BOQ OF ELECTRICAL WORKS IN EXISTING BRANCH PREMISES OF "SBI" ITI RAMPUR BRANCH, RBO - Korba, C.G.

	RBO - Korba, C.G.					
S.N	Description of Item	Qty	Unit	Rate	Amount	
о. А	Part A : Electrical Works :					
1	ELECTRICAL WIRING 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 FRLS WIRE 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. The item includes Circuit wiring from DB to the switch board with 3x2.5 Sq.MM . 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					
	Make of Material for items of BOQ:- (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					
i	Providing and fixing of point wiring with above specifications. One light point controlled by one switch.	90	Nos.			
ii	Providing and fixing of point wiring with same above specifications. Two light points to be controlled by one switch.	25	Nos			
2	Call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	1	Nos			
3	Providing and fixing of Ceiling fan point controlled as under (i) one 6 amp switch (ii) one no stepped electronic regulator of two module type.	15	Nos.			
4	Providing and fixing 6 Amps Plug Points with same specs as above and install along with same light switchboard	22	Nos			
5	6 amp. Modular switch as serial no 1 on seperate Board using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB to first 6A, 5 Pin modular socket controlled by one 6A switch and looped to the nearest second point with same 2*2.5 + 1*2.5 Sqmm copper conductor wires FRLS insulated 1100V grade (max 3 points per circuit).		Nos			
6	Same as serial no.1, but wiring for 16 <i>Amp</i> , 6 - <i>pin</i> sockets by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire with independent 1* 4.0 sq.mm earth wire from D.B. to first point 1 st socket and 1 st to 2 nd , socket with 2*2.5 sq.mm. and 1*2.5 earth wire including providing and fixing of 16 Amp, 6 –pin socket with 16 Amp. Switch. (Modular type switch/ socket/ plate etc. complete assembly) max 2 points per circuit.		Nos			

	2			
7	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)	18	Nos	
8	AC & Power Point (Single Phase). Supply, Installation, Testing and commissioning of the surface / recess mounting A.C. / GEYSER power point with the followings : 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. OR Modular 32A DP 1 way switch with plate & box 1 set. + 25A & 10A twin socket (Only one point is connected with one circuit as mentioned below)		Nos	
9	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 with one circuit as mentioned below) including 5 X 4 Sqmm. Copper multistrend FRLS wire in suitable size of 16 SWG (MMS) steel conduit (For Cassettee AC)		Nos	
	·	5	Nos	
10	<i>CIRCUIT WIRING :(FRLS WIRE)</i> 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.			
а	3 X 2.5 sqmm (For UPS Circuit/6 amp Separate Board) in suitable size of 16 SWG (MMS) steel conduit as per IS code.	40	Nos	
b	3 X 4.0 sqmm (For 1 ton, 1.50, 2.00 & 2.00 Cassette AC / PowerCircuit) in suitable size of 16 SWG (MMS) steel conduit as per IS code.	8	Nos	
с	5 X 4 Sqmm. Copper multistrend wire in suitable size of 16 SWG (MMS) steel conduit (For 3 TON Cassettee AC)	100	R.Mtr	
11	MAIN PANEL AND METER BOARD All MCB to be "C" series			
	Supply, installatin, Testing and commissioning of the surface/recess mounting following ways MCB DB's 230/415 Volts with tinned copper, busbar, neutral bar, earth bar, din bar detachable gland plate, interconnection and making good all the damages, painting, cleaning the site etc complete as required as per site requirement. All MCCB has braking capacity is 25KA and ALL MCB/ELCB has breaking capacity has 10 KA. Make of Materials. Panel-As per IS Standards/CPRI Tested. DBs/MCCB/MCBs- Legrand/Siemens/Hagger/Schneider only. (<i>Note:- Before Placing the Panel order,firstly it Passed by the Bank Authority, otherwise it will not be considered</i>)			

Supplying, installation testing and commissioning of indoor type, sectionalised, compartmentialed, IW Panel board of sublets size fabricated from CRCA sheet of 2 mm thick for frame work enclosure and doors, 3mm thick for grandplates with strengted, having vibration free structure chemically treated with seven tank process before painting for surface treatmentand powder coaled, with adminium busiter with DMC / SMC busiters supports subletie for 3 phase 415 v 50 tr AC supply for providing and fully file following subtheger more structure chemically treated with seven tank (<i>The board shall be dust & vermin proof with suitable degree of IP protection</i>) NOTE: All switchgears lcs shall be equal to 100% lcu Sheet 14 swy: panel side upper, lower and FL doors. Sheet 14 swy: panel side upper, lower and FL doors. Sheet 15 swy: back side and compartments. Glaind plates: 3 mm thick. Cable entry: Provision at bottom and upper sides. The above panel belongs following as under: BLNCOMING SWITCHGEARS: Distribution SWITCHGEARS: Distribution SWITCHGEARS: Distribution SWITCHGEARS: Distribution and upper sides. The above panel belongs following as under: Cut TGOING SWITCHGEARS: Distribution and the size shall be equal to 100% lcu Structure 125kmp TI MCCB for main with 200amp bus bar with indicator: Distribution bar after parallel connection with D2 changeover output (Note: Before Placing the Panel order, firstly it Passed by The Bank Authority, otherwise if will not considered) a SDP(Surge Protector Device) 1 Sati Supply & Installation of SDP(Surge Protector Device) for general protection of main Destribution Board Legrad Make Cat. No. 412247 (GP-NI), 406, A12. Irank AUKApole with complete wing. b 6 4 Sati Supply & Installation of SDP(Surge Protector Device) for general protection of main Destribution		3			
Sheet 14 swg: panel side upper, lower and FL doors. Sheet 15 swg: back side and compartments. Gland plates :3 mm thick. Cable entry : Provision at bottom and upper sides. The above pand belongs following as under: 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 suitable size of CTS, selector switches etc. C. OUTGOING SWITCHGEARS: (ii) 1 Nos - 125Amp TP MCCB for main with 200amp bus bar with indicator. (iii) 100 amp onload 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 Set a SDP(Surge Protector Device) 1 supply & Installation of SDP(Surge Protector Device) for general protection of main Distribution Board Legrad Make Cat No. 412247 (3P+N), 40 KA, 72- Imax 40KA/pole with complete wiring. 1 b 6-way TPN DB (LIGHT DB) 2 Set b 6-way TPN DB (LIGHT DB) 2 Set 1 Noc 32 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase 2 0.0.100/05 Amp (10 KA) SP MCB		sectionalised, compartmentalized, MV Panel board of suitable size fabricated from CRCA sheet of 2 mm thick for frame work enclousure and doors, 3mm thick for gland plates with stiffers where required, having vibration free structure chemically treated with seven tank process before painting for surface treatmentand powder coated, with aluminum busbar with DMC / SMC busbar supports suitable for 3 phase 415 V 50 Hz AC supply i/c providing and fixing the following switchgear mounted thereon complete with gaskets and interconnections, connection as per specification complete as required. (<i>The board shall be dust & vermin proof with suitable degree of IP</i>			
a SDP(Surge Protector Devicve) 1 Set 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.		 Sheet 14 swg: panel side upper, lower and Ft. doors. Sheet 16 swg : back side and compartments. Gland plates : 3 mm thick. Cable entry : Provision at bottom and upper sides. The above panel belongs following as under: 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 sutiable size of CTS, selector switches etc. C. OUTGOING SWITCHGEARS: (i) 1 Nos- 125Amp TP MCCB for main with 200amp bus bar with indicator. (ii) 160 amp onload 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) (Note: Before Placing the Panel order, firstly it Passed by The Bank 			
a SDP(Surge Protector Devicve) 1 Set 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	Set	
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. b 6-way TPN DB (LIGHT DB) 2 Set Incomer:- 1 1 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. b 6-way TPN DB (LIGHT DB) 2 Set Incomer:- 1 No. 32 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase 10-12 Nos.6/10/25 Amp (10 KA) SP MCB c 4-way TPN DB (POWER DB) 2 Set incomer:- 1 1 Set 1 No. 63 Amp TPN (10 KA) MCB 2 Set Outgoing:- 0 1 Set 1 No. 63 Amp TPN (10 KA) SP MCB 1 Set 1 No Ros.16 Amp (10 KA) SP MCB 1 Set d 4-way V-TPN DB (LIGHT) 1 Set Incomer:- 1 1 Set 1 No. 80 Amp 4 Pole (16 KA) MCCB 1 1 Outgoing:- 1 1 Set 1 No. 40 Amp (16 KA) TP MCB 1 1 <th></th> <th></th> <th></th> <th></th> <th></th>					
Incomer:- Image: Control (10 KA) MCB with 40 A DP RCCB (100 MA) each phase Image: Control (10 KA) SP MCB Image: Control (10 KA) SP MCB Image: Control (10 KA) MCCB Image: Control (1	а	Supply & Installation of SDP(Surge Protector Devicve) for general protection of main Distribution Board Legrad Make Cat No. 412247		Set	
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1 No. 32 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase	b		2	Set	
phase					
Outgoing:- Image: Control of the system Image: Control of					
10-12 Nos.6/10/25 Amp (10 KA) SP MCB Image: Constraint of the system		-			
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1 No. 63 Amp TPN (10 KA) MCB	С	4-way TPN DB (POWER DB)	2	Set	
Outgoing:- Image: Constraint of the second sec					
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d 4-way V-TPN DB (LIGHT) 1 Set Incomer:- 1 Set Incomer:- 1 No. 80 Amp 4 Pole (16 KA) MCCB Image: Comparison of the set of					
Incomer:- Image: Comparison of the state of		10 Nos.16 Amp (10 KA) SP MCB			
Incomer:- Image: Comparison of the state of					
1 No. 80 Amp 4 Pole (16 KA) MCCB	d	4-way V-TPN DB (LIGHT)	1	Set	
Outgoing:- Image: Control of the second		Incomer:-			
4No. 40 Amp (16 KA) TP MCB		1 No. 80 Amp 4 Pole (16 KA) MCCB			
5 Nos. 25 Amp (10 KA) SP MCB					
		5 Nos. 25 Amp (10 KA) SP MCB			
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е	8-way V-TPN DB (AC)	2	Set	
	Incomer:-			
	1 No. 80 Amp 4 Pole (16 KA) MCCB			
	Outgoing:-			
	4No. 40 Amp (16 KA) TP MCB			
	5 Nos. 25 Amp (10 KA) SP MCB			
f	4-way TPN DB UPS ROOM	2	Set	
	Incomer:-			
	1 No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each			
	phase			
	Outgoing:-			
	2Nos. 40 Amp (10 KA) DP MCB, For UPS outgoings tto individual SDB			
~	12-way SPN DB (For UPS Sub DB)	2	Set	
g	Incomer:-	2	Sei	
	1 No. 40 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)			
	Outgoing:-			
	8-10 Nos.6/10Amp (10 KA) SP MCB			
h	KIT KAT 300 AMP.	1	Set	
	Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base		001	
	with wooden frame of 300 amp/415 Volt near meter box			
12	CABLES			
	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: Dawella, Camet			
	(ii) Cable Termination:- Dowells, Comet			
i	3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS &			
	A.C. DB)/Main cable	45	Mtr	
	Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100			
	volts grade PVC insulated <u>copper conductor</u> armoured cable with 10			
ii	gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as			
	required as per specification from <i>Main board to UPS Room</i>	95	Mtr	
	Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100		iviti	
	volts grade PVC insulated aluminum conductor armoured cable with 10			
iii	gauge earth copper wire including cables end termination using			
	appropriate Lugs, Glands, termination acessories, Clamps etc. as			
	required as per specification Pane to (POWER/UPS) DB	65	Mtr	
	Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100			
i.,	volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using			
iv	appropriate Lugs, Glands, termination acessories, Clamps etc. as			
	required as per specification (<i>Light DB</i>).	50	Mtr	
	Supplying, laying, testing & commissioning of 4 C x 50 sq.mm. at 1100			
	volts grade PVC insulated aluminum conductor armoured cable with 10			
v	gauge earth copper wire including cables end termination using			
	appropriate Lugs, Glands, termination acessories, Clamps etc. as			
	required as per specification <i>(Mains)</i> .	20	Mtr	
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13	EARTHING			
	COPPER PLATE EARTH STATION:			
	Preparation of the Plate Earth Station:(As per IS:3043)			
	(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.			
	(b) Supply and fixing of Copper Plate of Size 600 mm X 600 mm X 3.0			
	mm thick.			
	(c) Fixing of 50 mm X 6 mm, 3 Mtrs copper strips from Copper Plate to			
a	earth terminal including brazing/welding at plate etc. (d) Supply and laying in position 19 mm, 2 Mtrs G.I "B" Class pipe for			
-	watering with reducer/funnel with mesh.			
	(e) Supply and Fixing of the following in the earth station.			
	(i) 75 Kg. Charcoal.			
	(ii) 15 Kg. Original Salt.			
	(iii) Black Cotton soil of adequate amount.			
	(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.	2	Nos	
	G.I.PLATE EARTH STATION :			
	Preparation of the Plate Earth Station: (as per IS:3043)			
	(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.			
	(b) S/F of G.I. plate of size $600 \times 600 \times 6.0$ mm thick.			
	(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.			
b	(d) Supplying and laying in position 19 mm, 2 mtrs G.I. `B' class pipe for			
	watering.with reducer/funnel with mesh.			
	(e) S/F of the following in the earth station.			
	75 Kg. Charcoal, 15 Kg. Original Salt. and Black Cotton soil of adequate amount.			
	(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 & identification etc.			
		3	Nos	
d	Providing and fixing of Copper / GI strips in surface or in recess for loop earthing etc. as required.			
i	25 mm x 3 mm copper strip with proper clamps	60	Mtr	
ii	25 mm x 5 mm GI strip	50	Mtr	
iii	Providing and fixing 2 X 8 SWG dia. Cu earth wire in PVC conduit on			
	surface or in recess for loop earthing along with the existing surface/			
	recess cable as required.	120	Mtr	
е	OCCUPANCY SENSORS:-			
	Supply, installation, testing and commissioning of occupancy sensor			
	surface/recess mounted as per site condition complete with all wiring/conduit/Switch etc complete in all respect as per site condition as			
	required Honeywell Make K5015/16, Siemens/Johnson Control			
	OR Equivalent as per Bank's approved.	3	Nos	
14	TELEPHONE POINT			

Two pair, 0.61 mm dia, telephone cable inimed copper conductor, P. V.C. insultated and sheathed, fire retarking, and trength or telephone cable upto 35 meter Karght or less as per stee condition with shutter modular type Telephone Outlets (R J — 11) wft suitable size MS (PVC modular boxes and Lialwing, King, Lessing and commissioning in suitable size 2023 mm dia, 16 SWG (Medium Gauge) thickness rigid PVC conduit with conduct accessores like bendjurction box (rover plate) sheat one et al. data data data as per ste condition. The foor/ownall uinton box shuid be of MS(heavy duty) box of suitable size and covered with Steef finich Steel cover sheet by screw tight and gasket to avoid wateridust insertion. Make of Material: Delton/Finolex/R cable Supplying and fixing of krone telephone tag block on surface/ recess and shall accommodate tim-plated phosphor broze connectors, the ing: connectors shall splice unxinde cables up to 0.61 mm dia and shall be fully accessible. (A) 20 Pair tag block Porviding, King, testing and commissioning of all nodes of four pair UTP CAT 6 LAN cables length byto 30 meter length or tests as par site condition is suitable size 2025 mm dia, 16 SWG wall thickness rigid Providing, King, testing and commissioning of all nodes of four pair UTP Providing, acting the pr		6			
Supplying and fixing of krone telephone tag block on surface/ recess mounted with its accessories suitable for the multi core telephone cable and shall accommodate tin-plated for the multi core telephone cable 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. Nos 15 DATA CABLING FOR LAN Nos 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 et 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 scamer for all the nodes/switches/jack panel complete (Each point/circuit/cable from both load and source end to be marked with ferrules.) 27 Nos Providing and fixing Patch Panels 30 port (100 base TX) CAT 6 b patch/jack panel with connector, out lets and necessary connectivity complete as required 3.0 port PUL, Fixed Trays as necessary connectivity complete as required 3.0 port PUL, Fixed Trays as necessary connectivity complete as required 3.0 port PUL, Fixed Trays as necessary connectivity complete as required 3.0 port PUL, Fixed Trays as necessary connectivity to mounted RACKS for gig switches, patch panels etc including cooling DUAL fan trays, a 10 Point PUL, Fixed Trays as necessary com	(i)	insulated and sheathed, fire retarding, anti termite, colour coded twisted pairs and rip cord, Double outlet The length of telephone cable upto 35 <i>meter length</i> 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.	13	Nos	
mounted with its accessories suitable for the multi core telephone cable and shall accommodate tin-plated hosphor bronze connectors, the connectors shall splice unskinned cables up to 0.61 mm dia and shall be mounted inside, water proof box and locking arrangement and shall be the mounted inside, water proof box and locking arrangement and shall be mounted inside, water proof box and locking arrangement and shall be the condition suitable size 20/25 mm dia, 16 SWG wall thickness rigid PVC conduit with conduit accessories like bend/junction box fan box etc on sufface/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 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 GTP cabling with scanner for all the nodes/switches/jack panel complete (Each pictoriut/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 Duck far arrays, at 10 point PDU, Fixed Trays as necessary connectivity complete as required & D-Link make) DUAL far trays, at 10 point PDU, Fixed Trays as necessary connectivity complete as required & CD-Link make) DUAL far trays, at 10 point PDU, Fixed Trays as necessary connectivity complete with connector, out lets and necessary connectivity complete as required & CD-Link make) DUAL far trays, at 10 point PDU, Fixed Trays as necessary connectivity complete with connector, out lets and necessary connectivity complete with connector,		Supplying and fiving of krone telephone tag block on surface/ recess	-	1100	
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 condition suitable size 20/25 mm dia, 16 SWG wall hitchness 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 et 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 a 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 node/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 27 Nos Providing and fixing Patch Panels 30 port (100 base TX) CAT 6 b patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) 1 Nos c DAL fan trays, a 10 Point PDU, Fixed Trays as necessarycomplete. 9 U wall mounted RACK 1 Nos d Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 comple with connector obth side.) 27 Nos. i) for 1 ML long 27 Nos 27 Nos r Providing, fixing, testing and commissioning of four pair CAT 6 LAN cable in su	(,	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		Nos	
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 as required as per site condition and as directed as required as required as per site condition and as directed as required as required as per site condition and as directed as required as required as per site condition and as directed as required as required as per site condition and as directed as required as required as per site condition and as directed as required as required as per site condition and as directed as required as required as per site conduits. Providing, fixing, testing and commissioning of STP 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 form 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 27 Nos Providing and fixing Patch Panels 30 port (100 base TX) CAT 6 b patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) 1 Nos Providing, assembling, fixing, testing and commissioning Floor/Wall mounted RACK 1 Nos Providing, assembling, fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 Complet with connector on both side.) 1 Nos I) for 1 Mt. long 27 Nos. <	15	DATA CABLING FOR LAN			
b patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make) 1 Nos 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 1 Nos d Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complte with connector on both side.) 1 Nos i) for 1 Mt. long 27 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. 50 Mtr 16 point(Modular) with RG-6 cable in the Medimum Gauge 1.6 mm PVC Conduit with all accessories complete in all respect 1 Nos	a	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	27	Nos	
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 1 Nos d Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 1 Nos d Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 27 Nos. ii) for 1 Mt. long 27 Nos. 1 iii) for 2 Mt. long 27 Nos 1 e Providing, fixing,testing and commissioning of four pair CAT 6 LAN cable 1 1 in suitable size of 20/25mm PVC medium gauge 16SWG conduit 50 Mtr focation. 50 Mtr 16 point(Modular) with RG-6 cable in the Medimum Gauge 1.6 mm PVC 1 Nos conduit with all accessories complete in all respect 1 Nos 1	b	patch/jack panel with connector, out lets and necessary connectivity		Nos	
a 6 complte with connector on both side.) 27 Nos. i) for 1 Mt. long 27 Nos. ii) for 2 Mt. long 27 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. 50 Mtr 16 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 17 Supply and installation of Vinyl sticker for on Electrical DBs like, "Switch 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			
ii) for 2 Mt. long 27 Nos 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. 8 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 13 Supply and installation of Vinyl sticker for on Electrical DBs like, "Switch 5 1	d	6 complte with connector on both side.)			
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. 50 Mtr 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 15 Supply and installation of Vinyl sticker for on Electrical DBs like, "Switch 1 Nos	i)	for 1 Mt. long	27	Nos.	
e in suitable size of 20/25mm PVC medium gauge 16SWG conduit including all accessories to interconnect the switches from different location. 50 Mtr 16 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 17 Supply and installation of Vinyl sticker for on Electrical DBs like, "Switch 1 Nos	ii)	ç		Nos	
16 point(Modular) with RG-6 cable in the Medimum Gauge 1.6 mm PVC Conduit with all accessories complete in all respect 1 Nos 17 Supply and installation of Vinyl sticker for on Electrical DBs like, "Switch 1 Nos	e	in suitable size of 20/25mm PVC medium gauge 16SWG conduit including all accessories to interconnect the switches from different location.		Mtr	
	16	point(Modular) with RG-6 cable in the Medimum Gauge 1.6 mm PVC Conduit with all accessories complete in all respect	1	Nos	
	17			Nos	

	Making & Providing of 3 sets of Asbuilt Drawing with coloured print for		ГТ	
18	entier Electrical work (Power/UPS/Light/Data/ Telephone/AC etc.) as		Lum	
	advised by the Bank's Authority.	1	sum	
	Description of light /fan fixture			
	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:-			
19	PHILIPS:- RC380B G2 LED 35S-6500 PSU OD WH LED (FULLGLOW) WIPRO:- CRCO1ORO 38 HP57			
	HAVELLS:- LHECDIL7IL1W036 (Edge- Lit) CG:- LCTAR3-40-CDL			
		40	Nos	
	LED DOWNLIGHTER: 15 Watt, recessed mounted circular down lighter , 6" dimension with			
20	complete its electronic driver are as under:- PHILIPS:- GREENLED-DN193B LED-12S-6500 PSU			
20	WIPRO:- IRIS LED LD 71-121-XXX-50-XX			
	HAVELLS:- LHEBJNP ZPZ 1W 015(ENDURA LOW DEPTH) CG:- LC DD-15-CDL,	44	Nos	
21	LED Spot Light, 3 Watt, 2/3"(Inches) size as per site requirment. PHILIPS, WIPRO, HAVELLS, CG	7	Nos	
	LED COVE / STRIP LIGHT WITH ITS ELECTRONIC DRIVER(BLUE	I	1105	
22	COLOUR):- Supply, installation, testing and commissioning of bright LED strip light with its electronic driver complete as required.			
	PHILIPS, WIPRO, HAVELLS, CG Providing & fixing of "Digital Clock" /Digital Panel indicating Time,	125	Mtr	
23	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	1	Nos	
24	BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt - PHILIPS/WIPRO/HAVELLS/CG	22	Nos	
	External Street LED Light- Providing & Fixing of 30 watt LED light			
25	fixture, pressure die cast aluminium housing, heat resistant glass, IP 65 protection & better optics for uniform distribution. PHILIPS, WIPRO,	4	Nos	
	HAVELLS, CG CEILING FAN: FIVE STAR RATING BLDC FAN			
	Single phase heavy duty grease filled double ball bearing, aerodynamically designed heavy gauge aluminium blades, copper			
25	wounded and impregnated silicon stamping motors etc 1200 mm sweep, brilliant white			
	CG/ USHA/ ORIENT/ HAVELLS	15	Nos	
	WALL FAN:-(Only Metallic Body) Oscillating wall fan with regulator i/c coonections etc complete as			
26	required as per approved make, Sweep 400/450 mm , RPM 1300 make are as under:			
	CG/USHA/ ORIENT/HAVELLS	6	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			
27	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	4	Nos	
	Sub Total : Part A (Electrical Works)			
	Total : Part (A)			
	Total			
	Iotai		1	

 Note:- The rates quoted includes all other taxes,duties, loading,						
unloading,transportation,other expenses etc to site.						
GST will be paid additionally as applicable						
		Seal & Signature of Contractor				