ART-A	Particulars: Detailed Specifications A: ELECTRICAL WIRING WORKS ENERGY METER CUBICLE: Fabrication, Supply, Installation, testing & Commissioning of energy Meter cubicle made out of 16 SWG CRCA sheet consisting of the following. (to be fixed outside the building). FOR 3-PHASE ENERGY METER- for Branch, separate chamber for energy meter (with fixing plate, view glass and holes with rubber gromets), CTs, Cutouts & switchgear etc. and consisting of the following. 3 Nos. 63A Open Type bakelite cutout fuse unit with 63A HRC fuses 1 no. 63A 4 pole SFU with 63A HRC fuse (HPL/C&S/Indoasian) Complete with all inter connections and powder coated painting-RAL 7032 siemens grey. BUILDING MAIN PANEL: MAINS CHANGE OVER PANEL Supply and installation of 63A 4pole ON Load Change over switch with suitable metallic enclosure with cable entry Box and Powder	Set	Quantit	Rate	Amount
2	ENERGY METER CUBICLE: Fabrication, Supply, Installation, testing & Commissioning of energy Meter cubicle made out of 16 SWG CRCA sheet consisting of the following. (to be fixed outside the building). FOR 3-PHASE ENERGY METER- for Branch, separate chamber for energy meter (with fixing plate, view glass and holes with rubber gromets), CTs, Cutouts & switchgear etc. and consisting of the following. 3 Nos. 63A Open Type bakelite cutout fuse unit with 63A HRC fuses 1 no. 63A 4 pole SFU with 63A HRC fuse (HPL/C&S/Indoasian) Complete with all inter connections and powder coated painting-RAL 7032 siemens grey. BUILDING MAIN PANEL: MAINS CHANGE OVER PANEL Supply and installation of 63A 4pole ON Load Change over switch with	Set	0		
2	testing & Commissioning of energy Meter cubicle made out of 16 SWG CRCA sheet consisting of the following. (to be fixed outside the building). FOR 3-PHASE ENERGY METER- for Branch, separate chamber for energy meter (with fixing plate, view glass and holes with rubber gromets), CTs, Cutouts & switchgear etc. and consisting of the following. 3 Nos. 63A Open Type bakelite cutout fuse unit with 63A HRC fuses 1 no. 63A 4 pole SFU with 63A HRC fuse (HPL/C&S/Indoasian) Complete with all inter connections and powder coated painting-RAL 7032 siemens grey. BUILDING MAIN PANEL: MAINS CHANGE OVER PANEL Supply and installation of 63A 4pole ON Load Change over switch with	Set	0		
2	16 SWG CRCA sheet consisting of the following. (to be fixed outside the building). FOR 3-PHASE ENERGY METER- for Branch, separate chamber for energy meter (with fixing plate, view glass and holes with rubber gromets), CTs, Cutouts & switchgear etc. and consisting of the following. 3 Nos. 63A Open Type bakelite cutout fuse unit with 63A HRC fuses 1 no. 63A 4 pole SFU with 63A HRC fuse (HPL/C&S/Indoasian) Complete with all inter connections and powder coated painting-RAL 7032 siemens grey. BUILDING MAIN PANEL: MAINS CHANGE OVER PANEL Supply and installation of 63A 4pole ON Load Change over switch with	Set	0		
2	outside the building). FOR 3-PHASE ENERGY METER- for Branch, separate chamber for energy meter (with fixing plate, view glass and holes with rubber gromets), CTs, Cutouts & switchgear etc. and consisting of the following. 3 Nos. 63A Open Type bakelite cutout fuse unit with 63A HRC fuses 1 no. 63A 4 pole SFU with 63A HRC fuse (HPL/C&S/Indoasian) Complete with all inter connections and powder coated painting-RAL 7032 siemens grey. BUILDING MAIN PANEL: MAINS CHANGE OVER PANEL Supply and installation of 63A 4pole ON Load Change over switch with	Set	0		
2	Branch, separate chamber for energy meter (with fixing plate, view glass and holes with rubber gromets), CTs, Cutouts & switchgear etc. and consisting of the following. 3 Nos. 63A Open Type bakelite cutout fuse unit with 63A HRC fuses 1 no. 63A 4 pole SFU with 63A HRC fuse (HPL/C&S/Indoasian) Complete with all inter connections and powder coated painting-RAL 7032 siemens grey. BUILDING MAIN PANEL: MAINS CHANGE OVER PANEL Supply and installation of 63A 4pole ON Load Change over switch with				
2	view glass and holes with rubber gromets), CTs, Cutouts & switchgear etc. and consisting of the following. 3 Nos. 63A Open Type bakelite cutout fuse unit with 63A HRC fuses 1 no. 63A 4 pole SFU with 63A HRC fuse (HPL/C&S/Indoasian) Complete with all inter connections and powder coated painting-RAL 7032 siemens grey. BUILDING MAIN PANEL: MAINS CHANGE OVER PANEL Supply and installation of 63A 4pole ON Load Change over switch with				
2	switchgear etc. and consisting of the following. 3 Nos. 63A Open Type bakelite cutout fuse unit with 63A HRC fuses 1 no. 63A 4 pole SFU with 63A HRC fuse (HPL/C&S/Indoasian) Complete with all inter connections and powder coated painting-RAL 7032 siemens grey. BUILDING MAIN PANEL: MAINS CHANGE OVER PANEL Supply and installation of 63A 4pole ON Load Change over switch with				
2	3 Nos. 63A Open Type bakelite cutout fuse unit with 63A HRC fuses 1 no. 63A 4 pole SFU with 63A HRC fuse (HPL/C&S/Indoasian) Complete with all inter connections and powder coated painting-RAL 7032 siemens grey. BUILDING MAIN PANEL: MAINS CHANGE OVER PANEL Supply and installation of 63A 4pole ON Load Change over switch with				
2	fuses 1 no. 63A 4 pole SFU with 63A HRC fuse (HPL/C&S/Indoasian) Complete with all inter connections and powder coated painting-RAL 7032 siemens grey. BUILDING MAIN PANEL: MAINS CHANGE OVER PANEL Supply and installation of 63A 4pole ON Load Change over switch with				
2	1 no. 63A 4 pole SFU with 63A HRC fuse (HPL/C&S/Indoasian) Complete with all inter connections and powder coated painting-RAL 7032 siemens grey. BUILDING MAIN PANEL: MAINS CHANGE OVER PANEL Supply and installation of 63A 4pole ON Load Change over switch with				
2	Complete with all inter connections and powder coated painting-RAL 7032 siemens grey. BUILDING MAIN PANEL: MAINS CHANGE OVER PANEL Supply and installation of 63A 4pole ON Load Change over switch with				
2	painting-RAL 7032 siemens grey. BUILDING MAIN PANEL: MAINS CHANGE OVER PANEL Supply and installation of 63A 4pole ON Load Change over switch with				
2	BUILDING MAIN PANEL: MAINS CHANGE OVER PANEL Supply and installation of 63A 4pole ON Load Change over switch with				
	and installation of 63A 4pole ON Load Change over switch with				
	and installation of 63A 4pole ON Load Change over switch with				
- 1	•				
	Sullable illelallic eliciosule willi cable eliliv box aliu Powderi				
- [coated painted with 6nos of 2A SP MCB and LED (R,Y,B)	Set	1 1		
- 1	indicators for the identification of EB/ DG Set — ON & neat				
- 1	marking thereof: (GA drawing to be got approved from				
- 1	consultant/Engineer before fabrication & supply)				
- 1	a. Change over switch : 63A On-Load COS				
- 1	b. MFM - (c 0.5) to show the V,A,pf,kW,kVA,etc details (L&T or				
- 1	Schnider)				
	c. SPD - Type-1+2				
	d. R,Y,B Indicators for EB & DG supply (6nos)				
	e. 1A SP MCB - 6 nos				
- 1	Complete with all inter connections and powder coated				
	painting-RAL 7032 siemens grey.				
3	Supply & Installation of 20 KVAR automatic capacitor panel	٠.+			
[cubical type, floor mounting made of 16.SWG CRCA sheet.,	Set	0		
	Incoming				
	63A, 25kA, 4P MCCB with spreader				
	0-100A ammeter with selector switch				
	RYB indicating lamp				
	0-500 Volts, Voltmeter				
	6 Stage A.P.F.C. Relay				
[6	Outgoing				
	63A TPMCB				
	Capacitor duty contactor				
	5KVAr Resin Capacitor with Harmonic fitter				
	ON-OFF push button & Ind Lamp				

	<u>, </u>			1	1
4	Main DB - (VTPN - DB): Supply, Installation, testing and				
	Commissioning of Double Door TPN DB consisting of the	Set	1		
	following.				
	Double door 4-way VTPN MCB VDB				
	Incomer				
	63A, 25kA, 4P MCCB				
	Outgoings:				
	63A, TP MCB (C-series) -0nos				
	, , , , ,				
	40A, TP MCB (C-series) -2nos				
	25A, TP MCB (C-series) -1nos				
	16A, TP MCB (C-series) -2nos				
	16A, SP MCB (C-series) - 3nos				
	10A, SP MCB (C-series) - Onos				
	160A COPPER Bus-bar for 3 phase				
	Complete with all inter connections.				
5	ACDB - (TPN - DB): Supply, Installation, testing and	Set	1		
	Commissioning of Double door (6-way) TPN MCB DB consisting	Set	1		
	Double door 4-way TPN MCB DB				
	Incomer				
	32A,300mA 4P RCCB +32A MCB C-series				
	Outgoings:				
	25A, TP MCB (C-series) -0nos				
	16A, TP MCB (C-series) -0nos				
	16A, SP MCB (C-series) - 4nos				
	10A, SP MCB (C-series) - Onos				
	80A COPPER Bus-bar for 3 phase				
	Complete with all inter connections.				
6	RPDB: Supply, Installation, testing and commissioning of	Set	1		
	Double door TPN MCB DB consisting of the following.		_		
	Double Door 6-way TPN MCB DB				
	Incomer:				
	16A,100mA 4P RCCB +40A 4PMCB C-series				
	Outgoings :				
	16A, SP MCB (C-series) -Onos				
	10A, SP MCB (C-series) -6nos				
	6A, SP MCB (C-series) - 4nos				
	Complete with all inter connections				
	complete with an inter connections				
7	ESSENTIAL DB: Supply, Installation, testing and Commissioning				
,	of Double door SPN MCB DB consisting of the following.	Set	1		
	Double door 4-way TPN MCB DB				
	line a many			1	I
	Incomer :				
	32A TP MCB (C-series)				

	6A, SP MCB (B-series)-2			I
	24hr digital timer 1NO,1NC - 1 nos signage board lighting			
	Complete with all inter connections.			
	Complete with all lifter conflections.			
8.a	LDB: Supply, Installation, testing and commissioning of Double			
	door TPN MCB DB consisting of the following.	Set	1	
	Double Door 4-way TPN MCB DB			
	Incomer:			
	32A,30mA 4P RCCB +40A 4PMCB C-series			
	Outgoings :			
	16A, SP MCB (C-series) -Onos			
	10A, SP MCB (C-series) -6nos			
	6A, SP MCB (C-series) - 4nos			
	Complete with all inter connections			
	Complete with all inter connections.			
9	BUS BAR Box – Supply, Installation, testing and Commissioning			
	of single door Bus bar box with following .			
a.	100A Copper bus bars-25mmX3mm X150mm -4nos with	Set	0	
	insulators mounted on insulator bushes. \ / for remote UPS			
b.	200A Copper bus bars-25mmX4mm X150mm -4nos with	Set	0	
	insulators mounted on insulator bushes. \ / for remote UPS			
С	100A 4P Isolator with suitable enclousure	Set	1	
10	UPS IN PUT DB Supply and installation of 40 A FP MCB			
10	ISOLATOR in suitable metallic enclosure for UPS Input.	Set	2	
	ISOLATOR III suitable metallic enclosure for OP3 input.			
11	UPS OUT PUT DB Supply and installation of 32A DP MCB			
	ISOLATOR in suitable metallic enclosure for UPS Input.	Set	2	
	1502 (16) (11) Saltable inetaine enclosure for 615 input.			
12	UPS CHANGE OVER PANEL: Supply erection testing and			
	commissioning of 2 Nos. 32A rotary type change over switch in			
	suitable metal box with 4 Nos. LED indicator for input / output		1	
	identification. UPS Output change over switch board. Complete	560	_	
	with all inter			
13	COMPUTER DB: Supply, erection, testing and commissioning of			
	wall mounted type double door dust and vermin proof SPN	Set	2	
	MCB DB fixed on wall comprising the following:			
	SPN MCB DB - 8Way			
	Incomer :			
	20A, DP MCB (C-series) -1			
	Outgoings :			
	10A, SP MCB (C-series) -2			
	6A, SP MCB (C-series) - 4			
	Complete with all inter connections.			
	Complete With an inter connections.		ı	

14	Supply and installation of suitable weather proof enclosure for			
	local control of 3ph/1ph air conditioners.			
l a	Supply and installation of 64A FP MCB (D-series) in suitable			
	weather proof enclosure(IP65) for local control of 3ph/1ph air	Set	0	
	conditioners.	Jet		
<u> </u>				
D.	Supply and installation of 20/32A DP MCB in suitable weather			
	proof enclosure(IP65) for local control of 3ph/1ph air	Set	0	
	conditioners.			
c.	Supply and installation of 20/32A TP MCB in suitable weather	Set	4	
	proof enclosure(IP65) for local control of 3ph air conditioners.	Jet	7	
15	Supply and installation of DOL starter for PUMP motor with			
	thermal overload protection, for 2kW motor	Set	0	
16	CABLE LAYING AND TERMINATIONS: Supply, laying and			
10				
	dressing of the following size of 1.1 KV grade XLPE insulated			
	armoured cable with aluminium conductor concealed or			
	clamped on wall / ceiling / trench / cable tray if necessary.			
	i) 4x240 Sq.mm AYFY	m	0	
	ii) 4x95 Sq.mm AYFY	m	0	
	iii) 4x70 Sq.mm AYFY	m	0	
	iv) 4x50 Sq.mm AYFY	m	0	
	v) 4x35 Sq.mm AYFY	m	0	
	v) 4x25 Sq.mm AYFY	m	30	
	vi) 4x16 Sq.mm AYFY	m	30	
	vii) 4x10 Sq.mm AYFY		50	
	· · · · · · · · · · ·	m	0	
	viii) 3x6 Sq.mm AYFY	m	U	
47				
17	End termination of the following size of cables using flange type			
	cable glands and heavy duty tinned aluminium crimping type			
	cable sockets including gland earthing.			
	i) 4x240 Sq.mm AYFY	set	0	
	ii) 4x95 Sq.mm AYFY	set	0	
	iii) 4x70 Sq.mm AYFY	set	0	
	iv) 4x50 Sq.mm AYFY	set	0	
	v) 4x35 Sq.mm AYFY	set	0	
	vi) 4x25 Sq.mm AYFY	set	6	
	vii) 4x16 Sq.mm AYFY	set	4	
	viii) 4x10 Sq.mm AYFY		7	
	VIII) 4A10 SQ.IIIIII ATI I	set		
4.0	CL. CARLE TRAV. Company and impedilication of coult of the Ch			
18	GI - CABLE TRAY: Suppy and installation of medium duty GI			
	Ladder type cable tray of following size. (Rate shall be inclusive			
	of all bends supports,etc. And supports to be not more than			
	1000mm apart)			
	i) 500mmx50mm(WxH)	m	10	
	ii) 650mmx50mm(WxH)	m	10	
	iii)300mmx50mm(WxH)	m	0	
•	<u>, </u>			

19	EARTHING AND LIGHTING PROTECTION			
a.	Supply and providing ISI pipe earthing as per IS 3043 with 2.5m			
	long 40mm dia B class G.I. pipe providing GI clamp at the top of			
	the GI pipe test joint, filling around the GI pipe at the radius of			
	15cm with homogeneous mixture of charcoal, common salt	Set	2	
	and river sand up to height of 2.5m from the bottom and the			
	rest of the portion with excavated soil, providing brick work			
	masonries, plastering, fixing cast iron cover of 30x30cm size			
b.	Making of Copper plate(600mmx600mmx3mm) Earth-pit as per			
	IS 3043 complete with charcoal, funnel set etc., including			
	making of 450 x 450mm brick masonary chamber with CI /	Set	2	
	stone / fabricated / RCC cover with lifting handles stone /			
	fabricated / RCC cover with ligting handles etc., complete as			
c.	EARTH CONDUCTORS Supply and laying of the following size of			
	bare copper conductor along with above cables, for			
	interconnections between panels, DBs, change over switches	m	70	
	etc.and also for interconnections between earth pits. i) No.10			
	SWG			
d.	Supply and laying of 2 X No. 10 SWG copper conductor through	m	70	
	20mm PVC conduit for UPS earthing.		, 0	
e.	Supply and laying of 25x3mm GI strip/tape supported on			
	porcelain insulator on every 1m distance for lighting arrester	m	0	
	system – the strip shall be insulated from having any direct			
	contact from the building -shall use UPVC conduits while			
f.	Supply and installation of - Copper Lightning arrestor spike – of			
	1m supported over proper insulator and connected to GL strip	Nos	0	
	using proper nut bolt system.			
g.	Supply & installation of 4m length 40mm dia C-class GI pipe to			
	be fixed over the terace of the building to erect Copper	Set	0	
	lightning arrester spike. The pole shall be mounted on			
h.	Supply and providing tinned copper earth bench using 25 x 3	Set	3	
	mm copper strip (25 Cm in length)			
20	MANDING FOR LIGHT FAN BLUG SOCKETS FTC . Beint Winings			
20	WIRING FOR LIGHT, FAN, PLUG, SOCKETS ETC : Point Wiring:			
	Supply and wiring for light /fan/exhaust fan/calling bell/mirror			
	lamp/ bulkhead light/ wall fans etc . With 3plate ceiling rose			
	and by using 3x1.5 sqmm. (1.5sqmm) . PVC insulated copper			
	conductor wire in 20mm dia 1.5mm thick rigid PVC conduit,			
	controlled by 5A modular switches with provision for modular			
	type Ceiling fan regulator on separately fabricated MS Box. The M.S box should be earthed properly. One way point.			
	Single light point controlled by a 6 Amp switch.	Nos	47	
D.	each Secondary light point connected to the single light points	Nos	34	
	controlled by a switch. 2-WAY controlled lighting point for staircase, bed switch etc.	Nos	1	
١ ٠.	12-111 Controlled lighting point for Staircase, bed Switch etc.	1103		I

٦ ٦	Wall fan / Exhaust fan point - 6A, 3 pin modular socket on		l I		
u.	suitable metal box for wall fan controlled by switch in common		10		
	·	1105	10		
<u> </u>	SB				
e.	Ceilingl fan point - controlled by 6A switch in common SB with	Nos	3		
	modular stepped regulator.				
21	Supply and fixing of Modular type 5A 3pin plug points				
	controlled by 5A modular switch mounted on suitable box (on	Nos	9		
	common switch board) only in Strong room, Record/ Stationary				
22	Supply and fixing of Modular type 5A 3 pin plug points with 5A	Nos	5		
	modular type switch in separate location.	1103	,		
23	Raw Power Switch Box : Same as above but for 2 Nos. modular				
	type 5 A 3 pin plug points with 2 nos. 5A modular type switch	Nos	5		
	in separate location. (both sides of cash cabin desk, nodes etc)				
24	Supply and fixing of modular type 15A plug socket with 15A				
	modular type switch mounted on suitable Box(for Mgr cabin,	Nos	3		
	Cash Cabin, Pantry, Water cooler, etc) .				
25	Supply and installation of combined 5A modular plug socket				
	with 5A modular switch & 15A combined modular plug socket				
	with 15A modular switch in single box.(for EB supply at cashier	NOS	Nos 0		
	counters / Manager cabin/UPS for ATM)				
26	Supply and providing 16A plug top and 1.5m long 3 core				
-	2.5Sqmm flexible copper cable (FRLS Type) for taking incoming	Nos	s 2		
	supply from 16A socket. (For UPS/EB supply to back office			2	
	manager & EB supply to strong room, line printer and record/				
27	Supply and Installation of 25A Modular type 3 pin plug socket				
	with suitable metallic box for air curtain/ air conditioners.	Nos	2		
28	Supply and Installation of 20A /32A Modular type DP switch				
20	having indicator with suitable metallic box for the local control		6		
	of the air conditioners/air Curtain.	1403	"		
29	UPS Power Stations::: Supply install Test and commissioning of				
23	computer power stations with 3nos 5A modular type				
	socketswith 1nos 15A modular type sockets controlled with				
	· ·				
	1nos. 15A modular type single pole switch with indicator	1403	10		
	mounted on M/S Box.) / controlled by master switch (item 39)				
	The boxes should be Fixed on – wall/ partitions(wooden,				
	concealed or open as required at site. Maximum 3 sets per				
30	Same as above but for 2 Nos. modular type 15 A 3 pin plug				
	points with 2 nos. 15A modular type switch in separate	Nos	2		
	location.(for Data Kraft rack / I/O Rack/ Cash cabin)				
31	Same as above but for 2 Nos. modular type 6 A 3 pin plug				
	points with 2 nos. 6A modular type switch with indicator in				
	separate location.(for countrers, Head cashier , etc on wall	INOS	Nos 2		
	panel/ partition - Above the tabe and on wall for token				
	Here is a first state of the st				J

32	Supply, install, test and commissioning of 16A modular type master switch with indicator with suitable PVC box for the main control of UPS stations in the counters.(common switch to control all UPS station in each counter)		10	
33	Supply & Installation of USB charger oulets controlled by 6A switch (in Privillage lounge/ Hall)	Nos	3	
34	CIRCUIT WIRING: Supply and wiring wall / floor etc. / recessed / surface as per colour code with 3 runs of 1.1KV grade 1.5 Sqmm PVC insulated flexible copper wire for phase neutral and earth conductor with standard colour coding, through ISI marked 20mm dia(medium) rigid PVC conduit with all accessories. The rate includes the cost of complete wiring from switch box to switch box. THE WIRING SHALL BE DONE	m	0	
35	Same as above but with 3 x 2.5 Sq.mm PVC Insulated copper wire(FRLS Type).(for lighting main circuit, 15A plug points & UPS point wiring) (power circuit to VRF IDUs)	m	520	
36	Same as above but with 3 X 4sqmm. PVC insulated copper wire(FRLS Type). (for $1.5 / 2$ T AC and UPS Out put COS to computer DB and for the Name Boards if there are multiple name boards or extra ordinary lengthy—Name Boards)	m	90	
37	Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire through rigid conduit (32mm) on wall and flexible conduit on floor for UPS Input.(4m length x 2 UPS), AC input $3Tr/4Tr$ inv		40	
38	Same as above but with 4 x 2.5 Sq.mm with 2 x 1.5 sq.mm (for 3ph 3T inverter AC units) in 32mm dia conduit	m	0	
39	Same as above but with 4 x 4Sq.mm with 2 x 2.5 sq.mm (for 3ph 4T inverter AC units)	m	0	
40	Same as above but with 4×6 Sq.mm with 1×4 sq.mm (for3ph UPS input)	m	30	
41	Same as above but with 4 x 10 Sq.mm + 1 x 6 sqmmPVC Insulated copper wire through rigid conduit on wall of 38mm	m	0	
	PVC CONDUITS:Supply and Fixing of following sizes of FRLS PVC conduit along with the accessories in surface in ceilling/ recess in walls, flooring including cutting the wall / floor etc., and making good the same in case of recessed conduit as required. 32mm dia. Conduit (Medium)		20	
b.	25mm dia. Conduit (Medium)	m	20	
c.	20mm dia. Conduit (Medium)	m	20	
	LIGHT FIXTURES & FANS Supply and Installation of 36~40W 600mmx600mm Square recess mounting (gypsum board ceiling) LED type luminaire (including required fixing frame, chain for suspending fron RCC	Nos	26	
	ceiling) -Wipro, HPL, Havells, Orcus, 595mmx595mm cut out			

		_	_	_	
b	Supply & installation of 20 $^{\sim}18$ Watts DLED type LED light fitting with lamps and white reflector on false ceiling (UPS Light points) - $^{\sim}205$ mm cut out		9		
С	Supply & installation of 9~10 Watts DLED type LED light fitiing with lamps and white reflector on false ceiling - ~135mm cut	Nos	36		
d	Supply and Installation of minimum 5m lenght flexible LED strip lights of 22~24 watts in false ceiling coves of Blue / warm White shades with necessary LED driver of same make	m	0		
е	Supply and fixing of 2~3 watts LED spot lamp / swivel downlight - warm light for photoframe / decor lighting	Nos	0		
f	Supply and fixing of 1 X 20W LED Batten light set on wall /ceiling. Slim with metal body	Nos	10		
g	Supply and Installation of 20~40W 2'x2' suspended / (drop) ceiling hanging type Round luminaire decorative (including required fixing frame) -Wipro, HPL, Havells, Orcus, Philips	Nos	0		
h	Supply and Installation of 36~40W out door type street light fixture LED including required fixing frame/pipe,) -Wipro, HPL, Havells, Orcus	Nos	0		
i	Supply & installation of 60 Watts LED light down lighter and on false ceiling (for double height area) - Wipro, HPL, Havells,	Nos	0		
:	Orcus, CGL.	Nos	2		
-	Supply & installation of calling bell Supply and installation of 9" size medium duty exhaust fan.	Nos	2		
K	(Toilets/ dinning)	Nos	2		
I	Supply and installation of 12" size medium duty exhaust fan. (UPS Room)	Nos	2		
m	Supply and Installation of 400 mm sweep wall fan with metal body and blades	Nos	7		
n	Supply amd installation of 1200mm sweep ceiling fan. 5 star rated . (High Speed)	Nos	3		
0	Supply and providing fan rod with painting (upto 1m length) (other than that supplied with fan and if required)	Nos	3		
	Supply and providing fan hook on ceiling.	Nos	3		
q	Supply and installation of 9W LED bulb with suitable batten holder (Toilets & UPS light points)	Nos	3		
r	Supply and Installation of step type modular electronic regulator, 100W	Nos	3		
44	Electrical safety - RUBBER mats of 1.1kV grade 1.8mx.0.9m	Nos	1		
45	Supply and fixing of: 1nos First aid kit, Safety chart, Danger				
	boards-2nos , No Admission boards-1nos	Set	1		
46	Marking of Panels, DBs, its switch and fuse ratings, cable size, location etc (Neat identification from top to extreme load end of both light and power distribution including EB / UPS plug sockets and generator switch boards) using white / black paint and stencil. (free hand writing not allowed). Good quality	LS	1		
	stickers may also be used.				

	Charges for Preparation of SLD (Single Line Diagram), Network diagram of the whole electrical & LAN installations using AutoCAD, Lamination and displaying it inside the UPS room.	L.S	1	
	(Size – A3 /A2/A1). Service charges for liaison work with EB authorities on behalf of bank for getting sanction for additional load, getting order for statutory payments, shifting/replacements of suitable. Energy meter meter if necessary, submission of completion report, obtaining final load sanction from concerned EB and displaying it in the UPS room after lamination. Etc.	L.S	0	
49	Arranging temporary wiring for counters and cabins during renovation work	L.S	0	
	Removing old and unwanted wirngs, panels, fixtures from the premises, and disposing the same.	L.S	0	
	PART - A TOTAL AMOUNT IN FIGURES			
PART-	B TELEPHONE WIRING			
	Supply and wiring using 2 pair telephone cable (0.5mm2) in 20mm PVC conduit from the KRONE Box to the individual points. One separate cable for each point. Number of cables in one conduit limited to 5.			
	2 pair telephone cabling 10 pair telephone cabling	m m	250	
	20 pair 68:0prione 68:0m/g			
	Supply and fixing of RJ 11 type modular telephone socket on suitable PVC / metal boxes.			
1 1	Telephone socket - single (modular type)	Nos	1	
b.	Telephone socket - double (modular type)	Nos	5	
1 1	Supply and installation of KRONE connector telephone junction box of 40 pair (double door type).	Set	1	
4	Supply and installation of KRONE connector telephone junction box of 20 pair.	Set	0	
	PART - B TOTAL AMOUNT IN FIGURES			
PART-	C: PA & MUSIC SYSTEM			
1	Supply and wiring as per colour code transparent speaker cable 1.50sqmm PVC insulated stranded copper wire 2 runs through ISI grade 20mm conduit for speakers.		0	
2	Supply and providing 9W recessed type speakers on ceiling CS 663 T Ahuja make speaker.	Nos	0	
	PART - C TOTAL AMOUNT IN FIGURES			
PART-	D: DATA CABLING			

1	Supply and laying of CAT 6 UTP cable through 25mm dia rigid PVC conduit with all accessories etc.(2 run for SBI Connect also)	m	450	
2	Supply and fixing of 2nos of CAT 6 Modular Information outlet with SM box on wall / partitions etc.	Nos	8	
3	Supply and fixing of 1nos of CAT 6 Modular Information outlet with SM box on wall / partitions etc.	Nos	3	
4	Supply and installation of 17U wall mounted type rack. (HCL/Valrack make)	Nos	1	
5	Supply and Installation of CAT6 24 port patch panel in the floor/wall mounted type rack. With cable manager	Nos	1	
6	Supply and installation of CAT6 26 port (1000Mbps) switch in	Nos	0	
7	Supply and installation of 1 m long patch chord. (CAT 6)	Nos	33	
8	Supply and installation of 2 m long patch chord. (CAT 6)	Nos	18	
9	Supply and installation of 3 mlong patch chord. (CAT 6)	Nos	1	
10	Supply and installation of 5 mlong patch chord. (CAT 6)	Nos	1	
11	Testing of NODES with reports. (with PENTA scan reports)	Nos	51	
	PART - D TOTAL AMOUNT IN FIGURES			
	PART - A			
	PART - B			
	PART - C			
	PART - D			
	TOTAL			