SL.NO.	DESCRIPTION OF ITEMS	UNIT	QUANTITY
	1.1 ELECTRICAL WIRING WORK		
1.0	Concealed / ressessed / surface point etc. wiring using 1100V **FRLS grade** 3R (P+N+E) x 1.5 Sq.mm FRLS multi stranded copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through rigid **FR/FRLS** PVC conduits of 20mm Dia 1.5 mm thick laid concealed over false ceiling or in wall chases or on the ceiling in case of an open ceiling, with modular type switch plate, switches, GI concealed back box, etc. of legrand mylinc or equivalent make. S.I.T.C.(Supply Installation Testing And Commissioning) as directed by the Engineer-in-charge. (Each circuit shall not feed more than 8 points OR 800 watts as per following configuration.)		
	NOTE:- 1. Only FRLS wire shall be used; 2. The wires from ceiling junction to light points / light fixture shall be drawn in flexible PVC conduit with adptor & cover for junction box & crimp type lugs at both the ends alongwith necessary hardware & accessories, etc. as required; 4. Looping of Neutral / Earth wire between two seperate Primary / Full Points is strictly not allowed; 5. Looping of Neutral / Earth wire between two seperate circuits on similar or other phase is strictly not allowed; 6. Ferulling / numbering / taggning to wires with circuit number & db name for all lighting & raw / ups power shall be strictly followed at both DB & switch board / switch socket boards ends.		
1.1	Primary light/Call bell points including the cost of clip in type 6A Modular switch of legrand mylinc or equivalent make. S.I.T.C. as directed by the Engineer-in-charge.(1 light controlled by one switch)	**Nos.**	**75.00**
1.2	Primary Celing Fan points including the cost of clip in type 6A Modular switch of legrand mylinc or equivalent make. S.I.T.C. as directed by the Engineer-in-charge.(1 fan controlled by one switch)	**Nos.**	**9.00**
1.3	Subsequent point (Looped From Primary)	**Nos**	**40.00**
1.4	Independent point using one 6 Amp Modular Switch and one 6 Amp, 2/3 pin Modular scoket of legrand mylinc or equivalent make mounted on a sutable size Box for wall fans. S.I.T.C. as directed by the Engineer-in-charge	**Nos**	**27.00**
1.5	6 Amp 2/3 pin Modular scoket with 6A Modular switch. (on common switch Board.)	**Nos.**	**8.00**
1.6	Primary light points including the cost of clip in type 6A Modular switch of legrand mylinc or equivalent make & model as approved by project in charge. (I light controlled by one switch UPS point)	**Nos.**	**8.00**

2.0	Concealed power point using 16 Amp 3 Pin plug socket with 16 Amp Modular switch of legrand mylinc or equivalent make mounted on separate board using suitable size galvanized iron junction & switch boxes & clip in type modular type switch plate,etc. Supply taken from R.D.B./ Nearest L.D.B wiring using 1100V FRLS grade 2R (P+N) x 2.5 Sq.mm +1R (E) x 1.5 Sq.mm FRLS multi stranded copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick . The point should not taken from any switch Board. S.I.T.C. as directed by the Engineer-in-charge.	**Nos**	**3.00**
3.0	Concealed raw power(T.V. point) using 3 nos of 6 Amp 3 Pin Modular plug socket with 3 nos of 6 Amp Modular switch of legrand mylinc or equivalent make on separate board using galvanized iron junction & switch boxes & clip in type modular type switch plate, GI/PVC concealed back box, etc. supply taken from R.D.B./ Nearest L.D.B.wiring using 1100V FRLS grade 2R (P+N) x 2.5 Sq.mm +1R (E) x 1.5 Sq.mm FRLS multi stranded copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick .The point should not taken from any switch Board. S.I.T.C. as directed by the Engineer-in-charge	**Nos**	**2.00**
4.0	Concealed raw power point using 6 Amp, 2/3 Pin Modular plug socket with 6 Amp Modular switch of legrand mylinc or equivalent make on separate board using galvanized iron junction & switch boxes & clip in type modular type switch plate, switches, GI/PVC concealed back box, etc. Supply taken from Nearest L.D.B.wiring using 1100V FRLS grade 2R (P+N) x 2.5 Sq.mm +1R (E) x 1.5 Sq.mm FRLS multi stranded copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick. Maximun 3 Points per Circuit for counter & Table.	**Nos**	**41.00**
5.0	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade multi standard **FRLS** copper wire run inside rigid **FR/FRLS** PVC conduits of 20mm Dia 1.5 mm thick of ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.		
5.1	Recessed wiring with (2Rx2.5sqmm +1Rx1.5sqmm) copper wire (LDB/RDB to Common Switch board and Points)	**Mts**	**390.00**
5.2	Recessed wiring with (2Rx4.0sqmm +1Rx2.5sqmm) copper wire (LDB to Power Points)	**Mts**	**60.00**
5.3	Recessed wiring with (2Rx6.0 sqmm +1Rx4.0 sqmm) copper wire (PANEL to L.D.B.)	**Mts**	**90.00**
5.4	Recessed wiring with (4Rx10sqmm + 2Rx6sqmm) copper wire (PANEL to U.P.S. input)	**Mts**	**5.00**

6.0	S & I of 1100V grade Aluminium armoured cable having sector / circular shaped aluminium conductor PVC insulated cores, laid up, PVC tape wrapped inner sheathed, GI strip / wire armoured and overall extruded PVC sheathed confirming to IS: 1554, laid on wall or ceiling using GI clamps and spacers as per route shown at site and further as directed by Bank / Architect in the following sizes.		
6.1	Surface wiring with (95 sqmm) 3½ core armored almunium cable. (Main Panel input)	**Mts**	**30.00**
7.0	GLANDING & TERMINATION :- Supply & Installation of end termination of above mentioned cables including compressed type brass glands, crimping type aluminium lugs, insulation tape etc. as required complete with earthing of glands in following sizes :-		
7.1	(95 sqmm) 3½ core armored almunium cable.	**Nos**	**1.00**
	TOTAL FOR ELECTRICAL WIRING WORK		
	1.2 COMPUTER WIRING WORK		
1.0	Supplt and fixing of concealed UPS power points using 1 nos. of 16 Amp, Modular switches to be provided on table top + 4 nos. 6 Amp 3 Pin Modular socket below table top of legrand mylinc or equivalent make taken from Nearest C.D.B with sutable size galvanized iron/PVC junction & switch boxes & clip in type modular type switch plate, GI/PVC concealed back box, etc. Maximun 3 Points per Circuit for counter & Table. S.I.T.C. as directed by the Engineer-in-charge.	**SET**	**43.00**
2.0	Supplt and fixing of concealed UPS power points using clip in modular type 5 No. of 6/16 amp socket points controlled by 2 No of 16 amp modular switch with indicator of legrand mylinc or equivalent make taken from Nearest C.D.B with galvanized iron junction & switch boxes & clip in type modular type switch plate, switches, GI concealed black box, etc. . The point should not from any switch Board S.I.T.C. as directed by the Engineer-in-charge.	**SET**	**2.00**
3.0	Supply of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated1100V FRLS grade 3R (P+N+E) x folling size **FRLS** multi stranded copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through rigid **FR/FRLS PVC conduits** of 20mm Dia 1.5 mm thick ISI mark laid concealed over false ceiling or in wall chases or on the ceiling in case of an open ceiling including of as required and multy stranded copper wire of folling size as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.		
3.1	Concealed wiring with (2Rx2.5sqmm +1Rx1.5sqmm) copper wire (C.D.B. to Computer Points)	**Mts**	**725.00**
3.2	Recessed wiring with (2Rx4.0sqmm +1Rx2.5sqmm) copper wire (UPS Out put to CDB)	**Mts**	**180.00**
	TOTAL FOR COMPUTER WIRING WORK		
	1.3 A.C. WIRING WORK		

1.0	Supply & Installation of all required materials and wiring to Split AC point 25 Amp 3 Pin Modulat socket mouted on suitable size concealed GI Box near to the AC controlled by 25 Amp DP isolator Enclosed in Powder coated DP Encloser of Legrand Ekinox3 model or Equivalent make taken from Nearest A.C..D.B/ M.L.D.B. with galvanized iron junction & switch boxes & clip in type modular type switch plate, switches, GI concealed back box, etc. of legrand mylinc or equivalent make.The point should not taken from any switch Board S.I.T.C. as directed by the Engineer-in-charge.	**Nos.**	**5.00**
2.0	Supply and installation of Concelaed 20A/25A, 415 V FP Isolator mounted in a prefabricated powder coated FP metal enclosure (legrand make Ekinox3 model or equivalent make) concealed and complete to the satisfaction of Bank for 3 TR Cassatte AC.S.I.T.C. as directed by the Engineer-in-charge	**Nos**	**4.00**
2.0	Supply and Installation of all required materials and wiring to circuits/ submains with following number and sizes of PVC insulated 1100 volt grade standard **FRLS** copper wire run through rigid **FR/FRLS PVC** conduits of 20mm/32mm Dia 1.5 mm thick ISI mark as required and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.		
2.1	Concealed wiring with 2 X 4sq. mm + 1 X 2.5sqmm copper wire (From ACDB/M.L.D.B. to 2.0 Ton Cassette /Split A.C. points through DP Isolator.)	**Mts**	**80.00**
2.2	Concealed/Surface wiring with 4sq. mm 4 Core, XLPE Insulated, Copper Armoured Cable with 2R X 2.5 sq. mm copper FRLS wire. (From ACDB to Cassette A.C)	**Mts.**	**60.00**
3.0	S & I of 1100V grade Aluminium armoured cable having sector / circular shaped aluminium conductor PVC insulated cores, laid up, PVC tape wrapped inner sheathed, GI strip / wire armoured and overall extruded PVC sheathed confirming to IS: 1554, laid on wall or ceiling using GI clamps and spacers as per route shown at site and further as directed by Bank / Architect in the following sizes.		
3.1	Surface wiring with (16 sqmm) 4 core armored almunium cable. (Panel to A.C DB)	**Mts**	**30.00**
4.0	GLANDING & TERMINATION :- Supply & Installation of end termination of above mentioned cables including compressed type brass glands, crimping type aluminium lugs, insulation tape etc. as required complete with earthing of glands in following sizes :-		
4.1	(16 sqmm) 4 core armored almunium cable	**Nos**	**2.00**
	TOTAL FOR AC WIRING WORK		
	2. DISTRIBUTION BOARDS.		
1.0	**Main Panel Board**	**Set**	**1.00**

	Supply, delivery, installation , testing , commissioning , of indoor wall mounted , type distribution boards made out of 2 mm thk. CR sheet metal painted with 2 coats of enamel paint compartment arrangement for each equipment & bus bar chamber on the top of the panel running horizontal through , vermin proof having provision cable by conduit entry , earthling stud as per specification mentioned below duly factory wired confirming to the relevant ISS & as per special condition of contract , making good the damages M.S. Cubical type Panel board should have hinged door at the front. The panel shall be provided with all accessories & following arrangements complete in all respect & direction of EIC (before fabrication of panel board drawing is to be approved by Engineer-in-charge). The Contractor should Submit The Testing Cartificate to the Client after Installation.		
	Incoming :-		
	1No 160A- 25KA - 4POLE -MCCB.		
	1 set of 200A TPN copper bus bar (20 X 9 mm)		
	1No 100A- 16KA - 4POLE -MCCB.		
	1 set of 100A TPN copper bus bar(16 X 5 mm)		
	63A, 4-POLE Change over		
	1 set of 100 A TPN copper bus bar(16 X 5 mm)		
	Out going :-		
	1 Nos 63 A 4P MCB for A.C.D.B.		
	1 Nos 63 A 4P MCB, Spare		
	1 Nos 40A, 4P MCB, for U.P.S.		
	1 Nos 40A, 4P MCB, Spare		
	3 Nos 32 A DP MCB for L.D.B.		
	1 Nos 32 A DP MCB, Spare		
	2 Nos 25 A DP MCB for 1.5 tr Cassette AC		
	1 Nos 25 A DP MCB for Glow sign board & Outer Lighting		
	2 Nos 25 A DP MCB Spare		
	All MCB must be class C Type		
	1No. Digital Volt meter with Volt meter selector switch & Control fuse.		
	1No. Digital Ammeter with Ammeter selector switch & CT.		
	Cable tray.		
	Termination bar for each out put		
	6 Nos Phase indicator L.E.D. lamps		
2.0	Supplying & Fixing 160 Amp, 415 V Wireable IC Cutout - 3nos in MS enclouser withj lock & key arrangements.	**Set**	**1.00**
3.0	Supply and installation of VTPN, Double Door, Metal type (hager IP43, legrand make Ekinox3 model or equivalent make as approved by Architect / Engineer in charge.), surface / flush mounted on wall, interconnected wiring complete with earthing lugs, including DB wiring, termination of circuits with ping type copper lugs, blank plates, etc. housing following switchgears :		
3.1	**A.C.D.B. (AC Distribution Board)**	**Set**	**1.00**
	6 way VTPN DB		
	Incoming :- 1 No. 63A 4P MCB-10kA, 63A -415V-4P Isolator.		
	Out going :- 3 No. 25 A SP -10 kA - MCB		
	Out going :- 5 No. 20 A TP -10 kA - MCB		

	All MCB must be class C Type		
4.0	Supply and installation of SPN, Double Door, Metal type Distribution Board. (hager IP43, legrand make Ekinox3 model or equivalent make as approved by Engineer-in-charge), surface / flush mounted on wall, interconnected wiring complete with earthing lugs, including DB wiring, termination of circuits with ping type copper lugs, blank plates, etc. housing following switchgears :		
4.1	**L.D.B (Light Distribution Board)**	**Set**	**3.00**
	12 way SPN DB		
	Incoming :- 1 No. 40A DP MCB		
	Outgoing :- 10 No. 10 A SP MCB		
	All MCB must be class C Type		
4.2	**C.D.B (Computer Distribution Board)**	**SET**	**4.00**
	12 way SPN DB		
	Incoming :- 1 No. 32A DP-10 kA - MCB		
	Outgoing :- 10 No. 6-10 A SP-10 kA - MCB		
	All MCB must be class C Type		
4.3	**C.D.B (Computer Distribution Board)**	**SET**	**2.00**
	8 way SPN DB		
	Incoming :- 1 No. 25A DP-10 kA - MCB		
	Out going :- 6 No. 6-10 A SP -10 kA -MCB		
	All MCB must be class C Type		
4.4	**U.P.S Incoming DB**	**SET**	**1.00**
	8 way SPN DB		
	63 Amp 4P-10 kA - MCB – 2 nos (1main & 1 spare).		
	All MCB must be class C Type		
4.5	**U.P.S Outgoing DB**	**SET**	**1.00**
	12 way SPN DB		
	Incoming :- 63 Amp 4P-10 kA - MCB – 1 No		
	Out going :- 3 No. 32 A SP-10 kA - MCB		
	Out going :- 5 No. 25 A SP-10 kA - MCB		
	All MCB must be class C Type		
	TOTAL FOR PANEL BOARD & DISTRIBUTION BOARDS.		
	3. FITTINGS OF FIXTURES		
	(NOTE : ANY OF FIXTURES AND FITINGS SHALL BE RE-CONFIRMED WITH THE ARCHITECTS / CONSULANTS BEFOTE ORDERING THEM.		

	Supply , Installation, testing and commissioning of lighting fixtures with lamps and LED driver as per the details below including necessary hardware such as clamps, nuts, bolts, nails, screws and suspension rods as required for fixing the fixtures in position as directed by architect / consultant / client including supply and fixing flexible wires from holder to fixtures hardwares etc. Note :- All Light Fixtures, Fans, Exhaust Fans & other fittings samples shall be approved by the Client / Architect / Consultant before placing order to the Light Fixture Vendor / Supplier makes are specified. Client / Architect / Consultant reserves right to approve / select final Light Fitxtures from any make as required.		
1.0	Supply,installation and testing of recess LED lights fittings (31 - 34 W) of squre type (2'-0"x2'-0") with all accessories complete of Crompton LCTLRN-36-FO-CDL Equivalent Make as required as per direction of Engineer in charge.	**Nos.**	**43.00**
2.0	Supply,installation and testing of recess LED lights fittings (3W) of spot type all accessories complete of Crompton LSCRM-3W-CDL/NW/WW or Equivalent Make as required as per direction of Engineer in charge.	**Nos.**	**10.00**
3.0	Supply,installation and testing of recess LED lights fittings (12W) of spot type with all accessories complete of Crompton LSCRM-6W-CDL/NW/WW Equivalent Make as required as per direction of Engineer in charge.	**Nos.**	**46.00**
4.0	Supply,installation and testing of surface mounted LED lights fittings (12W) of (Round Type) with all accessories complete of Crompton LCDSPLN-R-12-CDL Equivalent Make as required as per direction of Engineer in charge.	**Nos.**	**46.00**
5.0	Supply,installation and testing of surface mounted LED lights fittings (18W) of (Round Type) with all accessories complete of Crompton LCDSPLN-R-12-CDL / LCDSPLN-S-18-CDL Equivalent Make as required as per direction of Engineer in charge.	**Nos.**	**19.00**
6.0	Providing and fitting of 400 mm sweep High Flo Wall fan of Orient/ Crompton Equivalent Make as required as per direction of Engineer in charge.	**Nos.**	**27.00**
7.0	Providing and fitting of 225 mm sweep heavy duty Exhust fan of Orient/ Crompton Equivalent Make as required as per direction of Engineer in charge.	**Nos.**	**7.00**
8.0	Providing and fitting of 1200 mm sweep celing fan of Orient/ Crompton High Speed Equivalent Make as required as per direction of Engineer in charge.	**Nos.**	**2.00**
9.0	Providing and fitting of Modular type step fan regulator of approved make .	**Nos.**	**2.00**
10.0	Supply & fixing of fan-hook,by cutting roof slab and welding 10 mm dia.Fan hook with main re-Inforcemerit of roof slab complete in all respect	**Nos.**	**2.00**

11.0	Supplying , fixing of 1x 20W LED Batten lights fittings with aall accessories complete of Philips BN021C LED20S PSU CDL/NW GR Equivalent Make as required as per direction of Engineer in charge.	**Nos.**	**3.00**
12.0	Providing and fitting of call bell Remote Controlled with Battery of approved make .	**Nos.**	**2.00**
	TOTAL FOR FITTINGS OF FIXTURES		
	4. EARTHING		
1.0	Supplying and fixing Earthing with G.I. earth plate of size 600 mm X 600 mm X 6.36 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with alternative layer of 150mm thick charcoal/ coke and salt as required.	**Nos.**	**2.00**
2.0	Supplying and fixing of Earthing with copper earth plate of size 600 mm X 600 mm X 3.18 mm thick including accessories, and providing masonry enclosurewith cover plate having locking arrangement and watering pipeof 2.7 metre long etc. with alternative layer of 150mm thick charcoal/ coke and salt as required.	**SET**	**1.00**
3.0	Supplying and laying 25 mm X 5 mm G.I. strip in 40 mm dia G.I.pipe from earth electrode including connection with G.I. nut,bolt, spring, washer excavation and re-filling etc. as required.	**Mts**	**6.00**
4.0	Supplying and laying 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	**Mts**	**60.00**
5.0	Supplying and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15 mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.	**Mts.**	**3.00**
6.0	Supplying and laying 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	**Mts.**	**30.00**