BOQ OF ELECTRICAL & AIR CONDITIONING WORKS OF EXISTING BRANCH PREMISES "S.B.I." AT BALGI - RBO KORBA, C.G.

0 ***	Bacariation of term	_	1114	Det	A
S.No.	Description of Item	Qty	Unit	Rate	Amount
Α	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				
	Providing and fixing of point wiring with above specifications. One light				
а	point controlled by one switch.	54	Nos.		
b	Providing and fixing of point wiring with same above specifications. Two				
	light points to be controlled by one switch.	6	Nos		
1	Providing and fixing of ceiling fan point controlled as under				
С	(i) one 6 amp switch	12	Nos.		
<u> </u>	(ii) one no stepped electronic regulator of two module type. providing and fixing 6 Amps Plug Points with same specs as above and		NOS.		
d	install along with same light switchboard	12	Nos		
	Master switch of 16 Amps(Only Grey/Golden/Wooden colour other than		. 100		
e.	white colour) to install alongwith same light switch board to control all light				
L	as a master switch ON/OFF in each switch board	10	Nos		
	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 /				
2	concealed manner I/c electrical connections and making good all the				
1	damages, painting, cleaning the site etc complete including all accessories				
1	as per site requirement and as directed. (Minimum two and Maximum three				
	points are loop with one circuit as mentioned beolw)	10	Nos		
	Power Wring (6 / 16 AMP. POWER POINTS). Supply, fixing, testing and		1105		
1	commissioning of 1 No 16 A switch & 1 No.six pin 6/16 Amp. Multi Socket (
1	Modular Type) with cover plate , sheet steel box etc on surface / concealed				
3	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				
<u></u>	as mentioned below)	10	Nos		

	2			
4	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	Nos	
5	AC/ Geyser 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	
6	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)		Nos	
7	CIRCUIT WIRING:(FRLS WIRE) 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.			
7.a	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.	8	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.	6	Nos	
8 (a)	UPS OUTGOING & OTHER FRLS WIRING, As Per Requirment. 3 x 10 Sqmm copper multistreand FRLS wire in 25 mm 16 SGW (MMS) steel conduit.(UPS INPUT DB TO UPS)	20	R.Mtr	
(b)	3 X 1.5 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.	5	R.Mtr	
(c)	3 X 2.5 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.	5	R.Mtr	
(d)	3 X 4 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.	5	R.Mtr	
(e)	5 X 4 Sqmm. Copper multistrend FRLS wire in suitable size of 16 SWG (MMS) steel conduit (For Cassettee AC) 3 X 6 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG	50	R.Mtr	
(f) 9	(MMS) steel conduit. DISTRIBUTION BOARDS	40	R.Mtr	
9	All MCB to be "C" series			
		l .		

	3			
Α	Supplying, installation, testing and commissioning of indoor type, sectionalised, compartmentalized, MV Panel board of suitable size fabricated from CRCA sheet of 2 mm thick for frame work,enclosure and doors, 3 mm thick for gland plates with stiffers where required, having vibration free structure chemically treated with seven tank process before painting for surface treatment and 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. (The board shall be dust & vermin proof with suitable degree of IP protection) NOTE: All switchgears lcs shall be equal to 100% lcu.Sheet 14 swg: panel sides,upper,lower,and Ft.doors Sheet 16 swg: back side and compartments. Glande plates: 3 mm thick. Cable entry: Provision at bottom and upper sides. The above panel belongs following as under: A. 4 Nos. 200 Amp. Electrolytic grade Aluminum Bus Bars insulated with colored Heat Shrinkable PVC Sleeves & duly supported on SMC/DMC molded supports with Antitracking barriers. B.INCOMING SWITCHGEARS: (RYB LED Indicators for Both Main/DG) (i) 1 No. FP.200 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)			
В	Supply & Installation of SDP(Surge Protector Devicve) for general protection of main Distribution Board Legrad Make Cat No. 412247 (3P+N),	1	Nos	
	40 KA, T2- Imax 40KA/pole with complete wiring. Providing & fixing 8 way vertical load line double door D.B for AC with 125	1	Nos	
С	Amp. TP MCCB incomer and outgoing to be 7 Nos 32 amp TP MCB, 3 Nos			
	32 amp SP MCB (First Floor)	1	Nos	
_	Providing and fixing 6 way TPN double door DB for LIGHT /POWER			
D	POINTS with 63 Amp TPN , controlling 18 Nos. 10/16/32 Amps SPMCBs. &	1	Nos	
	Complete. Providing and fixing 4 way TPN double door DB for LIGHT /POWER	<u>'</u>	INUS	
E	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	1	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	1	Nos.	
	Providing and fixing (4) way TPN double door type For UPS INPUT with	'	1403.	
Н	1x63 Amps TPNand 63 amp DP MCB- 3 Nos & 3 Nos, 32 amp SP MCB			
	complete (E-lobby/UPS Output)	1	Nos.	
10	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		Nos	
11	CABLES			

Supplying, unloading, storage, laying, testing and commissioning of PVCXI.PE insulated (Heavy Duty) Alfuc conductor armounced cable suitable for working voltage upto and including 1100 V grade, laid and tied on wasting 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 on with double run (2 No.) of Gl wire of 8 SWG size. The size of cables are as under: (i) PVCXI.PC Armoured cable:- Finolex, Havells, RR cable, CCI(Cable Corp. of India) (ii) Cable Termination:- Dowells, Comet a) Cable 3, 3, 5 X 50 Sq.mm XI.PE. Al. armoured Cable(AC VTPN & BUS BARS)/Main Cable b) 3, 5 X 50 Sq.mm XI.PE. Al. armoured Cable (AC VTPN & BUS BARS)/Main Cable c) 4X 25 Sq.mm XI.PE Al. armoured Cable (PCWER/LGHTU/PS) d) 4X 16 Sq.mm XI.PE Al. armoured Cable (PCWER/LGHTU/PS) d) 4X 16 Sq.mm XI.PE Al. armoured Cable (LIGHT/UPS) 40 Wir Cable COPPER PLATE EARTH STATION: Preparation of the Plate Earth Station; As per IS.3043) (ii) Execution 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 600 mm. X		(b) G.I.Strip 25 X 5 mm 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	40	Mtr	
PVCXLPE insulated (Heavy Dury) AllCu 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/all 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) PVCXLPC Armoured cable: Finolex, Havells, RR cable, CCI(Cable Corp. of India) (ii) Cable Termination: Dowells, Comet 3.5 X 70 Sq.mm XLPE. Al. armoured Cable(AC VTPN & BUS BARS)/Main Cable 5.3 X 50 Sq.mm XLPE. Al. armoured Cable(AC VTPN & BUS BARS)/Main Cable 6.4 X 25 Sq.mm XLPE. Al. armoured Cable (POWER/LIGHT/UPS) 4.0 Mir 4.1 X 16 Sq.mm XLPE. Al. armoured Cable (POWER/LIGHT/UPS) 4.0 Mir 4.1 X 16 Sq.mm XLPE. Al. armoured Cable (LIGHT/UPS) 4.0 Mir 4.1 X 16 Sq.mm XLPE. Al. armoured Cable (LIGHT/UPS) 4.0 Mir 4.1 X 16 Sq.mm XLPE. Al. armoured Cable (LIGHT/UPS) 4.0 Mir 4.1 X 16 Sq.mm XLPE. Al. armoured Cable (LIGHT/UPS) 4.0 Mir 4.1 X 16 Sq.mm XLPE. Al. armoured Cable (LIGHT/UPS) 4.0 Mir 4.1 X 16 Sq.mm XLPE. Al. armoured Cable (LIGHT/UPS) 4.0 Mir 4.1 X 16 Sq.mm XLPE. Al. armoured Cable (LIGHT/UPS) 4.0 Mir 4.1 Sq.mm XLPE. Al. armoured Cable (LIGHT/UPS) 4.0 Mir 4.1 Sq.mm XLPE. Al. armoured Cable (LIGHT/UPS) 4.0 Mir 4.1 Sq.mm XLPE. Al. armoured Cable (LIGHT/UPS) 4.0 Mir 4.1 Sq.mm XLPE. Al. armoured Cable (LIGHT/UPS) 4.0 Mir 5.1 Sq.mm XLPE. Al. armoured Cable (LIGHT/UPS) 4.0 Mir 6.1 Exercised of the Cable (LIGHT/UPS) 4.0 Mir 6.1 Exercised of the Cable (LIGHT/UPS) 4.0 Mir 6.2 Exercised of the Cable (LIGHT/UPS) 6.3 Exercised of the Cable (LIGHT/UPS) 6.4 Exercised of	(iii)	below in all types of soil/ rocks etc complete as requiued. (a) Copper Strip		Mtr.	
PVC/XLPE insulated (Heavy Duty) AI/Cu conductor amoured 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 copperate 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: (i) PVC/XLPC Armoured cable: Finolex, Havells, RR cable, CCI(Cable Corp. of India) (ii) Cable Termination: Dowells, Comet a) 3.5 x 50 Sq.mm XLPE. AI. armoured Cable(AC VTPN & BUS BARS)/Main Cable (c) 3.5 x 50 Sq.mm XLPE. AI. armoured Cable(AC VTPN & BUS BARS)/Main Cable (c) 4x 25 Sq.mm XLPE.AI. armoured Cable (POWER/LIGHT/UPS) 40 4x 16 Sq.mm XLPE.AI. armoured Cable (POWER/LIGHT/UPS) 40 4x 17 Sq.mm XLPE.AI. armoured Cable (LIGHT/UPS) 40 4x 16 Sq.mm XLPE.AI. armoured Cable (LIGHT/UPS) 41 4x 16 Sq.mm XLPE.AI. armoured Cable (LIGHT/UPS) 42 EARTHING COPPER PLATE EARTH STATION: Preparation of the Plate Earth Station: (As per IS:3043) (a) Excavation of hard coxyle arth, 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 hink. (c) Fixing of 50 mm X 6 mm, 3 Mtrs copper strips from Copper Plate to earth terminal including brazing/welding at plate etc. (i) (i) Supply and rising of the following in the earth station. (i) To Kg. Charcoal. (ii) Sk., Original Salt. (iii) Black Cotton soil of the earth station, the earth pit size is 1000 mm x 1000 mm x 2500 mm deep. (b) SF of GL. plate of size 600 x 600 x 6.0 mm thick. (c) SF fixing 50 mm x 6 mm, 3 mms GL, strips from GL.plate to earth terminal including brazing in the ea				Nos	
PVC/XLPE insulated (Heavy Duty) AI/Cu conductor armoured cable suriable for working voltage upto and including 1100 V grade, laid and led on existing overhead cable trays, or laid and ted over MS supports in masonry trenches with copper/al cable lugs, single compression brass cable glands, lapping, 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 a) 3.5 X 70 Sq.mm XLPE. Al. armoured Cable(AC VTPN & BUS BARS)/ Main Cable b) 3.5 X 50 Sq.mm XLPE. Al. armoured Cable(AC VTPN & BUS BARS)/ Main Cable c) 4X 25 Sq.mm XLPE. Al. armoured Cable (POWER/LIGHT/UPS) d) 4X 16 Sq.mm XLPE. Al. armoured Cable (POWER/LIGHT/UPS) 20 Mir 20 Mir 21 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 Mirs copper strips from Copper Plate to earth terminal including brazing/welding at plate etc. (i) (d) Supply and Fixing of the following in the earth station. (i) 75 Kg, Charcoal. (ii) 18 kg, Original Salt. (iii) Black Cotton soil of adequate armount. (i) 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 x 600 x 6.0 mm thick. (c) S/F fixing 60 mm x 6 mm, 3 mits G.I. strips from G.I.		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			
PVCXLPE 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 a) 3.5 X 70 Sq.mm XLPE. Al. armoured Cable(AC VTPN & BUS BARS)/Main Cable b) 3.5 X 50 Sq.mm XLPE. Al. armoured Cable(AC VTPN & BUS BARS)/Main Cable c) 4X 25 Sq.mm XLPE. Al. armoured Cable (POWER/LIGHT/UPS) 40 Mtr 4X 16 Sq.mm XLPE.Al.armoured Cable (LIGHT/UPS) 40 Mtr 12 EARTHING COPPER PLATE EARTH STATION: Preparation of the Plate Earth Station:(As per IS:3043) (a) Excavation of thard 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 earth terminal including brazing/welding at plate etc. (i) (d) Supply and laying in position 19 mm, 2 Mtrs G.I "B" Class pipe for watering with reducer/flunnel 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.	(ii)	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 x 600 x 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. (d) Supplying and laying in position 19 mm, 2 mtrs G.I. `B' class pipe for watering.with reducer/funnel with mesh.			
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 a) 3.5 X 70 Sq.mm XLPE. Al. armoured Cable(AC VTPN & BUS BARS)/Main Cable b) 3.5 X 50 Sq.mm XLPE. Al. armoured Cable(AC VTPN & BUS BARS)/Main cable c) 4X 25 Sq.mm XLPE.Al.armoured Cable (POWER/LIGHT/UPS) d) 4X 16 Sq.mm XLPE.Al.armoured Cable (LIGHT/UPS) 40 Mtr 12 EARTHING	(i)	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 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		Nos	
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 a) 3.5 X 70 Sq.mm XLPE. Al. armoured Cable(AC VTPN & BUS BARS)/ Main Cable b) 3.5 X 50 Sq.mm XLPE. Al. armoured Cable(AC VTPN & BUS BARS)/Main cable 4X 25 Sq.mm XLPE.Al.armoured Cable (POWER/LIGHT/UPS) 40 Mtr	- /	EARTHING	40	Mtr	
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 a) 3.5 X 70 Sq.mm XLPE. Al. armoured Cable(AC VTPN & BUS BARS)/Main Cable b) 3.5 X 50 Sq.mm XLPE. Al. armoured Cable(AC VTPN & BUS BARS)/Main cable					
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 3.5 X 70 Sq.mm XLPE. Al. armoured Cable(AC VTPN & BUS BARS)/ Main	b)		30	Mtr	
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)	a)	· · · · · · · · · · · · · · · · · · ·		Mtr	
properting, announting, storage, laying, testing and continuouthing of the first first from the first first first from the first fir		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)			

	, 	ı		,
(i)	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 tele-phone 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 & 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	4	Nos	
	Supplying and fixing of krone telephone tag block on surface/ recess			
(ii)	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	
	Supply, installation, testing and commissioning of the following size jelly		. 100	
(iii)	filled armoured tehephone cable. 20 pair	40	Mtr	
14	DATA CABLING FOR LAN			
а	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 Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack		Nos	
b	panel with connector, out lets and necessary connectivity complete as required & (D-Link make)	1	Nos	
С	Providing and fixing Patch Panels 16 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as			
	required & (D-Link make)	1	Nos	
d	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		Nos	
е	Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complte with connector on both side.)			
i)	for 1 Mt. long	6	Nos.	
ii)	for 2 Mt. long	6	Nos	
f	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.		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		Nos	

17 Electrical work ower/ UPS/ Light/ Data/ Telephone/ AC etc.) as advised by the Beanks Authority. Description of light fran fixture LED LUMINARES: 22 (FIJLL ALOW TYPE) LED light fittings (600 X600mm) dimension suitable for grid/gypsum ceiling complete with its electrionic driver as required per instruction of Banks Model No are as substitution of the second of		6			
Description of light /fan fixture	17	, , ,	4		
LED LUMINARES: 2 x2 (FULL GLOW TYPE) LED light fittings (600 X000mm) dimension suitable for gridgypsym ceiling complete with its electrionic driver as required per instruction of Bank's Model No are as under: PHILIPS: RC380B G2 LED 3SS-6500 PSU OD WH LED (FULLGLOW)		·	1	sum	
K600mm) dimension suitable for grid'gypsum ceiling complete with its electrionic driver as required per instruction of Bank's Model No are as under:	-				
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-XX-50-XX HAVELLS:- LHEBJNP ZPZ 1W 015(ENDURA LOW DEPTH) CG*- LC DD-145-CDL LED DOWNLIGHTER:SURFACE MOUNTED FOR FRONT SIDE(EXTERNAL) 15 Watt, surface mounted circular/square down lighter, 6" dimension with complete its electronic driver are as under:- PHILIPS, WIPRO, HAVELLS, CG LED Spot Light, 3 Watt, 2/3" (Inches) size as per site requirment. PHILIPS, WIPRO, HAVELLS, CG LED COVE/STRIP LIGHT WITH ITS ELECTRONIC DRIVER(BLUE COLOWIP: 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, 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 BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt make: PHILIPS/WIPRO/HAVELLS/CG 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 CEILING FAN: Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star read, ceiling fam with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMMWW) minimum 6.85, kir delivery minimum 215 CMM, 350 RPM (tolerance as per IS: 374-2019), ThD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc.	18	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)			
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-XX-50-XX HAVELLS:- LHEBJNP ZPZ 1W 015(ENDURA LOW DEPTH) CG*- LC DD-145-CDL LED DOWNLIGHTER:SURFACE MOUNTED FOR FRONT SIDE(EXTERNAL) 15 Watt, surface mounted circular/square down lighter, 6" dimension with complete its electronic driver are as under:- PHILIPS, WIPRO, HAVELLS, CG LED Spot Light, 3 Watt, 2/3" (Inches) size as per site requirment. PHILIPS, WIPRO, HAVELLS, CG LED COVE/STRIP LIGHT WITH ITS ELECTRONIC DRIVER(BLUE COLOWIP: 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, 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 BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt make: PHILIPS/WIPRO/HAVELLS/CG 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 CEILING FAN: Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star read, ceiling fam with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMMWW) minimum 6.85, kir delivery minimum 215 CMM, 350 RPM (tolerance as per IS: 374-2019), ThD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc.			15	Nos	
LED DOWNLIGHTER:SURFACE MOUNTED FOR FRONT SIDE(EXTERNAL) 10 15 Watt, surface mounted circular/square down lighter , 6" dimension with complete its electronic driver are as under:- PHILIPS, WIPRO, HAVELLS, CG 21 LED Spot Light, 3 Watt, 2/3"(Inches) size as per site requirment. PHILIPS, WIPRO, HAVELLS, CG 3 Nos 4 Nos 22 LED COVE/STRIP LIGHT WITH ITS ELECTRONIC DRIVER(BLUE COLOUR):- Supply, installation, testing and commissioning of bright LED 22 strip light with its electronic driver complete as required. PHILIPS, WIPRO, HAVELLS, CG 48 Mtr 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 BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt make: PHILIPS/WIPRO/HAVELLS/CG 15 Nos External Street LED Light- Providing & Fixing of 30 watt LED light fixture, pressure die cast aluminium housing, heat resistant glass, IP 65 protection 2 Nos 8 better optics for uniform distribution. PHILIPS, WIPRO, HAVELLS, CG CEILING FAN: Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMMW) minimum 6.85, Air delivery minimum 215 26 CMM, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required. Each, White Make:CG/USHA/ ORIENT/HAVELLS 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, tota	19	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)			
SIDE(EXTERNAL) 15 Watt, surface mounted circular/square down lighter , 6" dimension with complete its electronic driver are as under:- PHILIPS, WIPRO, HAVELLS, CG 21 LED Spot Light, 3 Watt, 2/3"(Inches) size as per site requirment. PHILIPS, WIPRO, HAVELLS, CG 22 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 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 BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt make: PHILIPS/WIPRO/HAVELLS/CG 24 External Street LED Light- Providing & Fixing of 30 watt LED light fixture, pressure die cast aluminium housing, heat resistant glass, IP 65 protection 2 Nos & better optics for uniform distribution. PHILIPS, WIPRO, HAVELLS, CG 25 CEILING FAN: Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMMW) minimum 6.85, Air delivery minimum 215 26 CMM, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety jin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required. Each, White Make:CG/USHA/ ORIENT/HAVELLS 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 balance		LED DOWNLIGHTER:SURFACE MOUNTED FOR FRONT		1103	
LED Spot Light, 3 Watt, 2/3"(Inches) size as per site requirment. PHILIPS, WIPRO, HAVELLS, CG 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 PRILIPS, WIPRO, HAVELLS, CG 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 BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt make: PHILIPS/WIPRO/HAVELLS/CG 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 CEILING FAN: Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMMW) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS: 374-2019), ThD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required. Each, White Make:CG/USHA/ ORIENT/HAVELLS EXHAUST FAN: Single phase, 300mm sweep, 900 rpm, metallic exhaust fan of the following single phase chaust 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	20	15 Watt, surface mounted circular/square down lighter, 6" dimension with complete its electronic driver are as under:-	4	Nos	
PHILLIPS, WIPRO, HAVELLS, CG	21				
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, 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 BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt make: PHILIPS/WIPRO/HAVELLS/CG 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 CEILING FAN: Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMMW) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS: 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required. Each, White Make:CG/USHA/ ORIENT/HAVELLS 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	-		3	NOS	
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 BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt make: PHILIPS/WIPRO/HAVELLS/CG 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 CEILING FAN: Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMMW) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS: 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required. Each, White Make:CG/USHA/ ORIENT/HAVELLS 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	22	COLOUR):- Supply, installation, testing and commissioning of bright LED strip light with its electronic driver complete as required.	48	Mtr	
BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt make: PHILIPS/WIPRO/HAVELLS/CG External Street LED Light- Providing & Fixing of 30 watt LED light fixture, pressure die cast aluminium housing, heat resistant glass, IP 65 protection 2 Nos & better optics for uniform distribution. PHILIPS, WIPRO, HAVELLS, CG CEILING FAN: Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS: 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required. Each, White Make:CG/USHA/ ORIENT/HAVELLS 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	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			
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 CEILING FAN: Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS: 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required. Each, White Make:CG/USHA/ ORIENT/HAVELLS 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	24	BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt	1		
pressure die cast aluminium housing, heat resistant glass, IP 65 protection & better optics for uniform distribution. PHILIPS, WIPRO, HAVELLS, CG CEILING FAN: Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMMW) minimum 6.85, Air delivery minimum 215 26 CMM, 350 RPM (tolerance as per IS: 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required. Each, White Make:CG/USHA/ ORIENT/HAVELLS 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		Future of Chrost FD inht Droviding 0 Fiving of 20 wett FD light first and	15	Nos	
& better optics for uniform distribution. PHILIPS, WIPRO, HAVELLS, CG CEILING FAN: Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMMW) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS: 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required. Each, White Make:CG/USHA/ ORIENT/HAVELLS 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	25		2	Nos	
CEILING FAN: Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS: 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required. Each, White Make:CG/USHA/ ORIENT/HAVELLS 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			_	1103	
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	26	CEILING FAN: Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS: 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required. Each, White Make:CG/USHA/ ORIENT/HAVELLS	12	Nos	
ORIENT/HAVELLS/ALMONARD/ALSTOM 5 Nos	27	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/	5	Nos	

	7			
	WALL FAN:-(Only Metallic Body)			
	Oscillating wall fan with regulator i/c coonections etc complete as required as per approved make, Sweep 400/450 mm, RPM 1300 make are as			
28	under:			
	CG/USHA/ ORIENT/HAVELLS	_		
_	Cub Total - Dark A / Floridad Monta	2	Nos	
A	Sub Total : Part A (Electrical Works)			
В	Part B: Air Conditioning Works: 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.			
1	Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, 5 STAR INVERTER RATING OF BEE AIR		Nos	
	CONDITIONERS 1.5 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			
2	Supplying and drawing of control cum transmission cable of size 4 core X		R Mtr.	
	2.5 sqmm PVC insulated copper conductor cable in the suitable PVC			
	conduit for connections from I/D Unit to O/D unit complete as reqd.			
3	Supply and installation of soft & prime quality of min. 22 G Copper pipe for "	80	R Mtr.	
	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:-			
	Superion/Aflex/Armacell/Kflex Make of cable:Finolex/RR			
4	Drain Pipe (If Required additional) Applicale to both ACs (Cassette & Split AC). Supply and laying of heavy gauge PVC drain piping of 40mm with		R Mtr.	
	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			
5	Providing & fixing of 4 KVA Voltage stabilizer with time delay option		Nos	
	including all accessories with installation at site (For 1Tr /1.5Tr Split AC & 1.5 Tr Cassette AC) Make: Microtek, V-Gards (Voltage Range 150- 280			
	Volts)			
6	Deinstallation and Refixing of Existing split AC after necessary cleaning with		Nos	
	gas toping as required in the new location as per site condition inclusive all necessary civil mechinory, ply & electrical work.			
В	Sub Total : Part B (Air Conditioning Works)			
	Sub Total : Part A (Electrical Works)			
	Sub Total : Part B (Air Conditioning Works)			
	Sub Total : A+B			
	TOTAL (Excluding GST)			
	Note:- The rates quoted includes all other taxes, duties, loading,			

GST will be paid additionally as applicable				
	Seal & Signature of Contractor			actor