	PRICE BID OF ELECTRICAL & AC WORKS OF SBI CHHOLA F	OAD BRANCH, RBO-		BHOPAL	
5.N	Description of items ELECTRICAL WIRING	Qtv	Unit	Rate	Amount
	Providing, fixing, testing and commissioning of POINT WIRING of any length for light point/Wall fan point/Exhaust fan point/ Call bell point/ including call bell/ including fan box( if required), 'S' type fan hook etc with 3 X 1.5 Sq.mm(P/N/E) PVC 650V/1100V Grade <b>FRLS WIRE</b> insulated copper conductor single core multi strended wire in 16 SWG(Medium Gauge) stove enamelled rigid steel conduit 20mm/25mm with conduit accessories like bend, junction box etc in concealed/surface manner as per site requirment with suitable Modular Switches/Sockets with plate and Metal/PVC box,Scaddle, angle bracket (if required), 3 plate ceiling rose/bulb holder etc. The floor/roof/wall junction box shuold be of MS(heavy duty) box of suitable size and covered with Steel finish Steel cover sheet by screw tight and gasket to avoid water/dust insertion. <b>The item includes Circuit wiring from</b> <b>DB to the switch board with 3x2.5 Sq.MM</b> . The above wiring carried out surface or recess in wall/floor/roof should be cutting by cutter/chiesling, replastering, curing, painting with uniform and smooth finish by specilised workman ship and making the surface neat afterwards complete in all respect as per direction of Bank Engg. (EACH Circuit to take NOT MORE than 7-8 points) The conduit/ Flexible conduit/junction box/metal modular box etc must be joined by gland and check nut at both ends. (each circuit to be controlled by one MCB). The colour code of wire are as under: Phase- Red, Neutral- Black, Earth-Green <b>Make of Material for items of BOQ:-</b> (i) Modular Type Switch/socket/step electronic fan regulator, plate, box, TV/telephone, bulb holder/3 pin ceiling rose with all accessories:- Lergand/ Anchor(Roma)/MK/ Crabtree (ii) MS conduit/PVC conduit with all accessories:- BEC/AKG/NIC/Precision (iii) PVC insulated copper wire(FR) 650V/1100 V grade:- Finolex/RR cable/ Havells				
	Providing and fixing of point wiring with above specifications. One light point controlled by one switch.	60	Nos.		
	Providing and fixing of point wiring with same above specifications. Two light points to be controlled by one switch.	20			
;	Providing and fixing of ceiling fan point controlled as under (i) one 6 amp switch	15			
	providing and fixing 6 Amps Plug Points with same specs as above and install along with same light switchboard	10			
	Master switch of <b>16 Amps( Only Grey/Golden/Wooden colour other than</b> <b>white colour)</b> to install alongwith same light switch board to control all light as a master switch ON/OFF in each switch board				
	6 AMP. POINTS ON SEPARATE BOARD :Supply,fixing,testing and commissioning of 1 No 6 A Multi Socket with 1No. 6 A switch (Modular type) with cover plate, sheet steel box / PVC modular box etc on surface / concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as per site requirement and as directed. (Minimum two and Maximum three points are loop with one circuit as mentioned beolw)				<u>.</u>
	Power Wring (6 / 16 AMP. POWER POINTS). Supply, fixing, testing and commissioning of 1 No 16 A switch & 1 No.six pin 6/16 Amp. Multi Socket (Modular Type) with cover plate, sheet steel box etc on surface / concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as per site requirement and as directed. (Maximum two points are loop with one circuit as mentioned below)	20			
	SPECIAL POINTS : ( For Computers ). Supply, fixing, testing and commissioning of following Modular type switch socket with cover plate, PVC modular box on Surface / sheet steel box in concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as per site requirement and as directed. 2 Nos. 6 A Switch + 3 Nos. 6 A, 3 pin Socket (Minimum two and Maximum three points are loop with one circuit as mentioned beolw)				

5         ACOngree Point (Single Phase). Supply, Installation, Testing and correlationing the suffex of CRY VERS power point with an iddoxings.         Image: CRY VERS power point is connections and making good all the damages, painting, cleaning the site etc.           and socket with complex Enclosure plate and door. 1 set to electrical connections and making good all the damages, painting, cleaning the site etc.         Image: CRY VERS provided in the damages, painting, cleaning the site etc.           ormgete including all occessories are required as prise mequirement and configure plate is connected with one circuit as mentioned below)         Image: CRY VERS prise plate including all occessories and making good all bree surface in the surface in cleaning at commends and making good all bree surface in the surface in cleaning at commends and making good all bree surface in the surface in cleaning at commends and making good all bree surface in the surface					
CRCUIT WIRNE (FPLS WIRE)           Supply, installation, testing a commissioning of FPLS circuit wiring measured in numbers with suitable size of NS condult 1.6 mm thick and 25mm dia. The wiring in NS conduit is as per IS code. The average length of wiring around between(25-30) Mir.           7. A 3 X 2.5 segmm (For LUPS Circuit/8 amp Separate Board) in suitable size of 16 SWG (MMS) steel conduit as per IS code.         22           8. UPS OUTGOING & OTHER FRLS WIRING, AS Per Requirment.         22           a 3 X 1.5 Segmm opper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         20           8. UPS OUTGOING & OTHER FRLS WIRING, AS Per Requirment.         20           a 3 X 1.5 Segmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) side conduit.         20           (MMS) steel conduit.         20           6. MS 4 Segmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         20           (MMS) steel conduit.         20           6. A 4 Segmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         20           (MMS) steel conduit.         20           6. A 4 Segmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         20           8. BINCOMINE conduct on the first SWT FIGE AMS (FW LED Indicators for Both Main/DG) (MMS) steel conduit.         20           9. DISTRIBUTION BOARDS         20           All MCE tobe "C" series         20      <		<ul> <li>commissioning of the surface / recess mounting A.C. / GEYSER power point with the followings :</li> <li>Metra Plug and Socket DBs with one Nos 20 Amp SP MCB, 20 Amp plug and socket with complete Enclosur plate and box 1 set i/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as required as per site requirement and as directed by Bank Engineer.</li> <li>OR Modular 32A DP 1 way switch with plate &amp; box 1 set. + 25A &amp; 10A twin socket</li> <li>(Only one point is connected with one circuit as mentioned below)</li> <li>AC Point (Three Phase). Supply, Installation, Testing and commissioning of the surface / recess mounting A.C. Cassette power point with the followings : Metal enclose Four way with one Nos 32 Amp FP MCB with complete Enclosur plate and box 1 set i/c electrical connections and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed. (Only one point is connected. (Only one point is connected with one circuit as required as per site requirement and as directed. (Only one point is connected with one circuit as required as per site requirement and as directed. (Only one point is connected with one circuit as required as per site requirement and as directed. (Only one point is connected with one circuit as mentioned with one circuit as per site requirement and as directed.</li> </ul>	6	Nos	
CRCUIT WIRNE (FPLS WIRE)           Supply, installation, testing a commissioning of FPLS circuit wiring measured in numbers with suitable size of NS condult 1.6 mm thick and 25mm dia. The wiring in NS conduit is as per IS code. The average length of wiring around between(25-30) Mir.           7. A 3 X 2.5 segmm (For LUPS Circuit/8 amp Separate Board) in suitable size of 16 SWG (MMS) steel conduit as per IS code.         22           8. UPS OUTGOING & OTHER FRLS WIRING, AS Per Requirment.         22           a 3 X 1.5 Segmm opper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         20           8. UPS OUTGOING & OTHER FRLS WIRING, AS Per Requirment.         20           a 3 X 1.5 Segmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) side conduit.         20           (MMS) steel conduit.         20           6. MS 4 Segmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         20           (MMS) steel conduit.         20           6. A 4 Segmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         20           (MMS) steel conduit.         20           6. A 4 Segmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         20           8. BINCOMINE conduct on the first SWT FIGE AMS (FW LED Indicators for Both Main/DG) (MMS) steel conduit.         20           9. DISTRIBUTION BOARDS         20           All MCE tobe "C" series         20      <			3	Nos	
16 SWG (MMS) steel conduit as per IS code.     22     Nos       7.b     3 X 4.0 sqmm (For AC/Power Circuit) in suitable size of 16 SWG (MMS) steel conduit as per IS code.     22     Nos       8     UPS OUTGOING & OTHER FRLS WIRING, As Per Requirment.     2     2     Nos       a     3 X 1.5 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG     20     R.Mtr       j     MMS) steel conduit.     20     R.Mtr       i     (MMS) steel conduit.     20     R.Mtr       i     4 3 X 1.5 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG     20     R.Mtr       i     (MMS) steel conduit.     20     R.Mtr       i     (MMS) steel conduit.     40     R.Mtr       i     4 3 X 5 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG     40     R.Mtr       i     (MMS) steel conduit.     40     R.Mtr       i     i     S S Sqmm Copper multistreand FRLS wire in suitable size of 16 SWG     40       i     R.MS     Signm Copper multistreand FRLS wire in suitable size of 16 SWG     40     R.Mtr       i     MMS steel conduit.     FC casettee AC)     110     R.Mtr       i     MMS steel conduit.     Signm Copper multistreand FRLS wire in suitable size of 16 SWG     40       i     MMS steel conduit.     Signm Copper multistreand FRLS wire in		Supply , installation, testing & commissioning of FRLS circuit wiring measured in numbers with suitable size of MS conduit 1.6 mm thick and 25mm dia. The wiring in MS conduit is as per IS code. The average length of wiring around between(25-30) Mtr.			
22         Nos           7.b         3 X 4.0 sgmm (For AC/Power Circuit ) in suitable size of 16 SWG (MMS) steel conduit as per IS code.         22         Nos           8         UPS OUTGOING & OTHER FRLS WIRING, As Per Requirment.         22         Nos           a         3 X 1.5 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         20         R.Mtr           b         3 X 2.5 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         20         R.Mtr           d         3 X 4.0 sgmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         20         R.Mtr           d         3 X 4.5 Sgmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         20         R.Mtr           d         3 X 4.5 Sgmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         40         R.Mtr           d         3 X 4.5 Sgmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         40         R.Mtr           g         DISTRIBUTION BOARDS         110         R.Mtr         40           g         DISTRIBUTION BOARDS         10         R.Mtr         41           d         AI MCB to bo *C* series         20         10         R.Mtr           d         B NCOMING SWTCHGEARS: (PVB LED Indicatore fo	7. A				
steel conduit as per IS code.         22         Nos           8         UPS OUTGOING & OTHER FRLS WIRING, AS Per Requirment.         22         Nos           a         3 X 1.5 Sqmm cooper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         20         R.Mtr           b         3 X 2.5 Sqmm cooper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         20         R.Mtr           c         3 X 4 Sqmm cooper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         20         R.Mtr           e         5 X 4 Sqmm cooper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         40         R.Mtr           e         5 X 4 Sqmm cooper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.         70         R.Mtr           g         DISTRIBUTION BOARDS         110         R.Mtr           a         B.INCOMING SWITCHCEARNS. (RYB LED Indicators for both Mair/DG) (1) No. FP.160 Amp , 25 KA MCDB with indicator.         10         R.Mtr           g         DISTRIBUTION BOARDS         20         20         20           at INCB to be "C" series         3         3         30         30         30           g         DISTRIBUTION BOARDS         1         10         8         10         10         10         10         10			22	Nos	
22         Nos           8         UPS OUTGOING & OTHER FRLS WIRING, AS Per Requirment.         22           a         3 X 1.5 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG         20           MMS) steel conduit.         20         R.Mtr           b         3 X 2.5 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG         20         R.Mtr           c         3 X 4 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG         20         R.Mtr           d         3 X 5 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG         20         R.Mtr           d         3 X 6 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG         20         R.Mtr           d         3 X 6 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG         20         R.Mtr           d         3 X 6 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG         40         R.Mtr           e         5 X 4 Sqmm. Copper multistreand FRLS wire in suitable size of 16 SWG         10         R.Mtr           d         DISTRIBUTION BOARDS         110         R.Mtr           All MCB to be "C" series         110         R.Mtr           a         B.INCOMING SWITCHGEARS (RYB LED Indicators for Both Main/DG)         1         Nos           () 1 Nos - TeloD Am, z5 KA MCCB with thermal m	7.b				
8         UPS OUTGOING & OTHER FRLS WIRING, As Per Requirment.		steel conduit as per IS code.			
(MMS) steel conduit.         20         R.Mtr           b         3 X 2.5 Spmm copper multistreand FRLS wire in suitable size of 16 SWG         20         R.Mtr           c         3 X 4.5 Spmm copper multistreand FRLS wire in suitable size of 16 SWG         20         R.Mtr           d         3 X 5 Spmm copper multistreand FRLS wire in suitable size of 16 SWG         0         R.Mtr           d         3 X 6 Spmm copper multistreand FRLS wire in suitable size of 16 SWG         0         R.Mtr           d         3 X 6 Spmm copper multistreand FRLS wire in suitable size of 16 SWG         0         R.Mtr           d         3 X 6 Spmm copper multistreand FRLS wire in suitable size of 16 SWG         0         R.Mtr           d         3 X 6 Spmm copper multistreand FRLS wire in suitable size of 16 SWG         0         R.Mtr           e         5 X 4 Spmm copper multistreand FRLS wire in suitable size of 16 SWG         0         R.Mtr           d         INCOMINS SWITCHGEARS (TYB LED Indicators for Both Main/DG)         10         R.Mtr         0           d         INCOMING SWITCHGEARS (SYB LED Indicators for Both Main/DG)         110         R.Mtr         0           i) 1 Nos - 125 Amp 2CB with thermal magnetic trip unit WITH Digital Votimeter & Digital Ammeter suitable size of CTS, selector switches etc.         0         0         0         0         0	8	UPS OUTGOING & OTHER FRLS WIRING, As Per Requirment.	22	Nos	
b     3 X 2.5 Sqmm cooper multistreand FRLS wire in suitable size of 16 SWG     20     R.Mtr       c     3 X 4 Sqmm cooper multistreand FRLS wire in suitable size of 16 SWG     20     R.Mtr       d     3 X 5 Sqmm cooper multistreand FRLS wire in suitable size of 16 SWG     20     R.Mtr       d     3 X 5 Sqmm cooper multistreand FRLS wire in suitable size of 16 SWG     40     R.Mtr       d     3 X 5 Sqmm. Cooper multistreand FRLS wire in suitable size of 16 SWG     40     R.Mtr       e     5 X 4 Sqmm. Cooper multistreand FRLS wire in suitable size of 16 SWG     40     R.Mtr       e     5 X 4 Sqmm. Cooper multistreand FRLS wire in suitable size of 16 SWG     40     R.Mtr       g     DISTRIBUTION BOARDS     110     R.Mtr       a     BINCOMING SWTCHGEARS: (TYB LED Indicators for Both Main/DG)     110     R.Mtr       (i) 1 No. FP.160 Anp25 KA MCCB with thermal magnetic trip unit WITH Digital Votimeter & Dignal Ammeter suitable size of CTS, selector switches etc.     C. OUTGOING SWTCHGEARS:       (i) 1 Koar LSAmp TP MCCB for main with 200amp bus bar with indicator.     1     Nos       (ii) 200 amp bus bar for parallel connection with DC changeover output     1     Nos       b     Supply & Installation of SDP(Surge Protector Device) for general protection of main Distribution Board Legrad Make Cat No. 412247 (3P+N) , 40 KA, T2- Inmax 40KA/pole with complete wiring.     1     Nos       c     Providing	а	3 X 1.5 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG			
(MMS) steel conduit.         20         R.Mtr           c         3 X 4 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG         20         R.Mtr           d         3 X 6 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG         20         R.Mtr           d         3 X 6 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG         40         R.Mtr           e         5 X 4 Sqmm. Copper multistreand FRLS wire in suitable size of 16 SWG         110         R.Mtr           9         DISTRIBUTION BOARDS         110         R.Mtr           3         B.INCOMING SWITCHGEARS. (RYB LED Indicators for Both Main/DG)         1         No.           1         NOR TCHGEARS. (RYB LED Indicators for Both Main/DG)         1         No.           1         Nor F160 Anp., 25 KA MCB with thermal magnetic trip unit WTH Digital Volumeter & Digital Ammeter suitable size of CTS, selector switches etc.         0           1         Nos 125 amp TP MCCB for main with 200amp bus bar with indicator.         1         Nos           1         Nos 126 amp bus bar with indicator         1         Nos           b         Supply & Installation of SDP(Surge Protector Device) for general protection of main Distribution Board Legrad Make Cat No. 412247 (3P+N), 40 KA, T2-Imax 40K-Apole with complete wiring.         1         Nos           c         Providing & fixing 6 way vert			20	R.Mtr	
c       3 X 4 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG       20       R.Mtr         d       3 X 6 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG       40       R.Mtr         d       3 X 6 Sqmm. copper multistreand FRLS wire in suitable size of 16 SWG       40       R.Mtr         e       5 X 4 Sqmm. Copper multistreand FRLS wire in suitable size of 16 SWG       40       R.Mtr         e       5 X 4 Sqmm. Copper multistreand FRLS wire in suitable size of 16 SWG       40       R.Mtr         e       5 X 4 Sqmm. Copper multistreand FRLS wire in suitable size of 16 SWG       40       R.Mtr         g       DISTRIBUTION BOARDS       110       R.Mtr         d       All MCB to be "C" series       1       10         a       B.INCOMING SWITCHGEARS (RVB LED Indicators for Both Main/DG)       110       N.         (i) 1 No. FP.160 Amp , 25 KA MCCB with thermal magnetic trip unit WITH bigital Volmeter Subjatal Ammeter suitable size of CTS, selector switches etc.       0.0000 C.         (i) 1 No. FP.160 Amp , 25 KA MCCB tor main with 200amp bus bar with indicator.       1       Nos         (i) 1 No. FP.160 Amp , 25 KA TOP MCCB for Dis night bar bar bigital Ammeter suitable size of CTS, selector switches etc.       1       Nos         b       Supply & Installation of SDP(Surge Protector Devicwe) for general protection of main Distribution Board Legrad Make Cat No. 41	D		20	R.Mtr	
d     3 X 6 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.     40     R.Mtr       e     5 X 4 Sqmm. Copper multistrend FRLS wire in suitable size of 16 SWG (MMS) steel conduit ( For Cassettee AC)     110     R.Mtr       9     DISTRIBUTION BOARDS     110     R.Mtr       a     BLINCOMING SWITCHGEARS (RYB LED Indicators for Both Main/DG) (1 1 No. FP 160 Amp , 25 KA MCCB with thermal magnetic trip unit WITH Digital Voltmeter & Digital Ammeter suitable size of CTS, selector switches etc. C. OUTGOING SWITCHGEARS:     1       C)     CUGGOING SWITCHGEARS:     1 Nos     1       b     Supply & Installation of SDP(Surge Protector Devicev) for general protection of main Distribution Board Legrad Make Cat No. 412247 (3P+N) , 40 KA, T2- Imax 40KA/pole with complete wiring.     1       c     Providing & Itsing 6 way VETN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 18 Nos. 10/16/32 Amps SPMCBs. & Complete.     1       d     Providing and fixing 6 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 18 Nos. 10/16/32 Amps SPMCBs. & Complete.     1       e     Providing and fixing 4 way TPN double door type For UPS points with 1x32 Amps DP, controlling 10 Nos. 16 AMP SPMCB     2       g     Providing and fixing (12) way SPDB double door type For UPS points with 1x32 Amps DP, controlling 10 Nos, 16 AMP SPMCB     2	С	3 X 4 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG			
(MMS) steel conduit.     40     R.Mtr       e     5 X 4 Sqmm. Copper multistrend FRLS wire in suitable size of 16 SWG (MMS) steel conduit (For Cassettee AC)     110     R.Mtr       9     DISTRIBUTION BOARDS     110     R.Mtr       a B.INCOMING SWITCHGEARS. (RYB LED Indicators for Both Main/DG) (0 1 No. FP.160 Amp. 25 KA MCCB with thermal magnetic trip unit WITH Digital Voltmeter & Digital Ammeter suitable size of CTS, selector switches etc. C. OUTONG SWITCHGEARS.     1       (i) 1 Nos- 125Am PT MCCB for main with 200amp bus bar with indicator. (ii) 160 amp bus bar for parallel connection with DS changeover unit) to Nos 125 amp 25 KA, TP MCCB for DG supply with 200 amp bus bar with indicator     1       Note-: Before Placing the Panel order, firstly it Passed by The Bank Authority, otherwise it will not considered)     1     Nos       b     Supply & Installation of SDP(Surge Protector Device) for general protection of main Distribution Board (Lagrad Make Cat No. 412247 (3P+N), 40 KA, T2- Imax 40KA/pole with complete wiring.     1     Nos       c     Providing & fixing 6 way vertical load line double door D.B for AC with 100 Amp. TP MCCB incomer and outgoing to be 4 Nos 32 amp TP MCB, 6 Nos 32 amp SP MCB FOR AC     1     Nos       d     Providing and fixing 6 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 18 Nos. 10/16/32 Amps SPMCBs. & Complete.     1     Nos.       e     Providing and fixing (12) way SPDB double door type For UPS points with 1x32 Amps DP, controlling 10 Nos, 16 AMP SPMCB     2     Nos.       g     Providing and	4		20	R.Mtr	
e       5 X 4 Sqmm. Copper multistrend FRLS wire in suitable size of 16 SWG (MMS) steel conduit ( For Cassettee AC)       110       R.Mtr         9       DISTRIBUTION BOARDS       110       R.Mtr         4II MCB to be "C" series       1       100         8       BLNCOMING SWITCHGEARS :(RYB LED Indicators for Both Main/DG) (I) 1 No. FP.160 Amp , 25 KA MCCB with thermal magnetic trip unit WITH Digital Volmeter & Digital Ammeter suitable size of CTS, selector switches etc. C. OUTGOING SWITCHGEARS: (I) 1 No. FP.25Amp TP MCCB for main with 200amp bus bar with indicator. (II) 160 amp bus bar with indicator       1       Nos         b       Supply & Installation of SDP(Surge Protector Devicve) for general protection of main Distribution Board Legrad Make Cat No. 412247 (3P+N) , 40 KA, T2- Imax 40KA/pole with complete wiring.       1       Nos         c       Providing & fixing 6 way vertical load line double door DB for AC with 100 Amp. TP MCCB incomer and outgoing to be 4 Nos 32 amp TP MCB, 6 Nos 32 amp SP MCB FOR AC       1       Nos         d       Providing and fixing 6 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 18 Nos. 10/16/32 Amps SPMCBs. & Complete.       1       Nos.         e       Providing and fixing (12) way SPDB double door type For UPS points with 1x32 Amps DP, controlling 10 Nos, 16/AMP SPMCB       2       Nos.       1         g       Providing and fixing (8) way SPDB double door type For Light DB only for Emergency Lights like glow sign etc. with 1x32 Amps DP, controlling 6 NO.10. A/16 AMP SPMCB       2<	a		40	R.Mtr	
9       DISTRIBUTION BOARDS         AII MCB to be "C" series         a       BLINCOMING SWITCHGEARS: (RYB LED Indicators for Both Main/DG)         (i) 1 No. FP.160 Amp , 25 KA MCCB with thermal magnetic trip unit WITH Digital Voltmeter & Digital Anmeter suitable size of CTS, selector switches etc.         C. OUTGOING SWITCHGEARS:       (i) 1 No. FP.160 Amp , 25 KA MCCB with thermal magnetic trip unit WITH Digital Voltmeter & Digital Anmeter suitable size of CTS, selector switches etc.         (ii) 100 amp hous bar often parallel connection with 200amp bus bar with indicator       (iii) 100 amp bus bar with indicator         (iii) 200 amp bus bar with indicator       1         (iii) 200 amp bus bar with indicator       1         Note: Before Placing the Panel order, firstly it Passed by The Bank Authority, otherwise it will not considered)       1         b       Supply & Installation of SDP(Surge Protector Devicve) for general protection of main Distribution Board Legrad Make Cat No. 412247 (3P+N) , 40 KA, 72-1       Nos         c       Providing & fixing 6 way vertical load line double door D.B for AC with 100 Amp. TP MCCB incomer and outgoing to be 4 Nos 32 amp TP MCB, 6 Nos 32 amp SP MCB FOR AC       1       Nos         d       Providing and fixing 6 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 18 Nos. 10/16/32 Amps SPMCBs. & Complete.       1       Nos.         e       Providing and fixing (12) way SPDB double door type For UPS points with 1x32 Amps DP, controlling 10 Nos, 16/32 Amps SPMCBs. & Comp	е	5 X 4 Sqmm. Copper multistrend FRLS wire in suitable size of 16 SWG	110	R.Mtr	
a       B.INCOMING SWITCHGEARS :(RYB LED Indicators for Both Main/DG)       (i) 1 No. FP.160 Amp, 25 KA MCCB with thermal magnetic trip unit WITH Digital Voltmeter & Digital Ammeter subiled Size of CTS, selector switches etc.       c. OUTGOING SWITCHGEARS:         (i) 1 Nos. 125Amp TP MCCB for main with 200amp bus bar with indicator.       (ii) 1 80 amp onload changeover with 1 Nos 125 amp 25 KA, TP MCCB for DG supply with 200 amp bus bar with indicator         (iii) 160 amp onload changeover with 1 Nos 125 amp 25 KA, TP MCCB for DG supply with 200 amp bus bar with indicator       1 Nos         b       Supply a for parallel connection with DG changeover output ( Note:- Before Placing the Panel order, firstly it Passed by The Bank Authority, otherwise it will not considered)       1 Nos         b       Supply & Installation of SDP(Surge Protector Devicve) for general protection of main Distribution Board Legrad Make Cat No. 412247 (3P+N) , 40 KA, T2-Imax 40KA/pole with complete wiring.       1 Nos         c       Providing & fixing 6 way vertical load line double door D.B for AC with 100 Amp. TP MCCB incomer and outgoing to be 4 Nos 32 amp TP MCB, 6 Nos 32 amp SP MCB FOR AC       1 Nos         d       Providing and fixing 6 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 18 Nos. 10/16/32 Amps SPMCBs. & Complete.       1 Nos.         e       Providing and fixing 4 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 12 Nos. 16/32 Amps SPMCBs. & Complete.       2 Nos.         f)       Providing and fixing (12) way SPDB double door type For UPS points with 1x32 Amps DP, controlling 10 No	9	DISTRIBUTION BOARDS			
(i) 1 No. FP.160 Amp, 25 KA MCCB with thermal magnetic trip unit WITH Digital Voltmeter & Digital Ammeter suitable size of CTS, selector switches etc.       C. OUTGOING SWITCHGEARS:         (i) 1 Nos-125Amp TP MCCB for main with 200amp bus bar with indicator.       (ii) 1800 amp chada changeover with 1 Nos 125 amp 25 KA, TP MCCB for DG supply with 200 amp bus bar with indicator         (iii) 200 amp bus bar for parallel connection with DG changeover output (Note: - Before Placing the Panel order, firstly it Passed by The Bank Authority, otherwise it will not considered)       1       Nos         b       Supply & Installation of SDP(Surge Protector Devicve) for general protection of main Distribution Board Legrad Make Cat No. 412247 (3P+N), 40 KA, T2-Imax 40K4/pole with complete wiring.       1       Nos         c       Providing and fixing 6 way vertical load line double door D.B for AC with 100 Amp. TP MCCB from Act with complete wiring.       1       Nos         d       Providing and fixing 6 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 18 Nos. 10/16/32 Amps SPMCBs. & Complete.       1       Nos.         e       Providing and fixing 4 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 12 Nos. 16/32 Amps SPMCBs. & Complete.       2       Nos.         g       Providing and fixing (12) way SPDB double door type For UPS points with 1x32 Amps DP, controlling 10 Nos, 16 AMP SPMCB       2       Nos.         g       Providing and fixing (8) way SPDB double door type For Light DB only for Emergency Lights like glow sign etc with 1x32 Amps DP, control		All MCB to be "C" series			
b       Supply & Installation of SDP(Surge Protector Devicve) for general protection of main Distribution Board Legrad Make Cat No. 412247 (3P+N) , 40 KA, T2- Imax 40KA/pole with complete wiring.       1       Nos         c       Providing & fixing 6 way vertical load line double door D.B for AC with 100 Amp. TP MCCB incomer and outgoing to be 4 Nos 32 amp TP MCB, 6 Nos 32 amp SP MCB FOR AC       1       Nos         d       Providing and fixing 6 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 18 Nos. 10/16/32 Amps SPMCBs. & Complete.       1       Nos.         e       Providing and fixing 4 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 12 Nos. 16/32 Amps SPMCBs. & Complete.       2       Nos.         f)       Providing and fixing (12) way SPDB double door type For UPS points with 1x32 Amps DP, controlling 10 Nos, 16 AMP SPMCB       2       Nos.         g       Providing and fixing (8) way SPDB double door type For Light DB only for Emergency Lights like glow sign etc with 1x32 Amps DP, controlling 6 NO.10 A./16 AMP SPMCB       2       Nos.	a	<ul> <li>(i) 1 No. FP.160 Amp , 25 KA MCCB with thermal magnetic trip unit WITH Digital Voltmeter &amp; Digital Ammeter sutiable size of CTS, selector switches etc.</li> <li>C. OUTGOING SWITCHGEARS:</li> <li>(i) 1 Nos- 125Amp TP MCCB for main with 200amp bus bar with indicator.</li> <li>(ii) 160 amp onload changeover with 1 Nos 125 amp 25 KA, TP MCCB for DG supply with 200 amp bus bar with indicator</li> <li>(iii) 200 amp bus bar for parallel connection with DG changeover output</li> <li>( Note:- Before Placing the Panel order, firstly it Passed by The Bank Authority,</li> </ul>	1	Nos	
of main Distribution Board Legrad Make Cat No. 412247 (3P+N), 40 KA, T2- Imax 40KA/pole with complete wiring.       1       Nos         c       Providing & fixing 6 way vertical load line double door D.B for AC with 100 Amp. TP MCCB incomer and outgoing to be 4 Nos 32 amp TP MCB, 6 Nos 32 amp SP MCB FOR AC       1       Nos         d       Providing and fixing 6 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 18 Nos. 10/16/32 Amps SPMCBs. & Complete.       1       Nos.         e       Providing and fixing 4 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 12 Nos. 16/32 Amps SPMCBs. & Complete.       2       Nos.         f)       Providing and fixing (12) way SPDB double door type For UPS points with 1x32 Amps DP, controlling 10 Nos, 16 AMP SPMCB       2       Nos.         g       Providing and fixing (8) way SPDB double door type For Light DB only for Emergency Lights like glow sign etc with 1x32 Amps DP, controlling 6 NO.10 A./16 AMP SPMCB       Nos.	b	Supply & Installation of SDP/Surge Protector Devicye) for general protection	1	Nos	┟─────┤
Amp. TP MCCB incomer and outgoing to be 4 Nos 32 amp TP MCB, 6 Nos 32 amp SP MCB FOR AC       1       Nos         d       Providing and fixing 6 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 18 Nos. 10/16/32 Amps SPMCBs. & Complete.       1       Nos.         e       Providing and fixing 4 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 12 Nos. 16/32 Amps SPMCBs. & Complete.       1       Nos.         f)       Providing and fixing (12) way SPDB double door type For UPS points with 1x32 Amps DP, controlling 10 Nos, 16 AMP SPMCB       2       Nos.         g       Providing and fixing (8) way SPDB double door type For Light DB only for Emergency Lights like glow sign etc with 1x32 Amps DP, controlling 6 NO.10 A./16 AMP SPMCB       2       Nos.	Š	of main Distribution Board Legrad Make Cat No. 412247 (3P+N) , 40 KA, T2-Imax 40KA/pole with complete wiring.	1	Nos	
d       Providing and fixing 6 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 18 Nos. 10/16/32 Amps SPMCBs. & Complete.       1       Nos.         e       Providing and fixing 4 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 12 Nos. 16/32 Amps SPMCBs. & Complete.       1       Nos.         f)       Providing and fixing (12) way SPDB double door type For UPS points with 1x32 Amps DP, controlling 10 Nos, 16 AMP SPMCB       2       Nos.         g       Providing and fixing (8) way SPDB double door type For Light DB only for Emergency Lights like glow sign etc with 1x32 Amps DP, controlling 6 NO.10 A./16 AMP SPMCB       2       Nos.	С	Amp. TP MCCB incomer and outgoing to be 4 Nos 32 amp TP MCB, 6 Nos			
e       Providing and fixing 4 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 12 Nos. 16/32 Amps SPMCBs. & Complete.       2       Nos         f)       Providing and fixing (12) way SPDB double door type For UPS points with 1x32 Amps DP, controlling 10 Nos, 16 AMP SPMCB       2       Nos.         g       Providing and fixing (8) way SPDB double door type For Light DB only for Emergency Lights like glow sign etc with 1x32 Amps DP, controlling 6 NO.10 A./16 AMP SPMCB       2       Nos.	d	with 63 Amp TPN , controlling 18 Nos. 10/16/32 Amps SPMCBs. &			
f)       Providing and fixing (12) way SPDB double door type For UPS points with 1x32 Amps DP, controlling 10 Nos, 16 AMP SPMCB       2       Nos.         g       Providing and fixing (8) way SPDB double door type For Light DB only for Emergency Lights like glow sign etc with 1x32 Amps DP, controlling 6 NO.10 A./16 AMP SPMCB       2       Nos.	e	Providing and fixing 4 way TPN double door DB for LIGHT /POWER POINTS	1	Nos.	
f)       Providing and fixing (12) way SPDB double door type For UPS points with 1x32 Amps DP, controlling 10 Nos, 16 AMP SPMCB       2       Nos.         g       Providing and fixing (8) way SPDB double door type For Light DB only for Emergency Lights like glow sign etc with 1x32 Amps DP, controlling 6 NO.10 A./16 AMP SPMCB       2       Nos.			2	Nos	
g Providing and fixing (8) way SPDB double door type For Light DB only for Emergency Lights like glow sign etc with 1x32 Amps DP, controlling 6 NO.10 A./16 AMP SPMCB	f)		2		
Emergency Lights like glow sign etc with 1x32 Amps DP, controlling 6 NO.10 A./16 AMP SPMCB			2	Nos.	ļ
2 Nos.		Providing and tixing (8) way SPDB double door type For Light DB only for			
	g	Emergency Lights like glow sign etc with 1x32 Amps DP, controlling 6		_	

h	Providing and fixing (4) way TPN double door type For UPS INPUT with 1x63 Amps TPNand 63 amp DP MCB- 3 Nos & 3 Nos, 32 amp SP MCB complete (E-lobby/UPS Output)		Neg	
i	Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box	1	Nos.	
10	CABLES	1	Set	
	Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE insulated (Heavy Duty) Al/Cu conductor armoured cable suitable for working voltage upto and including 1100 V grade, laid and tied on existing overhead cable trays, or laid and tied over MS supports in masonry trenches with copper/al cable lugs, single compression brass cable glands, tapping, crimping etc. as required and all cables run with double run( 2 No.) of GI wire of 8 SWG size.The size of cables are as under:- Make of Material:- (i) PVC/XLPC Armoured cable:- Finolex, Havells, RR cable, CCI(Cable Corp. of India) (ii) Cable Termination:- Dowells, Comet			
а	3.5 X 50 Sq.mm XLPE. Al. armoured Cable(AC VTPN & BUS BARS)/Main cable	50	Mtr	
b	3.5 X 35 Sq.mm XLPE. Al. armoured Cable(AC VTPN & BUS BARS)/Main cable	20	Mtr	
с	4X 25 Sq.mm XLPE.Al.armoured Cable (POWER/LIGHT/UPS)	40	Mtr	
d	4X 16 Sq.mm XLPE.Al.armoured Cable (LIGHT/UPS)	40	Mtr	
11 (i)	EARTHING COPPER PLATE EARTH STATION:			
(ii)	<ul> <li>Preparation of the Plate Earth Station: (As per IS:3043)</li> <li>(a) Excavation of hard rocky earth, soft murrum, hard murrum etc and back filling with black cotton soil for the earth station, the earth pit size is 1000 mm X 1000 mm X 2500 mm.</li> <li>(b) Supply and fixing of Copper Plate of Size 600 mm X 600 mm X 3.0 mm thick.</li> <li>(c) Fixing of 50 mm X 6 mm, 3 Mtrs copper strips from Copper Plate to earth terminal including brazing/welding at plate etc.</li> <li>(d) Supply and laying in position 19 mm, 2 Mtrs G.I "B" Class pipe for watering with reducer/funnel with mesh.</li> <li>(e) Supply and Fixing of the following in the earth station.</li> <li>(i) 75 Kg. Charcoal.</li> <li>(ii) 15 Kg. Original Salt.</li> <li>(iii) Black Cotton soil of adequate amount.</li> <li>(f) Construction of earth pit chamber including necessary brick work concrete, plastering, S/F of C.I Cover of size 12" X 12" complete as per site requirment.</li> </ul>	2	Nos	
	<ul> <li>Preparation of the Plate Earth Station: (as per IS:3043)</li> <li>(a) Excavation of rocky earth, soft murrum, hard murrum etc and back filling with black cotton soil for the earth station, the earth pit size is 1000 mm x 1000 mm x 2500 mm deep.</li> <li>(b) S/F of G.I. plate of size 600 x 600 x 600 mm thick.</li> <li>(c) S/F fixing 50 mm x 6 mm, 3 mtrs G.I, strips from G.I.plate to earth terminal including brazing / welding at plate etc.</li> <li>(d) Supplying and laying in position 19 mm, 2 mtrs G.I. `B' class pipe for watering.with reducer/funnel with mesh.</li> <li>(e) S/F of the following in the earth station.</li> <li>75 Kg. Charcoal, 15 Kg. Original Salt. and Black Cotton soil of adequate amount.</li> <li>(f) Construction of earth pit chamber including necessary brick work concrete, plastering, S/F of C.I. Cover of size 12" x 12" complete as per site req.and marking its value and identification etc.</li> </ul>	4	Nos	
(iii)	Providing and fixing Copper/GI strip as per specification compete including connection to earth electrode revetting/sweating/soldering, burying 15 cms below in all types of soil/rocks etc complete as requiued. .(a) Copper Strip 25 X 5 mm	15	Mtr.	
	(b) G.I.Strip 25 X 5 mm	40	Mtr	 
(iv)	Supply and laying of 10 Sq.mm 650V/1100 V PVC grade insulated copper wire in 15 mm G.I. Pipe ISI grade including all accessories complete as required.( Dedicated Earthing for UPS output DB only)	40	Mtr.	
13	TELEPHONE POINT			
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(i) (ii)	Two pair, 0.61 mm dla. telephone cable tinned copper conductor, P.V.C. insulated and sheathed , fire retarding, anti termite, colour coded twisted pairs and rip cord, Double outlet The length of telephone cable upto 35 meter length or less as per site condition with shutter modular type Telephone Outlets (RJ — 11) wth suitable size MS / PVC modular boxes and it laying, fixing, testing and commissioning in suitable size 20/25 mm dia,16 SWG (Medium Gauge) thickness rigid PVC conduit with conduit accessories like bend/junction box/cover plate/sheet steel/PVC box on surface/ concealed manner i/c electrical connections and making goods all the damages,replastering, painting, cleaning the site etc complete as required as per site condition. The floor/roof/wall junction box shuold be of MS(heavy duty) box of suitable size and covered with Steel finish Steel cover sheet by screw tight and gasket to avoid water/dust insertion. Make of Material:- Delton/Finolex/RR cable	12	Nos	
	mounted with its accessories suitable for the multi core telephone cable and shall accommodate tin-plated phosphor bronze connectors, the connectors shall splice unskinned cables up to 0.61 mm dia and shall be terminate both incoming and out going lines, the tag blocks shall be mounted inside, water proof box and locking arrangement and shall be fully accessible. (A) 20 Pair tag block	1	Nos	
14	DATA CABLING FOR LAN	1	1105	
a	Providing, fixing, testing and commissioning of all nodes of four pair UTP CAT 6 LAN cables length upto 30 meter length or less as per site conditionin suitable size 20/25 mm dia, 16 SWG wall thickness rigid PVC conduit with conduit accessories like bend/junction box/ fan box etc on surface/recessed manner and making good all the damages, painting, cleaning the site etc complete as required as per site condition and as directed as required. Junction box shuld be covered with Stainless steel plate with screw with gasket for protection of water/dust. Providing, fixing, testing and commissioning of modular type Information Outlets with suitable size of MS/PVC modular boxes complete, all accessories with insulation displacement connectors etc suitable for CAT 6 UTP cabling with RJ-45 socket with testing and commissioning of STP cabling with scanner for all the nodes/switches/jack panel complete (Each point/circuit/cable from both load and source end to be marked with ferrules.) Make of Material:- (i) Data Cable, Cat 6 cable, Switch, Jack panel, Rack, Patch cords & Other accessories:- D-Link, Legrand			
		22	Nos	
b	Providing and fixing Patch Panels 24port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make)	1	Nos	
С	Providing, assembling, fixing, testing and commissioning Floor/Wall mounted RACKS for gig switches, patch panels etc including cooling DUAL fan trays, a 10 Point PDU, Fixed Trays as necessarycomplete. 9 U wall mounted RACK	_		
d	Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complte with connector on both side.)	1	Nos	
:)	for 1 Mt. long		Nee	
i) ii)	for 2 Mt. long	22 22	Nos. Nos	
e	Providing, fixing,testing and commissioning of four pair CAT 6 LAN cable in suitable size of 20/25mm PVC medium gauge 16SWG conduit including all accessories to interconnect the switches from different location.		1105	
		100	Mtr	
15	TV POINT:-Supply, installation, testing and commissionig of TV point(Modular) with RG-6 cable in the Medimum Gauge 1.6 mm PVC Conduit			
	with all accessories complete in all respect	1	Nos	
16	Supply and installation of Vinyl sticker for on Electrical DBs like, " Switch Off at Night", Switch Off For Safety, etc			
17	Making & Providing of 3 sets of Asbuilt Drawing with coloured print for entier	10	Nos	
	Electrical work (Power/UPS/Light/Data/Telephone/AC etc.) as advised by the Bank's Authority.	1	Lum sum	
	Description of light /fan fixture			
18	LED LUMINARES:- 2' x2' (FULL GLOW TYPE) LED light fittings (600 X600mm) dimension suitable for grid/gypsum ceiling complete with its electrionic driver as required per instruction of Bank's Model No are as under:- PHILIPS:- RC380B G2 LED 35S-6500 PSU OD WH LED (FULLGLOW) WIPRO:- CRCO10RO 38 HP57 HAVELLS:- LHECDIL7IL1W036 (Edge- Lit) CG:- LCTAR3-40-CDL	20	National	
1		38	Nos	

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19	LED DOWNLIGHTER: 15 Watt, recessed mounted circular down lighter , 6" dimension with complete its electronic driver are as under:- PHILIPS:- GREENLED-DN193B LED-12S-6500 PSU WIPRO:- IRIS LED LD 71-121-XXX-50-XX HAVELLS:- LHEBJNP ZPZ 1W 015(ENDURA LOW DEPTH) CG:- LC DD-15-CDL,	36	Nos	
20	LED DOWNLIGHTER: (SURFACE MOUNTED) 15 Watt, surface mounted circular down lighter , 6" dimension with complete its electronic driver are as under:- PHILIPS:- GREENLED-DN193B LED-12S-6500 PSU WIPRO:- IRIS LED LD 71-121-XXX-50-XX HAVELLS:- LHEBJNP ZPZ 1W 015(ENDURA LOW DEPTH) CG:- LC DD-15-CDL,			
21	External Street LED Light- Providing & Fixing of 30 watt LED light fixture, pressure die cast aluminium housing, heat resistant glass, IP 65 protection & better optics for uniform distribution. PHILIPS, WIPRO, HAVELLS, CG	8	Nos	
22	LED Spot Light, 3 Watt, 2/3"(Inches) size as per site requirment.	2	Nos	
	PHILIPS, WIPRO, HAVELLS, CG	10	Nos	
23	LED COVE/ STRIP LIGHT WITH ITS ELECTRONIC DRIVER( BLUE COLOUR):- Supply, installation, testing and commissioning of bright LED strip light with its electronic driver complete as required. PHILIPS, WIPRO, HAVELLS, CG	60	Mtr	
24	Providing & fixing of "Digital Clock" /Digital Panel indicating Time, Day, Date, Temperature at outside of big size,(Ajanta - OLC-1070) as suitable over the facade as advised by the Bank with standard power back up. Make:- Ajanta, Titan		Witt	
		1	Nos	
25	BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt PHILIPS/WIPRO/HAVELLS/CG	12	Nos	
26	CEILING FAN:(5 Star rating, BLDC Fan) Single phase heavy duty grease filled double ball bearing, aerodynamically designed heavy gauge aluminium blades, copper wounded and impregnated silicon stamping motors etc 1200 mm sweep, brilliant white CG/USHA/ ORIENT/HAVELLS	15	Nos	
	EXHAUST FAN:- Single phase, 300mm sweep, 900 rpm, metallic exhaust fan of the following single phase Exhaust fan continuously rated, capacitor start and run type, totally enclosed and ruggedly built, pre lubricated double ball bearing, copper wounded, A & E class insulation, dynamically balanced, below 40 db sound level etc, front cover with grill/gravity louver for protection purpose with 12 mm plywood complete in all respect make as under: CG/USHA/ ORIENT/HAVELLS/ALMONARD/ALSTOM	5	Nos	
	(A) TOTAL ELECTRICAL	-		
(B)	AIR CONDITIONING Supply, installation, testing and commissioning of following AIR CONDIRIONERS as under. The Rate shall be inclusive of all taxes excluding GST. GST will be paid additionally by the Bank as applicable subject to GST Number. and system has complete one year warranty & If any additinal warranty provided by company/vendor in any specific part like compressor etc that is acceptable, please mentioned it.			
	יפור וומר זא מכובףומטוב, אובמאב וווכוונוטוובע וו.			

1	Supply, installation, testing and commissioning of Higher Efficient models of <b>SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR CONDITIONERS 2.0</b> Ton Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, ventilation and with remote control with Cool/Fan/Dry/Auto mode, sleep mode & on/off timer with suitable thermostat. The rate should include installation charges after making appropriate changes in existing false ceiling. Heavy ready made/fabricated M S Stand to house the out door unit as per site conditions including carpentry work, minor civil work and material including copper piping of hard & prime quality of min. 22 G upto 3 metres with class "o" Nitrile insulation 12mm , cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The out door unit should be anti-rust powder coated. Indoor unit should have LED display. The rates inclusive of all repairs of civil and carpentry work The cost includes original fill and additional top			
	up of refrigerant gas as per site condition. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. Make of ACs:- Daikin/Hitachi/Voltas/Bluestar/Carrier only			
2	Supply, installation, testing and commissioning of Higher Efficient models of CASSETTE TYPE AIR CONDITIONERS(Two) 2.0 Ton, INVERTER AC Machines confirming to latest Indian Standards and suitable for operation on 220 Volts	2	Nos	
	+ 10 %, three Phase, 50 Hz AC supply with Scroll compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, ventilation and with remote control with Cool/Fan/Dry/Auto mode, sleep mode & on/off timer with suitable thermostat. The rate should include installation charges after making			
	appropriate changes in existing false ceiling. Heavy ready made/fabricated M S Stand to house the out door unit as per site conditions including carpentry work, minor civil work and cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The rates inclusive of all repairs of civil and			
	carpentry work The out door unit should be anti-rust powder coated. The cost includes original fill and additional top up of refrigerant gas as per site condition. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. Make of ACs:- Daikin/Hitachi/Voltas/Bluestar/Carrier only			
3	Supply, installation, testing and commissioning of Higher Efficient models of <b>CASSETTE TYPE AIR CONDITIONERS(Three) 3.0 Ton, INVERTER AC</b> Machines confirming to latest Indian Standards and suitable for operation on 415 Volts + 10 %, three Phase, 50 Hz AC supply with Scroll compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, ventilation and with remote control with Cool/Fan/Dry/Auto mode, sleep mode & on/off timer with suitable thermostat. The rate should include installation charges after making appropriate changes in existing false ceiling. Heavy ready made/fabricated M S Stand to house the out door unit as per site conditions including carpentry work, minor civil work and cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The rates inclusive of all repairs of civil and carpentry work The out door unit should be anti-rust powder coated. The cost includes original fill and additional top up of refrigerant gas as per site condition. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. Make of ACs:- Daikin/Hitachi/Voltas/Bluestar/Carrier only	4	Nos	
		3	Nos	 

4	Supply and installation of soft & prime quality of min. 22 G Copper pipe for " Split AC only" with class "o" Nitrile insulation of minimum 12mm for split air conditioner including interconnection power/ communication cable between indoor and outdoor unit as per site requirement. (If required additionally, payment will made as per actual installtion. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. Make of Insulation:- Superlon/Aflex/Armacell/Kflex Make of cable:- Finolex/RR/Havells				
5		65	Mtr		
5	Supply and installation of hard & prime quality of min. 22 G Copper pipe for "Cassette AC Only" with class "o" Nitrile insulation of minimum 12 mm for 3 / 4 ton cassette type air conditioner including interconnection power/ communication cable between indoor and outdoor unit as per site requirement.( If required additionally, payment will made as per actual installtion.) The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. Make of Insulation:- Superlon/Aflex/Armacell/Kflex . Make of cable:Finolex/RR				
		190	Mtr		
6	Drain Pipe (If Required additional) Applicale to both ACs(Cassette & Split AC). Supply and laying of heavy gauge PVC drain piping of 40mm with insulation as per site requirement with its all accessories like bend, solution etc as per site condition. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaing to mentioned work. (If required additionally, payment will made as per actual installtion.) Make:-Kasta/supreme	80	Mtr		
7	Providing & fixing of 5 KVA Voltage stabilizer with time delay option	80	IVILI		
ľ	including all accessories with installation at site ( For 2.0 Tr Split AC & 2.0 Tr Cassette AC) Make:-Microtek, V-Gards (Voltage Range 150- 280 Volts)				
		6	Nos		
8	Electronic Timer for auto swith on/off to AC of server/ATM/E-lobby for 4Hr/8Hr. Make:- Legrand, L&T, and other Eq. ISI make	1	Nos		
	TOTAL:- (.B) AIR CONDITIONING WORK				
	SUMMARY:-				
	(A) SUB- TOTAL OF ELECTRICAL WORK				
	(B) SUB- TOTAL OF AIR CONDITIONING WORK				
	TOTAL( A+ B )				
	GST will be paid additionally as applicable @18%				
					<u> </u>
				Seal & Signat	ture o Contractor