	TENDER FOR ELECTRICAL & A.C. WORKS AT NEW PREI	MISES OF C	GMC, BHOP	AL	
S.No		Qty	Unit	Rate	Amount
1	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. <b>One light</b>				
i	point controlled by one switch.	40	Nos.		
ii	Providing and fixing of point wiring with same above specifications. <b>Two light points</b> to be controlled by one switch.	11	Nos		
iii	Providing and fixing of point wiring with same above specifications.  Three light points to be controlled by one switch.	2	Nos		
iv	Call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	1	Nos		
v	Providing and fixing of <b>Wall &amp; Exhaust</b> fan point controlled as under (i) one 6 amp switch (ii) one no stepped electronic regulator of two module type.	6	Nos.		
vi	Providing and fixing of <b>Ceiling fan</b> point controlled as under (i) one 6 amp switch (ii) one no stepped electronic regulator of two module type.	-			
vii	Providing and fixing <b>6 Amps Plug Points</b> with same specs as above and		Nos.		
viii	install along with same light switchboard  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 Nos		
ix	Same as serial no.1, but wiring for <b>16 Amp, 6-pin sockets</b> 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 <sup>st</sup> socket and 1 <sup>st</sup> to 2 <sup>nd</sup> , 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.  SPECIAL POINTS: (For Computers). Supply, fixing, testing and	15	Nos		
2	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		Nos		

3	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)	5	Nos	
4	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 (	3	Nos	
<b>5</b>	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  3 X 2.5 sqmm (For UPS Circuit/6 amp Separate Board) in suitable size	15	Nos	
b	of 16 SWG (MMS) steel conduit as per IS code.  3 X 4.0 sqmm ( For AC/Power Circuit ) in suitable size of 16 SWG (MMS) steel conduit as per IS code.	15 8	Nos Nos	
	isteer conduit as per 13 code.		1403	
6	Designing, fabrication, supply, installation, testing and commissionings of front operated cubicle type compartmentalised, front access, free standing on 75MM "[" MS channel, dust and vermin proof (IP 42 degree protection) panel suitable for use at 415V, 3 phase, 4-wire 50Hz system suitable for fault level of required value symmetrical at 415V fabricated from 2mm thick CRCA MS sheets with hinged, gaskettted (Metal based neoprene) locable doors having structural reinforcement including 3mm thick gland plates on top and bottom, lifting hooks, GI earth strip of required size with 2 nos earth terminals, 2 nos 230V AC operated 250mm X 250mm size axial fans for exhaust of heat with On-Off toggle switches including 2 coated primer and 2 power coated paint fnish of approved shade over metal surface cleaned and treated with seven tank process complete with interconnections etc as per specifications as required.main panel board of approved make (KRYPTON POWER NTROLS/NEPTUNE/TRICOLITE/AMPTECH Or should be CPRI Approved, Type of Approval as instructed by the SBI/Architect)as per the following specifications, should be CPRI Approved.  All live accessible parts shall be shrouded and all equipment shall be finger touch proof. The busbars insulation shall be withheat shrinkable sleeves SMC/ DMC shrouds and busbar supports shall be used. Padlocking facility shall be provided on all outgoing feeders doors and switch handles shall be locable in OFF position. Suitable arrangement shall be made for termination of multiple incoming cables. All kA values indicated shall be Ics breaking capacity GA drawings shall be got			
a	Fabrication, supply, installation, testing and commissionings of cubicle type floor/wall mounted L.T. panel made out of 2 mm thick CRCA sheet including connection,inter-connection alongwith 4 strip aluminium busbar as per CPWD specifications,(Part IV-Sub-station) etc. as required (Meter Roard )  Incoming:  i) 1no. 125 Amp 4P MCCB (25 KA) thermal over current, instantaneous, Short circuit realease,Earth fault.  ii) Busbar:-160 Amps 4P aluminum conductor bus bar (BPTM type			
	Heat-shrinkable busbar insulation) supported by DMC / FRP insulators.  Space shall be provide for the BSES Meter			
	Meter board shall be lockable.			
b.	Complete panel described as above.  Floor panel shall consists of : -			
L".	INCOMER			
	Ino. 125 Amp 4P On Load Change over switch with 1 No. 125 Amps,TPN MCCB (25 KA) with extendeble rotary handle each thermal over current, instantaneous, Short circuit realease,Earth fault.			
	BUSBARS			

				1
	160 amps TPN pole busbar chamber of suitable length with copper			
	busbars. All busbars and interconnections shall be of suitable size copper			
	strips.			
	INDICATING PANEL			
	Digital flush type class-1.0 accuracy multifunction meter showing V, A,			
	PF etc. with 3 Nos. current transformers of 100/5A ratio, 10 VA Class-1.0			
	metering 1 sets			
	Red/Green/Amber ON/OFF/TRIP indicating lamps with 2A SP MCB backup			
	protection.			
	1 set of three phase indicating lamps along with 2A SP MCB backup			
	protection.			
	Restricted Earth fault relay with 3 Nos. current transformers of 160/5			
	ratio, 15 VA Class 5P 10 (Numeric Relay not required.)			
	Undervoltage, Overvoltage & phase reversal relay for persisted voltage of			
	105-180% & 20-95% of rated voltage. (Numeric Relay not required.)			
	105-100 % & 20-35 % of faced voltage. (Numeric Kelay hot required.)			
	OUTGOINGS:-			
	2 Nos 63A TPN MCCB (16 kA) terminals suitable to receive cable on one			
	` ,			
	side and wire connection to Bus bars. For capacitor Bank AND AC VTPN,			
	2 Nos 63A TPN MCB (10 kA) terminals suitable to receive cable on one			
	side and wire connection to Bus bars. (For PDB,UPS)			
	1 Nos 40A TPN MCB (10 kA) terminals suitable to receive cable on one			
	side and wire connection to Bus bars. (For LDB )			
	2 Nos 40A DP MCB (10 kA) terminals suitable to receive cable on one			
	side and wire connection to Bus bars.			
	The electrical panel as described above and specifications			
	complete.	1	Set	
a.	6-way TPN DB (LIGHT DB)	1	Set	
<u> </u>	Incomer:-	_		
	1 No. 32 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase			
	1 No. 32 Amp Triv (10 lov) Fleb with 10 A br Reeb (100 Fin) each phase			
	Outgoing:-			
	10-12 Nos.6/10/25 Amp (10 KA) SP MCB			
b.	4-way TPN DB ( POWER DB)	1	Set	
D.			361	
	Incomer:-			
	1 No. 63 Amp TPN (10 KA) MCB			
	Outgoing:-			
	10 Nos.16 Amp (10 KA) SP MCB	1	C-1	
c.	8-way V-TPN DB (AC )	1	Set	
c.	8-way V-TPN DB (AC ) Incomer:-	1	Set	
C.	8-way V-TPN DB (AC ) Incomer:- 1 No. 80 Amp 4 Pole (16 KA) MCCB	1	Set	
C.	8-way V-TPN DB (AC ) Incomer:- 1 No. 80 Amp 4 Pole (16 KA) MCCB Outgoing:-	1	Set	
C.	8-way V-TPN DB (AC ) Incomer:- 1 No. 80 Amp 4 Pole (16 KA) MCCB Outgoing:- 4No. 40 Amp (16 KA) TP MCB	1	Set	
	8-way V-TPN DB (AC ) 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			
c. d.	8-way V-TPN DB (AC ) 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 4-way TPN DB UPS ROOM	1	Set	
	8-way V-TPN DB (AC ) 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 4-way TPN DB UPS ROOM Incomer:-			
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d. e.	8-way V-TPN DB (AC ) 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 4-way TPN DB UPS ROOM 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) Incomer:- 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 Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box CABLES	1	Set	
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d. e.	8-way V-TPN DB (AC ) 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 4-way TPN DB UPS ROOM 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) Incomer:- 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 Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box 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	1	Set	
d. e.	8-way V-TPN DB (AC ) 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 4-way TPN DB UPS ROOM 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) Incomer:- 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 Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box 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	1	Set	
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d. e.	8-way V-TPN DB (AC ) 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  4-way TPN DB UPS ROOM  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) Incomer:- 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  Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box  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	1	Set	
d. e.	8-way V-TPN DB (AC ) 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 4-way TPN DB UPS ROOM 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) Incomer:- 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 Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box  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	1	Set	
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d. e.	8-way V-TPN DB (AC ) 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 4-way TPN DB UPS ROOM 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) Incomer:- 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 Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box  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)	1	Set	

Supplying, laying, testing & commissioning of 4 C x 10 s.g.mm. at 1100 volts grade PVC insulated scopper conductor amound called with 10 gauge earth copper wire including cables end termination using appropriate Lups, Glands, termination accessories, Clamps etc. as required as per specification from Main board to UPS Room.  Supplying, laying, laying, testing & commissioning of 4 C x 25 s.g.mm. at 1100 volts grade PVC insulated aluminum conductor armound cable with 10 gauge earth copper wire including cables end termination using appropriate Lups, Glands, termination accessories, Clamps etc. as required as per specification (Power DB, AC DB).  Supplying, laying, testing & commissioning of 4 C x 15 s.g.mm. at 1100 volts grade PVC insulated aluminum conductor armound cable with 10 gauge earth copper wire including cables end termination using appropriate Lups, Glands, termination accessories, Clamps etc. as required as per specification (Light DB).  Supplying, laying, festing & commissioning of 4 C x 50 s.g.mm. at 1100 volts grade PVC insulated aluminum conductor armound cable with 10 gauge earth copper wire including cables end termination using appropriate Lups, Glands, termination accessories, Clamps etc. as required as per specification (Light DB).  Control Cable - Supply & laying, testing & commissioning of 10 flowing appropriate Lups, Glands, termination accessories, Clamps etc. as required & ps. specification (Light DB).  Control Cable - Supply & laying, testing & commissioning of following appropriate Lups, Glands, termination accessories, Clamps etc. as required & ps. specification (Light DB).  Control Cable - Supply & laying, testing & commissioning of following appropriate Lups, Glands (Light DB).  Separation of the Plate Earth Station (Light DB) and Light DB (Light DB) and Light DB (Light DB).  Separation of the Plate Earth Station (Light DB) and Light DB (Light DB) and Light DB (Light DB) and Light DB (Light DB).  Separation of the Plate Earth Station (Light DB) and Light DB (Light DB) and Light DB (L					
voits grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables and termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification (Power DR, AC DR).  Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated aluminum conductor armoured cable with 10 voits grade PVC insulated alum	iii	volts grade PVC insulated <u>copper</u> <u>conductor</u> armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as	35	Mtr	
Supplying, laving, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor amounted cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification ( <i>Light DB</i> ).  Supplying, laving, testing & commissioning of 4 C X 50 sq.mm. at 1100 volts grade PVC insulated aluminum conductor amouned cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification ( <i>Mains</i> ).  Control Cable - Supply & laying, testing & commissioning of following sizes of copper conductor control cables on existing tray icluding fixing clamps & proper conductor control cables on existing tray icluding fixing clamps & proper connections to equipment etc complete as required.  4Cx2.5 sqmm  4Cx2.5 sqmm  4Cx2.5 sqmm  50 Mtr  4Cx2.6 sqmm  8 COPPER ILATE 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 Mrs copper strips from Copper Plate to earth terminal including brazing/welding at plate etc.  (d) 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, 5% of C.I. Claver of size 12* X 12* complete as per 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 of adequate amount.  (f) Construction of earth pit chamber including necessary brick work concrete, plastering, 5% of C.I	iv	volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as	30	Mtr	
volts grade PVC (insulated aluminum conductor amoured cable with 10 is gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification (Mains).  Control Cable - Supply & laying, testing & commissioning of following sizes of copper conductor contorl cables on existing tray icluding fixing clamps & proper connections to equipment etc complete as required.  4Cx2.5 sgmm	٧	volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as			
sizes of copper conductor contorl cables on existing tray icluding fixing clamps & proper connections to equipment etc complete as required.  4.Cx2.5 sgmm	vi	volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as	30	Mtr	
8 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 earth terminal including brazing/welding at plate etc. (d) Supply and laying in position 19 mm, 2 Mtrs G.1 "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.1 Cover of size 12" X 12" complete as per 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 C.1 plate of size 600 x 600 x 6.0 mm thick. (c) S/F fixing 50 mm x 6 mm, 3 mtrs G.1, strips from G.1.plate to earth terminal including brazing / welding at plate etc. (d) Supplying and laying in position 19 mm, 2 mtrs G.1. "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.1. Cover of size 12" x 12" complete as per site req.and marking its value & identification etc.  9 Providing and fixing of Copper / GI strips in surface or in recess for loop earthing etc. as required.  1 25 mm x 5 mm Gl strip  1 25 mm x 3 mm copper strip with proper clamps 1 0 Mtr  2 1 2 mr x 5 mm GI strip  2 1 2 mr x 5 mm GI strip  3 0 Mtr	vii	sizes of copper conductor contorl cables on existing tray icluding fixing			
8 EARTHNG 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 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 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. (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.  9 Providing and fixing of Copper / GI strips in surface or in recess for loop earthing etc. as required.  1 25 mm x 3 mm copper strip with proper clamps 10 Mtr 11 Providing and fixing 2 X 8 SWG dia. Cu earth wire in PVC conduit on surface or in recess for loop earthing etc.		4Cx2.5 samm	50	Mtr	
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 200 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 Mrs copper strips from Copper Plate to earth terminal including brazing/welding at plate etc. (d) Supply and laying in position 19 mm, 2 Mrs 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  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 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. (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  9 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  ii) 25 mm x 3 mm copper strip with proper clamps  iii) 25 mm x 5 mm GI strip  iiii Providing and fixing 2 X 8 SWG dia. Cu earth wir			90	Mtr	
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  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 50 mm x 6 mm, 3 mtrs G.I, strips from G.I.plate to earth terminal including prazing / 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.  (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  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  iii 25 mm x 3 mm copper strip with proper clamps  20 Mtr  iiii 25 mm x 5 mm GI strip  iiii 25 mm x 5 mm GI strip  iiii 25 mm x 5 mm GI strip	8	EARTHING			
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.  (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.  9 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  ii 25 mm x 5 mm GI strip  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.  30 Mtr	а	<ul> <li>(a) Excavation of hard rocky earth, soft murrum, hard murrum etc and back filling with black cotton soil for the earth station, the earth pit size is 1000 mm X 1000 mm X 2500 mm.</li> <li>(b) Supply and fixing of Copper Plate of Size 600 mm X 600 mm X 3.0 mm thick.</li> <li>(c) Fixing of 50 mm X 6 mm, 3 Mtrs copper strips from Copper Plate to earth terminal including brazing/welding at plate etc.</li> <li>(d) Supply and laying in position 19 mm, 2 Mtrs G.I "B" Class pipe for watering with reducer/funnel with mesh.</li> <li>(e) Supply and Fixing of the following in the earth station.</li> <li>(i) 75 Kg. Charcoal.</li> <li>(ii) 15 Kg. Original Salt.</li> <li>(iii) Black Cotton soil of adequate amount.</li> <li>(f) Construction of earth pit chamber including necessary brick work concrete, plastering, S/F of C.I Cover of size 12" X 12" complete as per</li> </ul>	2	Nos	
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  ii 25 mm x 5 mm GI strip  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.  30 Mtr	b	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. (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	2	Noc	
earthing etc. as required.  i 25 mm x 3 mm copper strip with proper clamps  ii 25 mm x 5 mm GI strip  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.  10 Mtr  20 Mtr  30 Mtr		Providing and fixing of Copper / GI strips in surface or in recess for loop		1103	
ii 25 mm x 5 mm GI strip  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.  20 Mtr  30 Mtr	9	earthing etc. as required.			
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.  30 Mtr					
surface or in recess for loop earthing along with the existing surface/ recess cable as required.  30 Mtr			20	Mtr	
10   TELEPHONE POINT		surface or in recess for loop earthing along with the existing surface/ recess cable as required.	30	Mtr	
	10	TELEPHONE POINT			

(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 telephone cable upto ${\bf 35}$ ${\bf meter\ length}$ or less as per site condition with shutter modular type Telephone Outlets ( RJ $-$ 11 ) wth suitable size MS / PVC modular boxes and it laying, fixing, testing and commissioning in suitable size 20/25 mm dia,16 SWG (Medium Gauge) thickness rigid PVC conduit with conduit accessories like bend/junction box / cover plate/ sheet steel/PVC box on surface/ concealed manner i/c electrical connections and making goods all the damages, replastering, painting, cleaning the site etc complete as required as per site condition. The floor/roof/wall junction box shuold be of MS(heavy duty) box of suitable size and covered with Steel finish Steel cover sheet by screw tight and gasket to avoid water/dust insertion. Make of Material:- Delton/Finolex/RR cable	8	Nos	
(ii)	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 phosphor bronze connectors, the connectors shall splice unskinned cables up to 0.61 mm dia and shall be terminate both incoming and out going lines, the tag blocks shall be mounted inside, water proof box and locking arrangement and shall be fully accessible. (A) 20 Pair tag block	1	Nos	
11	DATA CABLING FOR LAN	1	INOS	
а	Providing, fixing, testing and commissioning of all nodes of four pair UTP CAT 6 LAN cables length upto <b>30 meter length</b> 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	15	Nos	
b	Providing and fixing Patch Panels 30 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make)	1	Nos	
С	Providing, assembling, fixing, testing and commissioning Floor/Wall mounted RACKS for gig switches, patch panels etc including cooling			
	DUAL fan trays, a 10 Point PDU, Fixed Trays as necessarycomplete. 9 U	1	Nos	
d	Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6			
i)	complte with connector on both side.) for 1 Mt. long	15	Nos.	
ii)	for 2 Mt. long	15	Nos	
е	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.	60	Mtr	
11	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		Nos	
12	Supply and installation of Vinyl sticker for on Electrical DBs like, " Switch Off at Night", Switch Off For Safety, etc	10	Nos	
13	Making & Providing of 3 sets of Asbuilt Drawing with coloured print for entier Electrical work (Power/UPS/Light/Data/ Telephone/AC etc.) as advised by the Bank's Authority.		Lum sum	
14	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:-  PHILIPS:- RC380B G2 LED 35S-6500 PSU OD WH LED (FULLGLOW)  WIPRO:- CRC010RO 38 HP57  HAVELLS:- LHECDIL7IL1W036 (Edge- Lit)  CG:- LCTAR3-40-CDL	30	Nos	

	LED DOWNLIGHTER:			
	15 Watt, recessed mounted circular down lighter , 6" dimension with			
	complete its electronic driver are as under:-			
15	i i			
1 13	PHILIPS:- GREENLED-DN193B LED-12S-6500 PSU			
	WIPRO:- IRIS LED LD 71-121-XXX-50-XX			
	HAVELLS:- LHEBJNP ZPZ 1W 015(ENDURA LOW DEPTH)			
	CG:- LC DD-15-CDI	25	Nos	
	LED Spot Light, 3 Watt, 2/3"(Inches) size as per site requirment.			
16	PHILIPS, WIPRO, HAVELLS, CG	6	Nos	
		•	1103	
	LED COVE / STRIP LIGHT WITH ITS ELECTRONIC DRIVER( BLUE			
	<b>COLOUR</b> ):- Supply, installation, testing and commissioning of bright			
17	LED strip light with its electronic driver complete as required.			
	PHILIPS, WIPRO, HAVELLS, CG			
	1.1.1.2.1.6, 1.1.1.6, 1.1.1.2.2.2.6, 33	115	Mtr	
	Providing & fixing of "Digital Clock" /Digital Panel indicating			
18	Time, Day, Date, Temperature at outside of big size,(Ajanta - OLC-			
	<b>1070)</b> as suitable over the facade as advised by the Bank with standard			
	nower back up. Make:- Ajanta, Titan	1	Nos	
ا مما	BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt -			
19	PHILIPS/WIPRO/HAVELLS/CG	7	Nos	
	CEILING FAN:	-		İ
I				
I	Single phase heavy duty grease filled double ball bearing,			
20	aerodynamically designed heavy gauge aluminium blades, copper			
l <sup>_</sup>	wounded and impregnated silicon stamping motors etc			
I	1200 mm sweep, brilliant white			
I	CC/USHA/ ODJENT/HAVELLS	12	Nos	
	WALL FAN:-( Only Metallic Body)			
I	Oscillating wall fan with regulator i/c coonections etc complete as			
24				
21	required as per approved make, Sweep 400/450 mm , RPM 1300 make			
I	are as under:			
<u> </u>	CG/USHA/ ORIENT/HAVELLS	2	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			
22	ball bearing, copper wounded, A & E class insulation, dynamically			
	balanced, below 40 db sound level etc, front cover with grill/gravity			
1				
	louver for protection purpose with 12 mm plywood complete in all			
	respect make as under: CG/USHA/	4	Nos	
	respect make as under: CG/USHA/	4	Nos	
(B)	respect make as under: CG/USHA/  ODIENT/HAVELLC/ALMONAPD/ALCTOM  (A) TOTAL ELECTRICAL	4	Nos	
(B)	respect make as under: CG/USHA/  ORIENT/HAVELL CALMONARD (ALCTOM  (A) TOTAL ELECTRICAL  AIR CONDITIONING	4	Nos	
(B)	respect make as under: CG/USHA/  (A) TOTAL ELECTRICAL  AIR CONDITIONING  Supply, installation, testing and commissioning of following AIR	4	Nos	
(B)	respect make as under: CG/USHA/  ORIENT/HAVELL CALMONARD (ALCTOM  (A) TOTAL ELECTRICAL  AIR CONDITIONING	4	Nos	
(B)	respect make as under: CG/USHA/  (A) TOTAL ELECTRICAL  AIR CONDITIONING  Supply, installation, testing and commissioning of following AIR  CONDIRIONERS as under. The Rate shall be inclusive of all taxes	4	Nos	
(B)	respect make as under: CG/USHA/ ONLENT/HAVELLE/ALMONARD/ALSTOM  (A) TOTAL ELECTRICAL  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	4	Nos	
(B)	respect make as under: CG/USHA/ ORIENT/HAVELLE/ALMONARD/ALSTOM  (A) TOTAL ELECTRICAL  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 &	4	Nos	
(B)	respect make as under: CG/USHA/  (A) TOTAL ELECTRICAL  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	4	Nos	
(B)	respect make as under: CG/USHA/ ORIENT/HAVELLE/ALMONARD/ALSTOM  (A) TOTAL ELECTRICAL  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 &	4	Nos	
(B)	respect make as under: CG/USHA/  (A) TOTAL ELECTRICAL  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	4	Nos	
(B)	respect make as under: CG/USHA/  ONTENT/UA/ELLC/ALMONADD/ALCTOM  (A) TOTAL ELECTRICAL  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.	4	Nos	
	respect make as under: CG/USHA/ ORIENT/UA/ELLC/ALMONADD/ALCTOM  (A) TOTAL ELECTRICAL  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.  Supply, installation, testing and commissioning of Higher Efficient	4	Nos	
	respect make as under: CG/USHA/ ORIENT/UA/ELLC/ALMONADD/ALCTOM  (A) TOTAL ELECTRICAL  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.  Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR	4	Nos	
	respect make as under: CG/USHA/ ONTOTAL ELECTRICAL  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.  Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR CONDITIONERS 1.5 Ton Machines confirming to latest Indian	4	Nos	
	respect make as under: CG/USHA/ ORIENT/UA/ELLC/ALMONADD/ALCTOM  (A) TOTAL ELECTRICAL  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.  Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR	4	Nos	
	respect make as under: CG/USHA/ ONTOTAL ELECTRICAL  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.  Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR CONDITIONERS 1.5 Ton Machines confirming to latest Indian	4	Nos	
	respect make as under: CG/USHA/  ONTOTAL ELECTRICAL  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.  Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR 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	4	Nos	
	respect make as under: CG/USHA/  (A) TOTAL ELECTRICAL  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.  Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR 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,	4	Nos	
	respect make as under: CG/USHA/ ONTENT/UNITED AND AND AND AND AND AND AND AND AND AN	4	Nos	
	respect make as under: CG/USHA/ ONTENT/UNITED AND AND AND AND AND AND AND AND AND AN	4	Nos	
	respect make as under: CG/USHA/ ONTENT/UNITED AND AND AND AND AND AND AND AND AND AN	4	Nos	
	respect make as under: CG/USHA/ ONTENT/UNITED AND AND AND AND AND AND AND AND AND AN	4	Nos	
	respect make as under: CG/USHA/  ONTENT/UNITELECAL MONARD ALCOM  (A) TOTAL ELECTRICAL  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.  Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR 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	4	Nos	
	respect make as under: CG/USHA/  (A) TOTAL ELECTRICAL  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.  Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR 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	4	Nos	
	respect make as under: CG/USHA/  (A) TOTAL ELECTRICAL  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.  Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR 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	4	Nos	
	respect make as under: CG/USHA/  (A) TOTAL ELECTRICAL  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.  Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR 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	4	Nos	
	respect make as under: CG/USHA/  (A) TOTAL ELECTRICAL  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.  Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR 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	4	Nos	
	respect make as under: CG/USHA/  (A) TOTAL ELECTRICAL  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.  Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR 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 12mm, cabling from indoor to	4	Nos	
	respect make as under: CG/USHA/  (A) TOTAL ELECTRICAL  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.  Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR 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 12mm, cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site	4	Nos	
	respect make as under: CG/USHA/  (A) TOTAL ELECTRICAL  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.  Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR  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 12mm, cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling	4	Nos	
	respect make as under: CG/USHA/  (A) TOTAL ELECTRICAL  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.  Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR  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 12mm, cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site requirement. The copper piping, drains piping and electrical cabling should be fixed with clamps and no loose piping/cabling is allowed. The	4	Nos	
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2	Supply, installation, testing and commissioning of Higher Efficient				
	models of <u>CASSETTE</u> <u>TYPE</u> <u>AIR</u> <u>CONDITIONERS</u> ( <u>Three</u> ) <u>3.0</u> <u>Ton</u>				
	Machines confirming to latest Indian Standards and suitable for operation				
	on 415 Volts + 10 %, three Phase, 50 Hz AC supply with Scroll				
	compressor, Refrigerant and capable to perform cooling, dehumidifying,				
	Air Circulating, auto mode, auto swing, anti bacteria filtering, ventilation				
	and with remote control with Cool/Fan/Dry/Auto mode, sleep mode &				
	on/off timer with suitable thermostat. The rate should include installation				
	charges after making appropriate changes in existing false ceiling. Heavy				
	ready made/fabricated M S Stand to house the out door unit as per site				
	conditions including carpentry work, minor civil work and cabling from				
	indoor to outdoor unit, heavy gauge PVC drain piping with insulation as				
	per site requirement. The copper piping, drains piping and electrical				
	cabling should be fixed with clamps and no loose piping/cabling is				
	allowed. The rates inclusive of all repairs of civil and carpentry work				
	The out door unit should be anti-rust powder coated. The cost includes				
	original fill and additional top up of refrigerant gas as per site condition.				
	The rate inclusive of all chisel work, plastering, finishing, painting & all				
1	civil related work pertaing to mentioned work.				
	Make of ACs:- Daikin/Hitachi/Voltas/Bluestar/Carrier only				
		3	Nos		
3	Supply and installation of soft & prime quality of min. 22 G Copper pipe				
	for " Split AC only" with class "o" Nitrile insulation of minimum 12mm for				
	split air conditioner including interconnection power/ communication				
1	cable between indoor and outdoor unit as per site requirement. ( If				
	required additionally, payment will made as per actual installtion. The				
1	rate inclusive of all chisel work, plastering, finishing, painting & all civil				
	related work pertaing to mentioned work. Make of Insulation:-				
	Superlon/Aflex/Armacell/Kflex Make of cable:- Finolex/RR/Havells				
		40	Mtr		
4	Supply and installation of hard & prime quality of min. 22 G Copper				
	pipe for "Cassette AC Only" with class "o" Nitrile insulation of minimum				
	12 mm for 3 / 4 ton cassette type air conditioner including				
	interconnection power/ communi cation cable between indoor and				
	outdoor unit as per site requirement.( If required additionally, payment				
	will made as per actual installtion.) The rate inclusive of all chisel work,				
	plastering, finishing, painting & all civil related work pertaing to				
	mentioned work. Make of Insulation:- Superlon/Aflex/Armacell/Kflex .	60	Mtr		
5	Drain Pine ( If Required additional) Applicate to both ACc(Cascette 9)		ויונר		
l °	<b><u>Drain Pipe</u></b> ( If Required additional) Applicate to both ACs(Cassette & Shit AC). Supply and laying of books gauge PVC drain pining of 40mm				
1	Split AC). Supply and laying of heavy gauge PVC drain piping of 40mm				
1	with insulation as per site requirement with its all accessories like bend,				
1	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	90	Mtr		
6	Providing & fixing of 4 KVA Voltage stabilizer with time delay option				
1	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-				
L_	280 Volts)	5	Nos		
	TOTAL:- (B) AIR CONDITIONING WORK				
	Sub Total : Part A (Electrical Works)				
	Sub Total : Part B (Air Conditioning Works)				
1					
L					
		Seal & Signature of Contractor			or
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