maximum c/c. Flush fitting 1200 mm crossed tees to be interlocked between main runners at 600 mm c/c to form 1200 x 600 modules. 1200 mm cross tees to be crimped. 600 x 600 module to be formed by fixing 600 mm long flush fitting cross tees centrally between the 1200 cross tees. Ceiling tiles of size 600 x 600 (<u>sample to be approved before installation</u>) to be placed in the grid. Rate to include making necessary cut-outs or openings for light fixtures, air conditioners and other utilities etc. complete to the satisfaction of Architect/ Bank's Engineer.	Sqm	111.00		
18	Providing and applying white cement based putty (Biral putty or equivalent) of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. Note: Taken as last minute finishing.	sqm	212.00		
19	Providing and applying plaster of paris putty of 5 mm thickness over plastered surface to prepare the surface even and smooth complete. Note: Taken as last minute finishing.	Sqm	43.00		
20	Wall painting with plastic emulsion paint with ' Tractor - plastic emulsion ' of approved brand and manufacture to give an even shade: Two or more coats on new work with rollers/ spray of make Asian/ Nerolac / Dulux paint. Note: Taken as last minute finishing.	Sqm	212.00		
21	Painting with enamel paint on metal works / wood surface / MDF surface of approved brand and manufacture to give an even shade: Two or more coats on new/existing work with brush+rollers / spray of make Asian/ Berger/ Dulux paint. ♦ Note : Before application of paint base surface to be prepared with sand paper grinding and repair of putty - wooden / mixture of wooden dust plus glue (where ever required) . All cost inclusive. Note: Taken as last minute finishing.	Sqm	124.00		
COUNTERS AND TABLES:-					
22	Providing and fixing in position Officer's table (average size -1500-1750) X 750 mm wide finished with 1 mm thick laminate ; shade as per approval or as mentioned in drawing comprising of the following complete in all respects (REFER DRAWING): ♦Work top to be made with 19 mm thick MR grade commercial block board and finished with 1 mm thick laminate. <u>8 mm thick clear toughened glass with bevelled edges to be provided on top</u> . All internal surfaces are to be finished with 1 mm thick laminate and edges shall be finished with teak wood patti / leaping / beading.	Nos.	2.00		

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	<p>◆Part of the front side of the table will be finished with lacquered glass (min. 6thk of approved shade, supported with wooden beading <i>(as mentioned in drawing as per requiremnet, saint-govin-PLANILAQUE)</i> to be fixed with glue / rasin / <i>Araldite</i>.</p> <p><u>Rate of lacquered glass included with in this item.</u></p> <p>Vertical facia (apron) to be made with 19 mm thick MR grade commercial block board and finished with 1 mm thick laminate on all exposed facia with grooves as per Architect.</p> <p>◆<u>Grooves to be finished with woodtech filler (asian paints/ nerolac paints) of specified shade as mentioned in drawing.</u></p> <p>◆Vertical drop box (horizontal box) shall be provided on the facia with 19 mm thick MR grade blockboard finished with 1 mm thick laminate on all sides all complete as per drawing.</p> <p>◆Vertical supports made with 19 mm thick MR grade commercial block board finished with 1 mm thick laminate on all exposed facia as per drawing.</p> <p>◆Telescopic CPU stand and readymade keyboard tray shall be provided of approved model and make.</p> <p>◆Boxing as per drawing to be made with 12 mm thick Mr grade plywood finished with 0.75 mm thk laminate shall be provided below the table top for electrical conduiting and at the bottom for the LAN cabling/ telephone wire conduiting.</p> <p>◆The item to include all necessary hardware and fittings in SS finish, 10 mm thick lipping/ teak patti to all edges, providing SS wire manager etc. Necessary SS D-brackets required for fixing the glass are to be provided.</p> <p>◆All exposed teakwood surfaces / wooden beading are to be finished with spitirt polish (gloss finish) shade matching with laminate colour or as mentioned in drawing; including all necessary fittings and SS hardware (as per list of approved make).</p> <p>◆[Note:- Contractor to use masking tapes etc. to prevent any polishing from affecting the laminate.]</p> <p>◆<u>The item to include drawer unit (comprising of 3 Nos. of drawers upto 400 mm wide & 450 mm deep) in table.</u></p>				
23	same as above but average size of table is (2500 x 900) mm	Nos.	2.00		
24	<p>◆Providing and fixing in position Single Window counter 1500-2000 X 750 mm wide along with side storage 750 X 900 mm finished with 1 mm thick laminate comprising of the following complete in all respects (REFER DRAWING):</p> <p>◆Work top to be made with 12 mm solid acrylic surface pasted over 19 mm thick fire retardant blockboard including polishing, edge moulding etc. all complete (to be measured and paid separately). Inside portion of the blockboard shall be finished with 0.8 mm thick laminate all complete as per Architect.</p> <p>◆Horizontal drop box (apron) to be made with 19 mm thick MR garde block board and finished with <u>12 mm solid acrylic surface including polishing, edge moulding etc. all complete on all exposed facia as per Architect (to be measured and paid separately).</u></p> <p>◆Horizontal facia shall be finished with laquered glass pasted with adhesive etc. as required all complete as per the directions of Architect/ Bank's Engineer.</p> <p>◆Vertical supports made with 19 mm thick blockboard finished with 1 mm thick laminate on all exposed facia as per Architect.</p> <p>◆Part of the front side will be finished with lacquered glass (min. 6thk of approved shade, saint-govin-PLANILAQUE) to be fixed with glue / rasin.</p> <p>◆<u>Rate of lacquered glass included with in this item.</u></p>	each	6.00		

S. No.	Technical Description	Unit	Total Qty.	Rate	Amount
	<ul style="list-style-type: none"> ◆Telescopic CPU stand/ CPU trolley with lockable wheels and readymade MS/ wooden keyboard tray shall be provided of approved model and make. ◆Providing and fixing low height side storage (750 mm high) and 450 mm deep as shown in details/ drawing with all sides, shelves, drawer facia etc. The unit to be made of 19 mm MR grade commercial blockboard with 8 mm thick MR grade plywood to be fixed at the back. The shutters to be 19 mm thick MR grade commercial board with 1 mm laminate on all exposed outside surfaces and 0.75 mm thick laminate on all the internal surfaces. ◆All edges/ shutters to be finished with PVC Edge banding all complete including S.S. long handles, magnetic catchers, self closing hinges of Hettich/ Haffele and Godrej multi-pupose locks etc. ◆All internal surfaces to be finished with laminate (0.75 mm thk - frosty white) all complete to the satisfaction of Architect/ Engineer-in-charge. The top shall be finished with 12 mm solid acrylic surface (to be measured and paid separately) pasted over 19 mm thick MR grade commercial blockboard including polishing, edge moulding etc. all complete. ◆The item to include all necessary hardware and fittings in SS finish, providing SS finish wire manager etc. Necessary SS D-brackets required for fixing the glass are to be provided. ◆The item to include drawer unit (comprising of 3 Nos. of drawers upto 400 mm wide) in table. The unit to be made of 15 thk MR grade commercial ply board & to be finished with 0.75 thk white laminate (internal sides) and 1 thk laminte for external sides. 				
25	<ul style="list-style-type: none"> ◆Providing, supplying & making of Working Table + Drawer unit + Footrest. Average size of table will be 700-750 (W) X 1400-1700 (L) X 750(H). In few cases sizes may get changed due to site condition (presence of pillar. door, or any other physical componets), but payment will be made based on this item only. (ref layout plan for clarity) ◆Structurally the workstation top will be fixed with surrounding low heighten / full heighten partition <u>(partition will be paid separately).</u> ◆The top part of the table to be made of 19 mm thick MR grade commercial block board, finished with 1.0mm thk. laminate for all exposed surface & shade as mentioned in drawing; and all internal surfaces to be finished with 0.75 mm thk laminate (frosty white); to be provided with necessary edge PVC tapes and with Cable managers as mentioned in drawing. ◆Counter to have one drawer unit (3 drawers, 400 wide internal, 450 length internal, depth as per site) per occupant (approx. 1200-1650 mm running length per occupant); with all necessary hardware accessories (handle, telescopic chanel, lock etc) as mentioned in drawing. ◆Drawer units shall have two smaller and one bigger drawer and locking arrangement ◆ Key board tray & CPU trolley to be provided as per drawing & site requirement. ◆Foot rest made of 19 thk block board (150 wide & 40thk) will be provided at the bottom (supported at intermediate low heighten partitions). Foot-rest to be finished with laminate. ◆Shade & quality of finishing material, hardware items, placement, construction detail will be followed as per drawing, list of approved makes and as-per on site approval. ◆Payment will be made unit area basis (measured on plan). Rates are inclusive of all related items & works. 				
	Working Table average size : (1540 x 750)	Nos.	3.00		

S. No.	Technical Description	Unit	Total Qty.	Rate	Amount
26	<p>◆Providing and supplying of Corner / side table of average size 650 mm X 650 mm, with wooden top (19 thk MR grade commercial block board) finished with 1 thk. laminate, and having lower shelf made of 12 thk. tempered clear glass, as design and drawing and as per the shade and finish approved by client; at desired location all complete in all respect.</p> <p>◆Table top to be provided with 12 thk clear tempered glass (side edges bebbled). Cost of this glass included with in this item of work.</p>	each	2.00		
27	<p>(#) Providing and fixing in position Reception table, average size- 1750 X650 X 1050(h) mm wide (as per design) finished with 1 mm thick laminate; shades as mentioned in drawing ; comprising of the under mentioned components, all complete in all respects (REFER DRAWING):</p> <p>(#) Couter / table-top to be made with 19 mm thick blockboard finished with 1 mm thick laminate as approved make all complete. Inside portion of the blockboard shall be finished with 1 mm thick laminate and edges shall be finished with teak wood patti / beading.</p> <p><u>(#) All exposed teakwood surfaces are to be finished with spitirt polish (gloss finish) shade matching with laminate colour or as mentioned in drawing ; including all necessary fittings and SS hardware (as per list of approved make)</u></p> <p>(#) Horizontal drop box (apron) to be made with 19 mm thick MR grade commercial blockboard and finished with 12 mm solid acrylic surface including polishing, edge moulding etc. all complete on all exposed facia as mentioned in drawing. <u>(solid acrylic will be paid separately)</u></p> <p>(#) Part of front & side facia (elevation) shall be finished with laquered glass pasted with adhesive etc. as required all complete as per the directions of Architect/ Bank's Engineer. <u>(cost of lacquer glass is included with in this item of work)</u></p> <p>(#) The vertical supports are to be made with 19 mm thick fire MR grade commercial block-board finished with 1 mm thick laminate on all exposed facia as mentioned in drawing.</p> <p>(#) Telescopic CPU stand and readymade keyboard tray shall be provided of approved model and make.</p> <p>(#) The item to include all necessary hardware and fittings in SS finish, 10 mm thick lipping/ teak wood patti / beading to all edges, providing SS wire manager etc.</p> <p>(#) [Note:- Contractor to use masking tapes etc. to prevent any polishing from affecting the laminate.]</p>	Nos.	2.00		
28	<p>◆Providing and supplying of Form Filling Counter of average size 1500 mm X 300 mm, with wooden top (19 thk MR grade commercial block board) finished with 1 thk. laminate, and having lower shelf made of 12 thk., Writting table to be provided with 4 nos. od shutter made of 19 thk MR grade Commercial blockboard finished with 1 mm thk laminate edges with PVC tape , with autolocking hinges and lockers and handles, one intermediate horizontal shelf to be provided internally made of 19 thk block board finished with 1 thk laminate all Complpete, as per design and drawing and as per the shade and finish approved by client; at desired location all complete in all respect.</p> <p>◆Table top to be provided with 12 thk clear tempered glass (side edges bebbled). Cost of this glass included with in this item of work.</p>	each	1.00		

S. No.	Technical Description	Unit	Total Qty.	Rate	Amount
	MISCELLANEOUS:-				
29	Providing and fixing of satin brush finish stainless steel lettering in 18 gauge sheet (SS-304 grade) of required size and shape including fixing with necessary stainless steel nuts and bolts/ araldite including stainless steel welding as per approved architectural drawing etc. all complete as per direction of Engineer-in-charge.	per square inch	688.00		
30	(#) Supply, Fabrication and Installation of Corian Dupont/ Luxor Durlax/ LG of 'EVEREST shade' 12 mm thk. applied on Table top, table Sides, Wall, Logo and at similar locations; with required bends as per design. (#)The edges to be joined should be straight, smooth and clean. Joints should only be made with joint adhesive for Dupont Corian. All corners of a cutout must be rounded to 5mm radius and the edges smoothed, both on top & bottom, all around a cutout. "L" & "U" shaped corners need smooth 5 mm radius inside corner all complete as per the the directions of the Architect/ Bank's Engineer. Note:- Finished area shall only be measured for payment. Noting extra shall be paid for any special shape or curved shapes.	Sqm	22.00		
31	Providing and fixing high quality polyster based 3M Glass Deco film (lazer cut) in graphic pattern including labour, wastages etc. all complete as per instructions of Architect/ Bank's Engineer.	Sqm	59.00		
32	Supplying & installation of roller blinds (premium range, semi transparent with woven pattern, monochrome colour- Vista model no: FAWN-552) for windows made of synthetic, washable fabrics of Vista or higher make (to be approved by SBI / Architect); all complete etc. as per the directions of the Architect; all complete for smooth functioning. Including proving and fixing of Pelmet made of ply board 175 wide, 150 deep; anti termite treated, finished with laminate 1 thk, edges to be finished with PVC tape matching with laminate colour, with required py board supports in between as per site requiremet and as mentioned in drawing; all complete in all aspect. <i>Note : Only the elevation surface area of the blind will be measured for payment.</i>	Sqm	4.00		
33	◆Providing and fixing of pin board (made of soft core board, covered with thick - cotton cloth from front and sides without any wrinkles; through glue and wood stapler guns). The pinboard n board can be of any shape and to be fixed on wall panelling or partition surface; with all necessary harware items, all complete as per design and instruction of architect. ◆The entire surface to be wrinkle / bubble free and the cloth to be fixed in very tight and neat manner. ◆Shade & quality of finishing cloth, will be followed as per drawing, list of approved makes & on site approval. ◆Rates are inclusive of all related items & works. Only the front surface (front elevation) will be measured for mesurement.	sqm	14.00		

S. No.	Technical Description	Unit	Total Qty.	Rate	Amount
34	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete : Made of Pine wood (finished with Spirit polish, shade as mentioned in drawing) : 15 thk mm (max size)	RMT			
	max width 100 mm		113.00		
35	<ul style="list-style-type: none"> ◆Providing and fixing decorative rafters, projections (as per design , variable in size and shape, primarily rafters and fins) as per design & drawing in different locations as per design and drawing. ◆Variable size, but maximum limited upto 200 mm deep, 75 mm wide and length as per site condition and design requirement. ◆The decorative projections are to be made of 12 thk MDF with necessary internal supports and joined with glues. ◆The decorative projections are to be finished with 1 thk laminate (shade as per approved / mentioned in design) from all sides and to be fixed at any locations with all necessary hardware supports, all complete in all respect. ◆Rafters may be fixed at ceiling or at wall panelling or at any locations at all height upto 3.5 mts from surrounding FFL., All inclusive, complete work	RMT	21.00		
36	<ul style="list-style-type: none"> ◆Providing and fixing of cloth mounted & foam stuffed panels (made of 8 thk MDF board, covered with thick - silk cloth. The panels are to be stuffed with 25 mm thk. foam, placed inbetween cloth and MDF. The front and sides are to be free from wrinkles; and the cloth & foam to be fixed with glue and wood stapler guns). The cloth mounted foam stuffed wall panels can be of any shape and to be fixed on wall panelling or partition surface; with all necessary hardware items, all complete as per design and instruction of architect. ◆The entire surface to be wrinkle / bubble free and the cloth to be fixed in very tight and neat manner. ◆Shade & quality of finishing cloth, will be followed as per drawing, list of approved makes & on site approval. ◆Rates are inclusive of all related items & works. Only the front surface (front elevation) will be measured for measurement. 	SQM	28.00		

S. No.	Technical Description	Unit	Total Qty.	Rate	Amount
37	<p>◆Providing, supplying & making of Center table average size of table : [(L)-1000X 500(W)-X 450(H)].</p> <p>◆Structurally the table will be made of commercial plywood / block board. All the commercial ply wood / block board should be anti termite treated / termite proof.</p> <p>◆The vertical supports will be made of 19 thk ply wood, table tops shall be made of 25 thk block board, table apron (if any) to be made of 16thk ply wood, with necessary leaping where ever required. All the joints (of plywood / block board) to be fixed with adhesive and nail of appropriate size.</p> <p>◆The table top & edge thickness of table top, to be finished with 1 thk laminate (as mentioned in drawing) and 12 thk clear galss, beveled edge from all sides.</p> <p>◆All the internal surfaces of the table shall be finished with 0.75 thk white leminate. The table will be provided with verticle support, table-top, wooden foot support, front apron, side edging,pop up box, cable manager, etc as mentioned in drawing..</p> <p>◆All the visible cut edges (if any) of ply wood members of any parts of the table will be finished with 8thk MDF board lipping, & enamel paints. All Complete in all respect.</p> <p>◆All visible surfaces of the table unit where lacquered glass or corian are not getting applied, will be finished with 1 thk laminate, as mentioned in drawing.</p> <p>◆Shade & quality of finishing material, hardware items, placement, construction detail will be followed as per drawing, list of approved makes and asper on site approval.</p> <p>◆Payment will be made on each piece of table basis. All costs inclusive.</p>	nos	2.00		
38	<p>◆Providing, supplying & making of Center table average size of table : [avg size (L)- 1050X 600(W)X 450(H)].</p> <p>◆Structurally the table will be made of MR garde commercial plywood 19 thk. All the commercial ply wood should be anti termite treated.</p> <p>◆The vertical supports will be made of 19 thk MR grade ply wood, table tops shall be made of 25 thk MR grade ply-wood, table apron (if any) to be made of 16thk MR grade ply wood, with necessary wooden leaping (min 5 thk) where ever required. All the joints (of plywood) to be fixed with adhesive and secrows of appropriate size.</p> <p>◆All surfaces of the table to be finished with laminate (1 thk) as per the specified shade mentioned in the detailed drawing & 8 thk tamper glass with bebbled edges and rounded corner to be provided on table tops; all complete in all</p>	nos	1.00		
39	<p>Providing and fixing of skirting at floor level, on wall paneling and over partition walls; made of 15 thk commercial ply and finished with laminate, 1 thk. (shade as mentioned in drawing) and top part of the commercial ply edges to be finished with 15 thk teak wood beading, tapered edge and finished with spirit polish (gloss finish); shade as mentioned in drawing; all complete in all respect.</p>	RMT			
	Skirting -75 to 100 mm Height (as per site requirement)		102.00		

S. No.	Technical Description	Unit	Total Qty.	Rate	Amount
40	Providing and fixing of ready made factory made Trap doors (avg size : 750-L X 600-W) , made with metal frame, finished with powder coated paint matching with shade of false ceiling colour and to be fixed with Gypsum board ceiling in flushed manner, with locking arrangement and with all required hardware fittings, as per manufacturers specification for smooth functioning of the door. The door panels / shutters are to be made of WPC sheet and to be finished with acrylic paint, shade same as of false ceiling, all complete as per manufacturer's specification, all complete. barnd : IQUBX or similar as per tender & approval by SBI engineer.	each	4.00		
41	Supply & fixing of Aluminium Composite Panel (ACP), 4 mm thick in required colours for exteriors consisting of two layers of aluminium skins of 0.5 mm thick sandwiching a thermo plastic core in continuous lamination process with PVDF coating for exterior grades ensuring long colour and no fungal attacks of make Alukobond/ Eurobond or approved equivalent. Base frame work with aluminium sections shall be fixed over finished plaster and the above aluminium panels shall be fixed to the frame work as cladding including cost of labour, materials, accessories, adhesives, scaffolding, wastages, transportation, taxes, fixing in to a neat finish with FOLDING SYSTEM and without any undulations in facias all complete as per drawing and instruction of Engineer-in-charge.	SQM	127.00		

Total for Interior Works

Electrical Works

A	POINT WIRING				
1	Wiring for light point/ fan point/ wall fan point/ exhaust fan/ light sockets etc. with 1.5 sq.mm. PVC insulated 1100 V Grade copper conductor (FRLS) wires & 1.5 sq.mm. copper earth wire in concealed/ surface using 16 SWG MS conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, ceiling rose etc (wherever required) and chromium plates brass screws/ rowel plug etc. The price includes here GI modular box, Modular plate & modular switches of suitable modle size as per approved drawings & specifications. The circuit wiring starting from DB to point control box/ switch box using 2 X 2.5 sq.mm PVC insulated 1100 V grade multi- stranded copper conductor wire & 2.5 sq.mm. PVC insulated earth wire (color code to be used). (Flexible conduit/ elbow not allowed). The conduit to be laid in ceiling with proper clamps/ wall/ floor and filling the chase with cement mortar and finishing the same in original form/ wooden partition/ above false ceiling with proper clamps etc. all complete.				
	(Wherever required as per standard specifications).				
	i) Each circuit shall have independent earth wire.				
	ii) Each point shall be earthed.				
	iii) Circuit wiring is to be included in point wiring rates.				
i	One light points controlled by one 6 amp. Modular switch.	Nos.	14		
ii	Two light points controlled by one 6 amp. Modular switch.	Nos.	16		
iii	Three light points controlled by one 6 amp. Modular switch.	Nos.	18		
iv	Four light points controlled by one 6 amp. Modular switch For cove light.	Nos.	7		
viii	One call bell point with ceiling rose/ 6 amp. 3 pin socket with modular box & plate etc and controlled by one 6 amp Push Modular switch. The price excludes herewith call bell of approved make & specification.	Nos.	1		

S. No.	Technical Description	Unit	Total Qty.	Rate	Amount
ix	One wall fan / exhaust fan point with 6 amp 3-pin socket includes modular metal box & plates etc and controlled by one 6 amp. Modular switch. The switch should be at switchboard level.	Nos.	12		
x	A group of light/fan points controlled by one PIR cum occupancy sensor and one 20AMP modular switch (BM room / Locker room)	Nos.	2		
2	6 AMP plug points				
	<i>Main specification as above for wiring / conduits, but using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB to first 6A, 5 Pin modular socket controlled by one 6A switch and looped to the nearest second point with same 2*2.5 + 1*2.5 Sqmm copper conductor wires FRLS insulated 1100V grade (max 3 points per circuit).</i>				
a	Primary Point	Nos.	7		
b	Secondary Point looped	Nos.	13		
3	POWER POINTS				
	<i>Main specification as above for wiring / conduits, but wiring for 16 Amp, 6-pin sockets by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire with independent 1* 4.0 sq.mm earth wire from D.B. to first point 1st socket and 1st to 2nd socket with 2*2.5 sq.mm. and 1*2.5 earth wire including providing and fixing of 16 Amp, 6 –pin socket with 16 Amp. Switch. (Modular type switch/ socket/ plate etc. complete assembly) max 3 points per circuit.</i>				
a	Primary Point	Nos.	12		
b	Secondary Point	Nos.	20		
4	AC POINTS				
a	Main specifications as above for wiring/conduits but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer/AC control switch to the point near the indoor unit and then to outdoor unit.	Nos.	5		
b	Main specification as above for wiring/conduit but wiring for A/C socket by using 4*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire of weather proof type to be laid up to Outdoor Unit with 4 way SPN DB complete in all respects controlled by with 32 Amp (10 kA) TPN MCB to be provided near outdoor unit. The point starts from DB to the point near the outdoor unit and then to indoor unit.	Nos.	3		
5	COMPUTER / UPS POINTS				
a	Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular switch & one LED indicator with all accessories, inner/ outer plates, metal box etc. and to be fixed on wooden partitions/ by grouting on wall etc. as per requirement at site. The switch with indicator should be fixed above the top of counter with indicator and sockets under the counter with indicator, looped from the above 1st point to 2nd point and 2nd point to 3rd point (maximum 3 points in circuit).				
i	Primary Points	Nos.	5		
ii	Secondary Points	Nos.	10		

S. No.	Technical Description	Unit	Total Qty.	Rate	Amount
c	UPS points as above (a) but each point to have 1 nos. 16 amps. 5 pin modular type sockets, 1 no's 16 amps modular switch with all accessories. The switch should be fixed above the top of counter and sockets under the counter or as directed by the engineer incharge for the rack supply in server room, PA rack, CCTV. looped from the above 1st point to 2ndpoint (maximum 2 points in a circuit).				
i	Primary Points	Nos.	1		
ii	Secondary Points	Nos.	2		
7	TELEPHONE SYSTEM				
a	Wiring for VOICE from Jack Panel in data rack to computer workstation with Cat-6 voice cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type. This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	14		
b	Supplying, laying, fixing & terminations, testing and commissioning of 0.51 mm dia Cu. Conductor, twisted, colour coded with polythene capor barrier, telephone cables in the existing tray or in conduit including providing & fixing conduit pipe or cable tray as required from building tag block to the floor as required.				
i	Supplying & fixing of CAT6 25 port voice panel krone type.	Nos.	1		
ii	Provide & Laying of 25 pair of PVC insulated sheathed multi core jelly filled armored telephone cable.	Mtrs.	20		
8	COMPUTER NETWORKING				
	Wiring for computer networking from I/O hub to computer worksatation with Cat-6 computer cable including providing ferrules at both ends and termination at both ends including providing & fixing frame for CAT-6 with shutter. High speed outlet, faceplate & mounting box complete of modular type. this also includes supply and laying of PVC conduit throughout the route of CAT-6 cable from the I/O hub to the point.	Nos.	30		
i	Supplying and fixing of 12 U Rack with glass door, opening in the front power panel 1 (horizontal), cable manager 1 lock & key.	Nos.	1		
ii	Supply, installation, testing & commissioning of 24 port jack panel.	Nos.	2		
iii	Supplying and fixing of patch cord - 2 meter (DBPS mounting cord - 7 feet)	Nos.	20		
iv	Supplying and fixing of patch cord - 1 meter (DBPS mounting cord - 3 feet)	Nos.	15		
v	Supplying and fixing of 1.6 mm thick GI box along with RG 6 Coaxial cable in 2 mm thick PVC conduit with TV socket with cover plate.	Nos.	1		
9	CABLES, MAINS & SUBMAINS				
	Supplying all materials and laying/ pulling 1100 volts grade PVC insulated copper conductor wires (FRLS) in MS conduit with all fixing accessories after cutting the floor, wall and the like etc. and replastering the floor level to original. Conduit must be 30 mm below the floor finish level (Circuit from UPS output DB to UPS distribution DBs)				
i	2C X 6 sq.mm. + 1 X 6 sq.mm Cu FRLS cable	RM	15		
iii	1X8 SWG copper Earth wire in PVC conduit for loop earthing	RM	50		
iv	Supplying, laying, testing & commissioning of 4C X 10 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 SWG GI earth wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification.	RM	75		

S. No.	Technical Description	Unit	Total Qty.	Rate	Amount
v	Supplying, laying, testing & commissioning of 4C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 SWG GI earth wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification	RM	75		
vi	Supplying, laying, testing & commissioning of 3.5C x 25 sq.mm. at 1100 volts PVC insulated aluminum conductor armoured cable with 10 SWG GI earth wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (Mains from DG -2 to MLT-2 panel). The actual cable length may vary and its depends upon the actual DG location & service line connection location.	RM	35		
9.A	Cable Tray and Raceways				
	Supplying and fixing of following size of Perforated hot dipped GI cable tray with perforation not more than 17.5% in convenient section, joined with connector, suspended from the ceiling with M.S. suspenders including bolts, nuts & washer, painting suspenders etc as required. Rates shall be included tee, elbows & reducers etc				
i	300x50 mm, 2mm thick Cable tray (For Submain Incoming)	RM	20		
ii	150x50 mm, 2mm thick Cable tray (For Submain Incoming)	RM	40		
iii	Fabricating, supplying to site & installation in the floor including chase cutting of floor, leveling, refilling and making good the same 1.6 mm thick G.I raceways of height 40 mm and 2.0 mm thick openable cover, totally enclosed, The two lengths of channels and junction box shall be nut bolted together to make it dust and water proof. complete with all fixing accessories as required.				
	150 mm (wide) x 40 mm (height)	RM	30		
10	DISTRIBUTION BOARD & ISOLATORS				
	Supplying, installing, testing & commissioning of surface/recessed mountings, Double door type 415 volts TPN MCB distribution board of steel steel, 1.6mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper busbars, earthbar, common neutral link, din bar for mounting of MCB's detachable gland / knock out plate & with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and upto the terminal connectors/ neutral link and ready for installation of following ways as required.				
	Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc. & 'D' curve for UPS DB's i.e. for computers/PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e type B,C, & D. Contractor to select the MCB's accordingly as per the nature of the circuit / load.				
	Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 160 A.				
	UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link.				
	All internal inter connecting wiring within the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating.				
	Inside each DB, a DB chart is to be fixed.				
	All wires/cables to be connected through gland only.				
iii	DISTRIBUTION BOARD FOR RAW POWER				

S. No.	Technical Description	Unit	Total Qty.	Rate	Amount
a	6 WAY TPN DB FOR POWER DB	Nos.	2		
	Incomer				
	1 nos 40A TPN (10kA) MCB with 40A 4P RCCB (30mA)				
	Outgoing				
	18 Nos 16/25 Amp (10 KA) SP MCB				
iv	DISTRIBUTION BOAD FOR LIGHT				
a	4 way TPN DB for LIGHT DB	Nos.	2		
	Incomer				
	1 Nos 32A 4P RCBO (10kA /30mA)				
	Out going				
	12 Nos 10 AMP (10 KA) SP MCB				
v	DISTRIBUTION BOAD FOR LIGHT & POWER				
a	8 way SPN DB LIGHT & POWER DB	Nos.	1		
	Incomer				
	1 nos 40A DP RCBO				
	Out going				
	6 nos 10/16 AMP (10 KA) SP MCB				
vi	DISTRIBUTION BOAD FOR AC				
a	6 way TPN DB for AC DB	Nos.	1		
	Incomer				
	1 nos 63A TPN (16kA) MCB with 63A 4P RCCB (100mA)				
	Out going				
	12 Nos 16/20/25 AMP (10 KA) SP MCB				
vii	DISTRIBUTION BOAD FOR UPS				
a	4 way TPN DB for UPS INPUT	Nos.	1		
	Incomer				
	1 nos 63A TPN MCB				
	Outgoing				
	2 Nos 40A DP RCBO				
	2 Nos 25A SP MCB				
	1 Nos 16A SP MCB				
b	8 way SPN DB UPS DB	Nos.	2		
	Incomer				
	1 nos 40A DP RCBO				
	Out going				
	6 nos 10 AMP (10 KA) SP MCB				
11	Light fittings & accessories (Only commercial type fixtures only)				
	Supplying, installation with hanging support, testing and commissioning of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete as per the directions of Engineer-in-charge (All LED Light Fixtures should be covered with minimum 3 Years onsite replacement warranty).				
i	2 X 2 LED 36 Watt	Nos	26		
ii	18 W LED Commercial type down lighter	Nos	98		

S. No.	Technical Description	Unit	Total Qty.	Rate	Amount
iii	Supplying, fixing, testing and commissioning of LED batten light of 9W 600mm fixture length, surface mounted make As specified in tender document or approved by bank.	Nos	6		
iv	LED recessed / surface mounted / hanged from RCC ceiling 20 watts profile lights of 4 feet individual length joined together complete and necessary installation fittings LED colour & make as specified in tender document or approved by bank.	Nos	8		
v	Cove light				
a	1 FT	Nos	4		
b	2 FT	Nos	4		
d	4 FT	Nos	62		
vi	Wall mounted fans 400 mm dia make as specified in tender document or approved by bank (metal body).	Nos	12		
vii	Supply & fixing of 230 mm exhaust fan 'Ventilator DX W' with self closing louvers and plastic body with all accessories etc. complete of make as specified in tender document or approved by bank.	Nos	4		
12	EARTHING SYSTEM				
	Supply, installation, testing and commissioning of water less maintenance free earthing system based on pre casted conductive earthing electrode . Dimensions Length X Dia (MM) : 2000 X 100 with 15 MM Solid conductor (CU) Conduction: Non ionic movement of IONS multi point dissipation Contacts exceed grade 25 Concrete Environment: PH neutral Internal Material 'Relative Density : 890-990 KG / M3 3000 times more effective then Bentonite Electrolytic corrosion Resistance : 86 % reduction in corrosion short Circuit Current (tested) : Peak 40 KA RMS : 22 kilo AMPS for 1 sec. Mechanical strength: Grade 25 Concrete High Fault Current Test withstand: 1686 V for 500 ms Standards : IEEE 80: 2000 & BS 7430 Warranty : 10 years full replacement Life of earthing : 25 years respectively Make: KRATONITE / MARCONITE / KARANITE (Include chamber for earthing, earthing certification to be submitted along with bill)	Nos	4		
i	Providing and fixing of copper strips in surface of in recess for loop earthing rtc. As required.				
a	25 mm X 3 mm copper strip in B class GI pipe	RM	60		
ii	Providing and fixing 2 X 8 SWG dia. CU earth wire in PVC conduit on surface or in recess for loop earthing along with the existing surface / recess cables as required.	RM	80		
13	LT PANEL				

S. No.	Technical Description	Unit	Total Qty.	Rate	Amount
	Designing, fabrication, supply, installation, testing and commissionings of front operated cubicle type compartmentalised, front access, free standing on 75MM "I" MS channel, dust and vermin proof (IP 42 degree protection) panel suitable for use at 415V, 3 phase, 4-wire 50Hz system suitable for fault level of required value symmetrical at 415V fabricated from 2mm thick CRCA MS sheets with hinged, gasketted (Metal based neoprene) locable doors having structural reinforcement including 3mm thick gland plates on top and bottom, lifting hooks, GI earth strip of required size with 2 nos earth terminals, 2 nos 230V AC operated 250mm X 250mm size axial fans for exhaust of heat with On-Off toggle switches including 2 coated primer and 2 power coated paint finish of approved shade over metal surface cleaned and treated with seven tank process complete with interconnections etc as per specifications as required. main panel board of approved make (NEPTUNE / TRICOLITE / SUPER TECH POWER CONTROL / AMPTECH approval as instructed by the SBI / Architect) as per the following specifications,				
	All live accessible parts shall be shrouded and all equipment shall be finger touch proof. The busbars insulation shall be with heat shrinkable sleeves SMC/ DMC shrouds and busbar supports shall be used. Padlocking facility shall be provided on all outgoing feeders doors and switch handles shall be locable in OFF position.				
	Suitable arrangement shall be made for termination of multiple incoming cables.				
	All kA values indicated shall be ICS breaking capacity				
	GA drawings shall be got approved by SBI				
A	INCOMING:				
	Incomer from main panel of electricity board				
	1 nos, 160 AMP 4 P MCCB (25 KA) with extendable handle				
	1 nos, 160 AMP 4P Automatic Turn over Switch with DG AMF facility.				
	BUS BAR:				
	200 AMP TPN Copper busbar of suitable length with PVC shrinkable sleeve. All busbars and interconnections shall be of suitable size copper strips.				
	INDICATING PANEL:				
	2 nos Digital flush type class - 1.0 accuracy multifunction meter showing V, A, PF, KWH, F, KVA etc. with 2 nos. current transformers of 250/5A ratio, 15 VA class-1.0 and 1 nos Current transformer of 160A/5A ratio class-1.				
	2 set of R-Y-B three phase LED indicating lamps along with 6A SP MCB backup protection.				
B	OUTGOINGS :				
	3 NOS 63A TPN MCB (16 kA) (Individual compartment) terminals suitable to receive cable on one side wire connections to Bus bars.				
	3 NOS 40A TPN MCB (10 KA) (individual compartment) terminals suitable to receive cable on one side and wire connection to bus bars.				
	2 NOS 32A TPN MCB (10 KA) (Individual compartment) terminals suitable to receive cable on one side and wire connection to bus bars.				
	1 NOS 32A DP MCB (10 KA) terminals suitable to receive cable on one side and wire connection to bus bars.				
B	The Electric Panel as described above and specifications complete.	SET	1		

S. No.	Technical Description	Unit	Total Qty.	Rate	Amount
C	Supplying, Installation, testing & commissioning of 20 KVAR, 5 step APFC relay panel auto - operation and power factor should be nearing unity complete as required including all contactors, relays, indicating units. As required at site". Capacitor make : ABB / Siemens / Neptune	SET	1		
	5 NOS of capacitor duty contactors				
	1 NOS 10 KVAR MPP type heavy duty capacitor banks along with 2 nos 32 A TP MCB of 10 KA service breaking capacity with heavy duty solid detachable neutral link.				
	1 NOS 5 KVAR MPP type heavy duty capacitor banks along with 1 nos 25 A TP MCB of 10 KA service breaking capacity with heavy duty solid detachable neutral link.				
	2 NOS 2 KVAR MPP type heavy duty capacitor banks along with 2 nos 16 A TP MCB of 10 KA service breaking capacity with heavy duty solid detachable neutral link.				
	1 NOS 1 KVAR MPP type heavy duty capacitor banks along with 1 nos 10 A TP MCB of 10 KA service breaking capacity with heavy duty solid detachable neutral link.				
	TOTAL FOR ELECTRICAL WORKS				

HVAC Works

SPLIT TYPE AIR CONDITIONERS					
1	Supplying, erection, testing and commissioning following wall mounted Split/ Root mounted cassette units of (Toshiba/ Mitsubishi/ Hitachi/ Daikin/O-General/ Carrier-Midea/ Carrier) with cordless remote complete with all necessary fittings duly insulated with 9 mm thick nitrile rubber pipe insulation with (evaporator coil – copper only) , fan and fan motor, machine control panel improved Refrigerant Joints, .Air conditioners shall be fitted with hermetically sealed type suction cooled reciprocating or discharge cooled rotary compressor or scroll compressor. Compressor unit operating on R32/ R-410. All complete as per drawing, approval and instructions of the Architect/ Employer (Rates to be inclusive of Copper refrigerant pipe with insulation, interconnecting cable and Drain pipe up to 3 Mtr length). Item to include powder coated outdoor stands as per the manufacturer specifications.				
a	1.0 TR wall mounted split unit (Minimum 5-Star rating inverter type) including all necessary fittings and mountings as specified by the manufacturer.	Nos.	3.00		
b	1.5 TR wall mounted split unit (Minimum 5-Star rating inverter type) including all necessary fittings and mountings as specified by the manufacturer.	Nos.	3.00		
c	3.0 T Cassette AC Ceiling suspended Cassette type split unit with 4 way/ round air flow including all necessary fittings and mountings as specified by the manufacturer (Three phase).	Nos.	4.00		
2	EXTRA REFRIGERANT PIPING				

S. No.	Technical Description	Unit	Total Qty.	Rate	Amount
	Supplying and laying of Extra copper refrigerant piping with nitrile rubber pipe insulation, both of size as specified by the manufacturer suitable for 1.0 TR/ 2.0 TR Split type AC and 2.0 TR/ 4.0 TR Cassette AC (From Indoor to outdoor Units).				
a	For 1.0 T as specified by the manufacturer	Mtr.	10.00		
c	For 3T and 4T Cassette as specified by the manufacturer	Mtr.	77.00		
3	DRAIN PIPING				
	Providing and fixing drain piping up to drain as directed by the engineer incharge with all accessories e.g. elbows, unions, sockets, reducers, reducing tees, nipples etc. Complete job including cutting chiseling in walls, floor and making good of all chases/ cuts etc. and discharging the drain into a floor trap/ gully as per site conditions with insulation, both as specified by the manufacturer.				
a	25 mm dia PVC drain pipe for Split AC	Mtr.	29.00		
b	32 mm dia PVC drain pipe for Cassette AC	Mtr.	43.00		
4	Providing and fixing Stabilizer with 3 step relay and input voltage range of 140-280 V and output to be 230 V (Blue bird/ Logic state/ Inline/ V-gourd) (copper winding).				
a	4 KVA (For 1.0/ 1.5 TR Split AC)	Nos.	6.00		
5	Providing and fixing of lockable caging for outdoor unit grouted on wall or on roof with open able shutter made of 10 X 10 mm MS square bars placed vertically @ 5" c/c welded with 40 X 3 mm MS flat all-round. Item includes all necessary hardware, priming coat, synthetic enamel paint, hanger, clamps other accessories etc. All complete as per approval and instructions of the Architect/ employer.				
a	For 1.0/ 1.5/ 2.0 TR Hi Wall split units	Nos.	6.00		
b	For 2TR, 3TR & 4 TR ceiling mounted cassette unit	Nos.	4.00		
6	Supplying and laying of Extra Electrical interconnecting control cable from indoor to outdoor of size as specified by the manufacturer suitable for 1.0 TR/ 1.5 TR/ 2.0 TR single phase AC type.	Mtr.	32.00		
7	Supplying and laying of Extra Electrical interconnecting control cables from indoor to outdoor of size as specified by the manufacturer suitable for 3.0TR & 4TR Cassette type AC.	Mtr.	77.00		
8	Supplying, installation and commissioning of automatic 24 HRS. programmable TIMER of required capacity to run A.C. alternately (MDS/ L&T/ Other reputed make).	Nos.	2.00		
TOTAL for HVAC Works					