

PRICE BID OF ELECTRICAL & ALLIED WORKS FOR SBI BRANCH AT 'A' BLOCK, PASCHIM VIHAR, DELHI (EXISTING PREMISES)

		DATE:- 20.06.2025			
S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
1	Wiring for light point/ fan point/ wall fan point/ exhaust fan/ light sockets etc. with 1.5 sq.mm. PVC insulated 1100 V Grade copper conductor (FRLS) wires & 1.5 sq.mm. copper earth wire in concealed/ surface using 16 SWG MS conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, ceiling rose etc (wherever required) and chromium plates brass screws/ rowel plug etc. The circuit wiring starting from DB to point control box/ switch box using 2 X 2.5 sq.mm PVC insulated 1100 V grade multi-stranded copper conductor wire & 2.5 sq.mm. PVC insulated earth wire (color code to be used). (Flexible conduit/ elbow not allowed). The conduit to be laid in ceiling with proper clamps/ wall/ floor and filling the chase with cement mortar and finishing the same in original form/ wooden partition/ above false ceiling with proper clamps etc. all complete.				
	(Wherever required as per standard specifications).				
	i) Each circuit shall have independent earth wire.				
	ii) Each point shall be earthed.				
	iii) Circuit wiring is to be included in point wiring rates.				
i	One light points controlled by one 6 amp. Modular switch.	Nos.	14.00		
ii	Two light points controlled by one 6 amp. Modular switch.	Nos.	26.00		
iii	Three light points controlled by one 6 amp. Modular switch.	Nos.	10.00		
iv	Four light points controlled by one 6 amp. Modular switch For cove light.	Nos.	8.00		
v	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	Nos.	1.00		
vi(a)	One wall fan/ ceiling/ exhaust fan point with 6 amp 3-pin socket controlled by one 6 amp. Modular switch. The switch should be at switchboard level.	Nos.	16.00		
vi(b)	Ceiling fan point controlled by one 6 amp. Modular switch With Regulator.	Nos.	1.00		
viii	One 5 pin socket controlled by one 6 amp. Modular switch complete assembly includes plate box etc.				
a	Dependent	Nos.	8.00		
vi	Same as serial no 1 but 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).				
a	Primary Point	Nos.	8.00		
b	Secondary Point looped	Nos.	12.00		
xi	Same as serial no 1 but using 2*2.5 + 1*2.5 Sqmm Copper Conductor FRLS wires from DB to first 16 Amp MCB two Nos. , for Glow sign Board.				
a	Primary Point	Nos.	2		

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2	POWER POINTS				
	Same as serial no.1, but wiring for 16 Amp, 6-pin sockets by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire with independent 1* 4.0 sq.mm earth wire from D.B. to first point 1 st socket and 1 st to 2 nd , socket with 2*2.5 sq.mm. and 1*2.5 earth wire including providing and fixing of 16 Amp, 6 –pin socket with 16 Amp. Switch. (Modular type switch/ socket/ plate etc. complete assembly) max 2 points per circuit.				
a)	Primary Point	Nos.	8.00		
b)	Secondary Point	Nos.	6.00		
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box(tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top.	Nos.	3.00		
3(b)	Same as serial no.1, but wiring for A/C socket by using 2*6 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*6.0 sq.mm. PVC insulated 1100 V grade copper conductor wire of weather proof type 2 way SPN DB complete in all respects controlled by with 40 Amp (10 KA) MCB to be provided near outdoor unit. The point starts from DB to the point near the outdoor unit.	Nos.	1.00		
3(b)	Same as serial no.1, but wiring for A/C socket by using 4*6 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*6.0 sq.mm. PVC insulated 1100 V grade copper conductor wire of weather proof type 4 way SPN DB complete in all respects controlled by with 40 Amp (10 KA) MCB to be provided near outdoor unit. The point starts from DB to the point near the outdoor unit.	Nos.	2.00		
4	COMPUTER POINTS				
a	Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular switch with all accessories, inner/ outer plates, metal box etc. and to be fixed on wooden partitions/ by grouting on wall etc. as per requirement at site. The switch should be fixed above the top of counter with indicator and sockets under the counter b) Same as above but looped from the above 1st point to 2nd , point and 2nd point to 3rd point. (Maximum 3 points in a circuit) c) Same as above but provide for television. (Maximum 3 points in a circuit)				
	Primary Points	Nos.	8.00		
	Secondary Points	Nos.	12.00		

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b	Wiring with 2x2.5 sq.mm + 1x2.5 sq.mm PVC insulated 1100 V grade multi stranded copper conductor wires in 2mmthick PVC conduit from UPS DB to computer point. Each point to have 2 nos. 16 amps 5 pin modular type sockets, 2 No's 16 amps modular switch with all accessories, inner/ outer plates , metal box etc and to be fixed on wooden partitions/ by grouting on wall etc as per requirement at site. The switch should be fixed above the top of counter and sockets under the counter. or as directed by the engineer incharge for the rack supply in server room, PA rack, CCTV, b) Same as above but looped from the above 1st point to 2nd point (Maximum 2 points in a circuit)				
	Primary Points	Nos.	2.00		
	Secondary Points	Nos.	1.00		
B.	CONDUITING FOR TELEPHONE, COMPUTER & CONDUITING, WIRING FOR T.V. SYSTEM.				
1.0	TELEPHONE SYSTEM				
1.1	Wiring for VOICE from Jack Panel in data rack to computer workstation with Cat-6 voice cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type. This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	13.00		
1.20	Supplying & fixing 20 pair krone tag block with enclosure.	Nos.	1.00		
2	COMPUTER NETWORKING				
2.1	Wiring for computer networking from Jack Panel in data rack to computer workstation with Cat-6 computer cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type, This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	16.00		
2.2	Supplying and fixing 9 U (Rack with glass door, opening in the front power panel 1 (horizontal), cable manager 1 lock & key).	Nos.	1.00		
2.3 a	Supply, Installation, Testing & Commissioning of 24 port Jack Panel.	Nos.	1.00		
2.3 b	Supply, Installation, Testing & Commissioning of 16 port Jack Panel.	Nos.	0.00		
2.4	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	Nos.	16.00		
2.5	Supplying and fixing Patch Cord-1 Meter-	Nos.	30.00		
3.0	Supply and fixing of 1.6 mm thick G.I. Box along with RG 6 T.V Co axial socket with Cover Plate.	Nos.	2.00		
4.0	Supply, drawing, connecting, testing and commissioning of T.V Coaxial cable RG 6 in existing conduit.	RM	100.00		

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
C.	CABLES, MAINS & SUBMAINS				
1	Supplying all materials and laying/ pulling 1100 volts grade PVC insulated copper conductor wires (FRLS) in MS conduit with all fixing accessories after cutting the floor, wall and the like etc. and replastering the floor level to original. Conduit must be 30 mm below the floor finish level.				
i	2 X 6 sq.mm. + 1 X 6 sq.mm.	RM	30.00		
ii	2 X 4 sq.mm. + 1 X 4 sq.mm.	RM	25.00		
vi	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 G.I wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (LIGHT DB) .	RM	15.00		
v	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 G.I wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (POWER DB,& UPS) .	RM	20.00		
vi	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 G.I wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (VTPN) .	RM	10.00		
v	Supplying, laying, testing & commissioning of 4 C X 35 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth G.I wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (DG MAIN) .	RM	50.00		
D.	DISTRIBUTION BOARD				
	Supplying, installing, testing & commissioning 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.				
	Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc. & 'D' curve for UPS DB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B,C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load.				
	Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A.				

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	UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link.				
	All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating.				
	Inside each DB, a DB chart is to be fixed.				
a	6-way TPN DB (LIGHT DB)	No.	1.00		
	Incomer:-				
	1 No. 32 Amp TPN (10 KA) MCB with 32 A 4P RCCB (100 MA) .				
	Outgoing:-				
	12 Nos.10/20 Amp (10 KA) SP MCB				
b	6-way TPN DB (POWER DB)	No.	1.00		
	Incomer:-				
	1 No. 40 Amp TPN (10 KA) MCB with 40 A 4P RCCB (100 MA)				
	Outgoing:-				
	12 Nos.10/20/25 Amp (10 KA) SP MCB				
c	8-way SPN DB (UPS INPUT)	No.	1.00		
	Incomer:-				
	1 No. 63 Amp TPN				
	Outgoing:-				
	2 Nos.40 Amp DP MCB				
d	4-way SPN DB with 2 No 32 A (10 KA) DP MCB FOR DB	No.	2.00		
e	12-way SPN DB (For UPS Sub DB)	No.	1.00		
	Incomer:-				
	1 No. 25 A DP RCCB (100 MA)				
	Outgoing:-				
	10 Nos.10Amp (10 KA) SP MCB				
f	4 -way V-TPN DB (AC)	No.	1.00		
	Incomer:-				
	1 No. 63 Amp 4 Pole (16 KA) MCCB				
	Outgoing:-				
	2 No. 40 Amp (16 KA) TP MCB				
	6 Nos.10/16/25/32 Amp (10 KA) SP MCB				
E	(LIGHT FITTINGS & ACCESSORIES)				
	Supplying, installation with hanging support, testing and commissioning of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete as per the directions of Engineer-in-charge (All LED Light Fixures should be covered with minimum 3 Years onsite replacement warranty).Philips,Wipro,Tisva,				
i	FULL GLOW 2 X 2 LED 36 W slim Smart Panel of make As specified in tender document or approved by SBI/Architect. Commercial pattern	Nos.	25.00		

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
ii	Supplying, fixing, testing and commissioning of 15 W LED commercial type down lighter of make As specified in tender document or approved by SBI/Architect. Commercial pattern	Nos.	40.00		
iii	Supplying, fixing, testing and commissioning of 9 W LED commercial type down lighter of make As specified in tender document or approved by SBI/Architect. (for passage Commercial pattern	Nos.	24.00		
iv	supplying , fixing ,testing and commissioning of 5 W LED commercial type spot light of make As specified in tender document or approved by bank . Commercial pattern	Nos.	3.00		
v	LED 18 watt Tube Light with all accessories.make As specified in tender document or approved by bank . Commercial pattern	Nos.	4.00		
vi	LED Ceiling Suspended Profile Light with all accessories.make As specified in tender document or approved by bank . Commercial pattern	Nos.	20.00		
vii	LED cove light necessary installation fittings. make as specified in tender document or approved by SBI/Architect. Commercial pattern				
a)	4' feet cove light	Nos.	20.00		
a)	3' feet cove light	Nos.	8.00		
a)	2' feet cove light	Nos.	8.00		
a	Wall mounted fans 400/450 mm dia. make As specified in tender document or approved by SBI/MS/Architect. AS PER BANK INSTRUCTION	Nos.	12.00		
B	Ceiling Fan1200 mm dia. make As specified in tender document or approved by SBI/MS/Architect. AS PER BANK INSTRUCTION	Nos.	1.00		
C	Supply & fixing of 230 mm exhaust fan with louvers and plastic body with all accessories etc. complete of make As specified in tender document or approved by SBI/Architect.	Nos.	3.00		

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F.	EARTHING SYSTEM				
1	Supply, Installation, Testing and Commissioning of Waterless Maintenance Free Earthing Based on Pre-Casted Conductive Earthing Electrode Work should be executed through either Bank approved agency. i) Dimensions Length x Dia (MM) : 2000 x 100 with 16mm Solid Conductor (Cu) ii) Conduction: Non Ionic Movement of Ions iii) Multi Point Dissipation Contacts iv) Exceeds Grade 25 Concrete v) Environment: Ph Neutral Internal Material vi) Relative Density: 890-990 kg/m3 vii) 3000 times more effective than Bentonite viii) Electrolytic Corrosion Resistance: >86% reduction in corrosion ix) Short Circuit Current (Tested): Peak: 40 KA RMS: 22 Kilo Amps for 1 Sec x) Mechanical Strength: >Grade 25 Concrete xi) High Fault Current Test Withstand: 1686 V for 500 ms xii) Standards: IEEE 80:2000 & BS 7430 xiii) Warranty: 10 Years Full Replacement xiv) Life of Earthing: 25 Years respectively xvi)				
i	T-39	Nos	2.00		
ii	T-19	Nos	2.00		
2	Providing and fixing of Copper strips in surface or in recess for loop earthing etc. as required.				
i	Copper Strip (PVC insulated heat shrinkable sleeves) of size 25 x 3mm as in earth continuity conductor fixed to wall or buried in ground or any other situation for loop earthing as required at site (Quantity depend on Site Requirement)	RM	30.00		
iii	Providing and fixing 2 X 8 SWG dia. Cu earth wire in PVC conduit on surface or in recess for earthing along with the existing surface/ recess cable as required. From pit to the panel & UPS	RM	60.00		
ii	25 mm x 5 mm GI strip	RM	5.00		
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.	RM	50.00		

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G.	MAIN PANEL AND METER BOARD				
	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/XLPE Cable 50Hz system suitable for fault level of required value symmetrical at 415V fabricated from 2 mm 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, GI earth strip of required size with 2 nos earth terminals, 1 nos 230V AC operated 250 mm X 250 mm size axial fans for exhaust of heat with On-Off toggle switches 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 (Supertech Power Control/Zeniya/Shwtech) or make as approved by architect/SBI.				
	All live accessible parts shall be shrouded and all equipment shall be finger touch proof. The busbars insulation shall be with heat shrinkable sleeves SMC/ DMC shrouds and busbar supports shall be used. Padlocking facility shall be provided on all outgoing feeders doors and switch handles shall be locable in OFF position.				
	Suitable arrangement shall be made for termination of multiple incoming cables.				
	All kA values indicated shall be Ics breaking capacity				
	GA drawings shall be got approved by SBI				
a.	Floor panel shall consists of : -				
	INCOMER FROM MAIN LINE				
	1 No. 160 Amps, TPN MCCB (25 KA) with extendible rotary handle each thermal over current, instantaneous, Short circuit release, Earth fault.				
	BUSBARS				
	200 amps TPN pole busbar chamber of suitable length with copper busbars. All busbars and interconnections shall be of suitable size copper strips.				
	INDICATING PANEL				
	Digital flush type class-1.0 accuracy multifunction meter showing V, A, PF etc. with 3 Nos. current transformers of 160/5A ratio. 10 VA Class-1.0 metering. - 1 sets				
	Red/Blue/Yellow three phase indicating lamps with SP MCB backup protection.				
	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,				
	INCOMER FROM MAIN PANEL BUS BAR				
	1 no. 125 Amp 4P On Load Change over switch with 1 No. 125 Amps, TPN MCCB (25 KA) with extendible rotary handle each thermal over current, instantaneous, Short circuit release, Earth fault.				

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	BUSBARS				
	150 amps TPN pole busbar chamber of suitable length with copper busbars. All busbars and interconnections shall be of suitable size copper strips.				
	INDICATING PANEL				
	Digital flush type class-1.0 accuracy multifunction meter showing V, A, PF etc. with 3 Nos. current transformers of 125/5A ratio. 10 VA Class-1.0 metering. - 1 sets				
	Red/Blue/Yellow three phase indicating lamps with SP MCB backup protection.				
	OUTGOINGS:-				
	4 Nos 63A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For PDB,UPS, & SPARE)				
	2 Nos 40A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For LDB)				
	1 Nos 40A DP MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For SIGNAGE)				
	The electrical panel as described above and specifications complete.	Set	1.00		
c	Supplying, installation, testing & commissioning of 20 KVAR, APFC Panel auto operation with 12 steps stage and power factor should be nearing unity complete as required including all contactors, relays, indicating units etc. as required at site". Capacitor make: ABB/ Siemens/ Neptune	Set	1.00		
	6 nos. of capacitor duty contactors				
	3 Nos. 5 KVAR MPP type heavy duty capacitor banks along with 3 Nos. 16A TP MCB of 10 KA service breaking capacity with heavy duty solid detachable neutral link				
	2 Nos. 2 KVAR MPP type heavy duty capacitor banks along with 2 Nos. 10A TP MCB of 10 KA service breaking capacity with heavy duty solid detachable neutral link				
	1 Nos. 1 KVAR MPP type heavy duty capacitor banks along with 1 Nos. 10A TP MCB of 10 KA service breaking capacity with heavy duty solid detachable neutral link				

S.No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE	AMOUNT
H	PUBLIC ADDRESS SYSTEM				
1	Supply, installation, testing and commissioning of following Philips/Ahuja/agni make Music Accessories / Equipments with Supply and laying Wiring of 1.5 sq mm twin core shelded type of speaker cable with Providing and fixing in position the following FRLS PVC conduits including all accessories concealed/exposed in F.Ceiling/Wall complete as required including 1.6/2.0 mm thick PVC junction or pull boxes with 3mm thick perspex sheet cover plate complete with 1.6 mm dia G.I. pull wires in the length of conduit.	Nos.	9.00		
2	Providing and fixing in position the following G.I. flexible conduits including all accessories				
a.	1.6mmwall thickness 20mm dia	RM	12.00		
b	Power Amplifier, 70 Watts with output transformer etc. complete. Plena Range or as approved by the Bank capale of taking Inputs from USB Also	Nos.	1.00		
d	6U Equipment Rack complete with monitor unit, speaker, power supply control etc. President make suitable for 1x70 watts amplifier system With all terminating set up.	Nos.	1.00		
	TOTAL			RS.	
I	SALVAGE				
	SALVAGE:- Dismantling and removal of all existing wires, cable, conduits, fans, lights, DB's, Panel etc. including making the area free fom all debris and complete site clearance to receive new works all complete as per the instructions of Bank's Engineer/ Architect				
1	Wirings/ DBs etc.	Lot	1.00		
2	Electrical Panel and other panel	Nos.	1.00		
3	Wall Fan/ceiling	Nos.	13.00		
4	Down lighter Fixture	Nos.	1.00		
5	2' X 2' Fixture	Nos.	4.00		
6	Tube ligths CFL type	Nos.	36.00		
	SALVAGE / BUY BACK			Rs.	
	TOTAL FOR ELECTRICAL WORKS AFTER LESS SALVAGE ITEMS			RS.	
Note:- The rates quoted includes all other taxes , duties , loading, unloading , transportation, other expenses etc to site. only GST will be paid Extra					