

NAME OF WORK: ELECTRICAL WORKS FOR THE ADDITIONAL SPACE AT 2ND FLOOR OF SBI HOME LOAN CENTRE, SOUTH KOLKATA UNDER AO SOUTH 24 PARGANAS

S. No.	Description	Unit	Qty	Unit Rate	Total Amount
1	DISTRIBUTION BOARDS:- Supply, installation and concealing/surface of following size MCB/MCCB/RCBO distribution boards with following combination of C curve-MCBs as required. The scope of work includes supply of blanking plates for Vacant slots.				
1.1	AC DB 3 phase 4 way Ekinox ³ TPN DB-VTPN DB's for DX ³ MCB, IP 43 - #IK 09 with metal Double door:- (1) 63A, 4P, MCB-1 no (input from PDB) (2) 63A, 4P, 100mA, RCCB-1 No (Input) (3) 32A, 3P, MCB-02 No (cassette Acs) (4) 6-32A SP, MCB-3 No (cassette/ split Acs)"	No	1		
1.2	LIGHTING & RAW POWER DB 7segment 4 way DB's IP 43 - #IK 09 with Double door. (1) 32A, 4P, MCB-1 No (Input from MTS DB) (2) 40A,100mA, 2P RCCB-2 No (Input for RP & AC) and 40A, 30mA, 2P RCCB-1 No (3) 25A, SP, MCB-4 No (5) 10A, SP, MCB-4 No (6) 6A, SP, MCB-4 No	No	1		
1.3	"MCB WITH ENCLOSURE FOR CASSETTE AC(1 PH) SITC of 20A 2 pole MCB in a suitable weather proof enclosure for cassette ACs"	No	4		
1.4	"MCB WITH ENCLOSURE FOR CASSETTE AC(3PH) SITC of 32A 4 pole MCB in a suitable weather proof enclosure for cassette ACs"	No	1		
2	UPS & RELATED DBS				
2.1	UPS INPUT DB: DP/TP/FP Metal enclosure with 1 no of 63A DP MCB for 2 to 5 KVA UPS.	No	1		
2.2	UPS OUTPUT DB DP/TP/FP Metal enclosure with 1 no of 32A DP MCB	No	1		
2.3	UPS DB IN BM CABIN SPN 8 way IP 43 - #IK 09 with metal Double door DB for UPS sockets. The scope of work includes supply & fixing of following MCBs: (1) 32A DP MCB-1 No, (2) 6-10A SP MCB-6 No	NO	1		
2.4	UPS DB IN BANKING HALL SPN 12 way IP 43 - #IK 09 with metal Double door DB for UPS sockets. The scope of work includes supply & fixing of following MCBs: (1) 32A DP MCB-1 No, (2)6-10A SP MCB-10 No	No	1		

3	ARMoured CABLES FOR DB INPUT, CASSETTE ACS & UPS INPUT DB:- Supply,Laying, Testing and commissioning of 1.1 KV grade XLPE insulated armoured aluminium/copper conductor cable of the following size including laying in trenches, cable trays, on wall including claming and including civil works etc complete as per IS 7098 - Part 1 - 1983. The scope of work includes supply & laying of 2 runs of 8 SWG GI wire along with the cable				
3.1	4C X 16 SQMM ALU CABLE	RMT	40		
3.2	3.5C X 35 SQMM ALU CABLE for PDB, AC DB	RMT	20		
3.3	3.5C X 25 SQMM ALU CABLE for LDBs & MTS to MS	Rmt	60		
3.4	4C X 6 SQMM CU CABLE for AC ODU	Rmt	10		
3.5	4C X 4 SQMM CU CABLE FOR ATM / AC ODU	Rmt	40		
3.6	3 C X 4 SQMM CU CABLE for UPS and AC ODU	Rmt	90		
4	TERMINATIONS: Termination of the following cables with double compression(DC) cable glands and also with suitable size aluminium/copper lugs including supply and fixing of Lugs.				
4.1	4C X 16 SQMM ALU CABLE	No	4		
4.2	3.5C X 35 SQMM ALU CABLE	No	4		
4.3	3.5C X 25 SQMM ALU CABLE	No	4		
4.4	4C X 6 SQMM CU CABLE	No	4		
4.5	4C X 4 SQMM CU CABLE	No	6		
4.6	3 C X 4 SQMM CU CABLE	No	6		
5	UPS INTERNAL WIRING				
	Supply , laying and dressing of following 1.1KV XLPE Insulated, PVC tape/PVC Extruded Innersheathed for Multicore copper flexible Cables , extruded PVC Type ST2 Sheathed, 650/1100 V grade as per IS 7098 (Part 1) 1988. The scope of work includes laying of cable in a suitable metal hose flexible pipe .complete the work as directed by the SBI Engineer. The cable should be laid from UPS I/P to UPS I/P enclosure & UPS O/P to UPS ouput enclosure only.				
5.1	3 core X 4 sqmm coppe flexible cable	Rmt	30		
6	AC WIRING				
6.1	SPLIT AC WIRING:- Supply and Fixing of 20 A DP MCB fixed on a suitable module metal box including all interconnections as required. (for High Wall Spli ACs) along with supply & laying of 3C * 4 sq mm copper armoured cable concealed on wall/ Ceiling etc as required. The wires should be conforming to IS 694 (with latest amendments).The scope of work includes wiring from AC DB to DP MCB to AC unit .	No	2		
7	GLOW SIGN BOARD:- Supply & laing of 3core 1.5sqmm Copper flexible Cable in a suitable FRLS PVC pipe for Glow Sign Board including all terminations	Rmt	20		

8	EMERGENCY LIGHTING(UPS SUPPLY) Supply & laying of 3 core 1.5 sqmm copper flexible cable in a suitable FRLS PVC pipe for emergency lighting. The scope of work includes supply & fixing of 2A DP MCB in a suitable enclosure. No of points :One primary point & two secondary points. The scope of work extends to supply & fixing of 3 no of square type 15 watts recess mounted LED lights also.	No	1		
9	LIGHT & FAN POINT WIRING:- Point Wiring for Light/fan point with 3X1.5 sqmm copper conductor FRLS insulated 1100v grade multi strand wires (P+N+E) in concealed/ surface using 20/25/32 Medium duty FRLS PVC conduit 16swg thick with all bend, tees, saddle mounting box, cover plate, ceiling rose, etc. complete as required etc. The scope of work includes the circuit wiring from DB to point control box /switch box using 3x2.5 sqmm copper conductor FRLS insulated 1100V grade multistrand wire (P+N+E) in FRLS PVC conduit 16 swg thick complete in all respect. Each circuit shall have separate earth wire. All switch socket must be modular type with M.S. Boxes and plate etc. as required. (Switch & Sockets:MK: Honeywell or equivalent for other Makes)				
9.1	Primary points	No	49		
9.2	same as the above secondary point (only one secondary point on the primary point)	No	13		
9.3	one switch controlled by three lights	No	2		
9.4	Call bell points for the cabins including supply of call bell as required	No	1		
10	MODULAR SOCKETS: Supply and fixing of switch(s) & socket(s) fixed on a suitable module metal box(16 gauge) and white front plate (Modular type) including all interconnections as required and blank plate has to be provided if necessary. The scope of work extends to Supply and wiring with 2runs of 4.0 sq.mm & one run of 2.5sqmm 1100 V grade PVC insulated multi strand FRLS copper conductor wires conforming to IS 694 (with latest amendments) in suitable size FRLS PVC CONDUIT of 2mm thick concealed in the above ducts in the floor and supply of all fixing materials and accessories, interconnections complete as required for the UPS/ raw power sockets in the single window counters and officer tables.(Switch & Sockets:MK:Honeywell or equivalent for other Makes)				
10.1	PRIMARY POINT: RAW POWER 1 no of 6/16A socket with 1 no of 16A switch For power point in banking hall cooler, Kitch	No	4		
10.2	PRIMARY POINT: RAW POWER 2 nos of 6/16A socket with 2 no of 16A switch For Kitchen	No	2		

11	Supply and fixing of switch(s) & socket(s) fixed on a suitable module metal box(16 guage) and white front plate (Modular type) including all interconnections as required and blank plate has to be provided if necessary. The scope of work extends to Supply and wiring with <u>3runs of 2.5 sq.mm</u> 1100 V grade PVC insulated multi strand <u>FRLS copper conductor wires</u> conforming to IS 694 (with latest amendments) in suitable size FRLS PVC CONDUIT of 2mm thick concealed in the above ducts in the floor and supply of all fixing materials and accessories, interconnections complete as required for the UPS/ raw power sockets in the single window counters and officer tables. (Switch & Sockects:MK:Honeywell or equilent for other Makes)				
11.1	PRIMARY POINT- RAW POWER 1nos6/16A Socket and 1nos 16A switch (Rawpower point switch and socket to be installed ina metal box) . The scope of work extends supply of <u>3 meter length of flexible 3core 2.5sqmm multi core copper cable</u> one end connected to <u>plug top 16A</u> and the other connected to the SB inside and a suitable hook arrangment as required for hanging the cable required for Record rooms & Safe room , LOCKER room, Strong room, stationary room(Independent Circuits)	No	2		
11.2	PRIMARY POINT:UPS POWER <u>4nos. 6A sockets</u> with <u>1 no 16A switch</u> for NET WORK RACK, CCTV etc)	No	2		
12	Supply and fixing of switch(s) & socket(s) fixed on a suitable module metal box(16 guage) and white front plate (Modular type) including all interconnections as required and blank plate has to be provided if necessary. The scope of work extends to Supply and wiring with <u>3runs of 1.5 sq.mm</u> 1100 V grade PVC insulated multi strand FRLS copper conductor wires conforming to IS 694 (with latest amendments) in suitable size <u>FRLS PVC CONDUIT</u> of 2mm thick concealed in the above ducts in the floor and supply of all fixing materials and accessories, interconnections complete as required for the UPS/ raw power sockets in the single window counters and officer tables. if these sockets are mounted in SB (along with point wiring) we will treat it as on board socket. (Switch & Sockects:MK:Honeywell or equilent for other Makes)				
12.1	PRIMARY POINT:UPS POWER <u>4nos. 6A sockets</u> with <u>1 no 16A switch</u> (Switch shall be fixed above the table and sockets shall be fixed below the counter OF BM, SWO, field officer, Grahakamitra, Cash officers, gold loan, etc)	No	18		
12.2	PRIMARY POINT: RAW POWER <u>2nos 6A SocketS</u> with <u>1 No of 6A switch</u> (Raw Sockets)- for counters(Switch & Socket should be mounted above the table	No	8		
12.3	SECONDARY POINT: RAW POWER (2 X6A socket & 1 X6A switch) same as above but looped from nearest point (Primary point to Secondary point) from counter to counter	No	8		

12.4	PRIMARY POINT:UPS/ RAW POWER <u>2 nos of 6A socket</u> with <u>2 no of 6A switch</u> for display,coin vending machine, pass book printing	No	5		
12.5	PRIMARY POINT: UPS/RAW POWER <u>1 nos of 6A socket</u> with <u>1 no of 6A switch</u> for fire panel	No	5		
13	Supply and fixing of switch(s) & socket(s) fixed on a suitable module metal box(16 guage) and white front plate (Modular type) including all interconnections as required and blank plate has to be provided if necessary. (Switch & Sockets:MK:Honeywell or equilent for other Makes)				
13.1	ON BOARD SWITCH & SOCKET <u>1 no of 6A socket</u> with <u>1 no of 6A</u> switch and it should be fixed in the switch board -RAW POWER	No	6		
13.2	SOCKET FOR WALL MOUNTING FAN <u>1 no of 6A</u> socket 3" below the false ceiling for wall mounting fan - RAW POWER	No	10		
14	TELEPHONE WIRING				
	POINT WIRING Supply, installation, testing and commissioing of high Conductivity Solid Annealed Bare Copper industrial 0.5mm dia Telephone (Switchboard) Cables with High Density Polyethylene Insulation, Paired, Polyester and Sheathed with High Oxygen Index, Fire Retardant, PVC Compound, Grey Outer Sheath generally conforming ITD Specification. the scope of work inclusive of all fixing accessories & laying in a suitable ISI medimum PVC conduit. The scope of work extends to Supply and Fixing of modular type RJ11 Telephone outlet with anodized GI box and front plate complete as required.				
14.1	2 pair	No	4		
15	KRONE ENCLOSURE				
	Supply, installation, testing & commissioning of Telephone krone in an MS powder coated enclosure for the following sizes..				
15.1	10 PAIR KRONE	No	3		

16	FIXTURES/FANS(All light fixtures and fans to be supplied COMMERCIAL MODELS only)				
	Supply & Installation of following type direct/ indirect type recess/surface/ wall mounted light fixtures. The fixtures shall be installed including supply and wiring between Ceiling rose to fixture with supply and laying of 3core 1.5Sq.mm copper flexible cable and fixing of Lamp with all required accessories, support chains & interconnections etc. including cost and conveyance of all materials, taxes and all labor charges etc., complete.				
16.1	Supply & Installation of 15W Led down light fixture. (Havells:- Integra neo 15W or DN296B LED15S 6500K in Philips or equivalent) including cost and conveyance of all materials, taxes and all labor charges etc., complete.	No	16		
16.2	Supply & Installation of 33-36W 2X2 LedLight fixtures (Havells - PLANO2X2PLR36WLED857S / VENUSNEOHE2X2PLR34WLED8XXS or CROMPTON: LCTLRNE-36-FO-CDL or Philips RC 375B30S 6500K or Equ) including cost and conveyance of all materials, taxes and all labor charges etc., complete. Weight of the light should not be on the grid/ Gypsum ceiling. light has to be fixed with the help of GI/chain wires and to the anchored to the ceiling.	No	21		
16.3	Supply & Installation of 610x610 LedLight fixtures Frames including cost and conveyance of all materials, taxes and all labor charges etc., complete.	No	6		
16.4	Supply & Installation of 9-12W T5 led Light fixtures and giving connections and all labour charges etc., complete for erection. (LUMILINEBS9WLED857SPCWH - Havels or BN021-12S in Philips or Equal)	No	4		
16.5	Supply and Installation of 18-20W T5 fixtures SURFACE type with all interconnections and fixing arrangement as required. (LUMILINEBS18WLED857SPCWH - Havels or BN021-21S in Philips or CROMPTON: LDL-20-CDL or equivalent)	No	10		
16.6	supply & fixing of 20 watts per meter rope lights	Rmt	40		
16.7	Supply and Installation of adjustable holder type LED Light fittings of 15 / 20 W (Warm Color) in Philips or equivalent in Havells / Crompton along with adjustable holder	No	3		
16.8	Supply & Installation of single color 15 to 25mm width of 900 lumens/meter (warm white 2800K light / any other approved color) Flexible LED Profile light including required rated driver/power supply in multiples of 1 RTMs as approved by the client/Engineer along with all necessary hardware & accessories etc complete as required,	Mtrs.	30		
16.9	WALL MOUNTING FANS Supply and Fixing of 18 inch metal(body & Blades) wall mounted fans with 3 pin socket, fan body should be earthed if 3 pin socket not available in the market .(BM,counters,Server RM, Field Officer,), Make: Storm model in CG or equivalent	No	5		

17	EXHAIST FAN:- Supply & Installation of fresh air exhaust fan 50W of light duty 300mm size (12"), Metallic body & blades, wire mesh, bird louvers etc. including cost and conveyance of all materials, taxes and all labor charges etc., complete for erection	No	1		
17.1	CEILING FAN:- supply & Fixing of 1200mm sweep BLDC 5 star High speed ceiling fan with electronic step regulator in suitable locations as required. And Supplying of double anchor fastener hooks and down rods, complete in all respects as directed by Bank. CG/ Havells	No	4		
22	Earthing:				
22.1	COPPER EARTHING: Providing independent earthing for sophisticated electronic equipment with 600 mm x 600 mm x 3.5 mm thick copper plate rigidly fixed to 40 mm dia G.I. pipe of 3 mtr length connected with reducer providing .GI. funnel with wiremesh as per national electric code including C.C. Chamber of size 400 mm x 400 mm x 400 mm covered with RCC slab filling with salt and charcoal giving earth connection from electrode copper strip 2 runs of 50 mm x 6 mm x 3000 mm length with all accessories and labour charges complete, as per IS specifications 732/1982 (Part II)	No	0		
22.2	GI EARTHING: Providing independent earthing for important equipment with 40 mm dia "B" class 2.5m long G.I pipe and 19mm dia "B" class G.I pipe of 0.3 mtr. Long connected with reducer providing G.I. funnel with mesh enclosed in C.C. Chamber of 400mm x 400 mm x 400 mm with RCC slab cover duly providing staggered holes filling with salt and charcoal from the bottom of the pipe giving earth connection from electrode through G.I. strip 2 runs of 50 x 6 mm x 3000 mm length with all accessories and labour charges complete, as per IS specifications 732/1982 (part II)	No	1		
22.3	Supply and laying of 8SWG Cu bear conductor in 20mm dia rigid pvc conduit For Body	Rmt	60		
22.4	Supply and laying of 25*3 mm hot dipped GI flat	Rmt	40		
22.5	Supply & Laying of 100mmX 25mmX 5mm Copper strip with supporting insulator and holes	no	1		
22.6	Supply & Laying of 100mmX 25mmX 6mm GI strip with supporting insulator and holes	No	1		
23	ELECTRICAL SAFETY & INDICATION ITEMS				
23.1	Supply & Installation of 3 no of 3watts(R,Y,B) bulbs in a suitable enclosure For indicating the electricity board supply. The scope of work includes wiring from DB.	No	1		
23.2	"Supply & laying of ISI marked Electrical Insulating dotted floor mat of dimension 2000 x 600mm 12mm thick in Electrical / UPS room -IS 15652:2006"	No	1		
23.3	"Preparing single line diagram for power & LAN (from source to end point), lamination(A3 size) & installation on wall and submit the soft copy of autocad & PDF formats."	Job	1		
23.4	"Supply & installation of Laminated Electrical Shock Treatment Chart (50x75cm) in UPS / Electrical Room."	No	1		
23.5	Danger Boards (English, Telugu & Hindi languages)	Each	1		
23.6	First Aid kit with complete set of medicines	Each	1		

23.7	"Arrangements of temporary power, Lighting, UPS wiring etc without effecting the operation of the branch working hour.Liasioning with the supply authorities and other Government bodies for enhancement of power load . If any official fee payable to Telangana Power Distribution company will be reimbursed by the Bank. Meaning of Temporary POver: vendor has to lay suitable copper flexible cable from UPS/ raw power to counters with a protection of ELCB and laying of LAN cable also". The scope of work includes removing of old wiring, disposal of the same from the premises.	No	1		
23.8	SITC of 32A 4 pole MCB in a suitable metal enclosure	No	1		
23.9	SITC of 8Module Popup box with 2 Nos of 6A Socket and switches and 2 Nos. of data point for Conference table	No	2		
24	BUY BACK (Amount to be paid to the Bank)				
	Removing and taking away on as is where is basis of the following items from the branch with prior approval of the Bank after making payments.				
a	2X2 light fittings / Down Lights	No	-5		
b	Tube light fittings	No	-5		
c	Wall fans / Ceiling fans	No	-4		
d	cables & old DB unused	LS	-1		
	GRAND TOTAL AMOUNT (Excluding GST)				