## BOQ OF ELECTRICAL WORKS IN NEW PREMISES AND ON SITE A.T.M. ROOM AT MOHKHED -RBO Chhindwara, M.P.

S.No.	Description of Item	Qty	Unit	Rate	Amount
	Part - A : Electrical Works :				
1	<b>ELECTRICAL WIRING</b> Providing, fixing, testing and commissioning of POINT WIRING of any length for light point/Wall fan point/Exhaust fan point/ Call bell point/ including call bell/ including fan box( if required), 'S' type fan hook etc with 3 X 1.5 Sq.mm(P/N/E) PVC 650V/1100V Grade <b>FRLS WIRE</b> insulated copper conductor single core multi strended wire in 16 SWG(Medium Gauge) stove enamelled rigid steel conduit 20mm/25mm with conduit accessories like bend, junction box etc in concealed/surface manner as per site requirment with suitable Modular Switches/Sockets with plate and Metal/PVC box,Scaddle, angle bracket (fi required), 3 plate ceiling rose/bulb holder etc. The floor/roof/wall junction box shuold be of MS(heavy duty) box of suitable size and covered with Steel finish Steel cover sheet by screw tight and gasket to avoid water/dust insertion. <b>The</b> <b>item includes Circuit wiring from DB to the switch board with 3x2.5</b> <b>Sq.MM</b> . The above wiring carried out surface or recess in wall/floor/roof should be cutting by cutter/chiesling, replastering, curing, painting with uniform and smooth finish by specilised workman ship and making the surface neat afterwards complete in all respect as per direction of Bank Engg. (EACH Circuit to take NOT MORE than 7-8 points) The conduit/ Flexible conduit/junction box/metal modular box etc must be joined by gland and check nut at both ends. (each circuit to be controlled by one MCB). The colour code of wire are as under: Phase- Red, Neutral- Black, Earth-Green <b>Make of Material for items of BOQ:-</b> (i) Modular Type Switch/socket/step electronic fan regulator, plate, box, TV/telephone, bulb holder/3 pin ceiling rose with all accessories:- Lergand/ Anchor(Roma)/MK/ Crabtree (ii) MS conduit/PVC conduit with all accessories:- BEC/AKG/NIC/Precision (iii) PVC insulated copper wire(FR) 650V/1100 V grade:- Finolex/RR cable/ Havells				
i	Providing and fixing of point wiring with above specifications. <b>One light point</b> controlled by one switch.	60	Nos.		
ii	Providing and fixing of point wiring with same above specifications. <b>Two light points</b> to be controlled by one switch.	15	Nos		
- 111	Providing and fixing of point wiring with same above specifications. <b>Three light points</b> to be controlled by one switch.	2	Nos		
iv	<b>Call bell point</b> 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>Ceiling fan</b> point controlled as under (i) one 6 amp switch (ii) one no stepped electronic regulator of two module type.	13	Nos.		
vi	Providing and fixing <b>6 Amps Plug Points</b> with same specs as above and install along with same light switchboard	8	Nos		
vii	<b>6 amp. Modular switch</b> as serial no <b>1 on seperate Board</b> 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		
xiii	Same as serial no.1, but wiring for <b>16</b> <i>Amp, 6-pin sockets</i> 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.		Nos		

SPECIAL POINTS : ( For Computers ), Supply, Intra lesting and commissioning of following Modular type setting and commendation of following Modular type setting and commendation is a period society of the setting and commendation is a period society of the setting and commendation is a period society of the setting and commendation is a period society of the setting of the setting and commendation is a period society of the setting of the setti		2			
commissioning of the surface / recess mounting A.C. / GEYSER power point with the followings : Mera Plug and Socket with complete Enclosur plate and box1 set to electrical connections and making good all the damages, painting, cleaning the strength and a directed by Bank Engineer. OR Wocklar (32A DP 1: way which with plate 8 box 1 set. + 25A & 10A Wm socket (Only one point is connected with plate 8 box 1 set. + 25A & 10A Wm socket (Only one point is connected with plate 8 box 1 set. + 25A & 10A Wm socket (Only one point is connected with one circuit as mentioned below)       5         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 Am PF P. MCB with complete Enclosur plate and box1 set to electrical connectons and making good all the damages, painting, Cleaning the site et complete as required as per site requirement and as directed. (Dny one point is connected with one circuit as mutable size of 16 SWG (MMS) siteel conduit ( For Cassette AC)       4       Nos         CIRCUIT WIRING :[FRLS WIRE] Supply, Installation, testing & commissioning of FRLS circuit wiring messured in numbers with suitable size of MS conduit 1.6 nm thick and 20m dia. The Wring in MS conduit is as per IS code. SWG (MMS) siteel conduit as per IS code. S	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		Nos	
AC Point (Three Phase). Supply, Installation, Testing and commissioning of the surface? incess mounting A.C. Cassette power point with the followings: Metal enclose Four way with one Nos 32 Amp FP MCB with complete Enclosur pitter and box. Test ic 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 Sgmm. Copper multistend FRLS wire in suitable size of 15 SWG (MMS) stell conduit ( For Cassettee AC)         4 Nos           CIRCUIT WIRING :(FRLS WIRE) Supply, installation, testing & commissioning of FRLS circuit wing measured in numbers with suitable size of MS conduit 1.6 rm thick and 25m dia. The wing in MS conduit is as per IS code. The average length of wiring around between (25-30) Mr.         Nos           3 X 2.5 sqmm (For UPS Circuit% amp Separate Board ) in suitable size of 16 SWG (MMS) steel conduit as per IS code.         Nos           3 X 4.5 sqmm. Copper multistrend wire in suitable size of 15 SWG (MMS) steel conduit ( For 3 TON Cassettee AC)         Nos           6 Maint PaneL AND METER BOARD         3 Nos           6 Maint PaneL AND METER BOARD         3 Nos           7 K 4 Signing, tabrication, supply, installation, testing and commissionings of front operated cubicle type compartmentalised, front access, free standing on 75MM T'M S channel, dust and wermin proof (H2 4 degree protection) panel suitable for use at 415V, jahase, 4-wire 60½ system suitable for fault level of required walke signing, tabrication, supply, installation, testing and commissionings of front operated cubicle type compartmentalised. To access, fire standing on 75MM T'M S channel, dust and wermin proof (H2 4 degree protec	3	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. <b>OR</b> Modular 32A DP 1 way switch with plate & box 1 set. + 25A & 10A twin socket (Only one point is connected with one			
the surface / recess mounting A.C. Cassette power point with the followings:         Metal enclose Four way with one Nos 32 Amp FP MCB with one circuit as mentioned below) including 5 X 4 Sgmm. Corper multistered FRLS wire in suitable size of 16 SWG (MMS) steel conduit ( For Cassettee AC)         4       requirement and as directed. (Only one point is connected with one circuit as mentioned below) including 5 X 4 Sgmm. Corper multistered FRLS wire in suitable size of 16 SWG (MMS) steel conduit ( For Cassettee AC)         4       requirement and as directed. Comblet as provided in the state of the st			5	Nos	
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 18 code.         a       3 X2.5 sqmm (For UPS Circuit/6 amp Separate Board ) in suitable size of 16 8 WG (MMS) steel conduit as per 18 code.         b       3 X4.0 sqmm (For 110n, 1.50, 200 8 2.00 Cassette AC / Power Circuit ) in b       8 Nos         c       5 X4 Sqmm. (Cort 10n, 1.50, 200 8 2.00 Cassette AC / Power Circuit ) in b       8 Nos         c       5 X4 Sqmm. Copper multistrend wire in suitable size of 16 SWG (MMS) steel conduit (For 3 TON Cassettee AC)       3 Nos         c       6 MAIN PANEL AND METER BOARD       3 Nos         c       6 MAIN PANEL AND METER BOARD       3 Nos         c       6 MAIN PANEL AND METER BOARD       3 Nos         c       6 MAIN PANEL AND METER BOARD       3 Nos         c       6 MAIN PANEL AND METER BOARD       3 Nos         c       7 MS channel, dust and vermin prod (IP4 24 degree protection) panel suitable for use at 415V, 3 phase, 4-wire 50Hz system suitable for fault level of required value symmetrical at 415V trabricated from 2mm thick CRCA MS sheets with hinged, gasketted (Metal based neoprene) locable doors having structural reinforcement including 2 coated primer and 2 power coated paint finish 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 (K	4	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			
Supply_installation_testing 4 commissioning of FRLS circuit wining measured in numbers with suitable size of MS conduit 1.6 mm thick and 25mm dia. The wining in MS conduit is as per IS code. The average length of wining around between(25-30) Mtr.         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         b       3.X.4.5 sqmm (For UPS Circuit/6 amp Separate Board ) in suitable size of 16 SWG (MMS) steel conduit as per IS code.       8 Nos         c       5.X.4.5 sqmm (For UPS Circuit/6 amp Separate Board ) in suitable size of 16 suitable size of 16 SWG (MMS) steel conduit as per IS code.       6 Nos         c       5.X.4.5 sqmm. Copper multistrend wire in suitable size of 16 SWG (MMS) steel conduit (For 3 TON Cassettee AC)       3         c       6 MAIN PANEL AND METER BOARD       9         Designing, fabrication, supply, installation, testing and commissionings of front operated cubicle type compartmentalised, front access, free standing on 75MM (T' MS channel, dust and vermin proof (IP 42 degree protection) panel suitable for use at 15V, 3 phase, 4-wire 5042 system suitable for fault level of required value symmetrical at 415V tabricated from 2mm thick CRCA MS sheets with hinged, gasketted (Metal based neoprene) locable doors having structural reinforcement including 3 mm thick gland plates on top and bottom, lifting hooks, Gl 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 0n-Off toggle switches including 2 coated primer and 2 power coated paint finh of approved shade over metal surface cleaned and treated with seven tank process complete with interconnections			4	Nos	
a       SWG (MMS) steel conduit as per IS code.       8       Nos         b       3 X 4.0 sqmm (For 1 ton, 1.50, 2.00 & 2.00 Cassette AC / Power Circuit ) in builtable size of 16 SWG (MMS) steel conduit as per IS code.       6       Nos         c       5 X 4 Sqmm. Copper multistrend wire in suitable size of 16 SWG (MMS) steel conduit as per IS code.       6       Nos         c       conduit (For 3 TON Cassettee AC)       3       Nos         6       MAIN PANEL AND METER BOARD       3       Nos         0       Designing, fabrication, supply, installation, testing and commissionings of front operated cubicle type compartmentalised, front access, free standing on 75MM       75MM         0       State and vermin proof (IP 42 degree protection) panel suitable for use at 415V, 3 phase, 4-wire 50Hz system suitable for suitable for use at 415V, 3 phase, 4-wire 50Hz system suitable for all level of required value symmetrical at 415V fabricated from 2mm thick CRCA MS sheets with hinged, gasketted (Metal based neoprene) locable doors having structural reinforcement including 3 mm thick gland plates on top and bottom, lifting hocks, GI earth strip of required at 2 power coaded paint finish 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 a approved make (RYPTON 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 acccessible parts shall be shrouded and all equip	5	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			
SWG (MMKs) steel conduit as per IS code.       8       Nos         3 X 4.0 sqmm (For 1 ton. 1.50. 200 & 2:00 Cassette AC / Power Circuit ) in suitable size of 16 SWG (MMS) steel conduit as per IS code.       6       Nos         c       5 X 4 Sqmm. Copper multistrend wire in suitable size of 16 SWG (MMS) steel conduit (For 3 TON Cassettee AC)       3       Nos         6       MAIN_PANEL_AND METER BOARD       3       Nos         6       MAIN_PANEL AND METER BOARD       4       4         Designing, fabrication, supply, installation, testing and commissionings of front operated cubicle type compartmentalised, front access, free standing on 75MM       7         T/ M S 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 15V faircated from Zmm thick CRCA MS sheets with hinged, gasketted (Metal based neoprene) locable doors having structural reinforcement including 2 coated primer and 2 power coated paint finish 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 sheeves SMC/ DMC shrouds and busbar supports shall be used. Padlocking facility shall be provided on all outgoing feeders doors and switch	а	3 X 2.5 sqmm (For UPS Circuit/6 amp Separate Board) in suitable size of 16			
b       suitable size of 16 SWG (MMS) steel conduit as per IS code.       6       Nos         c       5 X 4 Sqmm. Copper multistrend wire in suitable size of 16 SWG (MMS) steel conduit ( For 3 TON Cassettee AC)       3       Nos         6       MAIN PANEL AND METER BOARD	~		8	Nos	
c       conduit (For 3 TON Cassettee AC)       3       Nos         6       MAIN PANEL AND METER BOARD	b		6	Nos	
Designing, fabrication, supply, installation, testing and commissionings of front operated cubicle type compartmentalised, front access, free standing on 75MM         "I" 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, gaskettled (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 pain finish 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 los breaking capacity	с		3	Nos	
Designing, fabrication, supply, installation, testing and commissionings of front operated cubicle type compartmentalised, front access, free standing on 75MM         "I" 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, gaskettled (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 pain finish 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 los breaking capacity					
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 full level of required value symmetrical at 415V fabricated from 2mm thick CRCA MS sheets with hinged, gasketted (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 los breaking capacity	6				
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         All kA values indicated shall be lcs breaking capacity		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, gasketted (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			
cables.       All kA values indicated shall be Ics breaking capacity		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			
GA drawings shall be got approved by SBI					
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	3			
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 Board)			
	Incoming :-			
	i) 1no. 125 Amp 4P MCCB (25 KA) thermal over current, instantaneous, Short circuit realease,Earth fault.			
	ii) _Busbar :-125 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.			
	Complete panel described as above.			
<u> </u>				
b.	Floor panel shall consists of : - INCOMER			
<u> </u>	1no. 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			
	125 amps TPN pole busbar chamber of suitable length with copper busbars. All busbars and interconnections shall be of suitable size copper strips.			
<u> </u>				
<u> </u>	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.)			
	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	
$\vdash$	SDP(Surge Protector Devicve)	4	Set	
а	Supply & Installation of SDP (Surge Protector Devicve) for general protection of main Distribution Board Legrad Make Cat No. 412247 (3P+N), 40 KA, T2-Imax 40KA/pole with complete wiring.	1	36[	
<u> </u>	r			
b	6-way TPN DB (LIGHT DB)	1	Set	1
	Incomer:-			
	1 No. 32 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase			 
	Outgoing:-			
	10-12 Nos.6/10/25 Amp (10 KA) SP MCB			
c	4-way TPN DB ( POWER DB)	1	Set	
	Incomer:- 1 No. 63 Amp TPN (10 KA) MCR			
	1 No. 63 Amp TPN (10 KA) MCB			

Outgoing:-         ID Nos 16 Amp (10 KA) SP MCB           d         4way V-TPN DB (LIGHT)         1         Set           Incorner:-         ID         ID         ID         Set           Incorner:-         ID         ID         ID         ID         Set           Incorner:-         ID		4			
4 - way V-TPN DB (LIGHT)         5           1 No. 80 Amp 4 Pole (16 KA) MCCB					
Incomer:         Imported (16 KA) MCCB           Outgoing:         Imported (16 KA) MCCB           S Nos. 25 Amp (10 KA) SP MCB         Imported (16 KA) MCCB           Imported (16 KA) MCCB         Imported (16 KA) MCCB           Imported (16 KA) MCB WIN MCB         Imported (16 KA) MCCB           Imported (16 KA) MCB WIN MCB         Imported (16 KA) MCCB           Imported (16 KA) MCB WIN MCB         Imported (16 KA) MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB         Imported (16 KA) MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB         Imported (16 KA) MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB         Imported (16 KA) MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB         Imported (16 KA) MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB         Imported (16 KA) MCB WIN MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB (100 MA)         Imported (16 KA) MCB WIN MCB           Imported (16 KA) MCB WIN MCB (16 KA) MC		10 Nos.16 Amp (10 KA) SP MCB			
Incomer:         Imported (16 KA) MCCB           Outgoing:         Imported (16 KA) MCCB           S Nos. 25 Amp (10 KA) SP MCB         Imported (16 KA) MCCB           Imported (16 KA) MCCB         Imported (16 KA) MCCB           Imported (16 KA) MCB WIN MCB         Imported (16 KA) MCCB           Imported (16 KA) MCB WIN MCB         Imported (16 KA) MCCB           Imported (16 KA) MCB WIN MCB         Imported (16 KA) MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB         Imported (16 KA) MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB         Imported (16 KA) MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB         Imported (16 KA) MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB         Imported (16 KA) MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB         Imported (16 KA) MCB WIN MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB (100 MA)         Imported (16 KA) MCB WIN MCB           Imported (16 KA) MCB WIN MCB (16 KA) MC					
Incomer:         Imported (16 KA) MCCB           Outgoing:         Imported (16 KA) MCCB           S Nos. 25 Amp (10 KA) SP MCB         Imported (16 KA) MCCB           Imported (16 KA) MCCB         Imported (16 KA) MCCB           Imported (16 KA) MCB WIN MCB         Imported (16 KA) MCCB           Imported (16 KA) MCB WIN MCB         Imported (16 KA) MCCB           Imported (16 KA) MCB WIN MCB         Imported (16 KA) MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB         Imported (16 KA) MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB         Imported (16 KA) MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB         Imported (16 KA) MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB         Imported (16 KA) MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB         Imported (16 KA) MCB WIN MCB           Imported (16 KA) MCB WIN MCB (16 KA) MCCB (100 MA)         Imported (16 KA) MCB WIN MCB           Imported (16 KA) MCB WIN MCB (16 KA) MC	d		1	Set	
1 No. 80 Amp 4 Pele (16 KA) MCCB	u		I	Sei	
Outgoing:-       Image: Control of the second					
Ho. 40 Åmp (16 KA) TP MCB		1 No. 80 Amp 4 Pole (16 KA) MCCB			
S Nos: 25 Amp (10 KA) SP MCB       Image: Construction of the second of th		Outgoing:-			
S Nos: 25 Amp (10 KA) SP MCB       Image: Construction of the second of th		4No. 40 Amp (16 KA) TP MCB			
e         Bway V-TPN DB (AC)         1         Set           1 No. 80 Amp 4 Pole (16 KA) MCCB         1         Set           Dutgoing:         1         No. 40 Amp (16 KA) TP MCB         1           4 No. 40 Amp (16 KA) PMCB         1         1           5 Noe. 25 Amp (10 KA) SP MCB         1         1           4 way TPN DB UPS ROOM         1         Set           1 No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase         1           0 utgoing:         2         1           2 Nos. 26 Amp (10 KA) DP MCB, For UPS outgoings to individual SDB         1           9         12 way SPN DB (For UPS Sub DB)         2         Set           9         12 way SPN DB (For UPS Sub DB)         2         Set           9         12 way SPN DB (For UPS Sub DB)         2         Set           9         12 way SPN DB (For UPS Sub DB)         2         Set           1 No. 40 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)         1         Set           1 No. 40 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)         1         Set           9         12 way SPN DB (For UPS Sub DB)         2         Set           9         12 way SPN DB (For UPS Sub DB)         2         Set           9         10 No.					
Incomer:         Inc. 80 Amp 4 Pole (16 KA) MCCB           No. 40 Amp (16 KA) TP MCB         Incomer:           No. 40 Amp (16 KA) TP MCB         Incomer:           1 Away TPN DB UPS ROM         1           1 No. 63 Amp (TN KA) MCB with 40 A DP RCCB (100 MA) each phase         Incomer:           1 No. 63 Amp (TN KA) MCB with 40 A DP RCCB (100 MA) each phase         Incomer:           2 Nos. 40 Amp (10 KA) DP MCB, For UPS outgoings to individual SDB         Incomer:           1 No. 40 Amp DP (10 KA) MCB with 26 A DP RCCB (100 MA)         Incomer:           1 No. 40 Amp DP (10 KA) MCB with 26 A DP RCCB (100 MA)         Incomer:           1 No. 40 Amp DP (10 KA) MCB with 26 A DP RCCB (100 MA)         Incomer:           1 No. 40 Amp DP (10 KA) MCB with 26 A DP RCCB (100 MA)         Incomer:           1 No. 40 Amp DP (10 KA) MCB with 26 A DP RCCB (100 MA)         Incomer:           1 No. 40 Amp (10 KA) MCB with 26 A DP RCCB (100 MA)         Incomer:           1 No. 40 Amp (10 KA) MCB with 26 A DP RCCB (100 MA)         Incomer:           1 Set         Incomer:         Incomer:           1 Set         Incomer:         Incomer:					
Incomer:         Inc. 80 Amp 4 Pole (16 KA) MCCB           No. 40 Amp (16 KA) TP MCB         Incomer:           No. 40 Amp (16 KA) TP MCB         Incomer:           1 Away TPN DB UPS ROM         1           1 No. 63 Amp (TN KA) MCB with 40 A DP RCCB (100 MA) each phase         Incomer:           1 No. 63 Amp (TN KA) MCB with 40 A DP RCCB (100 MA) each phase         Incomer:           2 Nos. 40 Amp (10 KA) DP MCB, For UPS outgoings to individual SDB         Incomer:           1 No. 40 Amp DP (10 KA) MCB with 26 A DP RCCB (100 MA)         Incomer:           1 No. 40 Amp DP (10 KA) MCB with 26 A DP RCCB (100 MA)         Incomer:           1 No. 40 Amp DP (10 KA) MCB with 26 A DP RCCB (100 MA)         Incomer:           1 No. 40 Amp DP (10 KA) MCB with 26 A DP RCCB (100 MA)         Incomer:           1 No. 40 Amp DP (10 KA) MCB with 26 A DP RCCB (100 MA)         Incomer:           1 No. 40 Amp (10 KA) MCB with 26 A DP RCCB (100 MA)         Incomer:           1 No. 40 Amp (10 KA) MCB with 26 A DP RCCB (100 MA)         Incomer:           1 Set         Incomer:         Incomer:           1 Set         Incomer:         Incomer:					
1 No. 80 Amp 4 Pole (16 KA) MCCB         Outgoing:-         No. 40 Amp (16 KA) TP MCB         S Nos. 25 Amp (10 KA) SP MCB         4 way TPN DB UPS ROOM         1 Away TAN DB UPS ROOM         1 No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase         0 Utgoing:-         1 No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase         0 Utgoing:-         2 Nos. 40 Amp (10 KA) DP MCB, For UPS outgoings tto individual SDB         g 12-way SPN DB (For UPS Sub DB)         2 Set         Incomer:-         1 No. 40 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)         Outgoing:-         1 No. 40 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)         Outgoing:-         1 No. 40 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)         Outgoing:-         1 No. 40 Amp DP (10 KA) CP MCB         8-10 Nos 6/10Amp (10 KA) SP MCB         8         Not down and faing of KI; Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Vol near meter box         Vocden frame of 200 amp/415 Vol near meter box         7 CABLES         Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE         Insulate dup al (ack commony thorbus burg) transitions with to gauge earth comport and table over MS supports in masoure cable suitable for working writings to c	е	8-way V-TPN DB (AC )	1	Set	
Outgoing:-		Incomer:-			
Outgoing:-		1 No. 80 Amp 4 Pole (16 KA) MCCB			
4N0. 40 Amp (16 KA) TP MCB       Image: Comparison of the comp					
S Nos. 25 Amp (10 KA) SP MCB       Image: Comparison of the second of the					
f       Away TPN DB UPS ROOM       1       Set         Incomer:-       1       No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase					
f       Away TPN DB UPS ROOM       1       Set         Incomer:-       1       No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase		5 Nos. 25 Amp (10 KA) SP MCB			
Incomer:-       Incomer:-         1 No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase					
Incomer:-       Incomer:-         1 No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase	4		1	Cat	
1 No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase	T	-	1	Set	
Outgoing:       2Nos. 40 Amp (10 KA) DP MCB, For UPS outgoings tto individual SDB		Incomer:-			
Outgoing:       2Nos. 40 Amp (10 KA) DP MCB, For UPS outgoings tto individual SDB		1 No. 63 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase			
2Nos. 40 Amp (10 KA) DP MCB, For UPS outgoings tto individual SDB       2         g       12-way SPN DB (For UPS Sub DB)       2         Incomer:-       -         1 No. 40 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)       -         Outgoing:-       -         8-10 Nos.610Amp (10 KA) SP MCB       -         h       MIT KAT 200 AMP.       1         Stopplying, 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: strays, or laid and tied over the Supports in masony trenches with cooper/al cable lugs, single compression brass cable glands, tapping, crimping et cas required and all cables run whith double rund 2NO of GI wire of 8 SWG size. The size of cables are as under:- Make of Material:- (i) PVC/XLPC Amoured cable: strable for working voltage table: Fronuex, Havells, RR cable, CCI(Cable Corp. of India) (i) Cable Termination:: Dowells, Cornet         1       3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS & A.C. DB () Main cable       5         Mtr       Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated autimium conductor armoured cable with 10 gauge earth corper conductor armoured cable with 0 gauge earth corper wire including cables are trequired as per specification Fame for Main acessories, Clamps etc. as required as per specification fame fame, fame, family appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification fame fame, fame, family aputo the stass of the synthy appropriate Lug					
2Nos. 40 Amp (10 KA) DP MCB, For UPS outgoings tto individual SDB       2         g       12-way SPN DB (For UPS Sub DB)       2         Incomer:-       -         1 No. 40 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)       -         Outgoing:-       -         8-10 Nos.610Amp (10 KA) SP MCB       -         h       MIT KAT 200 AMP.       1         Stopplying, 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: strays, or laid and tied over the Supports in masony trenches with cooper/al cable lugs, single compression brass cable glands, tapping, crimping et cas required and all cables run whith double rund 2NO of GI wire of 8 SWG size. The size of cables are as under:- Make of Material:- (i) PVC/XLPC Amoured cable: strable for working voltage table: Fronuex, Havells, RR cable, CCI(Cable Corp. of India) (i) Cable Termination:: Dowells, Cornet         1       3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS & A.C. DB () Main cable       5         Mtr       Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated autimium conductor armoured cable with 10 gauge earth corper conductor armoured cable with 0 gauge earth corper wire including cables are trequired as per specification Fame for Main acessories, Clamps etc. as required as per specification fame fame, fame, family appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification fame fame, fame, family aputo the stass of the synthy appropriate Lug		Outgoing:-			İ
g       12-way SPN DB (For UPS Sub DB)       2       Set         Incomer:-       Incomer:-       Incomer:-       Incomer:-         1 No. 40 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)       Incomer:-       Incomer:-         8-10 Nos.6/10Amp (10 KA) SP MCB       Incomer:-       Incomer:-         1 No.40 Amp DP (10 KA) SP MCB       Incomer:-       Incomer:-         1 No.40 Amp.       Incomer:-       Incomer:-         1 No.50/10Amp (10 KA) SP MCB       Incomer:-       Incomer:-         1 No.40 Amp.       Incomer:-       Incomer:-         2 CABLES       Incomer:-       Incomer:-         3 CABLES       Incomer:-       Incomer:-         3 CABLES       Incomer:-       Incomer:-         3 CABLES       Incomer:-       Incomer:-         3 CABLES       Incomer:-       Incomer:-       Incomer:-         3 CABLES       Incomer:-       Incomer:-       Incomer:-         3 Cable T					 <u> </u>
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       -         h       NIT KAT 200 AMP.       1         Set       -         Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box       -         7       CABLES       -         Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE       -         Insulated (Heavy Duby) AUC: conductor amource 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 masony trenches with copper/al cable tags, single compression brass cable glands, tapping, crimping etc. as required and al cables run with double run(2 No.) of GI wire of 3 SWG size. The size of cables are as under:- Make O Matenai:       0         Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor amoured cable with 10 gauge earth if copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated atuminum conductor amoured cable with 10 gauge earth if copper wire including cables end termination agaptorpriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification <i>Pane</i> to ( <i>POWER/UPS) DB</i> 40       Mtr </td <td></td> <td>ZNOS. 40 AMP (10 KA) DE NICE, FOR DES OUTGOINGS TO INDIVIDUAL SDB</td> <td></td> <td></td> <td></td>		ZNOS. 40 AMP (10 KA) DE NICE, FOR DES OUTGOINGS TO INDIVIDUAL SDB			
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       -         h       NIT KAT 200 AMP.       1         Set       -         Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box       -         7       CABLES       -         Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE       -         Insulated (Heavy Duby) AUC: conductor amource 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 masony trenches with copper/al cable tags, single compression brass cable glands, tapping, crimping etc. as required and al cables run with double run(2 No.) of GI wire of 3 SWG size. The size of cables are as under:- Make O Matenai:       0         Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor amoured cable with 10 gauge earth if copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated atuminum conductor amoured cable with 10 gauge earth if copper wire including cables end termination agaptorpriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification <i>Pane</i> to ( <i>POWER/UPS) DB</i> 40       Mtr </td <td></td> <td></td> <td></td> <td></td> <td></td>					
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       -         h       NIT KAT 200 AMP.       1         Set       -         Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box       -         7       CABLES       -         Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE       -         Insulated (Heavy Duby) AUC: conductor amource 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 masony trenches with copper/al cable tags, single compression brass cable glands, tapping, crimping etc. as required and al cables run with double run(2 No.) of GI wire of 3 SWG size. The size of cables are as under:- Make O Matenai:       0         Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor amoured cable with 10 gauge earth if copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated atuminum conductor amoured cable with 10 gauge earth if copper wire including cables end termination agaptorpriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification <i>Pane</i> to ( <i>POWER/UPS) DB</i> 40       Mtr </td <td></td> <td></td> <td></td> <td></td> <td></td>					
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       -         h       NIT KAT 200 AMP.       1         Set       -         Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box       -         7       CABLES       -         Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE       -         Insulated (Heavy Duby) AUC: conductor amource 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 masony trenches with copper/al cable tags, single compression brass cable glands, tapping, crimping etc. as required and al cables run with double run(2 No.) of GI wire of 3 SWG size. The size of cables are as under:- Make O Matenai:       0         Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor amoured cable with 10 gauge earth if copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated atuminum conductor amoured cable with 10 gauge earth if copper wire including cables end termination agaptorpriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification <i>Pane</i> to ( <i>POWER/UPS) DB</i> 40       Mtr </td <td>q</td> <td>12-way SPN DB (For UPS Sub DB)</td> <td>2</td> <td>Set</td> <td></td>	q	12-way SPN DB (For UPS Sub DB)	2	Set	
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       1         h       KIT KAT 200 AMP.       1         Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box       1         7       CABLES       1         Supplying. unloading, storage, laying, testing and commissioning of PVC/XLPE Insulated (Heavy Duty) Al/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 copper/al cable lugs, single compression brass cable glands, tapping, crimping etc. as required and all cables run with double run(2 No.) of Gl wire of 8 SWG size. The size of cables are as under Make of Material:- (i) PVC/XLPC Armourd cable:- Finolex, Havelis, RR cable, CCI(Cable Corp. of India) (ii) Cable Termination:- Dowells, Comet         i       3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS & A.C. DB //Main cable       5       Mtr         Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated capper conductor armoured cable with 10 gauge earth ii copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth (POWER/UPS) DB       45       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conduc					
8-10 Nos.6/10Amp (10 KA) SP MCB       1         h       KIT KAT 200 AMP.       1         Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box       1         7       CABLES       1         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 grde, laid and tied on existing overhead cable trays, or laid and tied over MS supports in masony trenches with copperial 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         i       3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS & A.C. DE 5       Mtr         Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth termination accessories, Clamps etc. as required as per specification from Main board to UPS Room       40         Mtr       Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth to copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification Pane to (POWERUPS) DB       45       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100					
h       KIT KAT 200 AMP.       1       Set         Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box       1       Set         7       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, liaid 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, lapping, crimping etc. as required and all cables run with doubler un(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         1       3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS & A.C. DB J/Main cable       5       Mtr         Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor armoured cable with 10 gauge earth to pare to the copper onductor armoured cable with 10 gauge earth to grade earth to grade cable with 10 gauge earth to grade earth to subject thermination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth to copper wire including cables end terminat		Outgoing:-			
Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box         7       CABLES         Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE insulated (Heavy Duty) Al/Cu conductor armoured cable suitable for working voltage upto and including 1100 V grade, laid and tied on existing overhead cable trays, or laid and tied over MS supports in masonry trenches with copper/al cable lugs, single compression brass cable glands, tapping, crimping etc. as required and all cables run with double run(2 No.) of GI wire of 8 SWG size. The size of cables are as under:- Make of Material:- (i) PVC/XLPC Armoured cable:- Finolex, Havells, RR cable, CCI(Cable Corp. of India) (ii) Cable Termination:- Dowells, Comet         i       3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS & A.C. DB //Main cable       5         mice opper revine including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification from Main board to UPS Room       40         Mtr       Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth termination accessories, Clamps etc. as required as per specification from Main board to UPS Room       40       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth termination accessories, Clamps etc. as required as per specification from Main board to UPS Room       45       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade P		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         7       CABLES         Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE insulated (Heavy Duty) Al/Cu conductor armoured cable suitable for working voltage upto and including 1100 V grade, laid and tied on existing overhead cable trays, or laid and tied over MS supports in masonry trenches with copper/al cable lugs, single compression brass cable glands, tapping, crimping etc. as required and all cables run with double run(2 No.) of GI wire of 8 SWG size. The size of cables are as under:- Make of Material:- (i) PVC/XLPC Armoured cable:- Finolex, Havells, RR cable, CCI(Cable Corp. of India) (ii) Cable Termination:- Dowells, Comet         i       3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS & A.C. DB //Main cable       5         mice opper revine including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification from Main board to UPS Room       40         Mtr       Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth termination accessories, Clamps etc. as required as per specification from Main board to UPS Room       40       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth termination accessories, Clamps etc. as required as per specification from Main board to UPS Room       45       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade P					
Providing and fixing of Kit Kat Rewirable Porcelian fuse carrier & base with wooden frame of 200 amp/415 Volt near meter box         7       CABLES         Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE insulated (Heavy Duty) Al/Cu conductor armoured cable suitable for working voltage upto and including 1100 V grade, laid and tied on existing overhead cable trays, or laid and tied over MS supports in masonry trenches with copper/al cable lugs, single compression brass cable glands, tapping, crimping etc. as required and all cables run with double run(2 No.) of GI wire of 8 SWG size. The size of cables are as under:- Make of Material:- (i) PVC/XLPC Armoured cable:- Finolex, Havells, RR cable, CCI(Cable Corp. of India) (ii) Cable Termination:- Dowells, Comet         i       3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS & A.C. DB //Main cable       5         mice opper revine including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification from Main board to UPS Room       40         Mtr       Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth termination accessories, Clamps etc. as required as per specification from Main board to UPS Room       40       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth termination accessories, Clamps etc. as required as per specification from Main board to UPS Room       45       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade P	h	KIT KAT 200 AMD	1	Cat	
wooden frame of 200 amp/415 Volt near meter box         7       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 rou with double run(2 No.) of Gl 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         i       3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS & A.C. DB //Main cable       5       Mtr         Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor armoured cable with 10 gauge earth termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth termination acessories, Clamps etc. as required as per specification Pane to (POWER/UPS) DB       45       Mtr         supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth termination acessories, Clamps etc. as required as per specification (Light DB //       20       Mtr         Supplying, laying, testing & commissioning of 4 C X 50 sq.mm. at 1100 volts grade PVC insulated alu	n		l	Sei	
7       CABLES         Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE insulated (Heavy Duty) AI/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         i       3.5 X 50 Sq.mm XLPE. AI. armoured Cable (AC VTPN, BUS BARS & A.C. DB J/Main cable       5         supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated <u>copper conductor</u> armoured cable with 10 gauge earth ii copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40         Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 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 required as per specification Pane to (POWER/UPS) DB       45         Supplying, laying, testing & commissioning of 4 C X 50 sq.mm. at 1100 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 required as per specification (Light DB ).       20         Supplying, laying, te					
Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE insulated (Heavy Duty) Al/Cu conductor armoured cable suitable for working voltage upto and including 1100 V grade, laid and tied on existing overhead cable trays, or laid and tied over MS supports in masonry trenches with copper/al cable lugs, single compression brass cable glands, tapping, crimping etc. as required and all cables run with double run(2 No.) of GI wire of 8 SWG size. The size of cables are as under:- Make of Material:- (i) PVC/XLPC Armoured cable:- Finolex, Havells, RR cable, CCI(Cable Corp. of India) (ii) Cable Termination:- Dowells, Comet         i       3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS & A.C. DB J/Main cable       5         supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated <u>copper conductor</u> armoured cable with 10 gauge earth termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40         Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth till copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification Pane to (POWER/UPS) DB       45         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification (Light DB ).       45       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with		wooden frame of 200 amp/415 Volt near meter box			
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 cables. Finolex, Havells, RR cable, CCI(Cable Corp. of India) (ii) Cable Termination:- Dowells, Comet         i       3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS & A.C. DB J/Main cable       5         j/Main cable       5       Mtr         supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor armoured cable with 10 gauge earth termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40       Mtr         supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth termination acessories, Clamps etc. as required as per specification <i>Pane to (POWER/UPS) DB</i> 45       Mtr         supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth termination acessories, Clamps etc. as required as per specification <i>Pane to (POWER/UPS) DB</i> 45       Mtr         supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth termination acessories, Clamps etc. as required as per specification <i>Pane to (POWER/UPS</i>	7	CABLES			
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 cables. Finolex, Havells, RR cable, CCI(Cable Corp. of India) (ii) Cable Termination:- Dowells, Comet         i       3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS & A.C. DB J/Main cable       5         j/Main cable       5       Mtr         supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor armoured cable with 10 gauge earth termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40       Mtr         supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth termination acessories, Clamps etc. as required as per specification <i>Pane to (POWER/UPS) DB</i> 45       Mtr         supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth termination acessories, Clamps etc. as required as per specification <i>Pane to (POWER/UPS) DB</i> 45       Mtr         supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth termination acessories, Clamps etc. as required as per specification <i>Pane to (POWER/UPS</i>		Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE			
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         i       3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS & A.C. DB //Main cable       5         Mir       Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated <u>copper conductor</u> armoured cable with 10 gauge earth to copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40         iii       Supplying, laying, testing & commissioning of 4 C X 15 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth to reper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification Pane to (POWERUPS) DB       45         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth to copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification Pane to (POWERUPS) DB       45       Mtr         iii       Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gau					
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, Cornet         i       3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS & A.C. DB       Mtr         Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts       fmain cable       5         supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 volts       fmain accessories, Clamps etc. as required as per specification from Main         board to UPS Room       40       Mtr         Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 volts       fmain accessories, Clamps etc. as required as per specification from Main         board to UPS Room       40         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts       fmain accessories, Clamps etc. as required as per specification Pane to         (i)       copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (Light DB)       45         (ii)       supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper		insulated (Heavy Duty) Al/Cu conductor armoured cable suitable for working			
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       5         Main cable       5         Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor armoured cable with 10 gauge earth to por wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room         w       Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 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 required as per specification Pane to (POWER/UPS) DB         supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification (Light DB //         w       Supplying, laying, testing & commissioning of 4 C X 50 sq.mm. at 1100 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 required as per specification (Light DB //       45       Mtr		voltage upto and including 1100 V grade, laid and tied on existing overhead			
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         i       3.5 X 50 Sq.mm XLPE. AI. armoured Cable (AC VTPN, BUS BARS & A.C. DB         j/Main cable       5         Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts         grade PVC insulated copper conductor armoured cable with 10 gauge earth         copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main         board to UPS Room       40         Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 volts         grade PVC insulated aluminum conductor armoured cable with 10 gauge earth         iii       copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification <i>Pane to (POWER/UPS) DB</i> Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts         grade PVC insulated aluminum conductor armoured cable with 10 gauge earth         iv       copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification (Light DB ).         v       copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification (Light DB ).		voltage upto and including 1100 V grade, laid and tied on existing overhead			
Armoured cable:- Finolex, Havells, RR cable, CCI(Cable Corp. of India) (ii)       Iii         Cable Termination:- Dowells, Comet       Iiii         i       3.5 X 50 Sq.mm XLPE. AI. armoured Cable (AC VTPN, BUS BARS & A.C. DB       Mtr         //Main cable       5         Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40         Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification Pane to (POWER/UPS) DB       45         Mtr       Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification (Light DB ).       20         W       Supplying, laying, testing & commissioning of 4 C x 50 sq.mm. at 1100 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 required as per specification (Light DB ).       20         V       copper wire including cables end termination using appropriate Lugs, Glan		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			
Cable Termination:- Dowells, Comet       Image: Cable Termination:- Dowells, Comet         i       3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS & A.C. DB //Main cable       5         Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40         Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 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 required as per specification Pane to (POWER/UPS) DB       45         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification Pane to (POWER/UPS) DB       45       Mtr         Iv       Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification (Light DB ).       20       Mtr         V       Supplying, laying, testing & commissioning of 4 C x 50 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termin		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			
Cable Termination:- Dowells, Comet       Image: Cable Termination:- Dowells, Comet         i       3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS & A.C. DB //Main cable       5         Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40         Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 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 required as per specification Pane to (POWER/UPS) DB       45         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification Pane to (POWER/UPS) DB       45       Mtr         Iv       Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification (Light DB ).       20       Mtr         V       Supplying, laying, testing & commissioning of 4 C x 50 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termin		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			
i       3.5 X 50 Sq.mm XLPE. AI. armoured Cable (AC VTPN, BUS BARS & A.C. DB )/Main cable       5       Mtr         ii       Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40       Mtr         Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 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 required as per specification Pane to (POWER/UPS) DB       45       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification Pane to (POWER/UPS) DB       45       Mtr         Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification (Light DB ).       20       Mtr         v       Supplying, laying, testing & commissioning of 4 C x 50 sq.mm. at 1100 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		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( <b>2 No.</b> ) of <b>GI wire of 8 SWG</b> size. The size of cables are as under:- Make of Material:- (i) PVC/XLPC			
j/Main cable       5       Mtr         Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40       Mtr         Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 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 required as per specification Pane to (POWER/UPS) DB       45       Mtr         supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification Pane to (POWER/UPS) DB       45       Mtr         iv       Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification (Light DB ).       40         v       Supplying, laying, testing & commissioning of 4 C X 50 sq.mm. at 1100 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 required as per specification (Light DB ).       20       Mtr		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( <b>2 No.</b> ) of <b>GI wire of 8 SWG size</b> . 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)			
j/Main cable       5       Mtr         Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40       Mtr         Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 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 required as per specification Pane to (POWER/UPS) DB       45       Mtr         supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification Pane to (POWER/UPS) DB       45       Mtr         iv       Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification (Light DB ).       40         v       Supplying, laying, testing & commissioning of 4 C X 50 sq.mm. at 1100 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 required as per specification (Light DB ).       20       Mtr		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( <b>2 No.</b> ) of <b>GI wire of 8 SWG size</b> . 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)			
j/Main cable       5       Mtr         Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40       Mtr         Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 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 required as per specification Pane to (POWER/UPS) DB       45       Mtr         supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification Pane to (POWER/UPS) DB       45       Mtr         iv       Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification (Light DB ).       40         v       Supplying, laying, testing & commissioning of 4 C X 50 sq.mm. at 1100 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 required as per specification (Light DB ).       20       Mtr		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( <b>2 No.</b> ) of <b>GI wire of 8 SWG size</b> . 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)			
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ii       copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room       40       Mtr         Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 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 required as per specification Pane to (POWER/UPS) DB       45       Mtr         iii       Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification (Light DB ).       45       Mtr         iv       Supplying, laying, testing & commissioning of 4 C x 50 sq.mm. at 1100 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 required as per specification (Light DB ).       20       Mtr         v       Supplying, laying, testing & commissioning of 4 C x 50 sq.mm. at 1100 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 required as per specification (Mains).       40	i	<ul> <li>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</li> <li>3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS &amp; A.C. DB )/Main cable</li> </ul>	5	Mtr	
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(POWER/UPS) DB       45       Mtr         iv       Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification (Light DB ).       20       Mtr         v       Supplying, laying, testing & commissioning of 4 C x 50 sq.mm. at 1100 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 required as per specification (Mains).       V	ii	<ul> <li>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</li> <li>3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS &amp; A.C. DB )/Main cable</li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated <u>copper conductor</u> armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from <i>Main board to UPS Room</i></li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 25 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth</li> </ul>	5		
iv       Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification (Light DB ).       20       Mtr         v       Supplying, laying, testing & commissioning of 4 C x 50 sq.mm. at 1100 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 required as per specification (Mains).       20       Mtr	ii	<ul> <li>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</li> <li>3.5 X 50 Sq.mm XLPE. Al. armoured Cable (AC VTPN, BUS BARS &amp; A.C. DB )/Main cable</li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated <u>copper conductor</u> armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from <i>Main board to UPS Room</i></li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 25 sq.mm. at 1100 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 required as per specification from <i>Main board to UPS Room</i></li> </ul>	5 40		
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termination acessories, Clamps etc. as required as per specification (Light DB       20       Mtr         J.       20       Mtr         Supplying, laying, testing & commissioning of 4 C x 50 sq.mm. at 1100 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 required as per specification (Mains).       V	ii	<ul> <li>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</li> <li>3.5 X 50 Sq.mm XLPE. AI. armoured Cable (AC VTPN, BUS BARS &amp; A.C. DB )/Main cable</li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated copper conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room</li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 25 sq.mm. at 1100 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 required as per specification from Main board to UPS Room</li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 25 sq.mm. at 1100 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 required as per specification <i>Pane to</i> (<i>POWER/UPS</i>) <i>DB</i></li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 16 sq.mm. at 1100 volts</li> </ul>	5 40 45	Mtr	
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10 Mtr	ii iii iv	<ul> <li>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</li> <li>3.5 X 50 Sq.mm XLPE. AI. armoured Cable (AC VTPN, BUS BARS &amp; A.C. DB )/Main cable</li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated <u>copper conductor</u> armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room</li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification <i>Pane to</i> (<i>POWER/UPS) DB</i></li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification <i>Pane to</i> (<i>POWER/UPS) DB</i></li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification (<i>Light DB</i>).</li> <li>Supplying, laying, testing &amp; commissioning of 4 C x 50 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable wi</li></ul>	5 40 20	Mtr	
	ii iii iv	<ul> <li>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</li> <li>3.5 X 50 Sq.mm XLPE. AI. armoured Cable (AC VTPN, BUS BARS &amp; A.C. DB )/Main cable</li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated <u>copper conductor</u> armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room</li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification <i>Pane to</i> (<i>POWER/UPS) DB</i></li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification <i>Pane to</i> (<i>POWER/UPS) DB</i></li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification (<i>Light DB</i>).</li> <li>Supplying, laying, testing &amp; commissioning of 4 C x 50 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable wi</li></ul>	5 40 20	Mtr	
	ii iii iv	<ul> <li>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</li> <li>3.5 X 50 Sq.mm XLPE. AI. armoured Cable (AC VTPN, BUS BARS &amp; A.C. DB )/Main cable</li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated <u>copper conductor</u> armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination acessories, Clamps etc. as required as per specification from Main board to UPS Room</li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification <i>Pane to</i> (<i>POWER/UPS) DB</i></li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification <i>Pane to</i> (<i>POWER/UPS) DB</i></li> <li>Supplying, laying, testing &amp; commissioning of 4 C X 16 sq.mm. at 1100 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 required as per specification (<i>Light DB</i>).</li> <li>Supplying, laying, testing &amp; commissioning of 4 C x 50 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable wi</li></ul>	5 40 20	Mtr Mtr	

8	EARTHING			
a	<ul> <li>EARTHING</li> <li>COPPER PLATE EARTH STATION: Preparation of the Plate Earth Station:( As per IS:3043)</li> <li>(a) Excavation of hard rocky earth, soft murrum, hard murrum etc and back filling with black cotton soil for the earth station, the earth pit size is 1000 mm X 1000 mm X 2500 mm.</li> <li>(b) Supply and fixing of Copper Plate of Size 600 mm X 600 mm X 3.0 mm thick.</li> <li>(c) Fixing of 50 mm X 6 mm, 3 Mtrs copper strips from Copper Plate to earth terminal including brazing/welding at plate etc.</li> <li>(d) Supply and laying in position 19 mm, 2 Mtrs G.I "B" Class pipe for watering with reducer/funnel with mesh.</li> <li>(e) Supply and Fixing of the following in the earth station.</li> <li>(i) 75 Kg. Charcoal.</li> <li>(ii) 15 Kg. Original Salt.</li> <li>(iii) Black Cotton soil of adequate amount.</li> <li>(f) Construction of earth pit chamber including necessary brick work concrete, plastering, S/F of C.I Cover of size 12" X 12" complete as per site requirment.</li> </ul>			
		2	Nos	
ь	<ul> <li>G.I.PLATE EARTH STATION : Preparation of the Plate Earth Station: (as per IS:3043)</li> <li>(a) Excavation of rocky earth, soft murrum, hard murrum etc and back filling with black cotton soil for the earth station, the earth pit size is 1000 mm x 1000 mm x 2500 mm deep.</li> <li>(b) S/F of G.I. plate of size 600 x 600 x 6.0 mm thick.</li> <li>(c) S/F fixing 50 mm x 6 mm, 3 mtrs G.I, strips from G.I.plate to earth terminal including brazing / welding at plate etc.</li> <li>(d) Supplying and laying in position 19 mm, 2 mtrs G.I. `B' class pipe for watering.with reducer/funnel with mesh.</li> <li>(e) S/F of the following in the earth station.</li> <li>75 Kg. Charcoal, 15 Kg. Original Salt. and Black Cotton soil of adequate amount.</li> <li>(f) Construction of earth pit chamber including necessary brick work concrete, plastering, S/F of C.I. Cover of size 12" x 12" complete as per site req.and marking its value &amp; identification etc.</li> </ul>			
d	Providing and fixing of Copper / GI strips in surface or in recess for loop earthing etc. as required.	2	Nos	
i	25 mm x 3 mm copper strip with proper clamps	15	Mtr	
ii	25 mm x 5 mm GI strip	15	Mtr	
iii	Providing and fixing 2 X 8 SWG dia. Cu earth wire in PVC conduit on surface or in recess for loop earthing along with the existing surface/ recess cable as required.		Mtr	
e	OCCUPANCY SENSORS:- Supply, installation , testing and commissioning of occupancy sensor surface/recess mounted as per site condition complete with all wiring/conduit/Switch etc complete in all respect as per site condition as required Honeywell Make K5015/16, Siemens/Johnson Control OR Equivalent as per Bank's approved.	2	Nos	
9	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 <b>35 meter length</b> 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 shueld 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			
		6	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	
10	DATA CABLING FOR LAN			
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	12	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 wall mounted RACK	1	Nos	
d	Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complte with connector on both side.)			
i)	for 1 Mt. long	12	Nos.	
ii)	for 2 Mt. long	12	Nos	
e	Providing, fixing,testing and commissioning of four pair CAT 6 LAN cable in suitable size of 20/25mm PVC medium gauge 16SWG conduit including all accessories to interconnect the switches from different location.	30	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		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		
	Description of light / fan fixture	1	sum		
14	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				
15	LED DOWNLIGHTER: 15 Watt, recessed mounted circular down lighter , 6" dimension with complete its electronic driver are as under:- PHILIPS:- GREENLED-DN193B LED-12S-6500 PSU WIPRO:- IRIS LED LD 71-121-XXX-50-XX HAVELLS:- LHEBJNP ZPZ 1W 015(ENDURA LOW DEPTH) CG:- LC DD-15-CDL,	35	Nos		
16	LED Spot Light, 3 Watt, 2/3"(Inches) size as per site requirment. PHILIPS, WIPRO, HAVELLS, CG	10	Nos		
17	<b>LED COVE / STRIP LIGHT WITH ITS ELECTRONIC DRIVER( BLUE</b> <b>COLOUR</b> ):- Supply, installation, testing and commissioning of bright LED strip light with its electronic driver complete as required. PHILIPS, WIPRO, HAVELLS, CG	70	Mtr		
18	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	1	Nos		
19	BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt - PHILIPS/WIPRO/HAVELLS/CG	16	Nos		
20	CEILING FAN: Single phase heavy duty grease filled double ball bearing, aerodynamically designed heavy gauge aluminium blades, copper wounded and impregnated silicon stamping motors etc 1200 mm sweep, brilliant white CG/USHA/ ORIENT/HAVELLS	13	Nos		
21	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 under: CG/USHA/ ORIENT/HAVELLS				
22	EXHAUST FAN:- Single phase, 300mm sweep, 900 rpm, metallic exhaust fan of the following single phase Exhaust fan continuously rated, capacitor start and run type, totally enclosed and ruggedly built, pre lubricated double ball bearing, copper wounded, A & E class insulation, dynamically balanced, below 40 db sound level etc, front cover with grill/gravity louver for protection purpose with 12 mm plywood complete in all respect make as under: CG/USHA/ ORIENT/HAVELLS/ALMONARD/ALSTOM	2	Nos		
	Sub Total : Part A (Electrical Works)	4	Nos		
	Note:- The rates quoted includes all other taxes,duties, loading, unloading,transportation,other expenses etc to site. GST will be paid additionally as applicable				
		Seal & S	Signa	ture of Co	ntractor