	Mongam branch New premises Electrical Works BOQ						
	PART A	AMOUNT			DUNT		
SL NO.	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMT.		
1	<u>MSB</u> : Fabrication, Supply, Installation, testing and commissioning of wall mounting type dust and vermin proof cubicle type switch board made out of 16 SWG CRCA sheet with powder coated painting(siemens grey) and consisting of						
	125A,25KA TP MCCB as incomer						
	80A, 16 kA TP MCCB as outgoings -1 Nos. (To Non Essential DB)						
	63A, 16 kA TP MCCB as outgoings -1 Nos. (To Essential DB)						
	25 x 6 mm Copper busbar for 3 phases and neutral.						
	$3\ \text{nos.}$ LED indicators for RYB indication : 2 sets ( each for KSEB & DG Set supply indication)						
	Multifunction LCD Display for Voltage, Current and Frequency for 3 phase- 1 No.						
	2A SP MCB - 6 Nos. for control supply.						
	Complete with all interconnections.	1	Set				
2	MAINS CHANGE OVER Supply and installation of 125A 4 Pole ON LOAD Change over switch with suitable metallic enclosure with cable entry box and powder coat painted and with 6 nos 2A SP MCB with 6 nos LED indicators for the identification of KSEB / DG Set 'ON' & neat marking thereof. (Mains Change Over)	1	No.				
3	Supply and fixing of 80A, 25 KA Four Pole MCCB on a suitable metal		110.				
	box with handle for switching off the non essential loads like air conditioners, LDB after the office hours (This should be installed near to entrance area preferably and the connection to be given by using 4X25sqmm AYFY cable)		No				
4	Non Essential Load DB (VDB): Supply, Installation, testing and	•	110				
	commissioning of Double door 4 way VTPN MCCB DB consisting of the following.						
	80A, 25 kA TP MCCB as Incomer - 1 No.						
	63A C Series TP MCB as out going- 1 no (To AC DB)						
	32A/40A C Series TP MCB as out going- 2 no (To PDB & LDB)						
	16/20/32A C Series SP MCB as out going -3 Nos.						
	Dummy - 0 Nos.	1.00	Set				
	Complete with all inter connections.						
5	AC DB: Supply, Installation, testing and commissioning of Double door Way TPN MCB Vertical DB consisting of the following.						
	63A, 100mA ELCB + MCB as Incomer - 1 No.						
	20A/32A C Series TP MCB as out going- 4 no (To 3 Phase AC units & Spare)						
	10/16/20A/32A, SP MCB (C-Series) - 6 Nos.(To Single Ph. AC Units, Power plugs & spare)						
	Dummy - 0 Nos.						
	100A Copper busbar for 3 phases						
	Complete with all interconnections.	1	Set				
6	<b>Essential DB:</b> Supply, Installation, testing and commissioning of Double door 4 way VTPN MCB DB consisting of the following. 63A, 100mA ELCB + MCB as Incomer - 1 No.						
	32A/40A C Series TP MCB as out going- 2 no ( To ATM & 3 Phase						
	UPS)						

	6/10A/16A/20A/32A 'C' Series MCB as out going - 6 Nos. ( To UPS,			
	Board Light, Security Light)			
	Complete with all inter connections.	1.00	Set	
7	Complete with an inter conficetions.	1.00		
•	PDB & ATM DB: Supply, Installation, testing and commissioning of			
	Double door 4 way TPN MCB DB consisting of the following.			
	32/40A, 100mA ELCB + MCB as Incomer - 1 No.			
	6/10A/16A 'C' Series MCB as out going - 12 Nos.			
	Complete with all inter connections.	2.00	Set	
8	LDB: Supply, Installation, testing and commissioning of Double door			
	4 way TPN MCB DB consisting of the following.			
	32/40A, 30mA ELCB + MCB as Incomer - 1 No.			
	6/10A/16A 'C' Series MCB as out going - 12 Nos.			
	Complete with all inter connections.	1.00	Set	
	UPS INPUT DB: Supply Erection, testing and commissioning			
9	of 32/40 A 2P MCB + 32 A DP ELCB 100 mA in suitable	3	Set	
	metallic enclosure			
10	UPS OUTPUT: Supply and installation of 32/40A DP MCB in	3	Nos.	
	suitable metallic enclosure for UPS input/Output	J	INUS.	
11	<b><u>UPS</u> <u>CHANGE</u> <u>OVER</u> <u>PANEL</u></b> Supply erection testing and			
	commissioning of 2 Nos. 40A rotary type change over switch in	1.00	Set	
	suitable metal box with 4 Nos. LED indicator for input / output	1.00	OCI	
	identification. UPS Output change over switch board.			
12	<u>COMPUTER</u> <u>DB</u> Supply, erection, testing and commissioning of wall			
	mounted type double door dust and vermin proof 12 way SPN MCB			
	DB fixed on wall comprising the following:			
	25/32A, High Immunity DP RCBO 30mA 25/32A - 1 No.			
	6A / 16A MCB - 10 Nos.			
	SPN MCB DB - 12 way	2	Set	
13	SPN UPS DB for ATM Supply, erection, testing and commissioning			
	of wall mounted type double door dust and vermin proof 8 way SPN			
	MCB DB fixed on wall comprising the following:			
	· · · · · · · · · · · · · · · · · · ·			
	25/32A, High Immunity DP RCBO 30mA 25/32A - 1 No.			
	6A / 16A MCB - 6 Nos.			
	SPN MCB DB - 8 way	1	Set	
14	CABLE LAYING AND TERMINATIONS Supply, laying and dressing			 
	of the following size of 1.1 KV grade PVC insulated armoured cable			
	with aluminium conductor concealed or clamped on wall / ceiling /			
	trench / cable traylamps if necessary.			
	i) 3.5 x 50 Sq.mm AYFY (Main cable )	60	Mtr.	
	ii) 4 x 25 Sq.mm AYFY (From MSB to Non Essential &Essential DB,	80	Mtr.	
	Cut off MCCB to Non Essential DB)	ου	IVILI.	 
	iii) 4x10 Sq.mm AYFY (From Non Essential DB to LDB, PDB and	85	Mtr.	 
	Essential DB to ATM DB )			
	iv) 4X16 Sq.mm AYFY	30	Mtr	
	v)3.5X35 Sqmm AYFY	60	Mtr.	

15	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) 3.5x 50 Sq.mm AYFY	2	Nos.	
	ii) 4x 25 Sq.mm AYFY	4	Nos	
	iii) 4x10 Sq.mm AYFY	6	Nos.	
	iv) 4X16 Sq.mm AYFY	2	Nos	
	v)3.5X35 Sqmm AYFY	2	Nos	
16	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, commol salt and river sand up to			
	height of 2.5m from the botton and the rest of the portion with			
	excavated soil, providing brick work masonries, plastering, fixing cast			
	iron cover of 30x30cm size etc. complete.			
		6	No.	
17	Same as above but using 60cmX60cm Copper plate earth for UPS			
	earthing	1	No	
18	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 etc.and also for			
	interconnections between earth pits.			
	i) No.10 SWG	380	Mtr.	
	ii) No. 4 SWG	45	Mtr	
	iii) No.6 SWG	30	Mtr	
19	Supply and laying of 2 X No. 10 SWG copper conductor through		141(1	
15	20mm PVC conduit for UPS earthing.	40	Mtr.	
20	Supply and laying of 1 run No. 10 SWG copper conductor through			
	20mm PVC conduit for <b>Datacraft RACK's lightning protection.</b>	45		
			Mtr.	
	WIDING FOR LIGHT FAN BLUG COCKETS FTO			
	WIRING FOR LIGHT, FAN, PLUG, SOCKETS ETC Wiring for light,fan,plug-sockets			

				1
a				
	SITC of all materials and wiring through wall,ceiling,concealed using color coded 1.5 sq mm PVC insulated ,1100Vgrade FRLS stranded copper wire for point and same size wire with green color as continuous earth for points with independent earth wire for each circuit through ISI grade 25mm PVC conduit including all accessories as per IS 9537 part 1 including circuit wiring using 2.5 sq mm size of wire of same material and quality as above and factory made MS boxes modular type 5A switches and switchboards and ceiling rose /connectors etc.of approved make for controlling one light /fan/exhaust fan calling bell etc .Number of wire to be used in the conduit should be limited to the IS standards .Rate is inclusive of cost of circuit wiring from LDB ,chipping floor /wall using machine and re- plastering to original form All switches/sockets/switch boards shall be modular type. Wherever wires are drawn on walls it shall be concealed by chipping the plaster using proper machine .Where conduits are drawn above false ceiling ,it shall be firmly clamped on the concrete ceiling/wall using clamps at regular interval (maximum one meter) or laid through rack/tray as per site condition. one light controlled one switch		Nos	
1-		E	Noa	
b	Same as above but controlling two lights by one switch	5 3	Nos Nos	
С	Same as above but controlling three lights by one switch	3		
d	Same as above (Item no 14a) but for ceiling fans including Supply and Installation of step type 250 W modular electronic regulator of approved make.	10	No	
e	SITC of wiring for 6 or 10 nos LED Bulk head or tube lights in parallel connected to UPS/KSEB supply with single control using 5A modular switch and plate with identification for external lights		No	
f	SITC of wiring for 6 or 10 nos LED down lighters in parallel connected to UPS supply with single control using 5A modular switch and plate with identification.	2	Nos	
g	SITC of 6A 3 pin plug socket with 6A switch with inter connections complete (combined in switch board)	12	Nos	
h	SITC of 6A 3 pin plug socket with 6A switch with inter connections complete (independent plus points)	6	Nos	
g	SITC of 2 nos of 6A 3 pin plug socket with 6A switch with inter connections complete(for TV Supply)	1	No	
22	SITC of wiring through wall /floor etc recessed using color coded 3 runs 1100Vgrade 2.5 sq mm PVC insulated FRLS copper wire through ISI marked 20 mm dia PVC conduit including all accessories and provide combined 6A, 3pin modular plug socket with 6A modular switch & 16A combined 3 module modular plug socket with 16A modular switch in single box.(for KSEB supply at counters / Manager cabin) including charges for chipping wall or floor and making to original form. Rate is inclusive of cost of complete circuit wiring from power DB/UPSDB(Maximum of three sockets only will be permitted in one ckt) For wall fan/other items at required location switch shall be within reachable height (1.5m)		Nos	

3 runs 1100Vgrade 2.5 sq mm PVC insulated FRLS copper wire through ISI marked 20 mm dia PVC conduit including all accessories and 2 plate 15/5A modular switch and sockets including charges for chipping the wall or floor and making to original form. Rate is inclusive of cost of complete ckt wiring from the KSEB power DB/UPSDB  24 SITC of wiring through recessed/ wall /floor/partition/surface using color coded 3runs of 2.5 sq mm PVC insulated RRLS stranded copper wire for phase/neutral and green color for earth through ISI marked 20 mm dia PVC conduit from UPS DB for UPS power station s including 4nos SA 3 pin sockets controlled by one 15A master switch (modular) in metal box. Number of wires in one conduit shall be limited as per standards. Rate quoted is for the complete lenth of wiring from UPS DB. Master switch shall be in separate box at easily accessible position to operate by sitting on the chair (the item is treated as Main station.  25 Extension of UPS Stations from main station (Item no:16) to adjacent tables consisting of wires ,switches &sockets same as that mentioned in item no:15a. Maximum three UPS power stations (of 4 sockets treated as one power station) can only be looped from one main station.  26 Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location,(for datacraft rack /I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS. Cuwire with 25mm dia PVC conduit (single Phase AC units)  Mtrs  28 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS. Cuwire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  Ouwire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger Supply)  31 Same as above but with 3 x 6 Sq.mm PVC insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of WAAP Isolator with suitable weather proof encloser for supply to acoudtoor units  33 No  34 SITC of 32A/40 A 4 P MCB	23	SITC of wiring through wall /floor etc recessed using color coded		Nos	
through ISI marked 20 mm dia PVC conduit including all accessories and 2 plate 15/5A modular switch and sockets including charges for chipping the wall or floor and making to original form. Rate is inclusive of cost of complete ckt wiring from the KSBB power DR/UPSDB  24 SITC of wiring through recessed/ wall /floor/partition/surface using color coded 3runs of 2.5 sq mm PVC insulated FRLS stranded copper wire for phase/neutral and green color for earth through ISI marked 20 mm dia PVC conduit from UPS DB for UPS power station s including 4nos 5A 3 pin sockets controlled by one 15A master switch (modular) in metal box. Number of wires in one conduit shall be limited as per standards. Rate quoted is for the complete lenth of wiring from UPS DB. Master switch shall be in separate box at easily accessible position to operate by sitting on the chair (the item is treated as Main station.  25 Extension of UPS Stations from main station (Item no:16) to adjacent tables consisting of wires ,switches &sockets same as that mentioned in item no:15a. Maximum three UPS power stations (of 4 sockets treated as one power station) can only be looped from one main station.  26 Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location. (for datacraft rack / I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  Mtrs  28 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON) OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of 40A4P Isolator with suitable metallic enclosure  33 No  34 SITC of 40A4P Isolator with suitable weather pr	23			1105	
accessories and 2 plate 15/5A modular switch and sockets including charges for chipping the wall or floor and making to original form. Rate is inclusive of cost of complete ckt wiring from the KSEB power DB/UPSDB  24 SITC of wiring through recessed/ wall /floor/partition/surface using color coded 3runs of 2.5 sq mm PVC insulated FRLS stranded copper wire for phase/neutral and green color for earth through ISI marked 20 mm dia PVC conduit from UPS DB for UPS power station sincluding 4nos 5A 3 pin sockets controlled by one 15A master switch (modular) in metal box. Number of wires in one conduit shall be limited as per standards. Rate quoted is for the complete lenth of wiring from UPS DB. Master switch shall be in separate box at easily accessible position to operate by sitting on the chair (the item is treated as Main station.  25 Extension of UPS Stations from main station (Item no:16) to adjacent tables consisting of wires, switches &sockets same as that mentioned in item no:15a. Maximum three UPS power stations (of 4 sockets treated as one power station) can only be looped from one main station.  26 Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location. (for datacraft rack / I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  28 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wing (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 sq.mm PVC insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of 40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units					
including charges for chipping the wall or floor and making to original form. Rate is inclusive of cost of complete cit wiring from the KSEB power DB/UPSDB  24 SITC of wiring through recessed/ wall /floor/partition/surface using color coded 3runs of 2.5 sq mm PVC insulated FRLS stranded copper wire for phase/neutral and green color for earth through ISI marked 20 mm dia PVC conduit from UPS DB for UPS power station s including 4nos 5A 3 pin sockets controlled by one 15A master switch (modular) in metal box. Number of wires in one conduit shall be limited as per standards. Rate quoted is for the complete lenth of wiring from UPS DB. Master switch shall be in separate box at easily accessible position to operate by sitting on the chair (the item is treated as Main station.  25 Extension of UPS Stations from main station (Item no:16) to adjacent tables consisting of wires ,switches &sockets same as that mentioned in item no:15a. Maximum three UPS power stations (of 4 sockets treated as one power station) can only be looped from one main station.  26 Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location.(for datacraft rack / I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit  28 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 sq.mm PVC insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of 40A4P Isolator with suitable metallic enclosure  33 No  34 SITC of 40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units			5		
original form. Rate is inclusive of cost of complete ckt wiring from the KSEB power DB/UPSDB  24 SITC of wiring through recessed/ wall /floor/partition/surface using color coded 3runs of 2.5 sq mm PVC insulated FRLS stranded copper wire for phase/neutral and green color for earth through ISI marked 20 mm dia PVC conduit from UPS DB for UPS power station sincluding 4nos 5A 3 pin sockets controlled by one 15A master switch (modular) in metal box. Number of wires in one conduit shall be limited as per standards. Rate quoted is for the complete lenth of wiring from UPS DB. Master switch shall be in separate box at easily accessible position to operate by sitting on the chair (the item is treated as Main station.  25 Extension of UPS Stations from main station (Item no:16) to adjacent tables consisting of wires ,switches &sockets same as that mentioned in item no:15a. Maximum three UPS power stations (of 4 sockets treated as one power station) can only be looped from one main station.  26 Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location.(for datacraft rack / I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  28 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 sq.mm PVC insulated copper wire. (for UPS o/P COS to Computer DB)  32 SITC of 40A4P Isolator with suitable metallic enclosure  33 SITC of 40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units		=	5		
the KSEB power DB/UPSDB  24 SITC of wiring through recessed/ wall /floor/partition/surface using color coded 3runs of 2.5 sq mm PVC insulated FRLS stranded copper wire for phase/neutral and green color for earth through ISI marked 20 mm dia PVC conduit from UPS DB for UPS power station s including 4nos 54.3 pin sockets controlled by one 15A master switch (modular) in metal box .Number of wires in one conduit shall be limited as per standards .Rate quoted is for the complete lenth of wiring from UPS DB .Master switch shall be in separate box at easily accessible position to operate by sitting on the chair. (the item is treated as Main station .  25 Extension of UPS Stations from main station (Item no:16) to adjacent tables consisting of wires ,switches &sockets same as that mentioned in item no:15a. Maximum three UPS power stations (of 4 sockets treated as so ne power station) can only be looped from one main station.  26 Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location. (for datacraft rack / I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  28 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC insulated copper wire. (for UPS O/P COS to Computer OB)  32 SITC of 40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  33 No  34 SITC of 40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units					
STTC of wiring through recessed/ wall /floor/partition/surface using color coded 3runs of 2.5 sq mm PVC insulated FRLS stranded copper wire for phase/neutral and green color for earth through ISI marked 20 mm dia PVC conduit from UPS DB for UPS power stations including 4nos 5A 3 pin sockets controlled by one 15A master switch (modular) in metal box. Number of wires in one conduit shall be limited as per standards .Rate quoted is for the complete lenth of wiring from UPS DB. Master switch shall be in separate box at easily accessible position to operate by sitting on the chair.(the item is treated as Main station.  25 Extension of UPS Stations from main station (Item no:16) to adjacent tables consisting of wires switches &sockets same as that mentioned in item no:15a. Maximum three UPS power stations (of 4 sockets treated as one power station) can only be looped from one main station.  26 Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location.(for datacraft rack / I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  28 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring ( for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A4P Isolator with suitable metallic enclosure  33 No  34 SITC of40A4P Isolator with suitable weather proof encloser for supply to a Coutdoor units		•			
using color coded 3runs of 2.5 sq mm PVC insulated FRLS stranded copper wire for phase/neutral and green color for earth through ISI marked 20 mm dia PVC conduit from UPS DB for UPS power station s including 4nos 5A 3 pin sockets controlled by one 15A master switch (modular) in metal box .Number of wires in one conduit shall be limited as per standards. Rate quoted is for the complete lenth of wiring from UPS DB .Master switch shall be in separate box at easily accessible position to operate by sitting on the chair. (the item is treated as Main station .  25 Extension of UPS Stations from main station (Item no:16) to adjacent tables consisting of wires ,switches &sockets same as that mentioned in item no:15a. Maximum three UPS power stations (of 4 sockets treated as one power station) can only be looped from one main station.  26 Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location.(for datacraft rack / I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit  28 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of 40A4P Isolator with suitable meatallic enclosure  33 No  34 SITC of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic  1 No	2.4	•			
stranded copper wire for phase/neutral and green color for earth through ISI marked 20 mm dia PVC conduit from UPS DB for UPS power station is including 4nos SA 3 pin sockets controlled by one 15A master switch (modular) in metal box. Number of wires in one conduit shall be limited as per standards. Rate quoted is for the complete lenth of wiring from UPS DB. Master switch shall be in separate box at easily accessible position to operate by sitting on the chair. (the item is treated as Main station.  25	24				
through ISI marked 20 mm dia PVC conduit from UPS DB for UPS power station s including 4nos 5A 3 pin sockets controlled by one 15A master switch (modular) in metal box Number of wires in one conduit shall be limited as per standards .Rate quoted is for the complete lenth of wiring from UPS DB .Master switch shall be in separate box at easily accessible position to operate by sitting on the chair. (the item is treated as Main station .  25		9		Nos	
power station s including 4nos 5A 3 pin sockets controlled by one 15A master switch (modular) in metal box. Number of wires in one conduit shall be limited as per standards. Rate quoted is for the complete lenth of wiring from UPS DB. Master switch shall be in separate box at easily accessible position to operate by sitting on the chair (the item is treated as Main station.  25 Extension of UPS Stations from main station (Item no:16) to adjacent tables consisting of wires ,switches &sockets same as that mentioned in item no:15a. Maximum three UPS power stations (of 4 sockets treated as one power station) can only be looped from one main station.  26 Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location.(for datacraft rack /I/O Rack)  27 SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS (Cu.wire with 25mm dia PVC conduit (single Phase AC units)  28 SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS (Cu.wire with 25mm dia PVC conduit (single Phase AC units)  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS (Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS (Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A4P Isolator with suitable metallic enclosure  33 No  34 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  4 No					
15A master switch (modular) in metal box. Number of wires in one conduit shall be limited as per standards. Rate quoted is for the complete lenth of wiring from UPS DB. Master switch shall be in separate box at easily accessible position to operate by sitting on the chair. (the item is treated as Main station.  25					
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one conduit shall be limited as per standards. Rate quoted is for the complete lenth of wiring from UPS DB. Master switch shall be in separate box at easily accessible position to operate by sitting on the chair. (the item is treated as Main station.  25 Extension of UPS Stations from main station (Item no:16) to adjacent tables consisting of wires ,switches &sockets same as that mentioned in item no:15a. Maximum three UPS power stations (of 4 sockets treated as one power station) can only be looped from one main station.  26 Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location. (for datacraft rack / I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  Mtrs  28 SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  Mtrs  29 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring ( for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A4P Isolator with suitable metallic enclosure  33 No  34 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  40 Mtr.		· · · · · · · · · · · · · · · · · · ·	6		
in separate box at easily accessible position to operate by sitting on the chair. (the item is treated as Main station .  25 Extension of UPS Stations from main station (Item no:16) to adjacent tables consisting of wires ,switches &sockets same as that mentioned in item no:15a. Maximum three UPS power stations (of 4 sockets treated as one power station) can only be looped from one main station.  26 Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location. (for datacraft rack / I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit  28 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure  33 No  34 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  40 Mtr.		<u> </u>			
on the chair. (the item is treated as Main station .  25 Extension of UPS Stations from main station (Item no:16) to adjacent tables consisting of wires ,switches &sockets same as that mentioned in item no:15a. Maximum three UPS power stations (of 4 sockets treated as one power station) can only be looped from one main station.  26 Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location. (for datacraft rack / I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units )  28 SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units )  30 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of 40A2P Isolator with suitable metallic enclosure  33 No  34 SITC of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic  1 No		=			
25 Extension of UPS Stations from main station (Item no:16) to adjacent tables consisting of wires ,switches &sockets same as that mentioned in item no:15a. Maximum three UPS power stations (of 4 sockets treated as one power station) can only be looped from one main station.  26 Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location.(for datacraft rack / I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit  28 SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units )  Mtrs  29 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure  33 No  34 SITC of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic  1 No		in separate box at easily accessible position to operate by sitting			
adjacent tables consisting of wires ,switches &sockets same as that mentioned in item no:15a. Maximum three UPS power stations (of 4 sockets treated as one power station) can only be looped from one main station.  26 Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location.(for datacraft rack / I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit  28 SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  29 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure  33 No  34 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic  1 No		on the chair.(the item is treated as Main station.			
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adjacent tables consisting of wires ,switches &sockets same as that mentioned in item no:15a. Maximum three UPS power stations (of 4 sockets treated as one power station) can only be looped from one main station.  26 Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location.(for datacraft rack / I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit  28 SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  29 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure  33 No  34 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic  1 No					
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stations (of 4 sockets treated as one power station) can only be looped from one main station.  26 Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location.(for datacraft rack / I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit  28 SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  29 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  40 No  31 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic		adjacent tables consisting of wires ,switches &sockets same as			
looped from one main station.   26   Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location.(for datacraft rack / I/O Rack)   No   No		that mentioned in item no:15a. Maximum three UPS power	10	Nos	
26 Same as above but for 2 Nos. modular type 15 A 3 pin plug points with 2 nos. 15A modular type switch in separate location.(for datacraft rack / I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit  28 SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  29 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A4P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No  34 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic  1 No		stations (of 4 sockets treated as one power station) can only be			
with 2 nos. 15A modular type switch in separate location.(for datacraft rack / I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit  28 SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  29 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  34 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic  1 No		looped from one main station.			
datacraft rack / I/O Rack)  27 SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit  28 SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  Mtrs  29 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  Mtrs  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  34 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic  1 No	26	Same as above but for 2 Nos. modular type 15 A 3 pin plug points	1		
SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit  SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  SITC of40A2P Isolator with suitable metallic enclosure  3 No  SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No		with 2 nos. 15A modular type switch in separate location.(for			
Cu.wire with 25mm dia PVC conduit  28 SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  Mtrs  29 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No		datacraft rack / I/O Rack)		No	
SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  Mtrs  SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  Mtrs  SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  Same as above but with 3 x 6 sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  SITC of40A2P Isolator with suitable metallic enclosure  3 No  SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No	27	SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS	280		
SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit (single Phase AC units)  Mtrs  SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring (for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  SITC of40A2P Isolator with suitable metallic enclosure  3 No  SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No  34 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic		Cu.wire with 25mm dia PVC conduit			
Cu.wire with 25mm dia PVC conduit (single Phase AC units)  Mtrs  29 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring ( for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No				Mtrs	
Cu.wire with 25mm dia PVC conduit (single Phase AC units)  Mtrs  29 SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring ( for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No	28	SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS	250		
SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  Mtrs  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring ( for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure 3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units 3 No					
SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring ( for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No					
Cu.wire with 25mm dia PVC conduit for DG battery charger Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring ( for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No				Mtrs	
Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring ( for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  40 Mtr.  32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No	29	SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS	80		
Circuit and remote ON/ OFF  30 SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring ( for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  40 Mtr.  32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No		Cu.wire with 25mm dia PVC conduit for DG battery charger			
SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS Cu.wire with 25mm dia PVC conduit for DG control circuit wiring ( for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No		,			
Cu.wire with 25mm dia PVC conduit for DG control circuit wiring ( for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No  34 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic  1 No		·		Mtrs	
Cu.wire with 25mm dia PVC conduit for DG control circuit wiring ( for providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No  34 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic  1 No	30	SITC of wiring using 3R x 1.5 sq.mm PVC insulated stranded FRLS			
providing ON/ OFF Control from branch to DG set and for battery Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  40 Mtr.  32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No  34 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic  1 No		· · · · · · · · · · · · · · · · · · ·			
Charger supply)  31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  40 Mtr.  32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No  34 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic  1 No		• (	50	Mtr.	
31 Same as above but with 3 x 6 Sq.mm PVC Insulated copper wire. (for UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No  34 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic  1 No		, e			
UPS O/P COS to Computer DB)  32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No  34 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic  1 No	21				
32 SITC of40A2P Isolator with suitable metallic enclosure  3 No  33 SITC of40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No  34 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic  1 No	31	,	40	V 14	
33 SITC of 40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No  34 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic  1 No			_	WILF.	
33 SITC of 40A4P Isolator with suitable weather proof encloser for supply to aC outdoor units  3 No  34 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic  1 No	32	STIC 014UAZP ISOIATOR WITH SUITABLE METAILIC ENCLOSURE	3	No	
supply to aC outdoor units  3 No  34 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic 1 No	33	SITC of40A4P Isolator with suitable weather proof encloser for			
34 SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic 1 No		•	3	No	
l I I I I I I I I I I I I I I I I I I I					
box for 3 Ph UPS input	34	SITE of 32A/40 A 4 P MCB + 40A, 100 mA, ELCB in suitable metallic	1	No	
		box for 3 Ph UPS input	ı	INU	

	0 1 1 1 1 10 1 1 1 1 0 0 0 0 0 0			
35	Supply and providing 16 A plug top and 1.5m long 3 core 2.5Sqmm flexible copper cable for taking incoming supply from 16A socket. Cable should be given through a flexible hose & hook should be given for hanging the flesible hose (For UPS supply to back office			
	managers, manager & KSEB supply to strong room, line printer and kitchen)	4	No.	
36	Supply and installation of 25/32A DP ELCB 100 mA in manufacturers			
	own enclosure for protection of board light, security light and for			
	single phase AC units.	3	No.	
37	Supply and Installation of 25A Modular type 3 pin plug socket with			
	suitable metallic box for air conditioners.	3	No.	
38	Supply and installation of 25/32A combined Power plug & 20/32A SP MCB in suitable PVC/metallic box. (North West or equivalent make) for connecting AC stabiliser near VDB/ UPS in pit sockets.			
	·	3	No.	
39	Supply and Installation of 25/32A Modular type DP switch (2module)			 
	with indicator mounted on suitable metallic/PVC box for the local			
	control of the air conditioners.	3	No.	 
40	Supply and Installation of 20/32A 4 Pole MCB in suitable metallic enclosure	3	Nec	 
14	for the local control of 3 Phase Acs. Supply and Fixing of modular TV Socket		Nos.	
		1	No	
	Supply and laying of ISI marked 20 mm dia PVC conduit in wall after chipping or in partitions for data line	30	Mtrs	
43	KSEB/DG Indication lamp wiring using 3 nos LED indication lamp with 3 nos 6A switch for indicating KSEB supply using 1sq.mm wire though pvc pipe	1	Set	
44	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 KSEB / UPS plug sockets			
	and generator switch boards) using white / black paint and stencil.			
	(free hand writing not allowed). Good quality stickers may also be			
	used.	1	LS	
45	Charges for preparation of single line diagram of the whole electrical			
	installation using AutoCAD, lamination and displaying it inside the	1		
	UPS room.		LS	
46	Charges for marking the telephone sockets and its correspondonding			
	cable in the KRONE Box and preparation of single line diagram /			
	layout of the whole telephone wiring showing location and			
	numbering marked in the plan using AutoCAD, lamination and			
	displaying it inside the Server Room/Manager Cabin.	_		
		1	LS	
47	Charges for preparation of as build layout of the premises indicating			
	position of the earth pits along with the readings and date using			
	AutoCAD, lamination and displaying it inside the UPS room.			
		1	Ls	
48	Service charge for liaison work with KSEB authorities on behalf of			
	bank for getting power allocation and final sanction for additional			
	load, getting order for statutory payments, shifting/replacement of			
	suitable energy meter if necessary, submission of completion report,			
	obtaining final load sanction from KSEB.		, ,	
		1	LS	

40	6		l	I	
	Service charge for preparation of electrical schematic drawings and				
	for liaison work with Electrical Inspectorate on behalf of				
	bankincluding testing of energy meter, site inspection for getting				
	approval / energisation sanction for DG set	1	10		
FO	Supply 8 neat placing of cafety items in placetrical team	1	LS		
	Supply & neat placing of safety items in electrical room  Caution board				
a		1	No.		
	Shock treatment chart	1	No.		
	Rubber gloves	1	Pair		
	Supply of electrical grade rubber mat	21	Sft		
_	<u>LIGHT FIXTURES &amp; FANS</u>				
	Supply and Installation of Philips Green square LED Luminare Cat.				
	No.RC380B LED 28S-6500 L60W60 PSI OD or equivalent (including				
	fixing frame if any required) or equivalent. ( Bank has the discretion	14	No.		
	to supply the light fitttings if necessary)				
_	Supply and installation of 9W LED bulb with angle holder (Toilets &	10	Nos		
	wash area)		.,00		
	Supply & installation of 1 X18 Watts Philips Green LED I 200 DN	0.5	NI-		
	193B LED light fitting with lamps and white reflector on false	25	Nos.		
	ceiling (including UPS Lights) Supply and fixing of 18W 4 ft LED tube light fitting (Philips BN 021 or				
	equavalent)	15	Nos		
	Supply and installation of LED strip along with drive (Blue / White)	10	1100		
	along with profile channel for fixing the same	60	RM		
	Supply & installation of calling bell	1	Nos		
	Supply and installation of 9" size medium duty exhaust fan.	ı	1103		
	(Toilets) Almonard make	4	Nos.		
_	Supply and installation of 12" size heavy duty exhaust fan. (UPS	-	1		
	Room) Almonard make	1	No.		
	Supply and Installation of 450 mm sweep wall fan with metal frame				
	and body. Crompton Greaves / Usha equivalent				
	, ,	10	No.		
j	Supply and providing of 6A, 3 pin modular socket on suitable metal	10	Nos.		
	box for wall fan.	IU	INUS.		
	Supply and installation of 1200mm sweep ceiling fan. (Crompton	9	No.		
-	Greaves High Speed double ball bearing type)				
-	Supply and providing fan hook on ceiling.	10	No.		
m	Supply and providing fan rod with painting (upto 1m length)	10	Nos.		
	(other than that supplied with fan and if required)				
	Supply and providing <b>tinned</b> copper earth bench using 25 x 3 mm	5	Nos.		
	copper strip (25 Cm in length)				
	Supply and installation of Cut off timer for External lights (to be	•	l		
	installed near VDB).( Make Legrand/ Protonix/ L & T)	2	No.		
р	10W LED bulk head light fittings(Philips WP 202 or equavalent)	8	No		
q	Supply and installation of cut off timer with contactor for alternate				
	working of UPS room exhaust fans (Contactor L & T MNX 9 or				
	equivalent)	1	Set		
	PART - B				

а	Supply and wiring using 2 pair telephone cable 20mm PVC conduit			
	from the EPABX to the individual points. One separate cable for each			
	point. Number of cables in one conduit limited to 5.			
b	2 pair telephone cabling 0.5Sqmm	330	m	
2	20 pair telephone cabling (1 run for EPABX)	45	m	
	Supply and fixing of RJ 11 type modular telephone socket on suitable			
а	PVC / metal boxes.			
b	Telephone socket - single (modular type)	8	No.	
3	Telephone socket - double (modular type)	1	No.	
	Supply and installation of KRONE connector telephone junction box			
	of 20 pair.	1	No.	
	PART - C			
1	MUSIC SYSTEM			
2	Supply and wiring as per colour code with 2.50Sqmm PVC insulated			
	stranded copper wire 2 runs through ISI grade 20mm conduit for			
	speakers.	120	m	
3	Supply and providing 9W recessed type speakers on ceiling CS 663			
	T Ahuja make speaker.	6	No.	
	Supply and installation of Ahuja make 28W Amplifier with USB port.			
4	Model: <b>Ahuja DPA 370</b>	1	No.	
	Total Base Amount			