

PUNJAB AND SIND BANK					
(CIRCLE-GURUGRAM)					
BOQ OF INTERIOR AND RENOVATION WORK AT PUNJAB AND SIND BANK BRANCH AT BHIWANI					
S.No.	Description of Item	Unit	Qty	Rate	Amount
1	<b>LOW/FULL HT PARTITION</b> Partition 1200 to 2400mm Ht.: Providing and fixing in position full ht. partition made out of GI frame with C Channel stud with top, bottom & end channel being 50mm thick and intermediate channels 48mm thick with intermediate spacing of 600 mm centre to centre horizontally as well as vertically. Frame to be covered with 12mm MDF Board of approved make and finished with 1.00 mm laminate of approved make & shade and complete with hardware, glue etc. of approved make complete as per drawing and as directed by Bank or its Architect. Framing of the partition to be erected upto Beam/slab bottom , however plywood & laminate to be pasted upto false ceiling height.Measurement will be upto false ceiling height only. If the GI frame is not available wooden	sqm	53.77		
2	<b>DOOR FRAM</b> Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length i/c hold fast lugs or dash fastener as required Second class teak wood/steam beach wood	cum	0.3821		
3	<b>DOOR</b> Flush Door : Providing and fixing in position single leaf flush door made out of 35mm thick IS 1659:1990 BWR grade Block board of approved make with 1.0mm thick laminate of approved make & shade on both sides, T.W. lipping on edges, polished, heavy brass hinges, handles, tubular lock, latches, door closer, etc. of approved make complete as directed. Work to be completed as per drawing and as directed by the Bank	sqm	5.90		
4	Providing and fixing S/S Tower Bolt 200mm long	each	6.00		
5	<b>DOOR CLOSER</b> Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	each	5.00		
6	<b>LOCK</b> Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever	each	3.00		

7	<b>PANELLING</b> Panelling on columns/walls with pine wood frame work of 45x45mm (fixed to wall with wooden plugs) @ not more than 2'-0" c/c both sides vertically and horizontally, covered with 9mm thick particle board and laminate on both faces with grooves as per pattern, steam-beech/MDF moulding 1 1/2" X 1 1/2" on corners edges and junction with wall or any other junctions, 3" skirting laminated, complete with making openings for switch boards of required sizes providing battens around opening. spirit polish on all the wood surfaces and grooves to be finished with paint of approved shade.	sqm	120.5		
8	<b>GYP BOARD FALSE CEILING</b> Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm				

	including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge				
	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- Part	sqm	48.50		
9	<b>TILED FALSE CEILING</b>				
	Providing and fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors				

	Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed				
	12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fibre conforming to IS: 2095 part I, of size 595x595 mm, having perforation of 9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an NRC ( Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing.	sqm	87.56		
10	<b>FIX GLASS</b>				
	Providing & fixing main entrance side door glass of glass frameless 12mm thickness (impact resistant) toughened with pencil edge all around including fixing with suitable S/S fittings or fixed in groove with silicon	sqm	12.56		
11	<b>TOUGHENED GLASS DOOR</b>				
	Providing and fixing at site Main entrance toughened glass door frameless 12.0mm thick Glass single leaf glass shutter of impact resistance glass with pencil polish edges all around.The door shall be made up of 3' 6" wide or as specified single panel glass shutter, shall be provided with main entrance door as per given design with handles Brush finished Stainless steel, 1' 6"x1" dia SS handle.The door shall be fixed with patch fitting assembly inclusive of top & bottom patches, floor spring, lock, to be fixed in the glass shutter, the cost shall include all necessary fittings, and labour,	sqm	5.25		
12	<b>OFFICER TABLE</b>				

	Officer Table (1220X 750 X 750 mm Ht): Providing in position manager table as per the drawings made out of 19mm thick IS 303 MR grade plywood of approved make for top sides & Front Apron. Table Top & sides exposed surfaces to be finished with 1 mm laminate of approved make & shade and internal surfaces finished with 3 coats of enamel paint. table to be provided with a metal Keyboard tray. The edges to be finished with PVC Edge Banding tape. Table to be provided with one three unit Drawer made out of 12mm thick IS 303 MR grade plywood of approved make with necessary lock, drawer channel & other hardware of approved make, drawer to be externally finished with 1.0mm thk. laminate of approved make & shade and internal surfaces finished with 3 coats of enamel paint of approved shade and complete as per drawing and as	each	7.00		
13	<b>TABLE MANAGER</b> <b>Branch Manager (1830X 910 X 750 mm Ht):</b> Providing in position manager table as per the drawings made out of 19mm thick IS303 MR grade plywood of approved make for top sides & Front Apron. Table Top & sides exposed surfaces to be finished with 1mm laminate of approved make & shade and internal surfaces finished with 3 coats of enamel paint. table to be provided with ametal Keyboard tray. The edges to be finished with PVC Edge Banding tape. Table to be provided with one three unit Drawer madeout of 12mm thick IS 303 MR grade plywood of approved make with necessary lock, drawer channel & other hardware ofapproved make, drawer to be externally finished with 1.0mm thk. laminate of approved make & shade and internal surfaces finished with 3 coats of enamel paint of approved shade and complete as per drawing and as directed by Bank or its Architect.	sqm	1.00		
14	<b>SIDE TABLE</b> <b>Side table cum storage (1060 x 450 x 750mm):-</b> Providing in position side table cum storage as per the drawings with Top,Bottom and sides made out of 19mm IS 303 MR grade plywood of approved make. Mid level shelf & shutters made out of 12mm IS 303 MR Plywood of approved make and Back of table cum storage made of 8mm IS 303 MR grade plywood of approved make including all necessary hardware, glue etc as per approved make. External surfaces to be finished with 1mm laminate of approved make & shade and internal surfaces to be finished with 3 coats of enamel paint of approved shade . Edges of the table Cum storage to be finished with Edge banding tape. Work to be completed as per drawing and as directed by Bank or its Architect.	each	7.00		
15	<b>CASHIERS COUNTER</b>				

	Counter for Cashiers (4'6" inches wide) : Providing in position cashier counter as per drawing with solid partition on three sides 2440 mm high. Partition made with GI frame with C Channel stud with top, bottom & end channel being 50mm thick and intermediate channels 48mm thick with intermediate spacing of 600 mm centre to centre horizontally as well as vertically. Frame to be covered with 6mm IS 303 MR Grade Plywood of approved make and finished with 1.00 mm laminate of approved make & shade. Front side of the counter have solid partition upto 1370mm high and solid 8mm thick toughened glass above it till total height of 2440 mm with a cut out made for cash exchange. A customer counter top of 200 mm wide at height of 1370mm made out of 12mm thick IS 303 MR grade plywood of approved make finished with 1.0mm thick laminate of approved make & shade on outside, Cashier counter inside to be made of 19mm thick IS 303 MR grade plywood of approved make for top, sides, apron etc. The table to be finished with 1.00mm laminate of approved make & shade on outer surfaces and with approved shade of enamel paint on	sqm	2.20		
16	<b>COENER GLASS</b>				
	Providing and fixing 10mm thick glass(toughened) corner shelves with stainless steel cleats not less than three on one side. The side of shelf 750mm. The curved edges shall be half rounded and polished.	each	2.00		
17	<b>ATM</b>				
	Providing and fixing fixing 12mm thick glass (toughened) partitions of size 1060mmX1500mm with stain less steel cleats or supported by vrical S/S	each	1.00		
18	<b>CENTRE TABLE</b>				
	Providing Centre Table of size 450mmx900mm, made of 19mm thick commercial board top with imm thick laminate and teak wood lipping arround. The top shall be fixed on stand made of 75x75mm (round) legs and frame of 74x35mm teak wood. All the exposed surfaces to be finished with melamine polish.	each	1.00		
19	Providing slip writing table made of 19mm Commr Board with 1mm thick laminate, with slip pockets and writing top of 8mm thick toughened glass, teak wood/ PVC beading and lippings on exposed surfaces all as per drawing	each	2.00		
20	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :				
	New work (two or more coats) over and including water	sqm	275.00		

21	Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour	sqm	100.00		
22	<b>CREDIT ITEM (to be paid to bank)</b>				
	Dismantalling the existing, False ceiling, counters, partitions, panelling etc and disposal of the dismantled materials . After meeting the expenses on all operations, the contractor has to pay the Bank.	LS	Job		
	<b>TOTAL OF FURNISHING</b>				
<b>BOQ OF ELECTRICAL WORKS</b>					
1.0	<b>Sub-Head-I : Circuit Cum Point Wiring</b>				
1-a	<p>New Light/FAN point {Single}</p> <p>P &amp; F light point complete with 5/6A modular one way switch with FRLS PVC insulated 2x1.5sq.mm insulated /1100 v grade copper conductor wires and 1.5 sq.mm earth in concealed / surface using PVC 20mm/25mm/32mm dia conduits of minimum wall thickness 1.6mm, accessories such as bends , tees ,saddles draw boxes, mounting boxes, inner plates, cover plates, ceiling rose etc all modular type {wherever required } and plugs etc. NO flexible conduits will be allowed .the curcuit wiring starts ffrom DB to point control box /switch box</p> <p>Note:-</p> <p>The above include supply &amp; fixing modular cover plates,base plates,MS box /gang box in brick wall by making necessary chase / recess and making good the same All switches ,sockets and accessories must be modula. Each circuit shall have independent earth wire.ciricuit wiring to be included on the point wiring rates ciricuit wiring to be carried out using 1100V FRLS pvc insulated wire of minimum conductor size 2.5 sq mm All the wiring shall be carried out in recessed conduitsunless instructed by Engineer in</p>	Each	30.00		
1-b	<p>New Light/Fan point {Double}</p> <p>P&amp; F two light points controlled by one switch complete with 5/6A modular one way awitch with FRLS PVC insulated 2x1.5sqmm insulated 1100V grade copper conductor wires and 1.5sq mm earth wire in concealed/ surface using PVC 20mm/25mm/32mm dia conduits of minimum wall thickness 1.6mm accessories such as bends, tees, saddles ,draw boxes mounting boxes ,inner plates ,ceiling rose etc. all modular type {wherever required} and plugs etc . No flexible conduits will be allowed .The cricuit wiring starts from DB to point control box/ switch box</p> <p>Note:-</p> <p>The above include supply &amp; fixing modular cover plates,base plates,MS box /gang box in brick wall by making necessary chase / recess and making good the same All switches ,sockets and accessories must be modular. Each circuit shall have independent earth wire.each point shall be earthed . ciricuit wiring to be included on the point wiring rates. ciricuit wiring to be carried out using 1100V FRLS pvc insulated wire of minimum conductor size 2.5 sq mm. All the wiring shall be carried out in recessed</p>	Each	20.00		

2	<p>New 15/16A power point using 3x4 sq mm wire in recessed conduits:-  Supply, fixing ,testing and commissioning of no 16A switch &amp; 1NO. Six pin 6/16 Amp multi socket {modular type } with cover plate , sheet steel box etc on surface /concealed manner l/c 3x4 sq mm 11100V grade FRLS PVC insulated electrical wiring in PVC conduit {heavy duty} conduit with minimum wall thickness 1.6 mm with couduit accesssoies like bend juction box etc on surface /resesed manner etc {wiring from D.B./ source to board /destination } and making good all the damages, painting, cleaning site etc complete as required as per site requirement and as directed .  Note:-  The above include supply &amp; fixing modular cover plates,base plates,MS box /gang box in brick wall by making nesssry chase / recess and making good the same. All switches ,sockets and accessories must be modular All new point must be provided in concealed/recessed conduit unless directed by</p>	each	25.00		
3	P/F Primary UPS point in PVC conduit {Heavy duty} wired with 2x2.5 sq mm insulated copper wire along with 1x2,5 sq mm PRFL pvc insulated wire for earthing including bends , nipples ,junctions, M.S switch boxes each to have 3 Nos 6A 5 pin all modular type sokets controlled by 1x16A switch complete , as required and	each	25.00		
4	<p>3X6 sq mm submains wiring:-  P &amp; F 3 runs of 6 sq mm PRLS PVC insulated 1100 V grand copper conducotr wires and earth wire in concealed manner / surface using PVC requirde runs of 25mm/32mm dia conduit with minimim wall thicknezz 1.6 mm accessories such as bends ,tees, saddles ,draw boxes , mounting boxes ,inner plates ,cover plates ,ceiling rose etc .{no flexible conduit will be allowed} in the following sizes . The above including making nesssry chase in</p>	mtr	35.00		
5	<p>4x10 sq mm +2x10 sq mm earth wire:-  P&amp; F 4+2 runs of 10 sq mm PRLS PVC insulated 1100 v grade copper conductor wire and earth wire in concealed manner /surface using PVC required runs of 25mm/32mm dia conduits with minimum wall thickness 1.6 mm accessories such as bends ,tees , saddles , draw boxes , mounting boxes ,inner plates ,cover plates ,ceiling rose etc {no flexible conduits will be allowed }in the following sizes. The above includes making necessary chase in</p>	mtr	40.00		
6	Wiring of AC points with 2x6+1x2.5 sq.mm PVC insulated stranded Cu. Conductor wires in ISI marked medium grade PVC conduits above ceiling including cost of conduits, wall chases complete as required including providing metal clad socket with SPMCB in sheet steel enclosure (one point per circuit, circuit shall not be paid extra).(FRLS type approved make wires to be used)	each	8.00		
7	2.10 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	Single pole	each	40.00		
8	supply and fixing call bell/buzzer suitable for AC single fphase 230	each	1.00		



9	<p>New telephone point:-  Supplying ,drawing, testing and commissioning of telephone point with RJ-11 suitable size IO box with 0.61 mm dia .telephone cable tinned copper conductor ,one pair cable { any length} in PVC heavy duty conduit of minimum wall thickness 1.5 mm with conduit accessories like band. junction box etc on surface /recessed manner etc { wiring from D.B source to destination } and making good all the damages , painting , cleaning the site etc complete as required as per site requirement and as directed .</p> <p>Note  The above include supply &amp; fixing modular cover plates,base plates,MS box /gang box in brick wall by making necessary chase / recess and making good the same All switches ,sockets and accessories must be modular All new points must be provided in concealed/ recessed conduit unless directed by engineer in charge.</p>	each	12.00		
10	Supply, installation, testing and commissioning of following krone type tag blocks enclosed in MS enclosure of suitable size with				
a	20 pair Tag block	No	1.00		
10	Supply, laying, testing and commissioning of following size of 0.61mm dia copper conductor multi pair Armoured telephone cable as per suitable for indoor telephone wiring conforming for ITD S/WS - 113 C and S/WS - 114 (actual qty. may vary as per site) in existing conduit/ trench/ tray.				
a	20 pair Cable	RM	60.00		
3.0	<b>Su-Head-III : Lighting Fixtures/ Fan</b>				
i.	Fixing recssed mounted FL/CFL light fixers available with the Bank including wiring , testing and commissioning complete as required.	Each	40.00		
ii.	Fixing surface mounted FL/CFL light fixers,wall fan, exhaust fan etc available with the Bank including wiring , testing and commissioning complete as required.	Each	30.00		
4.0	<b>Sub-Head -III : L.T Cables</b>				
i	Supplying & making of end terminations with brass compression gland and Al. lugs for following sizes of PVC insulated and PVC sheathed/ XLPE Al. conductor cable of 1.1 KV grade as required.				
a	3.5C x 95 sq.mm.	Mtr	25.00		
5.0	<b>Sub-Head-V: Distribution Boards</b>				
i.	Supplying and fixing following way, single pole and neutral, prewired.sheet steel MCB distribution board, 240/415 volts, on surface/ recess, complete with loose wire box terminal blocks duly pre-wired with suitable size FR PVC insulated copper conductor up to terminal block,tinned copper busbars, nutral link, earth bar, dinbar, detachable gland plate , interconnections including phosphatized and powder painted including earthing etc. as required.(But without MCB/RCCB/Isolator)				
a.	2 + 4 way/ 6 way , Double door	Each	2.00		
b.	2 + 8 way/ 10 way , Double door	Each	2.00		
ii	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commission				
a	20/25/32 amps	Each	4.00		
iii	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning				
a	40 amps	Each	2.00		
b	63 amps	Each	2.00		
iv	Supplying and fixing 25/32 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve SP MCB in sheet steel enclosure				

v.	Supplying & fixing following rating 415 volts, Four Pole MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	40 amps	Each	2.00		
b	63 amps	Each	2.00		
vi.	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	40 amps	Each	2.00		
a	63 amps	Each	2.00		
vii.	Providing & fixing of M.V. danger notice plate of 200 mm x 150 mm, made of mild steel, at least 2 mm thick, and vitreous enamelled white on both sides, and with inscription in single red colour on front side as required.	Each	1.00		
viii	Designing fabricating, installing and commissioning of floor / ceiling junction box fabricating out of 2 mm thick C.R.C.A steel sheet in following sizes with cover plate of 3 mm thickness painted from inside as well as outside with proper knock outs for conduit:				
a.	150 mm x 150 mm x 60 mm	Each	6.00		
b.	200 mm x 250 mm x 60 mm	Each	6.00		
<b>6.0</b>	<b>Sub-Head- VI- Earthing and Lightning Conductor System</b>				
i.	Earthing with chemical filled earthing electrode of GI pipe dia 48mm and minimum length of 3m including boring in soil, dismantling floor/cement concrete, if any, filling the chemical around the pipe and surface chamber of standard size complete..	Sets	2.00		
ii	Providing and fixing 6 SWG dia GI Wire at 0.5 meter below ground level for conductor earth electrode including connection with G.I thimble etc. as required.	Mtr	30.00		
iii	Providing and fixing 25mm x 5mm GI Strip on surface or in recess for connections etc. as required.	Mtr	30.00		
vi	Providing and fixing 6SWG dia GI Wire on surface or in recess for loop earthing as required.	Mtr	45.00		
<b>7.0</b>	<b>Sub-Head-VII : MV Panels</b>				
	Design, Fabrication, Supply, Erection, Testing and commissioning of Powder coated Main Distribution Panel fabricated out of 14 gauge CRCA sheet steel in cubical, compartmentalised, free standing floor /wall mounted, dust and vermin proof, with reinforcement of suitable size angle iron, channel, T-iron or flats as required. Cable gland plates shall be provided on top as well as bottom of the panels. Panels shall be treated with all anti-corrosive process before painting as per specification. Panels shall be suitable for 415V, 3-Phase, Four wire, 50 Hz supply complete with earth bus and lifting hooks as required in case of large panels. Approval shall be taken for each panel before fabrication. (All hardware like nuts and bolts used shall be Galvanized and Zinc				
i.	<b>MDB (Ground Floor)</b>				
	<b>INCOMER</b>				
	2 nos. 160A 415V, 4P MCCB of 25kA with O/C, S/C & E/F release.				
	1 nos. 160A 415V, 4P ON load change over switch with On indication Lamps..				
	2 no. Digital multifunction meter (V+A+kWH) with a set of cast resin CTs 160/5A.				
	2 Set of phase indicating lamp with MCB.				
	<b>BUS BARS:</b>				
	300A TPN bus bars of aluminium alloy.				
	<b>OUT GOING:</b>				
	2 nos. 25A 240V, DP MCB of 10kA.				
	2 nos. 40A 415V, 4P MCB of 10kA.				
	5 nos. 63A 415V, 4P MCB of 10kA.				
	1 nos. 63A 415V, 4P MCCB of 16kA.				
	<b>Supply Receiving, fixing, testing &amp; commissioning of MDB as described above</b>	Set	1.00		

ii.	<b>MCCB Enclosure</b>				
	Supplying and fixing of following size of MCCBs of 25 KA in sheet enclosure including drilling holes on the wall/ board complete with connection, earthing the body etc. as required. (Near Energy 160Amp 4P MCB.				
		Sets	1.00		
iii.	<b>SDB (UPS)</b>				
	<b>INCOMER</b>				
	1nos. 63A 415V,4P MCB of 10kA.				
	1 Set of phase indicating lamp with MCB.				
	<b>BUS BARS:</b>				
	100A TPN bus bars of copper.				
	<b>OUT GOING:</b>				
	3 nos. 20/25A 230V, DP MCB of 10kA.				
	1 nos. 32A 415V, DP MCB of 10kA.				
	2 nos. 40A 415V, DP MCB of 10kA.				
	<b>Supply Receiving, fixing, testing &amp; commissioning of SDB as described above</b>	Set	1.00		
<b>LIGHT FIXTURE</b>					
	Supply of following fans & Light fittings with <b>Electronic Ballast (THD&lt;10%, HF-P)</b> , starter, control gears, lamps holder, transformer etc. as called for and flexible wires as required for fixing including providing of Lamps as required.				
1	Providing and Fixing 15 watt recessed mounting LED down light including wiring , testing and commissioning complete as required.	each	25.00		
2	Providing and Fixing 600x600 modular recessed mounting LED luminaire including wiring , testing and commissioning complete as required.	each	20.00		
3	1 x 28 watt surface/wall mounted TL5-28W fluorescent light fixture complete with all accessories	each	4.00		
4	Wall Mounted Fans Bracket fans sweep 500 mm	each	7.00		
5	Exhaust fan with louver and with 3 core flexible wire (Havells model No. Ventil Air - DS)				
a	300mm 1400 RPM	Each	2.00		
<b>TOTAL OF ELECTRICALS</b>					
<b>BOQ VOICE, DATA NETWORK, OUTLET BOXES, MS CHANNEL AND CONDUITS</b>					
1)	Supplying and fixing in position MS anodised box for data outlet including supply and fixing of RJ 45 jack complete as required. D link	Nos	14.00		
2)	Supplying and laying, fixing in position following sizes of medium duty PVC conduits including providing all accessories concealed/ exposed as required.				
a)	25 mm dia Heavy duty FRLS PVC conduit	RM	65.00		
3)	Supplying and laying of CAT 6E Data cable in conduit	RM	450.00		
4)	Supplying and drawing the following sizes of anealed tinned electrolytic copper conductor PVC insulated unshielded twisted telephone wires in existing conduit and making connection on both the ends.				

5)	Supplying and fixing in position MS anodised box for voice outlet including supply and fixing of RJ 11 jack complete as required.	Nos	16.00		
6)	Patch cord 1.5 mtrs with RJ 45 jack D Link	Nos.	16.00		
7)	12U Rack 9( D Link)	Nos.	1.00		
8)	24 port Switch ( d Link)	Nos.	1.00		
9)	JACK Panel	Nos.	1.00		
<b>TOTAL OF VOICE OR DATA</b>					
<b>BOQ OF AIR CONDITIONG</b>					
	Air-conditioning work to include providing, fixing, testing, commissioning, indoor & outdoor . The outdoor units to be mounted on M.S frame on outside. Any expenses involved in clearence that may have to be taken shall be included in the rate. The work includes all necessary civil, minor carpentary works. The Brands to be Voltas,Hitachi, Carrier, Daikin & Panasonic				
1	Dismantalling and Re-installetion Split/Window Acs of 1.0T/1.5T inclusive of servicing and re-charging the ref-gas. (Copper pipe and connecting cable to be paid separately.	No	4.00		
2	<b>Copper refrigerant piping with 6mm expanded polythene tubelar insulation(only single distance will be measured</b>				
a	1.0-1.5 TR HWM Split A.C Unit (Beyond 3.5 Mtr.)	Mtr.	70.00		
3	<b>Electrical interconnecting cabling (only single distance will be considered)</b>				
a	1.0-1.5 TR HWM Split Unit (Beyond 3.5 Mtr.)	Mtr.	60.00		
4	<b>Drain Piping</b>				
a	Drain piping- Hard PVC pipe of diameter ( 25mm) with 6 mm expanded polythene tubelar insulation	Mtr.	55.00		
5	<b>Cutting chases in walls for passing the AC pipes and making good the same</b>	Mtr	50.00		
6	24 Hrs programmable TIMER	No	1.00		
<b>Total of A.C Works</b>					