

PRICE BID (TO BE FILLED ONLY IN ONLINE MODE)

ALL ITEMS IS TO BE MADE AT SITE AND WOODEN RAW MATERIALS SHOULD BE GOT CHECKED BEFORE PASTING LAMINATES. NO FURNITURE ITEMS SHOULD BE MADE IN FACTORY / WORKSHOP

CIVIL & INTERIOR WORK PART-I					
S.No.	Item/Description	Qty.	Unit	Rate	Amount
1A	Dismantling & Demolishing (civil, interior & electrical): Dismantling and removing RCC/brickwork, existing floor (tiles, marble, mosaic etc), wall/ceiling plaster along with base plaster, false ceiling, furniture, workstations etc. wherever required and all other allied things and also disconnecting & removing wires/cables and removing electrical fittings and stacking as per Bank's instructions and disposing the unservicablemalba from site to the dumping site earmarked by local authorities. The item includes removal of plaster of all the walls and ceiling of all rooms, drawing room, kitchen, washrooms, backyard etc. all the portions of flat.	1	LS		
1B	Dismantling & Demolishing (sanitary& plumbing fixtures): Dismantling and removing toilets & kitchen fittings & fixtures such as WCs, angle valves, bib cocks, shower, internal GI , CI, PVC pipes, wash basin, sinks, and all other similar fittings, etc and stacking as per Bank's instructions and disposing the unservicablemalba from site to the dumping site earmarked by local authorities. Rate quoted to include said work in 4 toilets, 1 Kitchen, common areas, etc	1	LS		
2A	WATER CLOSET (ENGLISH TYPE, WALL HUNG): Providing and fixing first quality European Rimless water closet of approved make EWC Constellation in white in colour including providing and fixing tank/ cistern (concealed) height 80cm, width 36 cm with necessary porcelain, P/ S trap heavy duty plastic seats of approved manufacturer such as commander in approved colour, CP brass hinges, buffers etc., all complete including fixing in position with necessary holes, providing and fixing CP brass screws and connecting the outlet to the soil stack including testing the joints all complete as per specifications and making the entire system functional as approved by the Engineer-in-charge. (Make & Model- Hindware Elegance Neo (cat no. 20109 (P-22.5)) including cost of concealed cistern with cover plate) OR equivalent model in Jaquar having base price similar to above mentioned model.	3	Nos.		
2B	STOPCOCK / ANGLE COCK: Providing and fixing heavy duty stopcock manufactured in chromium plated with adjustable flange all complete as per standard specifications and as directed by the Engineer-in-charge. (make, jaquar, hindware)	6	Nos.		
2C	PILLAR COCK: Providing and fixing heavy duty Pillar cock of approved make all complete as per standard specifications and as directed by the Engineer-in-Charge including heavy duty C.P. Water connectors. (15 mm dia.) (make: Jaquar, Hindware)	6	Nos.		

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2D	JET SPRAY (Hand faucet): Providing and fixing hand type SS Jet Spray with adjustable nozzle and push type valve and inlet flexible water connection in the toilet. (make, Jaquar, hindware)	3	Nos.		
2E	NAHANI TRAP: Providing and fixing 100 mm. dia heavy quality approved make C.I. Nahani trap with 75 mm. dia outlet, embedding the trap in cement concrete using 1 : 3 : 6 mix with 20 mm. B.G. metal forming flow sump upto floor level over the trap, conveying the materials to all the floors, cutting masonry or concrete surface, restoring the same to their original conditions etc. providing and fixing 125 mm dia. brass chromium plated grating etc. all complete, as directed by the Engineer-in-Charge.	8	Nos.		
2F	WASH BASIN: Providing & fixing Stand alone wash basins (size 450 x 350 mm or more) with all supports/accessories bottle trap etc. without pedestal as per the direction of Engineer-in-Charge. (make & model- Hindware Avior S (cat - 91206) OR equivalent model in Jaquar having base price similar to above mentioned model. The rate is inclusive of underneath counter madeup of HDHMR board and marble on which washbasin is to be placed.	3	Nos.		
2G	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, concealed in wall, including all CPVC plain & brass threaded fittings, bends, i/c fixing the pipe with clamps at 1.00 m spacing and includes all accessories required for making connection ready . This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete . item includes pressure testing at 7 Kg/ Sq. Mt with pressure pump. & as directed by Architect/ Bank (Make- astral)				
(i)	20 MM Nominal bore	300	Rft		
(ii)	25 MM Nominal bore	150	Rft		
(iii)	100mm dia (uPVC)	200	Rft		
(iv)	75mm dia	150	Rft		
2H	URINAL WITH FLUSH VALVE :Providing and fixing wall hang urinal of approved make flat back large in white colour and size of (H x W x P): 59 c.m x 39 c.m x 37.5 c.m white in colour fixed with the help of angle brackets including providing water spreader, domb, and providing and fixing urinal valve (Jaguar), make cat No 077 of urinal valve auto closing system with Built in control cock finished with C.P and providing and fixing bottle trap (Jaquar) all complete as per the directions of the Engineer -in -charge OR equivalent model in Hindware having base price similar to above mentioned model.	2	Nos.		

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3A	VITRIFIED TILES: Providing and laying of 600x600,8-10mm thick vitrified tiles inclusive of 4" to 6" skirting of approved make & colours laid on cement mortar (1 cement:4 coarse sand) including pointing of the joints with white cement and matching pigment complete. The rate is inclusive of removing the existing tiles/surface of flooring & carting away to the nearest municipal dump area or directly fixing the tiles over the existing ones with adhesive laticrete 315 plus or cement mortar (1:3) after cleaning scrubbing, washing etc. complete as direct by Architect incharge. Note- The rate also include protection coat of POP over polythene till handing over the site. (Color & Shade to be pre-approved by Bank)	1000			
3B	CEREMIC GLAZED TILES OR VITRIFIED TILES MATT FINISH (Toilet): Providing and laying floor tiles 600x600mm conforming to IS 15622:2006 of minimum thickness 5 mm of approved make & colours laid on min 12mm cement mortar 1:4(1 cement:4 coarse sand) bed including pointing the joints with white cement and matching pigment etc. The rate also include protection coat of POP over polythene till handing over the site. (Type, Color & Shade to be pre-approved by Bank).	130	Sqft		
3C	Dado tiles: Providing and laying vitrified tiles 600x600mm conforming to IS 15622:2006 of minimum thickness 5 mm of approved make & colours laid on cement mortar 1:4(1 cement:4 coarse sand) bed / cementious adhesives including pointing the joints with white cement and matching pigment etc. (Color& Shade to be pre-approved by Bank)	500	Sqft		
4A	<p>False ceiling Works(For 4A & 4B):</p> <p>Note : i) Rate to be included for all kinds of profiles and cut outs required for light fixtures, Speakers, Smoke detector, trap doors and AC grill in the ceiling. Provision for light fittings, AC grills and diffusers have to be made at no extra cost supported with tees, Angles, etc. suitably fixed all complete as per drawing and direction. The area of these cutouts which is less than 0.5 sqmt for one unit will not be deducted while measuring the ceiling area. ii) The contractor must co-ordinate with electrical & AC contractor for working out various levels for the false ceiling & make the marking on the walls / columns before starting the false ceiling work. Measurement shall be taken of the plan area only. No separate payment will be done for cove or vertical drops.</p> <p>PLAIN GYPBOARD FALSE CEILING WITH PAINTING: Providing and fixing suspended false ceiling consisting of 12.5mm thick Gypsum board(India Gypsum) suspended on GI framework. GI framework to consist of GI perimeter channels 0.55mm thick 20mm x 30mm along perimeter of false ceiling of ceiling, screw fixed to</p>	300	Sqft.		

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	<p>wall/partition with nylon sleeves and screws @ 600mm c/c. Suspending GI intermediate channels of size 0.9mm thick 45mm x 15mm from the soffit at max distance 1220mm c/c with ceiling angle 0.55mm thick 25mm x 10mm fixed to soffit using proprietary supplied GI cleats and steel expansion fasteners. Boards to be finished with proprietary supplied jointing tape and jointing compound and sand papered to achieve a smooth and seamless finish and 2 coats of primer along with coats of Acrylic paint suitable for Gypsum board upto Bank's Satisfaction. Rate quoted to include vertical all cut-outs required for light fixtures, smoke detectors and other services cut-outs complete as directed by Architect.</p>				
4B	<p>GRID FALSE CEILING /Modular False ceiling : Providing and fixing suspended false ceiling consisting : approved make MODULAR CEILING</p> <p>Tile: Classic Lite RH 95; Details:</p> <p>Suspension system Suprafine 15 () False ceiling will be measured on horizontal plane only. Horizontal plane measurements are to be inclusive of all vertical drops, edge mouldings, fascias, etc. Rate quoted to include all cut-outs required for light fixtures, smoke detectors and other services cut-outs complete as directed by Architect. Rate quoted to include cost of providing support framework formed of perimeter channels for fixing light fixtures, AC grills/diffusers etc. Also to provide concealed perimeter channel support as required to support modular grid ceiling sections at junction between gypboard false ceiling and modular grid tile ceiling.</p>	700	Sqft.		
5A	<p>Partition & Panelling works (only with HDHMR/EDHMR boards– Century/ Greenply/Archidply). All woods to be treated with anti-termite coating (all sides). The thickness of plyboards/plywoods mentioned below is for boards without laminates</p> <p>(Specification for item from 5A to 5C).</p> <p>Measurement of height shall be taken from finished floor level up to the level of false ceiling in case of full height partition. In case of low height the measurement of height shall be taken from FFL upto the beading top. In case of varying heights on either side of partition, average heights shall be considered. The rate to include provision of extra frame work as necessary for skirting and making cutouts for electrical switch plates, switch boxes, light fittings light etc, making provision for laying conduct as per drawings and directions of site Eng. / Architect. It also includes teak wood properly polished / laminated top beading on all sides as per the requirement of specified size as per the directions of Engineer. All wood frame work to be applied with 2 coats of fire retardant paint and 1 coat of wood preservative with anti-termite properties. The work also includes provision of door as per requirements along with all lock (Godrej) Handle, Hinges (5.5) stoppers, door closures etc. as per bank's architect instructions. The rate also includes at no extra cost</p>	450	Sqft.		

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	<p>providing extra framework support above false ceiling upto RCC slab at every 4ft or less distance so as to make entire full height solid/glazed/semi-glazed partition rigid and firm.</p> <p>5A - Providing and fixing solid partition / glazed partition from floor level up to the level of false ceiling with frame work of aluminum with sections 1.75" x 1.75" at spacing not exceeding 600mm center to center in vertical direction. (Vertical member to be in one piece) and horizontal direction with 7 mm or more thick boards to be fixed on both sides, including grooves as per instructions and 1.0 mm thk laminate to be fixed (both sides) on top complete with polishing / painting the beading surface with spirit polish as per design and to the satisfaction of Architect/Employer. For glazed partition – item also includes 10mm Etched/frosted Glass above 900 mm to 1350/1800/2100/2400/2700 mm fixed in 75x15 mm beading as per specifications fixed around opening finished with melamine matt polishing/laminate. Rest of specifications same as MAIN specifications of Partitions. Complete to the satisfactions of Architect/ Bank.</p>				
5 B	<p>5 B - Providing and fixing Low height partition from floor level up to the 1220/1540 mm with frame work of aluminium 1.75" x 1.75" at spacing not exceeding 600 mm center to center in vertical direction (Vertical member to be in one piece) and horizontal direction, 7 mm or more boards to be fixed on both sides, including grooves as per instructions and 1.0mm thick laminate to be fixed on top. 15 mm teak wood moulding on top and side edges of partition and including 12 mm etched glass above 900 mm in straight / taper or curved shape as detailed, complete with polishing/painting the grooves as per design and to the satisfaction on Architect / Bank.</p>	80	Sqft.		
5 C	<p>5 C -Providing and fixing wall panelling as per design & pattern with atleast 1.5"x 1" aluminum frame at 2'-0" c/c in both directions with 7mm or more thick boards on top and finished with 1.0 mm laminate. The panelling to be screwed to the frame work; as per design and details. The wood surfaces to be finished in melamine polish complete. Top of the paneling edges / is to be provided with laminate or teak wood decorative beading of 35mm x 15 mm finished with polish/painting as directed.</p>	600	Sqft.		
6 A	Providing and fixing of toughened glass doors (min. 12mm) with below fixtures of size 1070x 2100 mm (approx.)	1	Nos		
	Door Lock				
	Door stopper				
	Floor Machine (design as per load) - Ozone, Hardwyn, Dorset				
	Parch fitting				
	S.S. Handle 12" long (both sides)				

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6 B	<p>FILE STORAGE CABINETS(all inside structure only with HDHMR/EDHMR boards– Century/Greenply/Archidply; for shutters 19mm plyboard with Greenply (ecotec) / Century (sainik) / Archidply (classic)):Providing and fixing the 1'-6" deep storage units. The storage units shall have shutters made in 17mm or more thick boards and finished in laminate of approved shade including top. Laminate to be provided in 1 mm thickness (exterior) and 0.8 mm thick (interior). The storage units shall have intermediate shelves in 17mm or more thick boards with matching wood lipping. Backply to be in thickness 7mm or more thickboards.The storage shall have matching wood edge molding as per the detail drawings. This also includes providing necessary hardware like handles, hinges, locks, tower bolts etc of approved make. All exposed wooden surfaces shall be stained to shade. All exposed wooden surfaces shall be stained to shade. (same for Over Head storage required above Pantry counter.)</p>	200	Sqft.		
7 A	<p>FURNITURE - (specifications for items from 7A to 7B) [only with HDHMR/EDHMR boards– Century/Greenply/Archidply] . All Tables / counters/ work stations to have 17mm or more thick boards top and sides to be with 17 mm or more boards and 1.0 mm laminate finish on exposed surfaces with 0.8 mm thick laminate inside/all the surfaces instead of painting the surfaces / area, drawer units is to be made from 17 mm or moreone side boards with 1.0 mm laminate finish. The drawers to run on telescopic drawer channels. Drawer units to have two smaller and one bigger drawers and locking arrangement (Godrej, ozone, dorma). Foot-rest 75x50mm 2nd class cedarwood member to be fixed for each table the rate to include all hardware such as drawer channels, SS handles etc. The inside of the table to be provided with 0.8 mm thick laminate (White cream shade). The item also includes a tray for key board running on telescopic channel (ozone/hettich), finished with laminate on top and rounded front size 560x450 readymade CPU trolley with castors etc. complete. (EBCO make).</p> <p>All Tables / counters/ work stations to have 17mm or more thick boards top and sides to be with 17 mm or more boards and1.0 mm laminate finish on exposed surfaces with 0.8 mm thick laminate inside/all the surfaces instead of painting the surfaces / area, drawer units is to be made from 17 mm or more thick boards for the front and rear, 11 mm or more boards for sides and 7mm or more thick boards for the bottom with 1.0 mm laminate finish. The drawers to run on telescopic drawer channels. Drawer units (approx. size-400x450x680) to have two smaller and one bigger drawers (or storage below one drawer as required by Bank) and locking arrangement (Godrej, ozone, dorma, hettich). Foot-rest 75x50mm 2nd class cedarwood member (polished) to be fixed for each table the rate to include all hardware such as drawer channels, SS handles etc. Front modesty with 17 mm or more thick boards and 1 mm laminate as per designed in straight / curved shape. The inside of the table to be provided with 0.8 mm thick laminate (White cream shade). The item also</p>				

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	<p>includes a tray for key board running on telescopic channel, finished with laminate on top and rounded front size 560x450 readymade CPU trolley with castors etc. complete. (EBCO make)</p> <p>(above specifications are for items from 7A to 7B)</p> <p>Item 7A - Providing and fixing Manager Table as per main specification but finished in 1 mm laminate in two or more colors. The table size to be 1800x750x750 mm. The item also includes Side cupboard for B.Manager with Laminate finish as per the specifications / design by Bank with size 900x450x750.</p>	2	nos		
7 B	<p>7B - Providing & placing in position BANKING COUNTER TABLE with 750 high x 750MM wide made of 17 mm or more thick boards working top front in straight / curved shape and 1.0 mm laminate finish on exposed surfaces with 0.8 mm thick laminate inside/all the surfaces instead of painting the surfaces / area. Counter items also includes Front modesty with 17 mm or more thick boards and 1 mm laminate as per designed in curved shape as shown in drg. Drawer units to be as specified in MAIN specifications. BUT with divisions for currency as per BANK's instructions, The drawer units to have AUTOLOOKING system for drawers (Godrej). One footrest per occupant, key board tray 560x450 laminate finish, CPU stand All as per MAIN Specifications for tables, counter is finished with 0.8 mm thick laminate (white/cream) inside the counters & drawer units etc, complete to the satisfaction of Architect/Bank.</p>	40	Rft		
	Total (Civil & Interior) =				

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BOQ SPECIFICATIONS OF ELECTRIFICATION AND ALLIED WORKS PART-II						
S.NO		ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
		<u>(A)ELECTRICAL WORKS</u>				
-	-	-				
		<u>ELECTRICAL</u>				
		<u>General specifications</u>				
		The rates for the point wiring shall include providing and fixing of following:				
a.		Wiring of the point of any length from distribution board to point outlet including circuit wiring (i.e from DB to Switchboard)				
b.		Earthing of all switch box and all outlet boxes fitting, fans, 3rd pin of plug with 1.50mm copper wire.				
c.		Modular Switch/ Sockets of Standard make with necessary modular series cover plate and MS Boxes				
d.		Embedding all conduits in walls laying in slabs, above false ceiling or in floors including all accessories as required, cutting and refilling the chases with cement mortar .				
E		Providing, fixing Modular switches, sockets, M.S. boxes (1.6mm thick) draw boxes, G.I. Pull wires (where required), brass screws, ceiling rose/connector etc.				
f		Adopting separate and independent system of wiring for lighting, power (normal and essential supply). Wiring for following points using PVC insulated copper conductor wires of 650V/1100V grade in MMS grade-PVC conduit concealed/ exposed including switches & sockets as above.				
		LIGHT :(Maximum three points to be looped from primary)				
		POWER:(Maximum TWO points in one circuit)				
	1a.	POINT WIRING (For item 1a to 1g) : Providing wiring (supply, fixing, testing and comm. etc) for light point / Exhaust fan point / Call bell point/6A Switch-socket point etc with 2x1.5+1X1.5 sq mm FRLS PVC insulated copper conductor single core multi stranded wire in MMS grade-PVC conduit with conduit accessories like bend , junction box etc in concealed/surface manner as per site requirement with suitable Modular Switches with plate and metal / PVC box, ceiling rose , bulb holder etc including 1.5 sqmm PVC insulated copper earth wire etc complete as required. Wire colors : Red, Black, Green .Supplying, providing wiring (supply, fixing, testing and comm. etc) for circuit with 2 x 2.5 + 1 x 2.5 sq mm FRLS PVC insulated copper conductor single core multi stranded wire in MMS grade-PVC conduit with conduit accessories like bend, junction box etc on surface / recessed manner etc (Wiring from D.B. / Source to Board/destination) and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed Above specifications are for item from 1a to 1g. 1a - Providing and fixing Primary light point	20	Nos.		
	1b	1b- Providing and fixing Secondray light point(Maximum three points to be looped from primary)	35	Nos.		

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1c	1c –Plug point /celing Rose Point (for wall fans/Exhaustfan): Supply, fixing and commissioning of 1 No 6A multi Socket with 1 No. 6A switch (Modular type) with cover plate, sheet steel box / PVC modular box etc on surface / concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc. complete as required as per site requirement and as directed.	25	Nos.		
1d	1d –Providing &Fixing bell point i/c of buzzer	2	Nos.		
1e	1e- 6 AMP. POINTS ON SAME BOARD(Half point) : Supply, fixing, testing and commissioning of 1 No 6 A Multi Socket with 1No. 6 A switch (Modular type) with cover plate , sheet steel box / PVC modular box etc on surface / concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed.	4	Nos.		
1f	1f- Ceiling fan point (rate should include electronic fan speed regulator)	1	Nos.		
1g	1g - Providing and fixing primary point for outside signboard	1	Nos.		
2	16 AMP. POWER POINTS:(including circuit wiring) Supply, fixing, testing and commissioning of 1 No 16 A switch & 1 No. six pin 6/16 Amp. Multi Socket (Modular Type) with cover plate , sheet steel box etc on surface / concealed manner I/c electrical wiring with 2 X4 sqmm + 1 X 4 sqmm FRLS PVC insulated copper conductor single core multi stranded wire in MMS grade-PVC conduit with conduit accessories like bend, junction box etc on surface / recessed manner etc (Wiring from D.B. / Source to Board to destination) and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed.	4	Nos.		
3	AC POINTS :Supply, Installation, Testing and commissioning of the surface / recess mounting distribution board with 20 A Metal plug and socket, with 20 A/25A/32A SP MCB Incl. wiring with 2 X 4.0 sq mm + 1 X 4 sqmm PVC insulated copper conductor single core multi stranded wire in MMS grade-PVC conduit with conduit accessories like bend, junction box etc on surface / recessed manner etc (Wiring from D.B. / Source to Board/destination) and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed.(MCB of C-Curve with S.C Capacity 10 kA)	5	Nos.		

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	5	<u>LIGHT DISTRIBUTION BOARD</u>	1	Nos.		
		Supply, Installation, Testing and commissioning of the surface / recess mounting following way TPN MCB three phase distribution board for single phase outgoing with IP 42 protection , direct on wall incl. the followings accessories				
		INCOMER				
		1 No. TPN-RCBO/ELMCB 63 Amp ,100 ma sensitivity				
		OUTGOINGS				
		10Nos SPMCB 10/16 Amp,B-Curve				
		SET AS ABOVE				
		incl. Electrical connection ,earthing, making good all the damages, painting, cleaning the site, etc complete as per site requirement and as directed.				
	6	<u>AC DISTRIBUTION BOARD</u>				
		Supply, Installation, Testing and commissioning of the surface / recess mounting following way MCB three phase distribution board for single phase outgoing with IP 42 protection , direct on wall incl. the followings accessories	1	Nos.		
		INCOMER				
		1 No. TPNMCB 63Amp ,C-curve				
		OUTGOINGS				
		10Nos SPMCB 25/32 Amp,C-curve				
		SET AS ABOVE				
		incl. Electrical connection ,earthing, making good all the damages, painting, cleaning the site, etc complete as per site requirement and as directed.				
		incl. Electrical connection ,earthing, making good all the damages, painting, cleaning the site, etc complete as per site requirement and as directed.				
	7A	<u>U.P.S. DISTRIBUTION BOARD</u> (specification from 7A to 7B) -				
		Supply, Installation, Testing and commissioning of the surface / recess mounting following way Double door MCB D.B.- Single phase distribution board (Consumer unit) for single phase out going with IP 42 protection incl. the followings accessories – incl. Electrical connection ,earthing, making good all the damages, painting, cleaning the site, etc complete as per site requirement and as directed.	1	Nos.		
		INCOMER				
		1 NO 63A DP MCB				
		OUTGOINGS				
		2 Nos- 63Amp DP MCB				
		SET AS ABOVE				

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	7B	<u>UPS DIST. BOARD OUTGOINGS.</u>	1	Nos.		
		1 NOS 12 WAY SPN DIST BOARD OR bigger Size as per Requirement.				
		1 Nos- 63 Amp DPMCB				
		8NOS 10/16 AMP SPMCB				
		SET AS ABOVE				
	8	<p><i>SPECIAL POINTS: (UPS) any length(TO WORKSTATIONS)(Maximum TWO points in one circuit)</i>Supply, fixing, testing and commissioning of following Modular type switch socket with cover plate , sheet steel box etc on surface / concealed manner I/c electrical wiring with 2 X 2.5 sq mm + 1 X 2.5 sq mm FRLS PVC insulated copper conductor single core multi stranded wire in rigid MMS grade PVC conduit with conduit accessories like bend, junction box etc on surface / recessed manner etc (Wiring from D.B. / Source to Board/destination) and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed.</p> <p>1 Nos. 16 A Switch + 3 Nos. 6 A, 5 pin Socket.</p>	15	Nos.		
	9	<p><u>EARTHING:</u> Copper Chemical Earthing - Supply, Installation, Connection, Testing and Commissioning of maintenance free heavy duty pure electrolytic copper chemical earthing electrode of 50 mm dia., wall thickness 14 gauge and 3 meter length (as per site conditions) with internal strip of copper (25x6)mm along with 60 kg bag of Back fill compound (highly conductive, non-corrosive moisture retaining chemical) complete with excavation , civil works including top 300 mm deep one brick thick masonry chamber & good quality soil, water pouring arrangements with cast iron cover and with arrangements for fitting/termination of G.I. flats/wire with G.I. nut bolts. The voltage between Neutral and earth not to exceed 0 Volts and IR value less than 1 ohm. The earth resistance shall be as per IS 3043.</p>	1	set		
	10	Supply and laying of 6.0 sqmm PVC insulated copper wire from earth station to main panel board in 20 mm GI Pipe including all materials, accessories etc complete.	100	Mtrs.		

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<u>CABLING :</u>						
	11a	L.T.CABLES (specs from item 11a to 11c) :				
		Supply,laying ,testing and commissioning of the following 1100 volt grade pvc insulated Al / Cu. Conductor armored cable inner and outer sheathed , along with the two run of G.I.earth wire i/c termination with brass gland and Al. lugs etc. complete as required.				
		On surface :				
		S/Fixing the cable on wall / column / beam / ceiling / above false ceiling / existing trench etc incl. s/f of of saddles / spacers (wherever required as per site conditions) and two run of G.I. earth wire along with the cable. Making good all the damages				
		Item 12(a)- 3.5/4 C X 50sqmm. Al. Armored from electric pole to METER ROOM	15	Mtrs.		
	11b	4 C x 16.0 sqmm. armoured copper cable (including earthing wire as per specifications) for Electric room /Ups room	15	Mtrs.		
	11c	2 C x 10.0 sqmm armoured copper cable (including earthing wire as per specifications) for Electric room /Ups room	30	Mtrs.		
	12a	TELEPHONE POINT : Supplying, Installation, testing and commissioning of the telephone point with the followings -				
		Two pair, 0.61 mm dia. telephone cable tinned copper conductor, P.V.C. insulated and sheathed , fire retarding, anti termite, color coded twisted pairs and rip cord.				
		HMS Pvc pipe on beam /column / wall / flooretc with all necessary materials i/c connections, identification by numbering etc complete as required as per I.T.D. specification.				
		Specifications for item nos. 12(a)&12 (b)				
		Item 12 (a)- 12 (a)- Single outlet with shutter modular type Telephone Outlets (RJ – 11) with suitable size PVC modular boxes complete as required .	6	Nos.		

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	12b	12 (b) - Providing and fixing 20pair KRONE make telephone tag block with 20 pair module with termination and crimping complete and making good the surface as required/ directed.	1	Nos.		
		COMPUTER CABLING SYSTEM- <u>DATA CABELING WORKS.</u>				
	13	Supplying, Installation, testing and commissioning of the Computer point with the followings complete in all respect including I/O ports, data cabling, RJ-45 etc. all accessories) -	15	Nos.		
		Four pair CAT 6 LAN cable tinned copper conductor, P.V.C. insulated and sheathed , fire retarding, anti termite, color coded twisted pairs and rip cord. (from server room switch to I/O outlet)				
		HMS Pvc Pipe on beam /column / wall / floor etc with all necessary materials i/c connections, identification by numbering etc complete as required as per At & T specification.				
		Single outlet with shutter modular type I / O's Outlets (RJ – 45) with suitable size PVC modular boxes all complete as required				
	14a	ELECTRICAL FITTINGS/FIXTURES: Supply, fixing, testing and commissioning of Recess mounted decorative luminaire with LED FIXTURES (Philips / Wipro) with class I electrical safety, complete as required Fitting Dimensions : Specifications for item from 14(a) to 14 (d) Item 14 (a) – 32-40 watts,Minimum 2800 lumens LED SQUARE size 600X600X80 mm (Approx.) : CRI>80,PF>0.9 (Philips/Wipro)	25	Nos.		
	14b	14-15 w ,Minimum 850 lumens LED ROUND DOWN LIGHTER Diameter 110-165mm,CRI>80,PF>0.9 (Philips/Wipro)	12	Nos.		
	14c	1 x 25w LED Tubelight with all accessories (Philips/Wipro)	8	Nos.		
	14d	<u>WALL BRACKET FAN:</u> Supply and fixing of the following fans Wall bracket fan white (400mm blade size)	6	Nos.		
		TOTAL (ELECTRICAL & ALLIED WORKS) =				

PRICE BID (TO BE FILLED ONLY IN ONLINE MODE)

AC LOW SIDE WORKS					
S.No.	Item/Description	Quantity	Unit	Rate	Amount
1	Supplying & Laying suitable Copper refrigerant piping as per manufacturer at any height with all required material insulated with 13 mm nitrile rubber of class 'O' & supports and concealed inside wall by chipping in brickwork / RCC wall and refilling the surface by mortar and any other civil work complete with all accessories as required. The rate is inclusive of material and labour complete in all respect.	75	Meters		
2	Minimum 25mm dia. or higher size as per OEM, insulated Heavy-duty drainpipe for various units in total clamping manner above false ceiling and in total concealed manner below false ceiling level with including all necessary civil work required. The same shall be laid in proper gradient and shall be tested to avoid any leakage before concealing the same. The rate is inclusive of material and labour complete in all respect.	60	Meters		
3	Supplying & Laying of three/four core 2.5sqmm or as per OEM whichever is of higher size copper electrical power / control cable as required from indoor to outdoor suitable for 1/1.5ton split AC. The rate is inclusive of material and labour complete in all respect.	90	Meters		
				Total=	

Discription	Total Cost (in Rs.)
Civil &Interior Works	
Electricals, Data & Allied Works	
AC Low Side Works	
Total Amount	
Total In Words:	

Above rates and amounts are excluding GST and GST as applicable shall be charged extra.