

PART-II

(PRICE BID)

(TO BE ENCLOSED IN SEPARATE ENVELOPE NO. 2)

BILL OF QUANTITY

B.O.Q. FOR FURNISHING WORK

Sr. no.	Item/ Description	Quantity	Unit	Rate	Amount
1	False ceiling Work				
a	GYPSUM BOARD 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 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 dist 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 alongwith coats of Acrylic paint suitable for Gypsum board upto Bank's Satisfaction .Rate quoted to include all vertical drops , overhang, projection all cut-outs required for light fixtures, smoke detectors and other services cut-outs complete as directed by Architect. Only horizonatal Measurement will be taken.	400	Sqft.		

	b	GRID FALSE CEILING /Modular False ceiling :Providing and fixing suspended false ceiling consisting : approved make MODULAR CEILING. Tile: equivalent to Classic Lite RH 99 Bevelled Tegular; Suspension system Silhouette 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.	512	Sqft.		
	c	TRAP DOORS :Providing and fixing trap doors for access to the areas above false ceiling. The trap door shall have an external frame made of 2"x2" in good quality seasoned wood scantling on which the shutter is hinged. Shutter shall be made of 19 mm. BWP ply. The exposed side shall be laminated in approved quality and colour. Concealed heavy duty hinges shall be used to mount the shutters and locking shall be provided with panel locks. The shutter shall be moulded in level with the false ceiling forming a groove all around. Sufficient number of hinges and locks shall be provided to avoid sagging of the shutter. Key also shall be supplied. No extra rate shall be provided for suspenders or frame works alround for linking the trap door to gypboard false ceiling.	6	Sqft.		
			TOTAL			
2		INTERIOR FURNISHING WORKS				

a	P/F SOLID WOODEN/ PARTLY GLAZED PARTITIONS made out of Aluminum cross section or salwood section size 2"x1 1/2" of framework 2'-0" c/c both ways treated with ANIT-TERMITE & FIRE RETARDANT solution, covered with 8 mm thk BWR/BWP grade ply wood / partly glazed (8mm thk. clear float glass fixed with 1.5"x1" teak wood beading finished with melamine polish) with approved design, shape & shade 1mm thk laminate/mica fixing on inside of panel with 1.5 mm thk grooves in panel as per the design with provision of the openings in the panel for switch boards, box and cuts in frame for carrying conduits if necessary and fixing 1.0 mm laminate on the outside face of shade and colour as per Bank's colour scheme given in the tender specification or as directed with 8 mm glass to be given in the design. The open edges are to be blocked by teak wood bead with polish of required size (3"x3/4") and design. All provisions to be made for all electrical, networking boxes onto partition framework at required heights/levels with necessary additional supports as directed.	250	Sq.ft.		
b	LOW HEIGHT PARTITION: P & F low height (3'-0" to 4'-0") partly glazed partition with 3'-0" ht. wooden partition and 1'-0" ht. 12 mm thk. clear float glass above the wooden portion fixed with 1.5"x1" teak wood beading finished with melamine polish. The exposed edges of the glass to be finished in pencil polish. Rate includes P&F wicket gate with all necessary fittings, beading etc. as required. All other specification are same as above item.	100	Sq.ft.		
c	TOUGHEN GLASS DOOR: Providing and fixing of 12 mm thk toughen glass doors with below fixtures of approximate size 900x 2100mm for single door and 1800x 2100mm for double door.	42	Sq.ft.		
	Door Lock				
	Door stopper				
	Floor Machine				
	Patch fitting				
	S.S. Handle 12" long				

d	WOODEN FLUSH DOOR: Providing and fixing Solid flush door of approved make made out of 35mm with both side laminate finish with necessary fitting with door closer provision . All material is of approved brand. Size of door 900 x2100 Doors-Providing and fixing single leaf solid core flush door 40mm thick factory made, finished on both sides with 1.0mm thick laminate of approved shade as indicated in drawing. Shutter to be lipped on all sides with 12mm thick teak wood beading. Applicable hardwares to be considered for following doors according to requirement as per detailed drawings including below mentioned hardware-Door closer, SS Ball bearing Hinges, SS foot operated Door stopper, SS Mortise Latch Lock / concealed dead lock, SS Mortise Handle. Rates are inclusive of 8mm thk. galss vision panel as required.	7	Nos.		
e	WALL PANELLING: Fabricating and fixing wall/column paneling to consist of 37.5mm x 50mm treated salwood framework or Aluminum Sections at spacing not exceeding 600mm bothways (horizontal and vertical). Paneling framework to be secured to wall surface/column surface. Paneling framework to be clad on one side with 8mm thick BWR/BWP grade ply finished with 1.0mm thk laminate including border/ skirting of 100mm high & 1.5 mm x 1.5 mm groove at border/ skirting level	100	Sq.ft.		
f	WOODEN BOX: Rolling shutter boxing made up in 19mm thk Marine plywood/ Exterior grade Bison Panel frame painted as per Architects approval. Measurement to be considered for all four sides.	60	Sq.ft.		
g	CHEQUE WRITING TABLE: Writing desk made of 19mm plywood shelves with same wood beading as above. Witing ledge to have facility of pegion holes of 6" depth beneath to place the payin/ payout slips etc. The table top shall be of 12mm thick plain glass fixed with SS studs. table size 3'-0"(w) x 3'-9"(h) x 1'-0"(d)	1	Nos.		

h	CHEQUE DROP BOX : (2'-0" x 3ft High X 10" deep) Providing and fixing cheque drop boxes made out of 19mm thk. Commercial plywood grade I finished with 1mm thk. Laminate. Slit should be provided to drop cheques and opening provided with locking arrangement to remove cheques, complete in all respect.	1	Nos.		
i	NOTICE BOARD: Providing and fixing notice board of in ply board of 6mm fixed on a frame of 50 mm x 25 mm well seasoned wood polished and top fixed with bead. 12mm thk. Soft board clad with fabric of matching colour and shade complete with all fixtures necessary as required.	24	Sq.ft.		
j	DRESSING TABLE(Strong Room): Providing & supplying dressing table with mirror of size 1'-0" x 5'-0" including sitting desk for locker room as per standard design of locker room / dwg	1	Nos.		
k	OFFICER/ SWO COUNTERS: Providing & fixing Officer tables as per design, of 2'-6" ht, and of below mentioned size. Two of the corners/edges will be curvilinear in shape. The counters shall have the provision to adjust the key board on telescopic channels, drawer unit, metallic CPU trolley with castors, cable manager and sal wood foot rest (3"X1.5") with painting. The tables shall be made of 19mm thick BWR/BWP ply wood, with teak wood half round beading of size 20 x 12mm, duly polished. All vertical supports front apron and gable ends of table are to be made out of same 19mm thick BWR/BWP ply wood. The counter shall be finished with 1mm thick laminate of approved shade / colour, complete with all necessary hardware such as 100 mm 'C' type S.S.handles, magnet catchers, brass hinges, locks, etc. as per Bank's approved brand/make. Inner surfaces of the table, counters etc. to have 0.8 mm laminated finish. Drawer unit of size 1'-2"(clear internal width) x 1'-6" x 2'-3"ht.) consisting of 3 nos. of drawers, to be made of 19mm thk. plywood with matching laminate finish with heavy duty telescopic slides. Rate will inclusive of providing plastic shoes and fixing 19x5mm suitable wood beading to all exposed edges etc. Skirting it to be done with approved color laminates. The top shall have float glass of below mentioned size as per table top shape with hole for cable manager with pencil polish edges.				
i	Desk size (4'-6" x 2'-6"x 2'-6" ht.) with 8mm glass top	4	Nos		

	ii	Desk size (5'-6" x 3'-0" x 2'-6" ht.) with 8mm glass top	1	Nos		
	iii	Extra for Providing and fixing front partition of SWO counter above the working top (from 2'-6" to 4'-0" ht.) with one no. of 12mm thk toughened float glass leaving 2" gap above working top. The toughened glass shall be fixed to the side partition by means of 'D' SS bracket as required/ directed.	5	Rft		
	l	LINEAR COUNTERS : Providing & fixing Cash/ SWO / Officer counters as per design, of 2'-6" ht and of 2'-0" width. The counters shall have the provision to adjust the key board, drawer, storage complete shelf for CPU at bottom, cable manager and foot rest (3"X1.5"). The counters shall be made of 19mm thick BWR/BWP plywood, with teak wood half round beading of size 20 x 12mm, duly polished. The counter shall be finished with 1mm thick laminate of approved shade / colour, complete with all necessary hardware such as 100 mm 'C' type S.S.handles, magnet catchers, brass hinges, locks, etc. as per Bank's approved brand/make. Inner surfaces of the table, counters etc. to have 0.8 mm laminated finish. Drawer unit of size 1'-2"(clear internal width) x 1'-6" x 2'-3"ht.) consisting of 3 nos. of drawers, to be made of 19mm thk. plywood with matching laminate finish with heavy duty telescopic slides. Rate will include providing plastic shoes and fixing 19x5mm suitable wood beading to all exposed edges etc. Skirting it to be done with approved color laminates.	12	Rft		
	m	CASH CABIN PARTITION: Providing and fixing the intermediate, front, and rear partition of cash cabins which shall be of same specification as Solid wooden partly glazed partition but upto 7'-0" ht. with 12mm thk toughened glass. Glazing starts from 3'-9" upto 6'-6" with pencil polish edges. The front portion shall have customer top of 1'-3" wide ledge projecting 6" on customer side at a height of 1'-3" above the desk/ working top thus making 3'-9" ht. from the finished floor level. Providing cutout of size 12" x 4" at the central bottom part of glass at transaction top level so as to allow transactions. Providing 6" dia hole at the height of 4'-6" from finished floor level so as to allow conversation between cashier and customer. The side intermediate partition shall have an opening of 8" x4" in the partions at 3'-0" level with the ledge of 1'-0" wide projecting 6" both side. Rate includes P& F wooden door of size 2'-0" x 6'-6" at	90	Sq.ft		

		rear/ side partition with necessary fitting i.e. lock, latches, door handles, door closer, stopper etc. Skirting it to be done with approved color laminates.				
	n	SIDE CREADENZA :Providing, Constructing and Fixing credenza should be made out of 19 mm thk BWR/BWP Plywood box type in nature. 1.0 mm thk approved laminate to be stuck to all exposed surfaces, complete finished with golas/margins, 4” S.S.handles, brass hinges, locks and magnetic catchers, etc. Storage should have side hung shutters. The unit to have 3” covered skirting with approved laminate. The overall size of the unit shall be 2’-6” in ht and 18”/15" deep as per design. The unit shall have intermediate shelf. Inner surfaces of the units etc. to have 0.8 mm laminated finish.				
	i	3'-0" X 2'-6" X 1'-6"	1	Nos		
	ii	3'0" X 2'-6" X 1'-3"	1	Nos		
	o	FILE STORAGE CABINETS: Providing and fixing the 1'-6" wide storage units. The storage units shall have shutters made in 19mm BWR grade plywood and finished in laminate of approved shade including top. The storage units shall have intermediate shelves made in 19mm thick plywood with matching wood lipping as desk. The storage shall have matching wood edge moulding 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 to be finished with 19x5mm suitable wood beading. (same for Over Head storage required above counters)	80	Sq.ft.		
		TOTAL				
3		MODULAR/ LOOSE FURNITURE				
	a	HIGH BACK REVOLVING CHAIR: equivalent to Godrej' make 'Premier' series Highback	1	Nos.		
	b	MEDIUM BACK CHAIR: equivalent to Godrej' make 'Premier' series Midback	6	Nos.		
	c	VISITOR CHAIR WITH ARMREST: equivalent to Godrej' make 'Premier' series '7112R' Model	8	Nos.		
	d	Lobby Chair (3 seater): Perforated steel seat and back, Chrome plated steel base. Equivalent to nano peach model of Godrej make.	2	Nos.		
	e	ALMIRAH				

		Steel Almirah of size 3'-0" x 1'-6" x 6'-6" of Godrej (Storwel plain)make or equivalent	3	Nos.		
	f	VERTICAL FILING CABINET				
		Metal filing cabinet (with 4 nos. drawer) of size 1'-6"(w) x 2'-0"(d) x 4'-6" (h) of Godrej make or equivalent	3	Nos.		
		TOTAL				

Summary Sheet(Furnishing work)	
Items	Amount (Rs.)
1. FALSE CEILING WORK	
2. INTERIOR FURNISHING WORKS	
3. MODULAR/ LOOSE FURNITURE	
Total=	

<u>BOQ OF ELECTRIFICATION AND ALLIED WORKS</u>						
S.NO		ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
		<u>(A)ELECTRICAL WORKS</u>				
-	-	-				
		<u>ELECTRICAL</u>				
		<u>SUBHEAD I (POINT WIRING)</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)				

INTERNAL WIRING						
1		POINT WIRING :				
		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				
	a.	Providing and fixing Primary light point	25	Nos.		
	b.	Providing and fixing Seconday light point(Maximum three points to be looped from primary)	11	Nos.		
	c.	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.	18	Nos.		
	d	P&F bell point i/c of buzzer	1	Nos.		
	e	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 /	15	Nos.		

		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.				
	f	Ceiling fan point (rate should include electronic fan speed regulator)	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 X 2.5 sqmm + 1 X 1.5 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.	3	Nos.		
3		AC POINTS :(including circuit wiring)				
		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 2.5 sq mm + 1 X 1.5 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.		
PANELS AND D.B.'s						
4	(A)	<u>MAIN PANEL/VTPN(4 WAY) :(With following minimum capacity)</u>				

	Supply, installation, testing and commissioning of totally enclosed compartmentalized dust and vermin proof cubical segregated and modular in construction M.V. panel board wall mounted fabricated with 14swg and 16swg of CRCAM.S. sheet duly painted with two coat of metal red oxide and two coat of fire resistance paint at inside and out side of the panel, bus-bar chamber, outgoing switchgear etc (all feeder unit Would be compartmentalized), color coded PVC sleeved vertical / horizontal busbar of required size of length, (bus-bar distances shall be minimum 32 mm) insulators, hardware, neoprene gasket, hinged door, interconnecting single core multi strand lugged copper wire having current density of 2A / sqmm of suitable capacity & size with lugs from busbar to switchgears / mccb / mcb or where ever required, two earthing terminal busbar of size 25 x 5 mm with nut & bolts at out side of the panel, rating and name plates for all incoming & outgoings, two eye two nos eye bolts, wire mesh jali for ventilation etc comprising with the followings.				
	NOTE:-				
	Sheet 16 swg : panel sides, upper, lower, and front doors				
	Sheet 16 swg : back side and compartments.				
	Gland plates : 3 mm thick.				
	Cable entry : Provision at bottom and upper sides.				
	Inside the panel : white colour paint.				
	Outside the panel : Grey colour paint or as directed.				
	INCOMER				
	1 Nos 160 Amp MCCB, 25 KA- 4 Pole, C-curve				
	1 Nos – 200 A TPN insulated Copper Bus Bar				
	Set of Indicator Lamps				
	Set of Voltmeter + Ammeter+ Selector Switch				
	OUTGOINGS				
	4Nos- 63 Amp, 1 No-63 A TPMCB, C-curve				
	SET AS ABOVE	1	Nos		

	B	SFU TPN 160 A with HRC fuses(just after meter and prior to Main Panel)	1	Nos		
5		<u>LIGHT DISTRIBUTION BOARD</u>				
		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				
		18 Nos SPMCB 6/10/16 Amp,B-Curve				
		SET AS ABOVE	1	Nos		
		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				
		INCOMER				
		1 No. TPMCB 63Amp ,C-curve				
		OUTGOINGS				
		24 Nos SPMCB 25/32 Amp,C-curve				
		SET AS ABOVE	1	Nos		
		incl. Electrical connection ,earthing, making good all the damages, painting, cleaning the site, etc complete as per site requirement and as directed.				
		<u>SUBHEAD IV : UPS WIRING</u>				
7		U.P.S. DISTRIBUTION BOARD				

		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.				
	a.	INCOMER				
		1 NOS63 A DP MCB				
		OUTCOMER				
		1 Nos- 63Amp DP MCB, 24 NOS 6/10/16 AMP SPMCB				
		SET AS ABOVE	2	Nos		
8		<i>SPECIAL POINTS: (UPS) any length(TO WORKSTATIONS)</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.				
		1 Nos. 16 A Switch + 3 Nos. 6/16 A, 5 pin Socket.	9	Nos.		
9		<u>EARTHING</u>				
		Preparation of the Earth station : (as per I.S. 3043-1987)				
		supplying and erecting earth pit of minimum bore dia. 150mm size , approved make Safe Earthing Electrode consisting Pipe-in-Pipe technology as per IS 3043-1987 made of corrosion free G.I. Pipes with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for effective and maintenance free earthing as mentioned below				

	a	With 3 mtr. G.I. Pipes having outer pipe dia of 50mm having 80-200 micron galvanizing, Inner pipe dia. of 25mm having 200-250 Micron galvanizing, connection terminal dia.of 12mm in nominal soil with 50 kg (Two Bag) Back filling Compound.	2	Nos.		
10		Supplying and laying 25 X 3 mm copper strip direct on wall/ in ground with screws and washer including soldering / welding etc if required..	3	M		
11		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.	10	Mtrs.		
CABLING :						
12		L.T.CABLES :				
		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				
	a	4 C x 16.0 sqmm armored copper cable with 10 SWG 2 Nos G.I. wire for Electric room /Ups room and ATM	30	Mtrs.		
	b	3.5 C X 50sqmm. Al. Armored .(with 10 SWG 2 Nos. G.I. wire) from ELECTRIC METER to MAIN PANEL	5	Mtrs.		
TELEPHONE WIRING / CABLING SYSTEM.						
		TELEPHONE POINT :				
13		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.				
	a	Double outlet with shutter modular type Telephone Outlets (RJ – 11) with suitable size PVC modular boxes complete as required .	1	Nos.		
	b	Single outlet with shutter modular type Telephone Outlets (RJ – 11) with suitable size PVC modular boxes complete as required .	1	Nos.		
14	a	Providing and fixing 50pair KRONE make telephone tag block with 20 pair module with termination and crimping complete and making good the surface as required/ directed.	1	Nos.		
	b	Providing and fixing 10 pair armoured tinned copper telephone cable in 32 mm PVC conduit from telephone utility junction box	10	Mtr		
TOTAL FOR ELECTRICAL WORKS(A) RS.						
<u>(B)DATA CABELING WORKS</u>						
S. NO		ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
		COMPUTER CABLING SYSTEM.				
		COMPUTER POINT : I / O's :				
1	a	Supplying, Installation, testing and commissioning of the Computer point with the followings - (D-Link or equivalent)				
		Four pair STP 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 complete as required	9	Nos.		
	b	Supply and Installation of following factory fabricated patch cords (STP-CAT 6) complete with connectors and boots on both sides.				
		Two Meter length	7	Nos.		
	c	Supply and fixing of				
	i	9U Rack 3 side open	1	Nos.		
	ii	16-part Cat6 unshielded wallmount or Rackmount Patch Panel	1	Nos.		
	iii	Patch cord Cat6 1 meter B/Y color	9	Nos.		
TOTAL FOR COMPUTER NETWORKING(B) RS.						
<u>SPECIFICATIONS FOR ELECTRICAL FITTINGS</u>						
S. NO		ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
(C)ELECTRICAL FITTINGS/FIXTURES						
1		Supply, fixing, testing and commissioning of Recess/Surface mounted decorative luminaire with LED FIXTURES with class I electrical safety, complete as required Fitting Dimensions :				
	a	18-30 watts,Minimum 2800 lumens LED size 600X600(Approx.) : CRI>80,PF>0.9 Equivalent Model: Philips RC 380 (LED 'FULLGLOW' series)	19	Nos.		
	b	10-11 w ,Minimum 1000 lumens LED ROUND DOWN LIGHTER Diameter 110-165mm,CRI>80,PF>0.9 Equivalent Model: Philips 10 S DN 097B/092B (GREEN LED Ultima series)	5	Nos.		
	c	18-20 w led batten Light of 4'-0" LENGTH min. 1900/2000 Lumens	9	Nos.		
2	a	<u>WALL BRACKET FAN</u>				

		Supply and fixing of the following fans Wall bracket fan white (400mm blade size)	15	Nos.		
	b	CEILING FAN				
		Supply and fixing of CEILING FAN 1200 MM Sweep	1	Nos.		
	c	EXHAUST FAN:				
		Supply and fixing of the following single phase Exhaust Fan continuously rated, capacitor start and run type, totally enclosed and ruggedly built, pre lubricated double ball bearing, copper wounded, A & E class insulation, dynamically balanced, below 40 db sound level etc. Supplying & fixing of 300 dia Exhaust fans	3	Nos.		
TOTAL FOR ELECTRICAL FIXTURES(C) RS.						
(D)SPECIFICATIONS FOR AIR CONDITIONING WORK						
S. NO		ITEM AND SPECIFICATION	QTY	UNIT	RATE	AMOUNT
1		Supplying, Installation & Commissioning of 3 Star Rated all copper (condensor) split AC system as spec. or approved make, including indoor & outdoor copper tubes (4 mt along with machine), drain pipes, condensor unit etc. complete as per drg, detail & instruction of Architect. Including maintenance/ service till defect liability period and warranty (one year)				
	a	1.5 TR Singlt Split unit	4	Nos.		
	b	1.0 TR Singlt Split unit	1	Nos.		
	c	Stablizers "V-Guard" Make suitable for 1/1.5 tr /2 tr load	5	Nos.		
2		Low side Work				
	a	Supplying & Laying extra suitable Copper refrigerant piping with all required material.	15	Mtrs		
	b	Supplying & Laying extra suitable PVC Drain piping with all required material.	15	Mtrs		
	c	Supplying & Fixing suitable MS Stand with Cage with locking arrangement for 1.5 tr/2 tr AC outdoor	5	No.		
	d	Supplying & Laying of power cable from indoor to outdoor suitable for 1.5 tr /2 tr load/AC	15	Mtrs		
		TOTAL OF ' Air Conditioning' (D)Rs.				
		TOTAL FOR ELECTRICAL AND AC				

Summary Sheet - Electrical		
S.No.	Items	Amount (Rs.)
1	Total of Section A (Electrical work)	
2	Total of Section B (Data Cabling works)	
3	Total of Section C (Electrical fitting and fixtures)	
4	Total of Section D (AC work)	
	Total(A+B+C+D)=	

ABSTRACT

SUB: FURNISHING & ELECTRICAL WORK AT KARGI ROAD
BRANCH

Sr. no.	Particulars	Amount
1	Furnishing work (Section-A)	
2	Electrical, Data cabling & AC work (Section-B)	
3	Total (1+2)	
4	Discount if any	
5	Total (3 - 4)	
6	GST	
7	TOTAL (5+6)	

Amount in words:

**Seal & Signature
of Firm,**