

Price Bid for Proposed Furnishing work at 7th And 8th Floor Suraj Plaza I , Vadodara

SUMMARY

S.NO	DESCRIPTION	AMOUNT in Rs
1	FURNISHING WORK	0
2	AIR-CONDITIONING WORK	0
4	ELECTRICAL	
5	TOTAL AMOUNT	
6	GST @ 18 % on S.No 5	
GRAND TOTAL		

Sr.No.	DESCRIPTION OF ITEM	QTY	UNIT	RATE IN FIGURES (Rs.)	RATE IN WORDS (Rs.)	AMOUNT (Rs.)
A	DISMANTLING WORK					
1	Demolishing of existing glazed/solid wooden partition of cabins & disposing of the debries/malba from the site as required etc. complete in all respect.	200.00	Sq Mts			
2	Demolishing of existing brick wall/ wall tiles /plumbing/ toilet floor incl sunken area & disposing of the debries/malba from the site as required etc. complete in all respect.	25.00	Sq Mts			
3	Demolishing of existing Gypsum/Armstrong False Ceiling & disposing of the debries/malba from the site as required etc. complete in all respect.	50.00	Sq Mts			
4	Dismantalling of existitng carpet flooring including dismantling of existing flooring/ IPS flooring minimum 125mm thick & disposing of the debries/malba from the site as required etc. complete in all respect.	700.00	Sq Mts			

5	Dismantalling of existitng wall/floor tiles including dismantling of existing plaster/flooring/plumbing /electrical pipes,wiring & disposing of the debries/malba from the site as required etc. complete in all respect.	20.00	Sq Mts			
6	Dismantling of Existing existing Urinal, UG Drainage line for urinal, removing water proffing / remove of filling in toilet from sunken area/removing all plumbing/drainage lines with pumbing an sanitary fitting,electrical fittings of toilet area /pantry and disposal of debris out side of premises. Incl all dismantalling in toilet area.	1.00	L.S			
7	Shifting and removing of existing furniture,tables, chairs, cabins tables, side cabiante, storage, sofa, chairs,including removal of electrical connections,fixtures etc Complete in all respects	1.00	Job			
B	FURNITURE WORK					
	PARTITION /PANELLING					
	Measurement of height shall be taken from finished floor level up to the level of ceiling, in case of varying heights on either side of partition, average height shall considered. The rate include Provision of extra frame work as necessary for skirting and making cut-outs for electrical switch plates, switch boxes, light fittings light etc. making provision for laying conduit as per drawings & directions. All plywood to be applied with 2 coats of fire retardant paint and 1 coat of wood preservative with anti termite compound. Make:Green / Century / Anchor / Archid / Kit					
1	FULL HEIGHT SOILD PARTITION					
	Providing and Fixing of full height wooden partition made of 2 MM thick Aluminium tube frame The sections are placed @ 600 x 600 MM C/C both ways and additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor & ceiling with suitable aluminium angles and fastened with steel screws.Frame size 50 x 50 MM with 9 MM thick BWR Ply with 1mm thk. High Gloss Laminate/ Laminate in approved colour,design, shape and size, including all exposed surface with teak lipping 6mm thk as required and instructed by Architect including Anti Termite Treatment.Complete in all respect and satisfacation of Architect/Engg.Make for ply :Green / Century / Anchor / Archid / Kit Make for laminate :Green / Century / Archid / sunmica	80.00	Sq Mts			

b	SUPPLY & INSTALLATION of 50mm thick resin bonded mineral (glasswool) insulation bonded In Solid partition. lab tested as per ASTM / ISO standards fixed alongwith Partition. Work shall be complete inclusive of all Required Material. (Approved Makes: Sun rock)	80.00	Sq Mts			
2	TOUGHENED GLASS FIX PARTITION - CABIN FRONT					
	Providing & fixing 12mm toughened fixed glass partition upto the false ceiling height. The glass fixed with S.S channel inserted in floor and fixed to wooden member in the false ceiling. The size of glass to be bigger in width. The edges of glass to be polished and if joints are needed the joints to be filed with matching silicon complete.	20.00	Sq Mts			
3	TOUGHENED GLASS FIX PARTITION - LOW HEIGHT					
	Providing & fixing 12mm toughened fixed glass partition upto the 1200MM height. The glass fixed with S.S channel inserted in floor and fixed to wooden member. The size of glass to be bigger in width. The edges of glass to be polished and if joints are needed the joints to be filed with matching silicon complete.	30.00	Sq Mts			
4	Cabin TABLE					
	Providing & Making Tables made out of 18mm th. Ply and 6 mm th. Corean finish on the top surface & other outer face with complete finish and Inside approved 1 mm thk. laminate with s.s. Hardware like Drawer Channel (Telescopic bottom mounted), s.s. auto hinges, s.s. Handles, Mulit Lock, Magnet & with all necessary Hardware (Hettitch/Ozone/Kaff) etc. complete as per design & directed. Size : 5' 0"x 3'-0" table & side unit size 3'-6" x 1'-6"	3.00	Nos.			
5	FRAMING WORK FOR PARTION ABOVE					
	Providing & fixing aluminum/ wooden support for all partitions between false ceiling to RCC ceiling etc. complete as per direction.	10.00	Sq Mts			
6	WOODEN PANELING					

a	Providing and Fixing of Panelling of wall on hall and column made of 2 MM thick Aluminium tube frame The sections are placed @ 600 x 600 MM C/C both ways and additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor & ceiling with suitable aluminium angles and fastened with steel screws. Frame size 25 x 50 MM with 12 MM thick BWR Ply with 1mm thk.High gloss Laminate/ Laminate in approved colour,design, shape and size, including Anti Termite Treatment.Complete in all respect and satisfaction of Architect/Engg.	140.00	Sq Mts			
b	EXTRA 6MM LACQUERED GLASS					
	Providing & fixing 6mm thick colour lacquered glass to be fixed on existing ply/wall panelling, lacquered glass is pasted or fixed with SS studs/adessive with grooves and edge polish as per details complete. Extra over above item no 6	10.00	Sq Mts			
c	EXTRA 6MM ACRYLIC SOILD SURFACE					
	Providing & fixing 6mm thick Acrylic Soild Surface thermoformed to be fixed on existing ply,table top Acrylic Soild Surface is pasted or fixed with SS studs with grooves and edge polish as per details complete. Acrylic Soild Surface thermoformed surfaces to be buffered.Extra over above item no 6 Make LG/Granium/laxur/Neollex	20.00	Sq Mts			
d	Providing & fixing 12mm thick CNC cut MDF with duco finish as per approved design by Architect to be fixed on existing ply/wall panelling, lacquered glass is pasted or fixed with SS studs/adessive with grooves and edge polish as per details complete. Extra over above item no 6	5.00	Sq Mts			
7	DECORATIVE FILM ON GLASS					
i	FILM :- Providing and fixing of 3M film Digital colour Printed as per design on toughfened glass in cabines door etc. complete as per direction.	25.00	Sq Mts			

ii	<p>Providing & Fixing up of Sun Control windowfilm of Garware/ 3m in required sizes having the followingspecification: Reflective Silverlf used 1/8 inch clear glass followingparameter should be fulfilledThickness- 02 mil(50 microns)Visible light transmittance- 16% Visible light reflectance- 65%Solar Energy Transmittance 15%;Solar Energy reflectance- 58%;Solar Energy Absorbance-27%;Ultraviolet transmittance < 2%;Glare reduction - 82%;Shading coefficient 0.25E missivity-0.66; U Factor(BTU/hr./Sq.ft.)-1.03Total Solar Energy rejection-78%Complete job to be carried out as per thespecification and direction of Engineer-incharge.</p>	80.00	Sq Mts			
8	DOORS					
a	<p>Providing and fixing frame less patch fitting Single/Double door for with 12mm thick toughened & etched Glass (As per approved design & name/logo) with frame less glass fittings & two way floor springs . The item includes providing and fixing S.S. handle 400mm long on both side of glass, locks and fittings as per the manufacturer's specifications. complete to the satisfaction of Architect/Bank's Engg</p>	20.00	Sq Mts			
b	<p>Providing and fixing 35 mm Flush doors with 1.0 mm thk. laminate on both sides as per design. Edges of door to have 6mm thick Teakwood lipping. The item includes Providing and fixing chaukhats made from 75mm x 40mm TEAK wood members. Item includes all following items / finishes: hardware such as 4 nos. 125mm SS hinges, SS tower bolts,Door Closer,Mortise Locks with SS handles. Item includes polishing all wooden surfaces with Deco paint Rubbing poilishing etc including preparing base. Size of Door: 1000 x2400mm including Chaukhats.</p>	40.00	Sq Mts			
9	<p>False Ceiling:-Suspending system and frame work shall match to complimentthe layout of A.C. Ducts / grills, electrical / fire protection wiring / fixtures, Return /supply Air grills etc. Rate to include provision of extra frame work needed due to layout referred above and fixtures etc. Rates to include necessary scaffolding.</p>					
a	GYPSUM BOARD FALSE CEILING					

	<p>Providing & fixing Gypsum Board False ceiling with Saint Gobain "ULTRA" Main ceiling sections at 1200 c/c & Cross members at 450 c/c. The grid work to be suspended from ceiling with Hangers at every 1200 c/c both directions, as per manufacturer's specifications. False ceiling is finished with 12.5 mm thk. to be screwed to the frame. The board is finished with filling the tapered edges of the board with jointing compound and finishing with PAPER tape of INDIA GYPSUM. The ceiling is finished with acrylic Emulsion Paint including base as per approved manufacturer. The item includes all necessary cut outs for electrical / air conditioning grills and necessary frame work for them.</p>	300.00	Sq Mts			
b	ARMSTRONG FIBRE SUSPENDEED CEILING (GRID)					
	<p>ARMSTRONG CEILING :- Providing & Fixing of Armstrong Mineral Fibre Suspended Ceiling System with Dune RH 99 (Bevelled Tegular) Edge Tiles with Armstrong 15mm exposed GRID. Size-600x600x16mm. The tiles should have Humidity Resistance (RH) of 99%, NRC 0.5, Light Reflectance 83%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Colour White, Fire Performance UK Class 0/Class 1 (BS 476 Part 6 & 7), in module size of 600x600 x 16mm with Anti Microbial coating on the face of the tile, suitable for Green Building application, with Recycled content of 39%. The tile shall be laid on Armstrong Suprafine XL 38 with 15MM wide T - section flanges colour white having rotary stitching on all T sections i.e. the Main Runner & 1200 mm Cross Tees with a web height of 38mm and a load carrying capacity of 14Kgs/M2 & minimum pull out strength of 100Kgs. . The T Sections have a Galvanizing of 90 grams per M2 and need to be installed with Suspension system of Armstrong make.</p> <p>INSTALLATION: To comprise main runner spaced at 1200mm centres securely fixed to the structural soffit using Armstrong suspension system (specifications below) at 1200mm maximum centre. The First/Last Armstrong suspension system at the end of each main runner should not be greater than 450mm from the adjacent wall.</p>	500.00	Sq Mts			

	<p>Flush fitting 1200mm long cross tees to be interlocked between main runners at 600mm centre to form 1200 x 600 mm module. Cut cross tees longer than 600mm require independent support. 600x600mm module to be formed by fitting 600mm long flush fitting cross tees centrally between the 1200mm cross tees. Perimeter trim to be Armstrong wall angles of size 3000x19x19mm, secured to walls at 450 mm maximum centres. Installation to be carried out by Armstrong Trained Installation team & Installation should be carried out as per Armstrong recommended procedure.</p> <p>ARMSTRONG SUSPENSION SYSTEM</p> <p>accessories manufactured and supplied by Armstrong World Industries consisting of M6 Anchor Fasteners with Vertical Hangers made of Galvanised steel of size 26 x 26 x 25 x 1.2mm with a Galvanised Thickness of 80gsm, A pre tightened Hanger wire of dia – 2.5 mm of 1.8 m length., thickness of 80gsm and a tensile strength of 344-413 MPa, along with Adjustable hook clips of 0.8mm thick, galvanised spring steel for 2.68 mm with a minimum pull strength of 110 kg. The adjustable clip also consists of a 3.5 mm aquiline wire to be used with the main runner. (ARMSTRONG "DUNE RH 99 (Bevelled Tegular) EDGE TILES WITH ARMSTRONG 15mm Exposed" SYSTEM)</p>					
c	TRAP DOOR					
	<p>Providing & fixing trap doors or AC units made of 8mm BWR ply fixed to 25x50mm aluminium frame all around. The door such made to be hinged to additional aluminium frame of 25x50mm section fixed in false ceiling frame. The 12mm ply to be finished with 1.0mm laminate of approved colour. Item includes all hardware such as hinges, bolts etc. complete.</p>					
(i)	size 600 mm x 600 mm	5.00	Sq Mts			
(ii)	size 1200 mm x 1200 mm	5.00	Sq Mts			
10	<p>ROLLER BLIND :-Providing & fixing roller blinds comprising of polymer coated fibre fabric with minimum openness factor of 3% as per AS standards. The fabric shall be fire retardant and have high heat reflection ratios. The roller mechanism shall be a moulded unit made from engineering grade plastic polymer with steel spring support. The fabric shall be finished on the sides with edge tape duly welded for waviness control. The fabric shall be attached to the roller tube with high quality self adhesive tape. Average width of blinds shall be 2000mm and fall of 3000mm with manual operation.</p>					

	Headrail: shall be 0.812" high x 2" deep extruded aluminum headrail with a wall thickness of 0.045" and painted to coordinate with fabric color.					
	Cord lock: shall be a snap-in design of injection-molded thermoplastic incorporating a metal, free-floating, serrated cord-locking roller.					
	Lift cord: shall be 1.2mm polyester and concealed for a clean appearance. A snap tassel and joiner ball connect to a single Danskord for raising and lowering the shade. Cord, tassel and joiner ball are color coordinated with fabric.					
	Installation: Bracket shall be low profile, hidden snap-in design made of 0.025" zinc-plated spring steel.	150	Sq Mts			
	Bottomrail: shall be 0.375" high x 2" deep extruded aluminum with a wall thickness of 0.045" and painted to coordinate with fabric color.					
	Fabrication Shades shall be fabricated according to specifications and accurate to tolerance established by SWF engineering standards					
	Make: Hunter douglas/ Roselle/winfab/vista .					
11	Providing & fixing and pasting Wall paper as per design & details. The item includes making POP base to get a uniform smooth surface. The fixed area of wall paper shall be considered for payment and not the area of procured material.	50.00	Sq Mts			
12	DISCUSSION ROOM TABLE					
	Providing and fixing 1.00 m DIA. Toughned glass top discussion table as per requirement. The glass edge is bevelled edge polish etc. complete with s s support/stand.	2.00	Nos			
13	Providing & fixing Reception Table with side Unit	1.00	Nos			
C	CIVIL WORK					

1	Brick work with 2nd class good quality brick in 1:4 cement mortar (1 cement:4 c.sand) including racking out of joints, scaffolding, making provision for opening in walls for switches, water lines, watering, curing etc. complete as directed by the Architect/Engineer incharge. Item to also include, all accessories, men material for a lift up to all floor in the building for materials, pre-application preparation cleaning after the finish etc. complete.	10.00	Sq Mts			
2	Providing 15mm thick Cement Plaster in single coat on brick/concrete wall fointerior plastering at various floor level as below, finished even and smooth including application of rough backing coat of cement mortar 1:4 with trowel finish as direction. complete as directed by the Architect/Engineer incharge. Item to also include, all accessories, men material for a lift up to any floor in the building for materials, pre- application preparation cleaning after the finish etc. complete.	100.00	Sq Mts			
3	Providing M-10 (1: 3 : 6) Grade Lean Concrete complete all respect under the floor tiles. complete as directed by the Architect/Engineer incharge. Item to also include, all accessories, men material for a lift up to 5th floor in the building for materials, pre-application preparation cleaning after the finish etc. complete.	50.00	Cu.Mts			
4	Providing & laying 125/150mm thick IPS floor with required slope finished with cement mortar 1:4 (1 cement :4 sand) with neat cement slurry, curing etc. including making junction vata etc. complete as per direction.	5.00	Cu.Mts			

5	<p>Flooring :-Providing and laying 12mm thick Vitrified tiles (glossy/Matte) of (600x600) Johnson /Somany/kajaria/AGL make or approved equivalent and of approved shade of size as per drawing in floors over 20mm (average) base of cement mortar 1:4 (1 cement :4 coarse sand) required thickness to match finished floor level mentioned with cement pest /chemical and to match the neighboring floor finish and jointed with epoxy grout of approved shade from as/existing or equivalent brand all complete as directed complete. Rate to include forming pattern in the flooring like border, skirting, cut tiles, Protecting of the tile till hand over date by POP., etc complete in all respect. complete as directed by the Architect/Engineer incharge. Item to also include, all accessories, men material for a lead/ lift up to 5th floor in the building for materials, pre-application preparation cleaning after the finish etc. complete. (Basic Rate of tile-Rs 750 Sqmt)</p>	700.00	Sq Mts			
6	<p>Wall tiles:Providing & fixing new wall tiles size 600 mm X 300 mm Johnson /Somany/kajaria/AGL make or approved equivalent and of approved shade of size as per drawing in Gents toilet & Ladies toilet including fitting with cement and chemical and back side plaster. (Basic Rate of Tile - Rs 750 Sqmt)</p>	225	Sq Mts			
7	<p>Fixing Granite in wash basin /Pantry counter in cement mortar (1:4) floated with neat cement slurry / paste (cement @ 4.5 kg/sqm) including cutting to the Including including supply and installation of wash basin 21"x 17" cutting to the required sizes, surface preparation, providing & laying , filling & finishing the joints with neat cement slurry & approved colour pigments, watering curing, cleaning etc complete at all levels as per the instructions. all accessories, men material for a lift up to 5th floor in the building for materials, pre-application preparation cleaning after the finish etc. complete. complete in all respect including diamond polish as instructed by Architect/Engg. (telephone black granite)</p>	6.00	Nos.			
8	<p>Water Proofing of Ladies, Gents Toilet, Passage & Cooler Area with 5 years warranty.Incl repairing of existing floor, preparing base,appling cement pest with waterproof camical,filling sunken area with filling material or sinder, top most layer shall be finished with IPS .</p>	130.00	Sq Mts			

9	Providing and fixing PANTRY/TOILET Mirror on wall with 6mm thick clear glass mirror with bevelled edge fixed over 12mm water proof ply finished in teak wood moulding 2"x1". The moulding to be finished in melamine polish /by S.S. stud (complete as per the direction of Engineer-in-charge)	8.00	Sq Mts			
10	Aluminum Glass sliding window	100.00	Sq Mts			
	Aluminum color anodized glass windows with all side granite sill-lintel with edge polishing etc. complete. Anodizing colour & thickness as per architect's selection. (DOMAL 1.5MM)					
	1.5mm thick Aluminum sliding glass windows with all side black granite. (1½" thick edge polished inside to prevent water leakage, single ¾" thick edge polished patta outside) complete with 2 or 3 track sliding windows as per site condition.					
11	Providing & Applying PVC Drain pipe in toilet with all jointing accessories i.e. tee, bend, coupling, union jointing solution etc. Make Astral/Supreme/kisan					
a	110 MM	100.00	Rmt			
b	75 MM	30.00	Rmt			
c	50 MM	25.00	Rmt			
12	Providing & applying CPVC Water Pipe line Astral, Ashirvad make with all jointing accessories i.e. tee, bend, coupling, union jointing solution, teflon tape etc. Make Astral/Supreme/kisan					
a	32 MM	100.00	Rmt			
b	25 MM	120.00	Rmt			
c	19 MM	100.00	Rmt			
13	Providing & Fixing wall hung EWC cera make ceret mode including all	8.00	Nos			

14	Providing & fixing Angel cock Jaguar quntinetal series including all	20.00	Nos			
15	Providing & fixing Black granite partition for urinal in Gents toilet area	10	Sq Mts			
16	Providing & fixing NT with s.s. greeting Astral/ Finolex/Supreme make	20.00	Nos			
17	Providing & fixing Hand Faucet Jaguar/Cera/Hindware make	8.00	Nos			
18	Providing & fixing Urinal of Hindware, cera make with necessary plumbing fittings	6.00	Nos			
19	Providing & fixing Pillar cock Jaguar/Cera/Hindware make	6.00	Nos			
20	Providing & fixing Bottel Trep Jaguar/Cera/Hindware make	12.00	Nos			
21	Providing & fixing Bib cock Jaguar/Cera/Hindware make	8.00	Nos			
22	Providing & fixing Sink cock Jaguar/Cera/Hindware make	1.00	Nos			
23	Providing & fixing Two way bib cock Jaguar/Cera/Hindware make	8.00	Nos			
24	Applying general insecticide pest control treatment with 5 years guarantee for carrying out floor treatment including spraying with chemical solution in oil base including labour and material etc. complete. Using Heptachloride/chloropheriphys/imidacloprid . As per IS 6113-pests / as per manufacture companies guideline. Chemical emulsion application of surface is recommended as per I. S. The plan area at building ground floor shall be measured. (Chlorpyriphos / Lindane) Rex, Avitus pvt. Ltd., Godrej,PCE, Bayer.	800.00	Sq Mts			
25	PAINT WORK					

a	PLASTIC ACRYLIC EMULSION PAINT					
	Providing and applying three coats of pre-approved Plastic acrylic emulsion paint to walls, partitions etc. including surface preparation with two coats of putty, primer and sanding all complete. With the necessary drying periods for each coat. The final finish should be of a uniform and neat finish to the satisfaction of the Architect. Cost to include for all heights and surfaces, complete in all respect (Low VOC contain paint) Make: ICI DULUX, Asian Paints.	300.00	Sq Mts			
b	PLASTER OF PARIS (POP)					
	Providing and applying plaster of paris (super fine quality) punning with minimum thickness of 6mm and finish the surface smooth in line and also making groove, level to the entire satisfaction of Architect including scraping and hacking the existing finished surfaces, scaffolding etc. complete in all respect	20.00	Sq Mts			
E	MODULAR FURNITURE					
i	WORKSTATION -LINEAR TYPE (1000 x575mm)	136.0	Nos			
	Manufacture, supply and Installation in position 'Linear' shape unit as directed Modular workstation comprising of partitions, work surface, gable end. Linear work station will be module of 3/4/6 sittings both side/one sides per layout plan. the end of the linear work station to have partition as specified above. also the leaner work station to have 25 mm sound proof/acoustic partion with aluminium supports with fabric /lamine divider in frame (up to partition top).					
	SIZE :- (1000 (L) x 575 (W) x 750mm /1350mm (H)					

Panel based Partitions :-Vertical partition members made of aluminium extrusion alloy of minimum 60x60 mm size having thickness of min 1.2mm for vertical members and that of 1.00mm thick for horizontal members duly finished with powder coating in desired shade/colour. Both the faces of vertical partition to be finished with laminate/fabric panels. Top caps of partition shall be slightly curved/flat shape of aluminium alloy duly finished with powder coating in desired shade/colour. Race way should have 150mm and the partition should have the raceways for carrying voice and data wire and power cable, which should be separate from each other in the panel. **(power switch should be above table necessary arrangement i.e box and raceway from bottom power socket to top switches to be provided)**. The panel above the work surface should be on tackable board with fabric panels. The height of partition shall be of min. 1200mm. All partition should have the provision of level adjuster to adjust the height of + 10mm. All metal components will be finished with powder coated in desired shade/colour. 150mm high metal skirting.

1200mm min. high partition thick panel based systems 1200mm(HT).Base shall be formed as approved powder coating on aluminium & fabric panel. Workstation along corridor / Passage.

1350mm min. high partition thick panel based systems 1200mm(HT).Base shall be formed as approved powder coating on aluminium & fabric panel. Workstation along corridor / Passage.

1200mm min. high partition with laminate finish below the worktop, fabric above work top towards Inside and Outside of Workstation in return partition / handshake Only end to end of workstation.

Work Top:- Worktop shall be of 25mm thick pre-laminated particle board with 2mm thick PVC edge banding finish with as per approved laminate color.

Work top shall have 2mm PVC edging of approved make quality shade and colour on exposed area and 1mm on covered area.

	<p>The top shall be supported with suitable M.S. bracket of standard size made of CRCA sheet of minimum 2mm thick Grade D as per IS 513 with power coated finish of approved colour.</p>				
	<p>Powder coating will be in Epoxy powder coating will be minimum 50 micron.</p>				
	<p>Gable Ends shall be of 25mm thick prelaminated particle board with 2mm thick PVC edge banding finish with as per approved laminate color.</p>				
	<p>Gable end Bracket will be of minimum 2.0mm thick CRCA steel Grade D as per IS 513 with metal insert</p>				
	<p>Round Wire manager for wire management of dia 60-70mm shall be finished same as per table top.</p>				
	<p>KEY BOARD TRAY WITH MOUSE PAD (Ebco/hettich Make) & CPU TROLLEY</p>				
	<p>Make: Godrej, Methodex, Featherlite, Amardeep, Eurocoustic</p>				
2	STORAGE				
a	<p>Providing and fixing Storage cabinet 380mm deep and 750/1200 mm high length as/ design as shown in details with all sides, shelves to be 18-19 mm thk. BWR ply with 12mm BWR ply to be fixed at the back finished with 0.8mm laminate. The shutters to be 18-19mm BWR ply, with 1mm laminate. All internal surfaces to have 0.8m laminate but the top surface finished with 12mm Acrylic Solid Surface thermoformed at edges in front side 25mm thk. All edges of sides, shelves and shutters to have 2mm PVC Edge binding tape as per details, complete including S.S. long handles, self closing hinges, locks, etc. complete to the satisfaction of Architect /Bank's Engg. (Only front elevation to be considered for area calculation)</p>	25.00	Sq Mts		

b	Providing and fixing Storage cabinet 450mm deep and 2400mm/up to false ceiling high length as/deign as shown in details with all sides, shelves to be 18-19 mm thk. BWR ply with 12mm BWR ply to be fixed at the back. The shutters to be 18-19mm BWR ply, with 1.0 mm laminate. All internal surfaces to have 0.8m laminate. All edges of sides, shelves and shutters to have 2mm PVC Edge binding tape as per details, complete including S.S. long handles, self closing hinges, locks, etc. complete to the satisfaction of Architect /Bank's Engg. Only front elevation to be considered for area calculation.	15.00	Sq Mts			
3	Mid. Back Chair: Category : Mesh Chair (Ergonomic). Medium : Back Mesh Chair Seat with PU mulded cushion with PU armset. Gas lift for seat height adjustment. Syncro mechanism with single position lock. Five prong chrome base with twin base castor. Warranty : 1 Year. (Make Eurocoustic,Amardeep, Godrej.)	150.00	Nog			
Total of Furnishing Work						
1.0 PREAMBLE TO BOQ:						
1.1 Tendered Rates all Inclusive EXCEPT GST:						
1.1.1	Unless otherwise provided in the Bill of Quantities, the rates tendered by the Contractor for all items of the work shall be all inclusive and shall apply to all heights, lifts, leads and depths, in all positions of the building. Please consider Basic rate items mentioned in technical specification/tender documents before quoting the rates from tender documents. The same shall be either payable or recoverable.					
1.1.2	Rates/prices quoted in this tender shall be inclusive of cost of materials, labours, supervision, installation, testing and commissioning, materials erection, tools, plant appliances, scaffolding, sleeves, cutting, patching, excavation and backfilling, painting, storage of material, service connections, transport to site, taxes, duties, transit insurance octroi and levies, all relevant insurance charges, breakage, wastage and all such expenses as may be necessary and required for the satisfactory completion of all the items of the work and final guarantee testing and to put there in working conditions and all other requirements as called for in all the parts of these Tender Documents.					
1.1.3	All rates quoted must be for complete items inclusive of all such accessories, fixtures and fixing arrangements, supports, nuts, bolts, hangers as are a standard part of the particular item except where specially mentioned otherwise.					
1.1.4	All rates quoted are inclusive of cutting holes and chases in walls and making good the same with cement mortar / concrete / water proofing of appropriate mix and strength. Rates are inclusive of holes, sleeves, recesses in the concrete and masonry work as the Work proceeds except foundation work.					
1.1.5	All rates quoted shall include marking of grills/diffusers.					
1.1.6	Nothing extra shall be payable to Contractor on account of any of the above factors.					

1.1.7	The client reserves the right to supply directly any of the items listed in the BOQ. For all such items, if desired by the Owner, installation, testing and commissioning shall be the responsibility of the Contractor.
1.1.8	Making and closing of all HVAC associated openings in walls shall form part of HVAC works. All quoted prices should be inclusive of this aspect.
1.1.9	Wooden frame work for mounting grills on walls shall be in the scope of HVAC works and nothing shall be paid extra for this. However, frame work for mounting grills/diffusers on false ceiling shall be provided by other agencies.
1.1.10	The grills/diffusers shall be measured and charged on actual area basis and 0.1m ² shall not be accepted as the minimum chargeable area.
1.1.11	The bidder should quote all imported equipment with price breakup in Foreign exchange and Indian Rupees.
1.1.12	The bidder should quote as per the equipment/ materials given in BOQ. Any suggested deviations can only be given as an option with proper justification.
1.1.13	The quoted price shall include all labelling and identification of various equipment/piping as per relevant IS colour coding. In the absence of IS colour coding for any equipment, the labelling and identification shall be carried out as per good practice.

S.No.	Description	Qty.	Unit	RATE IN FIGURES (Rs.)	RATE IN WORDS (Rs.)	Amount (Rs.)
A)	Outdoor Units					
	Supply, installation, testing and commissioning of Variable Refrigerant Flow modular type airconditioning system complete with indoor and outdoor units, individual cordless remote with refrigerant piping, control cabling as per detail given in drawing and having following items:					
1.0	Modular type outdoor units equipped with highly efficient inverter/Digital type scroll compressors with special precoated heat exchanger, low noise condenser fan housed in compact housing duly powder coated of following capacities:					
a)	18 HP Outdoor unit (On terrace)	2	No.			
2.0	Indoor Units					
	Supply, installation, testing and commissioning of following Wall Mounted /Cassette type/slim Ceiling Mounted duct type/Ceiling Mounted Built in type/Ceiling Mounted Ductable type units of indoor VRV/VRF Air Conditioners with decorative panel complete as required.					

2.1	CASSETTE TYPE UNITS Ceiling Mounted					
a)	3.0 TR Capacity	8	No.			
b)	2.0 TR Capacity	0	No.			
c)	1.5 TR Capacity	4	No.			
2.2	Wall unit					
a)	1.5 TR Capacity	6	No.			
2.3	Supply, installation, tesing and commissioning of Imported Remote controllers (Cordless) for operation of indoor units	8	Nos			
2.4	Supply, installation, tesing and commissioning of Imported fittings Y-joints, distributer and headers for all Indoor units at both the ends floors layout as per layout drawings	20	Sets			
3.0	Refrigerant Piping					
	Supply, fixing, testing and commissioning of interconnecting copper refrigerant pipe work duly insulated (13 mm thick) with elastomeric nitrile rubber type tubular insulation with Mechanically protected between indoor & outdoor units. All piping inside the room shall be properly supported with hanger and all external piping shall run in covered cably tray with UV Mechanical Protection. Cost of cable tray shall be included.					
a)	41.3mm OD	20	RM			
b)	34.9mm OD	20	RM			
c)	28.6mm OD	40	RM			

d)	25.4mm OD	10	RM			
e)	22.2mm OD	30	RM			
f)	19.1mm OD	30	RM			
g)	15.9mm OD	30	RM			
h)	12.7mm OD	40	RM			
i)	9.5mm OD	40	RM			
j)	6.4mm OD	20	RM			
4.0	Transmission & Control Wiring					
	Providing & fixing control cum transmission wiring in medium duty MS Conduit between indoor and outdoor units.					
a)	2C x 1.5 Sqmm Cu Cable	60	RM			
b)	3C x 1.5 Sqmm Cu Cable	100	RM			
5.0	Drain Piping					
	Providing & fixing rigid uPVC piping complete with fittings, supports as per specifications and pre insulated with 6mm thick closed cell elastomeric nitrile rubber tubular insulation.					
a)	25 mm dia	40	RM			
b)	32 mm dia	60	RM			
c)	40 mm dia	40	RM			

6.0	Supply, installation, testing and commissioning of 100A, 4P on load isolator in lockable powder coated 2mm thick wall mounted type enclosure (Weather Proof) having provision of incoming and outgoing cable of the size 1 no. of 3.5C x 25 Sqmm. Al. conductor XLPE insulated armoured with all fixing hardwares etc. as required. (For outdoor unit)	2	No			
7.0	Supply, installation, testing and commissioning of 63A, 4P on load isolator in lockable powder coated 2mm thick wall mounted type enclosure (Weather Proof) having provision of incoming and outgoing cable of the size 1 no. of 3.5C x 16 Sqmm. Al. conductor XLPE insulated armoured with all fixing hardwares etc. as required. (For outdoor unit)	2	No			
8.0	Valves					
	Ball Valves					
	25 mm	9	Nos			
	TOTAL Air System Cost					
Electrical work						
1.0	The work shall be executed as per relevant specification and drawings.					
2.0	All material and equipment shall be as per specification and as per approved makes of material. Where specifications are not available the material shall be as per Indian standard specifications. The quantities and capacities of the equipments shall meet the requirement for successful completion of the work.					
3.0	The installation and testing shall also be as per specifications and as per direction and satisfaction of Bank.					
4.0	Contractor shall submit the shop drawings for approval by consultants / Engineer in charge. The work shall be carried out as per the approved shop drawings.					
5.0	Panels shall be fabricated as per specifications after approval of fabrication drawings by consultant / Engineer in charge.					
6.0	All Electrical panel must have provision of potential free contacts for BMS/FAS.					
7.0	All Electrical panel must have digital type energy meter with RS 485 port.					

i)	All materials, fixing hardware, accessories, tools and plants, freight, insurance, labour, taxes, duties, testing commissioning and of the work, as per specifications and drawings.
ii)	Wastage on material and labour.
v)	All liabilities, obligations and risks arising out of conditions of contract.
vi)	All requirements for successful completion of the work whether mentioned in BOQ, specifications and drawings or not.
vii)	In the event of conflict between BOQ, specifications and drawings, the most stringent shall apply. The decision of Architect / Engineer incharge / Consultant shall be final and binding.
9.0	The quantities of the items in the BOQ are for general guidance only based on the consultants drawings and documents. The contractor shall be paid for actual quantities as per schedule rates.
10.0	Contractor shall visit the site before quoting the rates and satisfying himself about the working conditions. Since this is a tall building, hoisting the material to upper levels may be taken into account while quoting the rates. No extra claim on this account shall be entertained.
11.0	Approval of all makes of material to be supplied out of approved list, shall be obtained by the contractor. Sample of the material shall be kept at site to check with the material actually installed at site.
12.0	Engineer in charge may get the material tested at authorized labs. In case material is found under specifications as per IS, same shall be replaced by the contractor. The test fee for 1 st test shall be borne by the client but for subsequent test, fee due to failure of first sample, would be borne by the contractor.
13.0	Testing and commissioning shall be carried out as per IS 732-1989 for the installation. The record of test results shall be maintained and submitted to the engineer in charge who would check the same at random.
14.0	The tender shall be filled in ink and any cutting / overwriting shall be attested by the tenderer. Rates shall be quoted both in figures and words. If there is discrepancy between the rates in figures and words, then rates in words shall be final.
15.0	Totaling errors or missing amounts shall be corrected and incorporated in tendered amount.
16.0	Continuous earth wire shall run alongwith circuit wiring and point wiring. All switch boxes and fixtures shall be earthed. Only solid conductor earth wire shall be used for earthing.
17.0	Where only conduits are laid for other services 16 SWG steel wire shall run in the conduit for pulling the wires at later date, by other agencies.

18.0	Tenderer may note that there are lot of RCC walls in which conduits and outlet boxes switch boxes are to be provided. Costing of such walls shall be done with mixer shutterings. Conduits and boxes shall be laid before pouring the concrete. The outlet boxes, J.boxes, switch boxes shall be touch welded to the reinforcement before concreting. Only deep metallic J.boxes shall be used with PVC conduit as well.					
19.0	All connections shall be through, aluminium ferrules for aluminum conductors and copper ferrules for copper conductor cables.					
20.0	Earth wire with point wiring, circuit wiring, shall be of green colour with solid conductor.					
21.0	DBs shall be circuit numbered.					
22.0	As built drawing shall be prepared by the contractor after successful completion of the work these drawings shall incorporate the actual layouts, routes of cables and conduits with sizes, locations of outlets, DBS switch rooms panel, Tag blocks EPABX, Switches servers, fire detectors, zonal and main fire panels, location of CCTV cameras, monitors, etc. sets of blue prints of switch drawings shall be submitted to the Engineer incharge for verification with actual layout at site and for record.					
S.No.	Description	Qty.	Unit	RATE IN FIGURES (Rs.)	RATE IN WORDS (Rs.)	Amount (Rs.)
A)	MV PANEL BOARDS					
	Design, fabrication, loading, unloading at store, installaton, testing & commissioning as directed by Engineer-in-Charge, of LT Panels fabricated out of 2mm thick for structural members (Load bearing members) and 1.6mm thick for door and covers (Non load bearing members) CRCA sheet in cubicle compartmentalize free standing floor mounted, dust and vermin proof with reinforcement of suitable size angle iron, channel 'T' irons and / or flats wherever necessary, 16 gauge CRCA sheet steel shall be used for final distribution panels. Cable gland plates shall be provided on top as well as at the bottom of the panels. Panels shall be treated with all anticorrosive process before painting as per specifications with 2 coats of zinc chromate primer and final approved shade of enamelled paint. 2 Nos. earthing terminals shall be provided for all distribution panels. Panels shall be suitable for 415V, 3-phase, 4-wire, 50Hz supply system and with 15% spare space, lifting hooks shall also be provided in case of large panels. Panel must be BMS/FAS Compatible.					
	Approval shall be taken for each panel before fabrication. Galvanized hardwares with zinc passivation shall be used in fabrication of panels.					
	General Notes:					
1.0	MCCB:					

	MCCBs shall be used with Thermal Magnetic Based releases upto 250A and microprocessor based Over Load, Short Circuit / Earth Fault release.					
2.0	Breaking capacity mentioned is lcs value.					
3.0	This BOQ to be read in conjunction with technical specifications and Single Line Diagram (attached for reference). If any discrepancy occurs that should be brought to the notice of Client/Consultant before quoting the price otherwise stringent condition will be deemed to have been considered.					
4.0	All MCCBs shall be provided with rotary operating handle and ON/OFF lamps.					
5.0	All meters shall be digital type (unless otherwise specified)					
6.0	All Incoming and outgoing breaker must have provision of Potential free contacts for BMS/FAS.					
7.0	All MCBs shall be motor duty type.					
8.0	All current/voltage transformer shall be cast resin type.					
9.0	All indicating lamps shall be LED type.					
10.0	Current density for CU. bus bars shall not be more than 1.6A/Sqmm. Rating of Bus bar is after considering all derating factors. (Bus bar sizing calculation to be submitted for approval.)					
11.0	All internal control wiring shall be heat resistant type.					
12.0	All TP feeders shall be provided with Isolable neutral link.					
13.0	Bus bar chamber & cable entry both shall be provided at top only.					
14.0	All feeders shall be provided with door interlocked with door defeat, pad lock facility.					

15.0	Live parts shall not be accessible after opening the door, Transparent acrylic sheet to be provided to cover the same.					
16.0	Spare contacts of MCCBs / Relay / Contactor shall be wired upto terminal block.					
17.0	20% spare control terminal to be provided.					
18.0	All incoming/outgoing cables shall be terminated on links/terminals.					
1.0	MAIN PANEL :					
	Supply, Installation, testing & commissioning of compartmentalized Fabricated type powder coated Power & Lighting Distribution boards as per Drawing, Specification. The unit rate shall include loading/unloading, shifting from site store to the place of installation, assembling the Panel including mounting & wiring of loose parts by manufacturers, interconnection of shipping sections, installation on readymade Cable trench (provided support for panel mounting) or directly on floor, assembling of loose accessories supplied by the manufacturer, wiring & connection of auxiliary circuits, installation, testing & commissioning of all Panel, interlocking and supply of all necessary hardware. Aligning, levelling, grouting, testing and setting of relays and meters including all hardware. (200Amp Cu Busbar 100% Nutral)					
	INCOMER :--	2	Nos.			
	1No. 200Amp. FP MCCB (36KA) with rotary handle, sperader link , on-off, trip indicator...					

	1 No. digital Multifunction Meter for measurement with all para meters, RS-485 port, BMS compatible with selector Push button and one set of CTs of ratio 200A/5A, CL 1.0, 15VA (ELF 3259 of Conserv or Equivalent)					
	OUTGOING :--					
	1 Nos. 125A FP MCCB With Rotary & Spredar Set.					
	8No. 63A FP MCB					
	4No. 40A FP MCB					
	32Amp DP MCB With Timer & Contector - For Signboard					
1.0	UPS PANEL :					
	Supply,Installation, testing & commissioning of compartmentalized Fabricated type powder coated Power & Lighting Distribution boards as per Drawing, Specification. The unit rate shall include loading/unloading, shifting from site store to the place of installation, assembling the Panel including mounting & wiring of loose parts by manufacturers, interconnection of shipping sections, installation on readymade Cable trench (provided support for panel mounting) or directly on floor, assembling of loose accessories supplied by the manufacturer, wiring & connection of auxiliary circuits, installation, testing & commissioning of all Panel, interlocking and supply of all necessary hardware. Aligning, levelling, grouting, testing and setting of relays and meters including all hardware. (125Amp Cu Busbar 100% Nutral)					
	INCOMER :--	2	Nos.			
	1No. 125 Amp. FP MCCB (36KA) with rotary handle, sperader link , on-off, trip indicator...					

	1 No. digital Multifunction Meter for measurement with all parameters, RS-485 port, BMS compatible with selector Push button and one set of CTs of ratio 125A/5A, CL 1.0, 15VA (ELF 3259 of Conserv or Equivalent)					
	OUTGOING :--					
	6No. 63A FP MCB					
	2 No. 32Amp DP MCB					
	TOTAL CARRIED OVER TO SUMMARY					
B)	MV CABLES					
1	Supplying, Laying, testing & commissioning of the following sizes of XLPE Al. Conductor armoured cables of 1.1KV grade on the surface of wall or on existing cable trays complete with hangers, proper clamps fixing hardware etc. as required					
a)	4 C x 50 Sq. mm Al. Cable (PANEL TO UPS I/P)	80	Mtrs			
b)	4 C x 35 Sq. mm Al. Cable	0	Mtrs			
c)	4 C x 25 Sq. mm Al. Cable (MAIN PANEL TO ACDB)	75	Mtrs			
d)	4 C x 16 Sq. mm Al. Cable (MAIN PANEL TO RPDB)	45	Mtrs			
e)	4 C x 10 Sq. mm Cu. Cable (MAIN PANEL TO AC OUTDOOR)	135	Mtrs			

f)	4 C x 6 Sq. mm Cu. Cable (MAIN PANEL TO LDB / UPS O/P DB)	145	Mtrs			
g)	4 x 16 sqmm Copper Wire with conduit (For, UPS input / OutPut)	26	Mtrs			
2	Suppling, making, testing & commissioning of end termination with brass mettalic double compression glands suitable for the following sizes of XLPE Al. conductor arnoured cables including proper sizes of copper thimbles etc. as required.					
a)	4 C x 50 Sq. mm Al. Cable	2	Nos.			
b)	4 C x 35 Sq. mm Al. Cable	4	Nos.			
c)	4 C x 25 Sq. mm Al. Cable	8	Nos.			
d)	4 C x 16 Sq. mm Al. Cable	6	Nos.			
e)	4 C x 10 Sq. mm Cu. Cable	12	Nos.			
f)	4 C x 6 Sq. mm Cu. Cable	16	Nos.			
g)	4 x 16 sqmm Copper Wire with conduit	8	Nos.			
3	Supply and installation of following sizes of perforated GI cable tray made cut of 2 mm thick GI sheet, suspended from the ceiling or fixed on wall/column etc complete with suspenders, runners and fixing hard ware etc. as required.					

a)	50 mm x 300mm x 50 mm	5	Mtrs			
b)	50 mm x 150 mm x 50 mm	5	Mtrs			
4	Fabricating supplying to site of installation, in floor including chase cutting of floor, leveling, refilling and making good the same from 1.6 mm thick and 2 mm thick cover pregalvanised MS CRCA sheet, totally enclosed, height 40 mm . The two lengths of raceways shall be fitted with Collars , 50 mm wide, 3 mm thick , press fit type. The raceways shall be clamped to the floor slab with GI clamps , 3mm thick and shall be screwed to the floor slab. The joint between raceway and junction box will be made with GI flexible strip(3 nos), 3 mm thick, 4 inches long , 15 mm wide which will be nut bolted to the Junction box complete as required etc.					
b)	100MM X 38MM x1.6 MM	50	Mtrs			
c)	150MM X 38MM x1.6 MM	100	Mtrs			
d)	300MM X 38MM x1.6 MM	200	Mtrs			
5.0	Fabricating supplying to site of installation, Junction boxes for Floor and Ceiling raceways made from 2 mm thick , with 2.5 mm thick GI cover including providing neoprene gaskets between the cover and the junction box, cadmium plated flat/round head screws, height as per site condition, totally enclosed. Proper cutouts shall be made in the side walls for raceway entry wherever required. The junction box shall be all side walls should be welded except top cover and all side walls shall have suitable size of rectangular knock out holes for taking raceways / conduits as required and not a complete cut out. The top cover should be sealed with M Seal to make it dust and water proof complete as required etc.					
c)	150MM X 150MM x 60-75 MM	30	Nos.			

d)	250MM X 250MM x 60-75 MM	25	Nos.			
e)	350MM X 350MM x 60-75 MM	30	Nos.			
6.0	100x50MM PVC trunking with end cap and coplar Supply & Fixing.	5	Mtr.			
	TOTAL CARRIED OVER TO SUMMARY					
	TOTAL for A					
C)	SAFETY EQUIPMENTS					
1.0	Supplying & fixing of Rubber matting of 12 mm thick, 1 Mtrs wide suitable for voltage of 1.1 KV etc. as required.	10	Sq.Mtrs			
2.0	Supplying & fixing of Shock treatment chart printed in atleast three languages i.e, Hindi, English and a local language fitted in wooden frame and glass at front side and hard board at back side etc. as required.	2	Nos.			
3.0	Providing & fixing of MV / HV Danger Notice Plate of 200 mm x 150 mm ,made of mild steel at least 2mm thick and vitreous enameled, white on both side & with inscription in signal red colour on front side as required.	4	Nos.			
	TOTAL CARRIED OVER TO SUMMARY					
D)	DISTRIBUTION BOARDS					

	Supplying, installation, testing & commissioning of following type wall mounted Horizontal TPN/SPN distribution board of double door type design made out of MS sheet with supplying and fixing following accessories including painting, interconnections, painting, earthing and labeling etc. as required.					
1.0	12 WAY TPN DB					
	Incoming					
	63Amp TPN MCB (10KA) - 1 No					
	63Amp DP RCCB (30mA) - 3 Nos					
	Outgoing					
	10/16/20/25 Amp SP MCB (10KA) - 30 Nos					
	Neutral links - 3 Nos (Separate for each phase)	3	Set			
2.0	8 WAY TPN DB					
	Incoming					
	63Amp TPN MCB (10KA) - 1 No					
	63Amp DP RCCB (30mA) - 3 Nos					
	Outgoing					
	10/16/20/25 Amp SP MCB (10KA) - 18 Nos	3	Set			
	Neutral links - 3 Nos (Separate for each phase)					
3.0	6 WAY TPN DB					
	Incoming					
	40Amp TPN MCB (10KA) - 1 No					
	40Amp DP RCCB (100mA) - 3 Nos					
	Outgoing					
	10/16/20/25 Amp SP MCB (10KA) - 12 Nos					
	Neutral links - 3 Nos (Separate for each phase)	6	Set			
4.0	200 Amp. 4 P ,25KA MCCB with Box For Near Meter Location	2	Set			
5.0	125 Amp. 4 P ,25KA MCCB with Box for UPS	2	Set			
	TOTAL CARRIED OVER TO SUMMARY					
E)	POINT WIRING					

1.0	Wiring for switch controlled Light Point with 3 x 1.5 Sq. mm PVC insulated FRLS multistrand copper conductor 1100 Volt grade wires in recessed/surface MMS FRLS PVC conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting and filling chases for recessed conduiting and including the cost of supplying and fixing a 6 Amp 240 Volt grid plate mounted switch with moulded cover plate in zinc chromate passivated MS box, and costing circuit wiring with 3 x 2.5sq. mm 1100 volt grade PVC insulated FRLS Multistrand copper conductor wires, in PVC conduit complete as per specifications and as required.					
(i)	Primary Point	85	Points			
(ii)	Secondary Point	168	Points			
2.0	Wiring for MCB controlled Light Point with 3 x 1.5 Sq. mm PVC insulated FRLS multistrand copper conductor 1100 Volt grade wires in recessed/surface MMS FRLS PVC conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting and filling chases for recessed conduiting.					
(i)	Primary Point	8	Points			
(ii)	Secondary Point	15	Points			

3.0	Wiring for 5 pin 6 A Light plug point with 3 x 1.5 Sq.mm PVC insulated FRLS multistrand copper conductor 1100 Volt grade wires in recessed/surface MMS FRLS PVC conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting & filling chases for recessed conduiting, including the cost of providing & fixing 1 No. Modular type 3 pin 6 A socket outlet controlled by 6 A switch in zinc chromate passivated MS box, and circuit wiring with 3 x 2.5 sq mm complete as per specifications and as required.	20	Points			
4.0	Wiring for 3 nos. 5 pin 6 A Light plug point below table, controlled by 16 A Switch on table top with 3 x 2.5 Sq.mm PVC insulated FRLS multistrand copper conductor 1100 Volt grade wires in recessed/surface MMS FRLS PVC conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting & filling chases for recessed conduiting, including the cost of providing & fixing 1 No. Modular type 3nos.5 pin 6 A socket outlet controlled by 6 A switch in zinc chromate passivated MS box, and circuit wiring with 3 x 2.5 sq mm complete as per specifications and as required. (UPS POWER)	135	Points			
5.0	Wiring for following. 16 A Socket controlled by 1 No. 16A Switch with 3 x 2.5 Sq. mm PVC insulated FRLS multi strand copper conductor 1100 Volt grade wires in recessed/surface MMS FRLS PVC conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting chases for recessed conduiting, including the cost of providing & fixing 1 No. Modular type 20 A socket outlet controlled by 1 No. 6 A switch in zinc chromate passivated MS box, complete as per specification and as required.	20	Points			
6.0	Wiring for following. 1 Nos. 5 pin 16 A Power plug point controlled by 1 No. 16A Switch with 3 x 2.5 Sq. mm PVC insulated FRLS multi strand copper conductor 1100 Volt grade wires in recessed/surface MMS FRLS PVC conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting chases for recessed conduiting, in zinc chromate passivated MS box, complete as per specification and as required. (RAW POWER)	135	Points			

7.0	Wiring for ceiling/wall fan Point with 3 x 1.5 Sq. mm PVC insulated FRLS multi strand copper conductor 1100 Volt grade wires in surface / recessed, PVC conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting and filling chases for recessed conduiting and including the cost of supplying and fixing a 6 Amp 240 Volt grid plate mounted switch & 300W electronic regulator with moulded cover plate in zinc chromate passivated MS box, and including the cost of circuit wiring with 3 x 2.5sq. mm 1100 volt grade PVC insulated FRLS multi strand copper conductor wire, inPVC conduit complete as per specifications and as required.	4	Points			
8.0	Wiring for exhaust fan Point with 3 x 1.5 Sq. mm PVC insulated FRLS multi strand copper conductor 1100 Volt grade wires in surface / recessed PVC conduit with accessories including cost of providing saddles etc for surface conduiting and/or cost of cutting and filling chases for recessed/surface MMS FRLS PVC conduit and including the cost of supplying and fixing a 6 Amp 240 Volt grid plate mounted switch with moulded cover plate in zinc chromate passivated MS box, and including the cost of circuit wiring with 3 x 2.5sq. mm 1100 volt grade PVC insulated FRLS multi strand copper conductor wire, complete as per specifications and as required.	6	Points			
10.0	Wiring for 20A Single Phase metal clad socket outlet with 2 x 4 +1 x 2.5 sqmm PVC insulated FRLS multistrand copper wire of 1100 volt grade in recessed/surface heavy duty FRLS PVC conduit with accessories including supply and fixing 20A 3pin metal clad plug and socket and 20A SP MCB (MD) in IP 44 Poly carbonate box complete as per specification and as required.	2	Points			

14.0	Providing and fixing of following sizes of PVC Flexibale Conduits suitable for various applications, halogen free, oil and petrol resistant, flame retardant, self extiguishing, high compressive strength and good wearing properties along with connectors complete with conduit gland & all accessories required.					
a)	25mm dia	80	RM			
2.0	Supply & fixing the following sizes of PVC conduit in recessed or on surface of wall . False ceiling including cutting the wall and making good the same as required.					
a)	25 mm dia	280	Mtrs			
15	Supply, Laying & connection of 3 X1.5 sq.mm copper flexible FR wires from DB/Panel to switch board / Power Point in 25mm Dia. MMS PVC conduit in wall / slab / floor. The unit rate shall include rate of Supply, Laying & connection of pipes & wires.	300	RM			
16	Supply, Laying & connection of 2 X 2.5 sq.mm & 1 X 1.5 sq.mm copper flexible FR wires from DB/Panel to switch board / Power Point in 25mm Dia. MMS PVC conduit in wall / slab / floor. The unit rate shall include rate of Supply, Laying & connection of pipes & wires.	1500	RM			
17	Supply, Laying & connection of 2 X 4.0 sq.mm & 1#2.5 sq.mm copper flexible FR wires from DB/Panel to switch board / Power Point in 25mm Dia. MMS PVC conduit in wall / slab / floor. The unit rate shall include rate of Supply, Laying & connection of pipes & wires.	200	RM			
18	Supply and installation of SS 304 grade 2 to 2.5mm thick SS floor plate on junction box 400mm x 400 mm with champhered edges	30	nos.			

19	Supply and installation of SS 304 grade 2 to 2.5mm thick SS floor plate on junction box 300mm x 300 mm with champhered edges	25	nos.			
20	Supply and installation of SS 304 grade 2 to 2.5mm thick SS floor plate on junction box 200mm x 200 mm with champhered edges	30	nos.			
TOTAL CARRIED OVER TO SUMMARY						
F) LV SYSTEM (DATA/TELE)						
LAN SYSTEM						
1.0	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed steel/PVC conduit as required. 4 Pair CAT6 Unshielded, Twisted Pair (U/UTP) Cable 305 mtr per Box.	8500	Mtrs.			
2.0	Supplying, installing, testing and commissioning of Cat 6 RJ 45 Data I/o Socket	175	Nos.			
3.0	Supplying, installing, testing and commissioning of 24 port Cat 6 patch panels with required material.	8	Nos.			
4.0	Supplying, installing, testing and commissioning of following length of Cat - 6 patch cord. 4 Feet :	300	Nos.			
5.0	Supplying, installing, testing and commissioning of following length of Cat - 6 patch cord. 7 Feet :	200	Nos.			

6.0	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.	135	nos			
7.0	1 Module : Single Module Face Plate	20	Nos.			
8.0	2 Module : Dual Module Face Plate	150	Nos.			
9.0	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed steel/PVC conduit as required. 4 Pair CAT6 Unshielded, Twisted Pair (U/UTP) Cable 305 mtr per Box.	4500	Mtrs.			
10.0	Supplying, installing, testing and commissioning of Cat 6 Voice I/o Socket .	135	Nos.			
11.0	Supplying, installing, testing and commissioning of 24 port Cat 6 patch panels with required material.	6	Nos.			

12.0	Supplying, installing, testing and commissioning of Cabinet. Size 2026 X 800 X 800 mm (HXWXD) following accessories, Width (mm) 800, Depth (mm) 800, Approx.Net Wt (kg) 150, CRCA 'D' Grade thickness (mm) 1.2, RAL 9017(Matt Black), Glass: 4mm Toughened Tinted Glass Door,Injected one piece polyurethane gasket on frame, Accessories: Cooling Fan (230V A/C 90 CFM) - 4 Nos, Cable Manager Metal- 4 Nos,PDU 230VAC - 1 No (12 nos. 6A/16A sockets with plugs 6A/16A - 1/1pc & MCB 16A/32A -0/1 Pc), cable channel 100mm wide 42U- 2 Nos,Heavy Duty Stationary shelf M6 screws,washer,cage nuts (nickel coated))3 Nos. Earthling Strips 150mm H - 1 No, Door Lock - 1 No, Castor Wheels (with Brake) - 2 Nos, Castor Wheels (without Brake) - 2 Nos, Front Metal Band - 1 No. Packing: 5 ply cardboard & Inside 28 ply EP foam. In the rack there must be maintained 1 U = 1.75 inches space. Nos. 1 etc complete as required	2	Nos.			
13.0	100 Pair Telephone Tag Box With Krone Strip Supply & Fixing.	4	Nos.			
14.0	100 Pair Jelly Arm Cable Supply & Laying.	80	Mtr.			
TOTAL CARRIED OVER TO SUMMARY						
G) LIGHTING FIXTURES						
1.0	Supply site installation installation, testing & commissioning of 48/36" ceiling/wall fans complete with all accessories such as blades, canopy etc. including wiring the down rod with 3 x 1.5 sq mm FRLS PVC insulated multistranded copper conductor wires and earthing the fans etc. complete as required.	1	Nos.			

2.0	Supply installation, installation, testing & commissioning of 12/9" exhaust fans on existing opening in wall including all fixing hardware, louvers, shutters etc. Connection with 3 x 1.5 Sqmm FRLS PVC insulated multistranded copper conductor wire from the socket outlet to the fan earthing etc. complete as required.	6	Nos.			
3.0	Supply & installation of self illuminated Exit / Fire Exit Signs boards (Glolite/Prolite make) hung from ceiling or on wall as per site conditions complete with all accessories etc. as required					
a)	Two Sided 11" x 4"	4	Nos.			
b)	One Sided 11" x 4"	2	Nos.			
4.0	Supply of following LED Lighting Fixture					
a)	Supply, installation, testing and commissioning of LED 36 watt (600mm x 600mm) Recess Mounted Luminaire with making earthing connection complete to be recessed in false ceiling with all necessary hardware, hanging frame arrangement, chains, hook etc., complete. (with minimum -03- Years warranty) Make (Wipro / Philips / Havells / Halonix)	90	Nos.			
b)	Supply, installation, testing and commissioning of 6"/9" dia. of 12 W LED Downlighter to be recessed in false ceiling with all necessary hardware, chains, hook etc., complete. (with minimum -03- Years warranty) (Wipro / Philips / Havells / Halonix)	25	Nos.			
c)	Supply, installation, testing and commissioning of 6"/9" dia. of 15 W LED Downlighter to be recessed in false ceiling with all necessary hardware, chains, hook etc., complete. (with minimum -03- Years warranty) (Wipro / Philips / Havells / Halonix)	65	Nos.			

c)	LED 4ft. 18 Watt (Equivalent to. Wipro cat No D53206500K)	8	Nos.			
e)	5 watt / mt. 50/50 LED Strip Light With Driver (Equivalent to Wipro cat No. D45040 4000K)	35	Mtr.			
f)	9Watt Spot Light (Equivalent to Wipro cat No D 120940)	12	Nos.			
	TOTAL CARRIED OVER TO SUMMARY					
H)	EARTHING					
1.0	1 x 16sqmm copper wire for UPS/Server	150	Mtrs			
2.0	Supplying and laying of 8 SWG G.I. Wire on surface / recess as required.	225	Mtrs			
3.0	25x3 Hot Dip Gi strip Supply & Laying.	45	Mtrs			
4.0	25x3 Cu Strip Supply & Fixing.	5	Mtrs			
5.0	50mm Dia Pipe in pipe Earthing 3 mtr long with 25 kg Chemical Bag Supply & fixing.	6	Nos			
	TOTAL CARRIED OVER TO SUMMARY					
I)	UPS System					

1.0	Supply, Laying & testing of 20 KVA UPS System (Input : 3 Phase, 415 VAC and Output : 3 Phase, 415 VAC) with 30 min Backup with Battery Rack, Batteries, Links and UPS to battery cable 10 meters etc. complete in all respect	2	Nos			
J)	FIRE ALARM SYSTEMS					
1.0	Addressable Photo/Smoke- Detector with sensitivity range of 0.5 to 4.0% obs/ft. The intelligent detection device shall include the ability to combine the signal of the thermal sensor with the signal of the photoelectric signal in an effort to react hastily in the event of a fire situation. It shall also include the inherent ability to distinguish between a fire condition and a false alarm condition by examining the characteristics of the thermal and smoke sensing chambers and comparing them to a database of actual fire and deceptive phenomena. The detector shall have twin bi-colour LED for 360 deg viewing. Addressing shall be with compatible with existing setup including programming etc.	10	Nos			
2.0	Addressable Isolator Module for Isolating short / de-wired / loose circuits with automatic resetting arrangement. Isolator Base can also be proposed, however in that case needs to be considered with each detector & module. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the health status of the device. Addressing shall be with user friendly rotary decimal switches. compatible with existing setup including programming etc.	2	Nos			
3.0	Addressable Rate of Rise Heat Detector rated at 9.4 deg C/min. The detector shall have twin bi-colour LED for 360 deg viewing. Addressing shall be with user friendly rotary decimal switches. Designed to meet UL compatible with existing setup including programming etc.	3	Nos			
4.0	Supply, installation, testing and commissioning of the Addressable control modules for switching off Hooters complete as required as per specifications. compatible with existing setup including programming etc.	2	Nos			

5.0	Supply, installation, testing and commissioning of the Addressable control relay modules for switching off AC Units and Lifts complete as required as per specifications. compatible with existing setup including programming etc.	2	Nos			
6.0	Supply, installation, testing and commissioning of the Addressable Monitor modules complete as required as per specifications compatible with existing setup including programming etc.	2	Nos			
7.0	Supply, installation, testing and commissioning of the Addressable Manual Call Points complete as required as per specifications, UL Listed compatible with existing setup including programming etc.	2	Nos			
8.0	Supply, installation, testing and commissioning of the Fire Alarm Hooter and Strobe suitable for recessed/surface mounted including addressing module complete in all respect as required- 85 to 110DB compatible with existing setup including programming etc.	2	Nos			
9.0	Supply, installation, testing and commissioning of the Response Indicator as required compatible with existing setup including programming etc.	1	Nos			
10.0	Supply and drawing of following sizes of the PVC insulated and PVC overall sheathed, copper conductor armoured FRLS Cable of 600/1100 Volt grade with required fixing arrangement.					
a)	2x 1.5 sqmm	RM	180			