

SCEDULE OF QUANTITIES FOR ELECTRICAL & ALLIED AND AC WORKS AT BANCHAURA BRANCH					
Sr.No.	Description	Units	Qty	Rate	Amount
1	Wiring for light point / fan point/exhaust fan/ / light socket switch with 3X1.5 sqmm copper conductor FRLS insulated 1100v grade multi strand wires (P+N+E) in cancelled / surface using 20/25/32 rigid MS conduit 16swg thick with all bend, tees, saddle mounting box, cover plate ceiling rose, etc. wherever required etc.& cromium plate brass screw/rawl plug etc.The circuit wiring start from DB to point control box /switch box using 3x2.5 sqmm copper conductor FRLS insulated 1100V grade multistrand wire (P+N+E) identification ferrules at both end in MS conduit 16 swg thick complete in all respect.The conduit must be fixed with MS saddle at every 80cm on surface and conduit to be laid in ceiling with proper clamps/wall floor filling the chese with cement mortar and finish the same in original form/wooden partion above falceiling chessess filled with cement mortar as required at site Each circuit shall have separate earth wire.All switch socket must be for modular type with M.S. Boxes and plate etc. as required Note:-.Each circuit shall have independent earth wire each point shall be earthed. Circuit wiring is to be includede in point rate wiring. (PLEASE NOTE THAT Colour code - Red-Yellow-Blue wires for phases, Black wire for Neutral and Green wire for Earth must be				
i)	Light point controlled by one 6A modular one way switch.	Nos	40		
ii)	Secondary point	Nos	15		
iii )	One wall / exhaust fan controlled by one 6A modular switch, but switch at switch board level and 6A 5-pin socket has to provide near the wall fan at designated place for connections.	Nos	7		
iii )	One light plug point ontrolled by one 6A modular switch & 6A modular socket at switch board level .	Nos	6		
2	POWER POINTS				
	Do -as S.NO.1 but using 2X4 sqmm copper conductor FRLS wires for the first 16A,6ping modular socket controlled by 16A switch and second point looped with 2X2.5 sqmm copper conductor wires FRLS insulated 1100V grade.Earth wire shall be 2.5 sqmm copper conductor FRLS insulated wire.				
i	POWER POINT with 4 sqmm copper conductor wire	Nos	4		
ii	POWER POINT with looped with 2.5 sq.mm copper conductor wires	Nos	4		
3	AC POINT				
	Do as S.NO.1 but using 2X4 sqmm copper conductor FRLS /FR wires with1X2.5Sq.mm FRLS earth wire for AC point.The points shall starts from DB & shall finish at point including the supply & installation of modular type 25Amps Socket with 25 Amp SPMCB ( C Series ) Metal Box .	Nos	5		
4	COMPUTER POINT				
i)	wiring with 3x2.5 sqmm PVC insulated ,1100V grade copper conductor FRLS wires in medium PVC conduit from UPS DB to computer points.Each point to have two set of 3 no 6A 5 pin modular type socketat below the top of table/counter and controlled by one 6A modular Swith and one 6A indicator at above the table top in wooden partion with all accessories. Inner / outer plates, metal box etc and to be fixed on wooden partion/ by grouting on wall etc as per site requirement.( Counter )	Nos	5		

ii)	wiring with 3x2.5 sqmm PVC insulated ,1100V grade copper conductor FRLS wires in medium PVC conduit from UPS DB to computer points.Each point to have one set of 3 no 6A 5 pin modular type socketat below the top of table/counter and controlled by one 6A modular Swith and one 6A indicator at above the table top in wooden partion with all accessories. Inner / outer plates, metal box etc and to be fixed on wooden partion/ by grouting on wall etc as per site requirement.	Nos	5		
iii	Same as above but looped from first point & from first point to second point in a circuit including first point.	Nos	4		
5	Supplying , fixing , testing & commissioning of PVC insulated, 1100 volt grade Copper conductor armoured cables for sub mains inclusive of glad and end termination following size as				
ii	4C x10 sq. mm copper conductor cable (from panel To PDB )	RM			
iii	4C x6 sq. mm copper conductor cable from panel to LDB & UPS	RM			
vi	3 x6 sq . Mm PVC insulated copper conductor wires in PVC conduit ( from UPS to UPSDB )	RM			
6	Electric Panel	Nos	1		
	Designing, fabrication, supply, installation, testing and commissionings of front operated cubicle type compartmentalised, front access, free standing on 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 and 2 coated primer and 2 power coated paint fnish of approved shade over metal surface cleaned with interconnections etc as per specifications as required.as per the following specifications and comprising of followings panel mounting				
	All switchgears shall have provision for entry of cables from the top or bottom through Cable Alley.				
	Suitable arrangement shall be made for termination of multiple incoming cables.				
	All kA values indicated shall be lcs breaking capacity				
	GA drawings shall be got approved by SBI				
	Incoming OF MAIN PANEL				
	1 No.100 Amps, 415V, 25kA, 4P ,MCCB each thermal over current, instantaneous, short circuit realease, earth fault & Neutral failure.				
	Busbar:- 125 Amps 4P copper bus bar (BPTM type Heat-shrinkable busbar insulation) supported by SMC/ DMC / FRP insulators.				
	LED- R-Y-B phase indicators				
	Digital equalisers or, Multifunction meter for recording (Minm size 250mmX250MM) Voltage/Current/Frequency/KwH/KVAH etc with CT/PTs				
	100 Amps, 4-P Onload Changeover Switch				
	OUTGOING				
	3 Nos, 63 Amps, 4-P, 10kA, MCB (For AC&P DB & ATM)				
	1 Nos. 40 Amps, 4-P, 10kA, MCB				
	3 Nos. 40 Amps, 2P, 10kA, MCB				

7	Supplying, installing, testing & commission of surface/recessed mountings, Double door 415 volts TPN MCB distribution board of steel steel, 1.6mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper busbars, earthbar, common neutral link, din bar for mounting of MCB's detachable gland / knock out plate & with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and upto the terminal connectors/ neutral link and ready for installation of following ways as required:				
i	4-way TPN DB (PDB )				
	12 Nos. 10-25 Amp. SP MCBs as outgoing and 63Amp 4P MCB with as incomer.	Nos	1		
ii	10 way SPN DB ( UPS Output DB & Light DB)				
	8 Nos. 10 Amp. SP MCBS as outgoing and 1x25 Amp DP 100mA 2pole RCBO as incomer.	Nos	1		
iii	6 way SPN DB ( UPS Output DB)	Nos	1		
	4 Nos. 10 Amp. SP MCBS as outgoing and 25 Amp DP 100mA 2pole RCBO as incomer.				
8	Supplying, installing, testing & commission of 40Amps 4 P MCB double door 415 volts TPN MCB distribution .	Nos	1		
9	Supplying, installing, testing & commission of 15/16 A 6 ping modular socket controlled by 16A SPMCB .	Nos	4		
10	Supplying, installing, testing & commission of 100 Amps HRC Fuse type Switch unit .	Nos	1		
11	Earthing				
i	Supply, installation, commissioning and testing of Teksai 343 Cu Or Equivalent (Pipe-in-Pipe Technology) EC Grade Copper Spec: 3 mtr Long/40 mm dia/2 mm wall thickness /Terminal-32 x 6 mm EC Grade K Type Electrolytic Copper Earthing 92-97% Purity with CI Chamber Cover. ( For UPS) ( T-39)	Nos	2		
ii	Supply, installation, commissioning and testing of Teksai 350 GI , Or Equivalent (Pipe-in-Pipe Technology) Spec: 3 mtr Long/50 mm dia/2.89mm wall thickness /Terminal-32 x 10 mm Inner Pipe / Outer pipe 250-100 micron galvanized. With CI Chamber Cover.( Panel BOdy) ( T-19)	Nos	2		
iii	10 Sq.mm PVC insulated copper conductor wires in PVC conduit from earth pit to UPS Output DB & near Reck .	RM	100		
12	DATA & VOICE CABLING				
(i)	Supplying & laying wiring with CAT 6 E in PVC conduit inclusive of supplying ,fixing , testing & commissioning of IOs with double Face Plate MS box with double IO of CAT-6 all accessories asrequired . ( only case counters & BM'cabin )	Nos	5		
(ii)	Supplying & laying wiring with CAT 6 E in PVC conduit inclusive of supplying ,fixing , testing & commissioning of IOs with singal face Plate , MS box with single IO of CAT-6 all accessories asrequired . ( Data ).	Nos	6		
13	Supplying & fixing of 24 ports Jack Panel fully loaded with CAT-6 RJ- 45 sockets for terminating cables at RACK including managing cable .	Nos	1		
14	Supplying & laying wiring with CAT 5 E in PVC conduit supplying , fixing,testing and commissioning of Os with Single Face Plate, MS Box with one IO of CAT-5 all accessories asrequired complete as required.	Nos	3		
15	Supplying & installation of 9 u rack complete including testing & commissioning complete as required.	Nos	1		

	1 Meter	Nos	15		
	3 Meter	Nos	10		
17	P/F450/350 mm wall fans (Make :-Usha / Crompton/ orient / Havells/Bajaj / Almonard ) metal Body .	Nos	5		
18	P/F Exhaust Fan 12" (Make :-Usha / Crompton/ orient / Havells/Bajaj / Almonard ) metal Body .	Nos	1		
19	Supply of light fixtures suitable for LED lamps with all components and accessories including				
i	RESSES DOWN LED LIGHT FIXTURE. 15Watt metal body Make:- /Halonix / Legero / (Bajaj, Wipro, Halonix)	Nos	18		
ii	600x600 LED 36 W panel Make : / Viprow / GE /Halonix / Legero / (Bajaj / Philips)	Nos	8		
iii	Surface LED Light 20 Watt (4 feet) Make : (Bajaj / Philips) / Viprow / GE /Halonix / Legero / )	Nos	2		
iv	Surface LED Light 18 Watt (1x1) Make : (Bajaj / Philips) / Viprow / GE /Halonix / Legero / )	Nos	12		
20	Receiving , storing , installation ,interconnection & commssioning of light fixtures suitable for LED lamps with all components and accessories including				
i	RESSES DOWN LED LIGHT FIXTURE. 15Watt metal body Make:- /Halonix / Legero / (Bajaj, Wipro, Halonix)	Nos	18		
ii	600x600 LED 36 W panel Make : / Viprow / GE /Halonix / Legero / (Bajaj / Philips)	Nos	8		
iii	Surface LED Light 20 Watt (4 feet) Make : (Bajaj / Philips) / Viprow / GE /Halonix / Legero / )	Nos	2		
iv	Surface LED Light 18 Watt (1x1) Make : (Bajaj / Philips) / Viprow / GE /Halonix / Legero / )	Nos	12		
18	Removing & re-installation of 1.5/1.0 TR Split airconditioning inclusive of servicing , gas charging , testing & commissioning complete in all respect excluding compressor .	Nos	1		
19	Supplying , installation , testing & commissioning of 1.0 TR split AC air - conditioner three star rating inclusive MS stand & 3 mtr referigerent copper pipe complete in all respect . Make : Hitachi/ carrier/ Dakin/ Blue-star /Voltas	Nos	2		
20	Supplying , installation , testing & commissioning of 1.5 TR split AC air - conditioner three star rating inclusive of MS stand & 3 mtrs referigerent copper pipe complete in all respect . Make : Hitachi/ carrier/ Dakin/ Blue-star /Voltas	Nos.	4		
21	Supply,installation,testing and commissioning of Interconnecting refrigerant pipe work with (19mm/13 mm thick) closed cell elastomeric nitrile rubber tubular insulation between each set of indoor & outdoor units as per specifications, all piping inside the room shall be properly supported with MS hanger & clamps and also inclusive of pvc insulated cooper wires from indoor to outdoor unit				
22	Reffrigrant copper piping for split AC 1.0/1.5/2.0 TR	RM	20		
23	Drain Piping				
24	Supply,installation,testing and commissioning of rigid PVC piping complete with fittings, supports as per specifications and duly insulated with 6 mm thick closed cell nitrile rubber insulation.				
	25mm Dia PVC drain pipe for split AC	RM	30		
25	Supplying, installation, testing and commissioning of voltage stabilizers ( copper winding )(Bluebird/Logic State/In-line only &Reputed firm)				
	4 KVA	Nos	6		