

CANARA BANK					
BOQ FOR FURNISHING & ELECTRICAL WORKS SECTOR 35 B BRANCH 1625					
S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	Note:-				
i	The work to include all demolishen and diposal, shifting of furniture, false ceiling, brick work etc. as required, no extra payment will be given for this item.				
ii	The work to include shifting / reshifting etc. (including wiring arrangements) as required to be done , on day to day basis, for branch functioning, no extra payment will be given for this item.				
iii	The whole of the work shall be thoroughly inspected by the contractor and deficiencies & defects, if any shall be set right. On completion of such inspection, the contractor shall inform the Bank that they have completed the work and it is ready for inspection.On completion the contractor shall clean all the area and its surroundings, equipment etc. and will leave the entire area clean and ready for immediate usage to the satisfaction of the Bank.				
iv	Rates to include all demolishen and diposal, scaffolding, carriage of materials to and from the site in lead of beyond 5 kms, and working in a				
v	Wire Routing provided through the walls / floor / roof etc., rates to include cutting of wall and refinishing the same finely complete.				
vi	Points include complete length of wiring, conduiting and accessories upto designated places as per the design and drawings.				
vii	Electrical contractor shall have to make the layout for cutting of lights etc. at site.				
viii	All newly done electrical wiring/ DB/points/ earthing etc. will be used as per instructions of architect/ engineer.				
A. FURNISHING WORK:-					
1	GYPSUM FALSE CEILING				
	A) P&F false ceiling with Gypsum Board 12.5mm thick fixed to a metal frame comprised of ceiling channel of size 80mm X 26mm X 0.5mm @ every 450 cms centres, inter channel 45mm X 15mm X 0.9mm @ every 1220mm centres, perimeter channel 20mm X 26mm all along the wall, strap hanger suspendeds 25mm X 0 5mm with nuts and bolts 6.4mm x 12.7mm, connecting clip 2.64mm thick, dry walls screw 25mm long , soffit cleat. 27mm X 37mm X 25mm X 1.6mm thick and dash fasterner/ rawl plug 12.5mm dia X 35mm long with 6mm dia bolt. The joint of gypsum board to be taped 3 times and sealed with jointed compound with three coat plastic emulsion paint finished. Coves & Cut-out be provided to accommodate luminaries, air conditioning grills and fire warming detectors if any. The rate to include two or more coats of approved paint after preparing the surface. All fitting to be separately hung from the ceiling and should not rest on the false ceiling. (Only Plan area considered for payment)	S.FT	1187.13		
2	GRID FALSE CEILING				
	The grid false ceiling shall be provided as per approved design & drawing. The minimum height of the ceiling cavity should be 100mm. All service fittings integrated within the suspended ceiling must be independently supported from the ceiling grid by a structure designed for the purpose. Ceiling tiles Shall be Armstrong Fine fissured Classic lite RH99 of 16mm thickness. Suspension system Shall be of Armstrong Trulok Silhouette reveal profile grid system with 15mm flanges incorporating 3mm central recess in global white with black reveal. Silhouette main runners and cross tees to have mitred ends and "birdsmouth" notches to provide mitred cruciform junctions. Installation Main runners will be placed at 1200mm centers securely fixed to the structural soffit by approved hangers at 1200mm maximum centers and not more than 150mm from spliced joints. The last runner at the end of each main runner should not be greater than 600mm from the adjacent wall. 1200mmm long cross tees to be interlock between main runners at 600mm centers to form 1200x600mm modules. Cross tees longer than 600mm require independent support. 600x600mm modules to be formed by fitting 600mm long cross tees centrally between the 1200mm cross tees. The 1200mm cross tees to have central "birdsmouth" notches to facilitate fitting of 600mm cross tees. The perimeter trim to be Armstrong Trulok equal wall angle of white color secured to walls at 450mm maximum centers	S.FT	1500.00		
3	LOW HEIGHT PARTITIONS				
	Providing & fabricating & fixing of low height partition made out with Aluminium Section framework consisting of 2"x 1" sections placed at minimum 2'-0" x 2'-0" horizontal & vertical (as per site requirement) with 9 mm HDHMR MDF finished with 1 mm thick high gloss laminate (of approved shade) on both sides (as approved). Partition will be 4'-6" high (as per design) with 12 mm thick toughened glass clear including frosting /etching as per design fixed with T.W beading with with polish finish. Top & other edges / sides finished with T.W. beading with . All sides of partition finished with high gloss laminate & necessary hardware approved & edges finished with T.W. beading with with melamine polish finish. 12 mm toughened glass will be supported by box pillar made out of 12 mm IS 303 HDHMR MDF with support of Aluminium Section. With all side high gloss laminate & T.W. beading finished with with polish finish as per design.Top edge of 12 mm toughened glass will be with diamond cut & diamond edge polish includes making required cut out. including all necessary required hardware ,fitting as per approved by architect/engineer in incharge..	SFT	180.00		

S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
4	FULL HEIGHT SEMI GLAZED/SOLID PARTITION				
	Providing & fabricating & fixing of low height partition made out with Aluminium Section framework consisting of 2" x 1" sections placed at minimum 2'-0" x 2'-0" horizontal & vertical (as per site requirement) with 9 mm HDHMR MDF finished with 1 mm thick high gloss laminate (of approved shade) on both sides (as approved). Partition will be upto false ceiling level with framing section screwed to rcc slab, walls and floor in chemical grout as per approved design .Providing 10mm toughened glass with Frosted Film . Glass fixed with Teak wood beading with Melamine Polish ,grooving pattern as per design.including all necessary required hardware and fitting as per approved by architect /engineer incharge. The item includes supply & fixing of flush door shutter with necessary hardwares, door stopper, tower bolt & mortise lock of approved matke. All exposed surface covered with teak lipping 6mm thk as required with polish finished. the work should be completed in all respect as perspecification & satisfacation of Architect.	S.FT	684.00		
5	FULL HEIGHT SOLID PARTITION WITH BISON PANEL				
	Wooden Partition Low Height : Providing fabricating & fixing of partition up to the level of 4'-6" ht. with frame work made of 2 mm thick Aluminium tube frame size 50x50mm. The sections are placed @ 600 x 600 mm c/c both ways & additionally at openings or ends as required. Sections are joined by Aluminium angle cleats and the frame is fixed to wall, floor with suitable aluminium angles and fastened with steel screws.(as per site requirment) Frame work shall be fixed with 9 MM thick HDHMR MDF on both side finished with 1mm thk. high gloss laminate in approved colour, Patern and size with bands & combination with grooves etc. as per details. The sides/top shall be finished with teak wood beading with Pseude finish finish . This partition will be 3' ht. with up to 18" ht.10mm thick toughened etched glass. Partition including chowkhats for flap doors, door & to be fixed with all hardware, tower bolts, stoppers in brass etc complete fine finish. The item includes supply & fixing of flush door shutter with necessary hardwares, door stopper, tower bolt & mortise lock of approved matke. All exposed surface covered with teak lipping 6mm thk as required with polish finished. the work should be completed in all respect as perspecification & satisfacation of Architect.	S.FT	120.00		
6	STORAGE (FULL/HALF HEIGHT)				
a	450 deep storages shall be made up of 19mm thick MR Block board . The bottom of the storage unit to be provided above 19 mm Block board skirting	S.FT	450.00		
b	The storage shall be inclusive of all locks, SS tower bolts, handles, SS telescopic hinges, magnetic catchers and all hardware as per schedule of interiors, furniture finishes/ Instrutions.				
c	The storage shall be inside finished with 9 mm high gloss high gloss laminate (off white) and all exposed surfaces finished with 1.00mm thick high gloss high gloss high gloss laminate.				
d	Verticals out of 19 mm thk MR Block board to be provided at every 900 mm or part thereof, as per site conditions/ instructions. At every 410 clear height, internal horizontal shelves to be provided.				
e	The unit may be split vertically in two or more parts, as per the site conditions and instructions, for heights more than 1200mm				
f	The storage unit to be provided with a 9 mm thk. HDHMR MDFwood backing, front openable shutters, out of 19mm thk. HDHMR MDF board to be provided .				
	Note: The front vertical area of the storage unit will be measured for payment.				
7	ELECTRICAL PANEL				
	Providing & fixing low height Electrical Panel cabinet 1'-6" deep in 19mm thick HDHMR MDF boardf with box type cabinet having with all horizontal & vertical members with 21mmx4mm T.W. lipping with melamine polish in matching color and exposed exterior surfaces finished with 1mm thick high gloss laminate of approved color & make as per drawing included. Interior surface to have .8mm high gloss laminate with telescopic hinges, SS handles, Locks, stpper chain, S S tower bolts etc. complete in all aspects as per instructions of Architect/Bank.	S.FT	50.00		
8	PANELING WORK (FULL HT. & LOW HT.)				
	Providing & Fixing of WALL panelling made out with ALLUMINIUM RECTANGULAR RT Sections consisting of 2" x 1" section placed at min. 2'-0"x2'-0" horizontally & vertically (as per site requirement) with 9mm HDHMR MDF finished with 1mm thick high gloss laminates of approved shade over the wall as per approved drawings. The rates are including the design provided in the approved drawing this panelling will be upto false ceiling level with framing section screwed to rcc slab, walls and floor in chemical grout as per approved design grooving pattern as per design.including all necessary required hardware ,fitting as per approved by Architect/ Bank incharge.	S.FT	750.00		

S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
9	TABLES				
	Officer Manager Table with Side Unit				
	Supplying & fixing –Table 5'-0"× 2'-6"× 2'-6" made out of 19 mm thk. HDHMR MDF board with 1 mm thick high gloss laminate as approved, with wooden keyboard tray with side high gloss laminate & front modesty panel with double box structure & teak wood beading as per design. All external sides finished with 1 mm high gloss laminate as approved & internal sides with 0.8 mm balancing high gloss laminate as approved. Top edge all sides made of 60 mm thickness with BWP board 19 mm box framing as per design. Edges of design finished with T.W. beading with polish finish. Table drawer unit made out of 19 mm BWP Board with top drawer 6" depth & lower two drawers of equal depth with approved high gloss laminate. Outer side 1 mm thick & balancing high gloss laminate 0-8 mm internal sides with approved drawer channels , handles, locks, & all hardware as per design complete. P & F Side unit (3'-6" x1'-6"x 2'-6") made out of 19 mm thk. HDHMR MDF board with 1 mm high gloss laminate as per approved shade, external depth 18 inches, cabinet top height 2'-6" , top side structure/ middle & vertical & two equal shutter below two drawer made of 19 mm HDHMR MDF board with balancing high gloss laminate on all inner sides 0-8 mm thick as per approved shade, edges finished with T.W. beading finished with polish.. as approved shade. Rear panel with 9 mm HDHMR MDF, Front shutters , external surfaces finished with 1 mm approved shade high gloss laminate with necessary hardware, hinges, locks, magnetic catchers of approved make, complete unit as per design.Skirting4 " high made out of 19 mm HDHMR MDF Board finished with approved shade high gloss laminate 1mm thin as per design as approved by architect /bank incharge	Nos.	10.00		
10	12MM TOUGHENED GLASS DOORS				
	12 MM TH. TOUGHENED GLASS Cabin door providing & fixing main doors/cabin made out of/cabin door made out of HNG/ Asahi India MAKE 12 MM TH.toughened plain glass in single piece with computerised diamond cut & diamond edge polish including making required cutout holes for lock , handles , pivot patch fitting , corner fitting hinges etc. the rate is inclusive of patch fitting approved make floor spring ,pivot patch fitting with cover plate, locks handles , singasges with necessary hardware rtc. and including frosting /etching as per design as per intructions of Architect/ Bank In-charge	Sq.Ft	80.00		
11	12MM TOUGHENED FIX GLASS				
	Tougnened Fix Glass 12 mm Thk.of approved make & design with Bank Logo and , diamond edge polish including making required pivot patch fitting hinges etc. the rate is inclusive of patch fitting, including frosting /etching as per design intructions of Architect/Bank incharge Complete in all respects and including frosting /etching as per design as per intructions of Architect/ Bank In-charge	Sq.Ft	30.00		
13	Pin Board (5'-0" x 3'-0")				
	Providing and fixing pinup boards. It consist 12mm thick soft boards of good density to be mounted over 12mm thick comm. HDHMR MDF. The soft board will be covered with a plain fabric approved colour from front and edges. Suitable steam beach moulding 25mm x 25mm size to be fixed on all four sides and will be finished in melamine polish.	Sq.Ft	30.00		
14	A.C.P. PANELLING Front AREA/ATM				
	(External Grade 4 mm)	Sq.Ft.	375.00		
	Proving and fixing in position Aluminium composite panel Boxing with PVDF coating & LDPE core high gloss laminated Eurobond / Altobond/ Alukbond Exterior Grade 4 mm thick with composite of (0.5mm - 3mm- 0.5mm) including fabrication for the same with aluminium sections, required hardware, silicon sealent (Dow Corning 789) masking tape, necessary scaffolding etc. complete in all respects.				
15	GLASS OVER TABLE TOP:				
	Providing and fixing 12 mm glass over tables to complete with grinding polish and round edges with wire manager hole.	Sq.Ft.	30.00		
16	TEXTURE PAINT (PATTERN AS APPROVED BY BANK)				
	Supply and application of Wall painting with Texture paint of approved brand and manufacture to give an even shade including all scaffolding : Two or more coats on new work including preparation of base with primer, putty, lippy etc complete in all respect.	Sq.Ft.	200.00		
17	PLASTIC PAINT				
	Supply and application of Wall painting with Texture paint of approved brand and manufacture to give an even shade including all scaffolding : Two or more coats on new work including preparation of base with primer, putty, lippy etc complete in all respect.	Sq.Ft.	200.00		
18	ENAMEL PAINT				
	Supply and application of Wall painting with Texture paint of approved brand and manufacture to give an even shade including all scaffolding : Two or more coats on new work including preparation of base with primer, putty, lippy etc complete in all respect.	Sq.Ft.	500.00		

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19	TACT TILES FLOORING				
	The work include carefully cutting and removing existing floor tiles at specified locations without damaging the surrounding surfaces. All debris to be cleared from site. Therefore supply and installation of approved TAC (300mmX 300mm) tiles as per manufacturer's specificatin, ensuring proper alignment, adhesin and finish. Installation shall be done on a prepared surface with approved adhesive,including necessary surface preparatin, cleaning, levelling and all requied material, tools and labor to cvomplete the work in all aspects.	Sqft	25.00		
20	BUYBACK OF EXISTING FURNITURE & ELETRICAL ITEMS				
	Buyback price for existing furniture items viz. Tables, Counters, Partitions, Panelling, Doors, Glasses, False Ceiling, Storages, Blinds, LED Fixtures, Fans, Wiring, plates, switches, sockets etc.	Job	-1.00		
	TOTAL OF FURNISHING WORK (A)				

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B.	ELECTRICAL WORK:-				
No.	Particular	Qty	Units	Rates	Amount
1.	LIGHT & FAN POINTS:-				
	P & F light points, fan points, call bell points, sockets etc. with 2 X 1.5 sq. mm. PVC insulated 1100 V grade FRLS, copper conductor wires and 1.0 sq. mm copper earth wire in concealed / surface using ISI mark CPVC pipes of 25 mm dia 1.50mm thick conduits accessories such as bends, tees saddles, draw boxes, mounting boxes, innerplates, cover plates, ceiling rose etc. (where ever required) and plug etc. The circuit wiring starting from DB to point control box / switch box using 2 X 2.5 sq. mm and 1.5 sq. mm earthing PVC insulated wiring color code to be provided. Identification ferrules at both end to be provided. (Flexible conduit / elbow NOT allowed). The conduits to be fixed in ceiling with proper clamps / wall / floor and felling the chase with cement mortar and finish the same in original form / wooden partition / above false ceiling with proper clamps (Wherever required as per standard specifications)				
	SWITCH & SOCKET - NORTH WEST (PC Plus)/ MK (Wrap around)/Anchor (Wood)/Havells (Crabtree)/ABB(Classic Luminia)/legrand Steel Conduit:- AKG/BEC/JINDAL/STEEL KRAFT				
	Notes:-				
	All wires shall be FRLS only (Polycab/RR/Finolex/KEI)				
	All material shall be approved make as mentioned in the tender.				
	Color codes must be maintained				
	No flexible conduit & elbows will be allowed.				
	Each circuit shall have independent earth wire.				
	Each point must be seperately earthed.				
	Circuit wiring is to be included in point wiring rates.				
	One S.B. can have max. 10-12 switch including 6 Amp. Socket				
	Boxes fixed in the wooden/ plywood partitidens may be PVC				
(a)	One point controlled by one 6 Amp. Modular switch & switch board at SB level	Nos.	25		
(b)	Two points controlled by one 6 Amp. Modular switch & switch board at SB level	Nos.	25		
(c)	Exhaust Fan/Wall fan point controlled by one 6 Amp. Modular switch & switch board at SB level and 6 Amp. 3 pin socket at designed place.	Nos.	14		
(d)	6 Amp. Socket with switch & light indicator at switch board places& Table tops	Nos.	18		
(e)	Call bell point with anchor make Ding Dong Bell	Nos.	1		
(f)	Emergency points	Nos.	8		
(g)	Strong room point with metallic switch & socket (Industrial plug) with 25 amps MCCB. Rates to include all connections with extension cable as required on site.	Nos.	1		
(h)	Sign Board point with 32 Amp 2-P MCB	Nos.	1		
(i)	Indicator Light : To be provide at the entrance of the branch infront of cctv camera and as per instruction of engineer incharge of the bank.R-AC, B-UPS,Y-	Nos.	1		
2.	POWER POINTS :-				
	Same as item no. 1, including providing & fixing 16 Amp. 6 pin sockets with 16 amps switch with wiring by using 2x4 sq. mm PVC insulated copper conductor wire with independent 2.5 sq. mm earth wire from D. B. to first 1st socket and 1st socket to 2nd socket with 2.5 sq. mm and 1.5 sq. mm earth wire including providing and Fixing complete in all respects.				
(a)	Power point (Direct) with 2x 4.0 sq mm copper conductor wires.	Nos.	6		
3.	A. C. POINTS :- C&S/Havells/Legrand/HPL/ABB				
	A.C. point wiring with 2 X 4.00 sq. mm insulated copper conductor wire (FRLS) & 1 X 2.5 sq. mm copper conductor wire for earthing from AC DB to AC point in 16 swg PVC conduit AC point including supplying and fixing of module A.C. Box with 3 Pin metal clad pin top and 25/32 Amp. SP ELCB "C" series. (Wiring must be from DB to stablizer to ELCB near indoor unit to Indoor Unit.)	Nos.	7		
4.	DISTRIBUTION BOARDS :-				
	P & F sheet metal distribution boards of approved make double door type and making necessary connections etc complete with all ELCBs of C series 10 KA. (LEGRAND/ SCHNEIDER/ SIEMENS/C&S/HPL) All MCB'S must be 'C' series, 10 KA				
a	S P N 6 WAY DB :- UPS output SP MCB 16 Amp = 4 Nos. DP ELCB 63 Amp = 1 NOS.	Nos.	1		
b	(i) Supply and fixing 4 way DB 2 Nos. 40 Amp DP MCB for Branch UPS input	Nos.	1		
	(ii) Supply & fixing 4 way SPN with DB MCB as incomer for ATM UPS input & output	Nos.	1		
	(iii) Supply & fixing 4 way SPN with DB MCB as incomer for inverter input & output	Nos.	1		

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5.	LIGHT & FAN FIXTURES :-				
	P & F light fixture & accessories as per the following details and making connections, assembling, fixing, testing & installation with 3 years warranty. Following Fixtures including all accessories & extension chords as maybe necessary complete. All CFL / Flurescent fixtures (except down lighters) to be hung from the RCC ceiling by suitable chain / rods) all to fixture rates to include 3 years warranty. Including all removing, shifting, repairing, fixing, welding, cutting, instalation, testing, commissioning work of existing or proposed items for the folowing work. Including making good, proper finish of walls, floor and roof with masonry, R.C.C., plaster, pop, puty, primer, paint, etc. complete in all respects. Including color temp. for light fixtures must be 6500k. Dealer authorisation certificate with invoice detail required. Technical specification minimum 100 lumens per watt P _f > 90 THD<20%				
(a)	Philips RC 380B LED Full glow 24" X 24" (6500K) 36 Watt /BAJAJ/OSRAM/HAVELLS	Nos.	24		
(b)	Philips Green LEDi 10 Watt DN 194 B (6500K) /BAJAJ/OSRAM/HAVELLS/HPL	Nos.	35		
(c)	Philips LED Tube lights 18 W/ 22 W (6500K) /BAJAJ/OSRAM/HAVELLS/HPL	Nos.	16		
(d)	Wall fan (Metal Body) 400 mm - High flow of capacitor start, three speed wall mounting/cabin fan of following sweep with the help of anchor bolts including making connection testing etc. as required. Each wall fan should be connected through independent switch and socket of 6Amp.(Crompton/ Almonard/ Usha/ Havells)	Nos.	14		
(e)	Exhaust fan 300 mm - Crompton/ Atomonard of Heavy duty capacitor start 1400 RPM single phase ISI marked Exhaust fan, IS:2312 marked including making opening if required, making connections testing etc. as required.(Crompton/ Almonard/ Usha/ Havells)	Nos.	3		
(f)	P&F of ceiling BLDC Fan Metal body 1200 mm Sweep (Crompton/ USHA/ Bajaj)	Nos.	2		
6.	CABLES WIRES :-				
	P & L heavy duty armored cable on saddles wherever exposed and with aluminium lugs, cable termination with gland, aluminium lugs properly crimped, etc. complete. Including reusing of the existing cables wherever required as per direction of Bank Engineer/ Architect, vendor is bound to execute the items. All existing and proposed cables to be lay out in existing cable tray. Complete in all respects as per direction of Bank/ Architect. XLPE Cable (Polycab/ Finolex/ RR/KEI)				
a	3.50 core X 35 sq. mm Al. armoured cable with 2 X 8 SWG G.I. wire in PVC conduit for earthing including cables termination with gland, Al. lugs properly crimped of required size.	Rmts.	30		
b	2.0 core X 6 sq. mm copper cable for UPS to UPS DB including cables termination with gland, Cu. lugs properly crimped of required size. (UPS OUTPUT TO UPS DB) & (UPS INPUT TO UPS DB)	Rmts.	60		
7.	U.P.S. POINTS & CIRCUITS :-				
	P & F ups points in 2 mm thick PVC conduit with 2 X 2.5 sq. mm insulated copper wire along with 1 X 1.5 sq. mm PVC insulated wire for earthing including bends, nipples, junction, M.S. switch boxes each to have 3 nos. 6 A 5 pin modular socket 1 X 6 A indicator controlled by 1 X 16 A modular type switch compl fine finish incl. making necessary connection & start of equipment as per details. Complete in all respects as per direction of Engineer/ Architect. Make as specified above)				
(a)	DIRECT POINT	Nos.	20		
(a)	LOOP POINT (Only one point to be loop.)	Nos.	6		
8.	EARTHING :- (Ashlok, JK, Ash, REIL)				
(a)	Supply and installation of pipe-in-pipe technology Copper Earth Electrode earthing system modelt-39 with outer diameter of 80 mm length 2000 mm embedded in the soil with masonry inspection pit along with cover etc. complete in all respect. The work should be got carried out through bank's authorized Company only. Each pit installation test certificate to be submitted after measurement of earth resistances as per the provision in IS 3043	Nos.	3		
(b)	P & L 2 X 8 SWg copper earth wire at designated place in PVC conduit (Pit to Panel/ Pit to UPS)	Mtrs.	60		

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9	MAIN PANEL FOR BRANCH :-				
	Designing manufacturing, installing, testing and commissioning of cubical type MAIN PANEL made from 16 SWG CRCA sheet steel, "type base M.S. channel for grouting on floor complete with ELCB, ELCBs, meters, C.T., etc. complete in all respect, insulated bus bar with near shrinkable PVC sleeve in suitable bus bar chamber, wiring, name plates, danger plates, earth bus etc. & comprising of compartments with hinged doors and rubber gasket, bus bar chamber with bolted door and rubber gasket etc. the panel being of dust & vermin proof construction and to be painted with primer and smoke gray paint (minimum two coats) to look attractive. The panel should be comprising with the following : (Degree of Protection IP-54)	Nos.	1		
	INCOMER: -				
	ALL ELCB SHOULD HAVE 25 KA SHORT CIRCUIT CURRENT CAPACITY (C-CLASS) (Legrand/ HPL/ C&S/siemens/ABB/ Schneider)				
(i)	125 Amp 4 - P, ELCB (3 Phase) 1 Nos.				
(ii)	250 Amp. Capacity copper bus bar for ATM & system room heat shrinkable proper insulation with heat shrinkable proper insulation with color coded. Analog ammeter and voltmeter, 3phase to single phase 63 Amp selector switches , three number indicating lamp R-Y-B Phase indicators with 2 amp. back up HRC fuses & Energy Meter with KWH and PF indication (Back up Fuse protection)				
	OUT GOING : -				
	ALL ELCB SHOULD HAVE 25 KA SHORT CIRCUIT CURRENT CAPACITY				
	DOUBLE BUS BAR PANEL				
	A.C. SHOULD NOT OPERATE ON INVERTER/GENERATOR B25:B79 SUPPLY				
	All ELCB must have 25 KA S.C. current capacity				
	All outgoing feeder should have separate door and compartment.				
	Each outgoing feeder shall be with indicator.				
(iii)	63 Amp 4 - P, ELCB (3 Phase) 1 Nos. (A.C.) with 32 Amp.2-P MCB				
(iv)	63 Amp 4 - P, ELCB (3 Phase) 2 Nos. (Power/light, UPS)				
(v)	T P N 4 WAY DB :- (For Lighting)- 1 No.				
	Having Incomer : 63 Amp. 4-P ELCB				
	OUT GOING : 10/16/20 Amp. SP MCB - 12 NOS				
10	TELEPHONE POINTS				
b	S, L, T, I, C Telephone point with cat 6 cable telephone cable from main supply to various counters, tables, walls, partitions, etc.with colour coding identification on both ends. Including 0.6 mm dia annealed with tinned screen protected CU conductor PCC sheathed 2 pair telephone cable in PVC conduit 2.00 mm thk. conduit as required. Including S & F modular type plate with telephone outlet box and RJ-11 sockets with housed in zinc passivated box/ PVC box with suitable connector strip in recessed wall/ partition as required. S & F modular type telephone outlet 1 pair coaded outlet.	Nos.	6		
11	DATA POINTS				
(a)	Computer networking points with 4 pair, 24 AWG UTP Cat 6 Cable as per latest ammendments of TIA /EIA 568 B.2-1 Specifications in PVC Conduits including making connections to Information outlets and Patch Panels with ferruling at both ends for identification with necessary tools for punching, stripping, crimping and testing required. Cost including Faceplate for Flush Mount Information Outlets Single Aperture with screw hole covers & Icon Tree Size 86mmX86mm including pvc/ ms box. (Cat 6 cable: Molex/ Avaya/Penduit/AMP) (Face plate i/o : Molex/ Avaya/Penduit/AMP/D link)	Nos.	40		
(b)	Supply , Installation and Testing of 4 pair , 100 Ohm, 24 AWG , E Cat 5 UTP, flexible , Double ended Patch Cords along with 2 No of RJ 45 connectors with strain relief boots as per TIA /EIA 568 B.2 Specifications including making connections to Inform outlets of lengths. 2.0 Meter as required. Molex/ Avaya/Penduit/AMP/D link)	Nos.	18		
(c)	Reintallation Data/ server rack of 9U Rack with all required accessories complete in all respect.	Nos.	1		
(d)	Reintallation of 24 port patch panel for rack with all accessories	Nos.	1		
12	LOW SIDE AC WORKS				
(a)	P & F Copper refrigerant piping for split units duly insulated with elastometric nitrile rubber tubular insulation (9mm) between each set of indoor & put door unit for above mentioned units to interconnect indoor unit and outdoor unit, relevant sizes as per manufactures specifications including cutting and chiselling and repairing of wall / designated areas complete fine finish.(MAKE PAPDIWAL/ HITACHI) with electrical wiring for split and cassette units duly insulated with close cell elastometric foam, relevant sizes as per manufactures specifications including cutting and chiselling and repairing of wall / designated areas complete fine finish.with 4c x 2.5 sqmm copper wire	Mtrs.	75		

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(b)	P & F INSULATED condensate drain water piping flexible PVC with all bends, junctions and accessories approved make duly insulated to nearest drain trap including cutting and repairing the wall to the existing situation complete - 25mm / 32mm dia. (kissan/ national)	Mtrs.	75		
	Total of Electrical works (B)				
	GRAND TOTAL (A+B)				

Seal & Sign of Tenderer