	Chamaravattom branch New premises Electrical	Worl	s BOC	)		
	PART A			-	IMATE	
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 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		361			
2	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 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	<b>Non Essential Load DB (VDB):</b> Supply, Installation, testing and 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	<u>AC</u> <u>DB</u> : Supply, Installation, testing and commissioning of Double door 4 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- 3 no (To 3 Phase AC units & Spare)					
	10/16/20A/32A, SP MCB (C-Series) - 3 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)					

1	Complete with all inter connections.	1.00	Set	
7	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	2.00	001	
0	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	
	<b>UPS INPUT DB:</b> Supply Erection, testing and commissioning	1.00	061	
9	of 32/40 A 2P MCB + 32 A DP ELCB 100 mA in suitable	3	Set	
9	metallic enclosure	3	Set	
10	<b>UPS OUTPUT</b> : Supply and installation of 32/40A DP MCB in			
10	suitable metallic enclosure for UPS input/Output	3	Nos.	
11	UPS CHANGE OVER PANEL Supply erection testing and			
	commissioning of <b>2 Nos. 40A rotary type</b> change over switch in			
	suitable metal box with <b>4 Nos. LED indicator</b> for input / output	1.00	Set	
	identification. UPS Output change over switch board.			
12	<u>COMPUTER</u> <u>DB</u> Supply, erection, testing and commissioning of wall			
12	mounted type double door dust and vermin proof 8 way SPN MCB			
	DB fixed on wall comprising the following:			
	bb fixed off wait comprising the following.			
	25/32A, High Immunity DP RCBO 30mA 25/32A - 1 No.			
	6A / 16A MCB - 6 Nos.			
	SPN MCB DB -8 way	2	Set	
13	SPN UPS DB for ATM Supply, erection, testing and commissioning	-	001	
10	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	SPN MCB DB - 8 way CABLE LAYING AND TERMINATIONS Supply, laving and dressing	1	Set	
14	CABLE LAYING AND TERMINATIONS Supply, laying and dressing	1	Set	
14	<b>CABLE LAYING</b> AND TERMINATIONS Supply, laying and dressing of the following size of 1.1 KV grade PVC insulated armoured cable	1	Set	
14	<b>CABLE LAYING</b> 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 /	1	Set	
14	<b>CABLE LAYING</b> AND TERMINATIONS Supply, laying and dressing of the following size of 1.1 KV grade PVC insulated armoured cable	1	Set	
14	<b>CABLE LAYING</b> 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 /	1	Set Mtr.	
14	<b>CABLE LAYING</b> 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.	60	Mtr.	
14	CABLE LAYINGAND TERMINATIONSSupply, laying and dressingof the following size of 1.1 KV grade PVC insulated armoured cablewith aluminium conductor concealed or clamped on wall / ceiling /trench / cable traylamps if necessary.i) 3.5 x 35 Sq.mm AYFY (Main cable )			
14	CABLE LAYINGANDTERMINATIONSSupply, laying and dressingof the following size of 1.1 KV grade PVC insulated armoured cablewith aluminium conductor concealed or clamped on wall / ceiling / trench / cable traylamps if necessary.i) 3.5 x 35 Sq.mm AYFY (Main cable )ii) 4 x 25 Sq.mm AYFY (From MSB to Non Essential & Essential DB, Cut	60 80	Mtr. Mtr.	
14	<ul> <li><u>CABLE LAYING</u> <u>AND</u> <u>TERMINATIONS</u> 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.</li> <li>i) 3.5 x 35 Sq.mm AYFY (Main cable )</li> <li>ii) 4 x 25 Sq.mm AYFY (From MSB to Non Essential &amp;Essential DB, Cut off MCCB to Non Essential DB)</li> </ul>	60	Mtr.	
14	<ul> <li>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.</li> <li>i) 3.5 x 35 Sq.mm AYFY (Main cable )</li> <li>ii) 4 x 25 Sq.mm AYFY (From MSB to Non Essential &amp;Essential DB, Cut off MCCB to Non Essential DB)</li> <li>iii) 4x10 Sq.mm AYFY (From Non Essential DB to LDB, PDB and</li> </ul>	60 80	Mtr. Mtr.	
	CABLELAYINGANDTERMINATIONSSupply, laying and dressingof the following size of 1.1 KV grade PVC insulated armoured cablewith aluminium conductor concealed or clamped on wall / ceiling / trench / cable traylamps if necessary.i) 3.5 x 35 Sq.mm AYFY (Main cable )ii) 4 x 25 Sq.mm AYFY (From MSB to Non Essential &Essential DB, Cut off MCCB to Non Essential DB)iii) 4x10 Sq.mm AYFY (From Non Essential DB to LDB, PDB and Essential DB to ATM DB )	60 80 85	Mtr. Mtr. Mtr.	
	<ul> <li>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.</li> <li>i) 3.5 x 35 Sq.mm AYFY (Main cable )</li> <li>ii) 4 x 25 Sq.mm AYFY (From MSB to Non Essential &amp;Essential DB, Cut off MCCB to Non Essential DB)</li> <li>iii) 4x10 Sq.mm AYFY (From Non Essential DB to LDB, PDB and Essential DB to ATM DB )</li> <li>iv) 4X16 Sq.mm AYFY ( Cable to DG Set )</li> </ul>	60 80 85	Mtr. Mtr. Mtr.	
	<ul> <li>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.</li> <li>i) 3.5 x 35 Sq.mm AYFY (Main cable )</li> <li>ii) 4 x 25 Sq.mm AYFY (From MSB to Non Essential &amp;Essential DB, Cut off MCCB to Non Essential DB)</li> <li>iii) 4x10 Sq.mm AYFY (From Non Essential DB to LDB, PDB and Essential DB to ATM DB )</li> <li>iv) 4X16 Sq.mm AYFY (Cable to DG Set)</li> </ul>	60 80 85	Mtr. Mtr. Mtr.	
	<ul> <li>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.</li> <li>i) 3.5 x 35 Sq.mm AYFY (Main cable )</li> <li>ii) 4 x 25 Sq.mm AYFY (From MSB to Non Essential &amp;Essential DB, Cut off MCCB to Non Essential DB)</li> <li>iii) 4x10 Sq.mm AYFY (From Non Essential DB to LDB, PDB and Essential DB to ATM DB )</li> <li>iv) 4X16 Sq.mm AYFY (Cable to DG Set)</li> <li>End termination of the following size of cables using flange type cable glands and heavy duty tinned aluminium crimping type cable</li> </ul>	60 80 85	Mtr. Mtr. Mtr.	
	<ul> <li>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.</li> <li>i) 3.5 x 35 Sq.mm AYFY (Main cable )</li> <li>ii) 4 x 25 Sq.mm AYFY (From MSB to Non Essential &amp;Essential DB, Cut off MCCB to Non Essential DB)</li> <li>iii) 4x10 Sq.mm AYFY (From Non Essential DB to LDB, PDB and Essential DB to ATM DB )</li> <li>iv) 4X16 Sq.mm AYFY (Cable to DG Set)</li> <li>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.</li> </ul>	60 80 85 60	Mtr. Mtr. Mtr. Mtr	

	iv) 4X16 Sq.mm 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			
I	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	•	110.	
17	earthing	1	No	
18	EARTH CONDUCTORS Supply and laying of the following size of			
10	bare copper conductor along with above cables, for interconnections			
	between panels, DBs, change over switches etc.and also for			
	interconnections between earth pits.			
	interconnections between earth pits.			
	i) No.10 SWG	320	Mtr.	
	ii) No. 4 SWG	20	Mtr	
	iii) No.6 SWG	45	Mtr	
19	Supply and laying of 2 X No. 10 SWG copper conductor through			
	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.	
	WIRING FOR LIGHT, FAN, PLUG, SOCKETS ETC			
21	Wiring for light,fan,plug-sockets			
а				
	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		Nos	
	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	63		
	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.			
	norm in ownence, society switch bounds shan be modular type.			
	Wherever wires are drawn on walls it shall be concealed by			
	Wherever wires are drawn on walls it shall be concealed by chipping the plaster using proper machine .Where conduits are			
	chipping the plaster using proper machine .Where conduits are			
	chipping the plaster using proper machine .Where conduits are drawn above false ceiling ,it shall be firmly clamped on the			
	chipping the plaster using proper machine .Where conduits are			
	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			
b	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	4	Nos	
b c	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	4	Nos	 
	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 Same as above but controlling two lights by one switch			
с	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 Same as above but controlling two lights by one switch Same as above but controlling three lights by one switch		Nos	

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	1	No	
	on modului switch and place with rachtmation for external lights			
f	SITC of wiring for 6 or 10 nos LED down lighters in parallel		Nos	
	connected to UPS supply with single control using 5A modular			
	switch and plate with identification.			
g	SITC of 6A 3 pin plug socket with 6A switch with inter	10	Nos	
C	connections complete(combined in switch board)	10		
h	SITC of 6A 3 pin plug socket with 6A switch with inter	6	Nos	
	connections complete(independent plus points)	0		
g	SITC of 2 nos of 6A 3 pin plug socket with 6A switch with inter	1	No	
	connections complete(for TV Supply)	I		
22	SITC of wiring through wall /floor etc recessed using color coded		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 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	8		
	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)			
23	SITC of wiring through wall /floor etc recessed using color coded		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	5		
	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		Nos	
	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	4		
	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 LIDS Stations from main station (Itom no.1() to			
25	Extension of UPS Stations from main station (Item no:16) to			
	adjacent tables consisting of wires ,switches &sockets same as	7	Nee	
	that mentioned in item no:15a. Maximum three UPS power	7	Nos	
	stations (of 4 sockets treated as one power station) can only be			
26	looped from one main station.	1		
26	Same as above but for 2 Nos. modular type 15 A 3 pin plug points	1		
	with 2 nos. 15A modular type switch in separate location.(for		N	
	datacraft rack / I/O Rack)		No	

			-	
27	SITC of wiring using 5R x 4 sq.mm PVC insulated stranded FRLS	200		
	Cu.wire with 25mm dia PVC conduit			
			Mtrs	
28	SITC of wiring using 3R x 4 sq.mm PVC insulated stranded FRLS	180		
20	Cu.wire with 25mm dia PVC conduit (single Phase AC units )	100		
	cu.wife with 25inin that FVC conduit (single Filase AC units )			
			Mtrs	
29	SITC of wiring using 3R x 2.5 sq.mm PVC insulated stranded FRLS	80		
	Cu.wire with 25mm dia PVC conduit for DG battery charger			
	Circuit and remote ON/ OFF			
			Mtrs	
30	SITC of wiring using 2D v 1.5 on mm DV/C insulated stranded EDLS			
50	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	30	Mtr.	
	providing ON/ OFF Control from branch to DG set and for battery	50	iviti .	
	Charger supply)			
21				
31	Same as above but with <b>3 x 6</b> Sq.mm PVC Insulated copper wire. (for	40		
	UPS O/P COS to Computer DB)	40	Mtr.	
32	SITC of32/40A2P 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			
07	box for 3 Ph UPS input	1	No	
35	Supply and providing 16 A plug top and 1.5m long 3 core 2.5Sqmm			
- 35	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				
30	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	•		
30	MCB in suitable PVC/metallic box. (North West or equivalent make)			
	for connecting AC stabiliser near VDB/ UPS in pit sockets.			
	Tor connecting AC stabiliser near VDD/ OF 5 in pit sockets.	3	No.	
20	Supply and Installation of 25/224 Medules time DD suiteb (200 study)			
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			
	for the local control of 3 Phase Acs.	3	Nos.	
41	Supply and Fixing of modular TV Socket	1	No	
42	Supply and laying of ISI marked 20 mm dia PVC conduit in wall after chipping		1	
'-	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	
49	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	LS	
50	Supply & neat placing of safety items in electrical room			
а	Caution board	1	No.	
b	Shock treatment chart	1	No.	
С	Rubber gloves	1	Pair	
d	Supply of electrical grade rubber mat	21	Sft	
49	LIGHT FIXTURES & FANS			
а	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	13	No.	
	to supply the light fittings if necessary)			
b	Supply and installation of 9W LED bulb with angle holder (Toilets &	40	NI	
	wash area)	10	Nos	
С	Supply & installation of 1 X18 Watts Philips Green LED I 200 DN			
	193B LED light fitiing with lamps and white reflector on false	20	Nos.	
	ceiling (including UPS Lights)			

d	Supply and fixing of 18W 4 ft LED tube light fitting (Philips BN 021 or	45	NL	
	equavalent)	15	Nos	
е	Supply and installation of LED strip along with drive (Blue / White)	60	RM	
4	along with profile channel for fixing the same			
f	Supply & installation of calling bell	1	Nos	
g	Supply and installation of 9" size medium duty exhaust fan. (Toilets) Almonard make	4	Nos.	
h	Supply and installation of 12" size heavy duty exhaust fan. (UPS	7	1103.	
	Room) Almonard make	1	No.	
i	Supply and Installation of 450 mm sweep wall fan with metal frame			
	and body. Crompton Greaves / Usha equivalent			
		8	No.	
j	Supply and providing of 6A, 3 pin modular socket on suitable metal	8	Nos.	
	box for wall fan.	-		 
k	Supply and installation of 1200mm sweep ceiling fan. (Crompton Greaves High Speed double ball bearing type)	9	No.	
	Supply and providing fan hook on ceiling.	9	No.	
m	Supply and providing fan rod with painting (upto 1m length)			
	(other than that supplied with fan and if required)	9	Nos.	
n	Supply and providing <b>tinned</b> copper earth bench using 25 x 3 mm			
	copper strip (25 Cm in length)	5	Nos.	
0	Supply and installation of Cut off timer for External lights (to be			
	installed near VDB).( Make Legrand/ Protonix/ L & T)	2	No.	
р	10W LED bulk head light fittings(Philips WP 202 or equavalent)	6	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			
1	TELEPHONE			
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	300	m	
2	20 pair telephone cabling (1 run for EPABX)	30	m	
	Supply and fixing of RJ 11 type modular telephone socket on suitable			
а	PVC / metal boxes.			
b	Telephone socket - single (modular type)	7	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			1	
	Supply and providing 9W recessed type speakers on ceiling CS 663		NI-	
	T Ahuja make speaker.	5	No.	
	<b>T Ahuja</b> make speaker. Supply and installation of Ahuja make 28W Amplifier with USB port.	5		
4	T Ahuja make speaker.		No. No.	