ABSTRACT SHEET FOR ELECTRICAL RENOVATION WORK'S OF BLOCK- D1 & D2 (GROUND & FIRST FLOOR) AT SBFI CHETNA INDORE. ABSTRACT SHEET S.NO ITEMS AMOUNT BLOCK- D 1 & D2 (GROUND & FIRST FLOOR) TOTAL AMOUNT FOR ELECTRICAL WORK GRAND TOTAL ELECTRICAL WORK

GROUND FLOOR 1 ELECTRICAL WIRING 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) PVG 650V/1100V Grade FRLS WIRE insulated copper conductor single core multi strended wire in 15 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 requirement with suitable Modular Switches/Sockets with plate and Meta/PVC box, Scaddle, angle bracket (if required), 3 plate ceiling rose/bulb holder etc. The floor/roof/wall junction box shuold be of MS(heavy duty) box of suitable size and covered with Steel finish Steel cover sheet by screw tight and gasket to avoid water/dust insertion. The item includes Circuit wiring from DB to the switch board with 3x2.5 Sq.MM. The above wiring carried out surface or recess in wall/floor/roof should be cutting by cutter/chiesling, replastering, curing, painting with uniform and smooth finish by specilised workman ship and making the surface neat afterwards complete in all respect as per direction of Bank Eng. (EACH Circuit to take NOT MORE than 7-8 points) The conduit/ Flexible conduit/junction box/marel modular box etc must be joined by gland and check nut at both ends. (each circuit to be controlled by one MCB). The colour code of wire are as under: Phase- Red, Neutral- Black, Earth-Green Make of Material for items of BOQ: (i) Modular Type Switch/socket/step electronic fan regulator, plate, box, TV/teleplone, bulb holder/3 pin ceiling rose with all accessories: Lergand/ Anchor(Roma)/MK/ Grabtree (ii) MS conduit/PVC conduit with all accessories: BEC/AKG/MIC/Precision (iii) PVC insulated copper wire(FR) 650V/1100 V grade: Finolex/RR cable/ Havells One light points controlled by one 6 amp. Modular switch. Nos								
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b Two light points controlled by one 6 amp. Modular 40 Nos			000	<u> </u>				
	a	One light points controlled by one 6 amp. Modular switch.	300	Nos.				
	h	Two light points controlled by one 6 amp Modular	40	Nos				
			.0	1,103				

S.No	Description of items	Qty	Unit	Rate	Amount
C.	Providing and fixing of ceiling fan point controlled as under (i) one 6 amp switch (ii) one no stepped electronic regulator of two module type.	28	Nos.		
d	providing and fixing 6 Amps Plug Points with same specs as above and install along with same light switchboard	80	Nos		
2	6 AMP. POINTS ON SEPARATE BOARD: Supply, fixing, testing and commissioning of 1 No 6 A Multi Socket with 1No. 6 A switch (Modular type) with cover plate, sheet steel box / PVC modular box etc on surface / 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. (Minimum two and Maximum three points are loop with one circuit as mentioned beolw)	40	Nos		
3	Power Wring (6 / 16 AMP. POWER POINTS). Supply, fixing, testing and commissioning of 1 No 16 A switch & 1 No.six pin 6/16 Amp. Multi Socket (Modular Type) with cover plate, sheet steel box etc on surface / 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. (Maximum two points are loop with one circuit as mentioned below)	40	Nos		
4	SPECIAL POINTS: (For Computers). Supply, fixing, testing and commissioning of following Modular type switch socket with cover plate, PVC modular box on Surface / sheet steel box in concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as per site requirement and as directed. 2 Nos. 6 A Switch + 3 Nos. 6 A, 3 pin Socket (Minimum two and Maximum three points are loop with one circuit as mentioned beolw)	40	Nos		
5	BED SIDE POINTS. Supply, fixing, testing and 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 + 2 Nos. 6 A, 3 pin Socket (Minimum two and Maximum three points are loop with one circuit as mentioned beolw)	40	Nos		

S.No	Description of items	Qty	Unit	Rate	Amount
6	MASTER SWITCH POINTS (NEAR THE DOOR OUTSIDE)- Supply, fixing, testing and 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. 3 NOS DP SWITCH OF 32 AMP WITH INDICATOR, 1 NOS SWITCH OF 16 AMP WITH INDICATOR, 1 BELL POINT	20	Nos		
7	AC/Geyser (Single Phase Point). Supply, Installation, Testing and commissioning of the surface / recess mounting A.C. / GEYSER power point with the followings: Metal Plug and Socket DBs with one Nos 20 Amp SP MCB, 20 Amp plug and socket with complete Enclosur plate and box 1 set i/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as required as per site requirement and as directed by Bank Engineer. OR Modular 32A DP 1 way switch with plate & box 1 set. + 25A & 10A twin socket (Only one point is connected with one circuit as mentioned below)	24	Nos		
8	CIRCUIT WIRING:(FRLS WIRE) Supply, installation, testing & commissioning of FRLS circuit wiring measured in numbers with suitable size of MS conduit 1.6 mm thick and 25mm dia. The wiring in MS conduit is as per IS code. The average length of wiring around between(25-30) Mtr.				
8A	3 X 1.5 sqmm (For UPS Circuit per room) in suitable size of 16 SWG (MMS) steel conduit as per IS code(1 Ckt per room)	50	Nos		
8B	3 X 2.5 sqmm (For Light Circuit per Room) in suitable size of 16 SWG (MMS) steel conduit as per IS code.	44	Nos		
8C	3 X 4.0 sqmm (For AC/Power Circuit) in suitable size of 16 SWG (MMS) steel conduit as per IS code.(2 Ckt per room- 1 for AC and 1 for Geyer/Power/5 amp)	72	Nos		
9	OTHER FRLS WIRING, As Per Requirment.				
(b)	3 X 1.5 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.	120	R.Mtr		
(c)	3 X 2.5 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.	120	R.Mtr		
(d)	3 X 4 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.	120	R.Mtr		
(f)	3 X 6 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.(UPS)	200	R.Mtr		

S.No	Description of items	Qty	Unit	Rate	Amount
10	DISTRIBUTION BOARDS	-			
	All MCB to be "C" series				
	Supply, installation, Testing and commissioning of the surface/recess mounting following ways MCB DB's 230/415 Volts with tinned copper busbar, neutral bar, earth bar, din bar detachable gland plate, interconnection and making good all the damages, painting, cleaning the site etc complete as required as per site requirement. All MCCB has braking capacity is 25KA and ALL MCB/ELCB has breaking capacity has 10 KA. Make of Materials Panel- As per IS Standards/CPRI Tested. DBs/MCCB/MCBs-Legrand/Siemens/Hagger/Schneider only (Note:- Before Placing the Panel order, firstly it Passed by The Bank Authority, otherwise it will not considered)				
	Supplying, installation, testing and commissioning of indoor type, sectionalised, compartmentalized, MV Panel board of suitable size fabricated from CRCA sheet of 2 mm thick for frame work,enclosure and doors, 3 mm thick for gland plates with stiffers where required, having vibration free structure chemically treated with seven tank process before painting for surface treatment and powder coated,with aluminum busbar with DMC / SMC busbar supports suitable for 3 Phase 415 V 50 Hz AC supply i/c providing and fixing the following switchgear mounted thereon complete with gaskets and interconnections, connection as per specification complete as required. (The board shall be dust & vermin proof with suitable degree of IP protection) NOTE: All switchgears Ics shall be equal to 100% Icu. Sheet 14 swg: panel sides,upper,lower,and Ft.doors Sheet 16 swg: back side and compartments. Glande plates: 3 mm thick. Cable entry: Provision at bottom and upper sides. The above panel belongs following as under: A. 4 Nos. 400 Amp. Electrolytic grade Aluminum Bus Bars insulated with colored Heat Shrinkable PVC Sleeves & duly supported on SMC/DMC molded supports with Antitracking barriers.				

S.No	Description of items	Qty	Unit	Rate	Amount
а	INCOMING SWITCHGEARS: (RYB LED Indicators) LIGHT/POWER CONNECTED TO DG SETS (i) 1 No. FP.160 Amp, 25 KA MCCB with thermal magnetic trip unit WITH Digital Voltmeter, Digital Ammeter and Energymeter sutiable size of CTS, selector switches etc. OUTGOING SWITCHGEARS WITH 200 AMP AL. BUS BAR (i) 2 Nos- 125Amp TP MCCB (ii4 Nos 63 amp TPN MCB (Note:- Before Placing the Panel order, firstly it Passed by The Bank Authority, otherwise it will not considered)	2	Nos		
b	Providing & fixing 6 way vertical load line double door D.B for AC/Power with 100 Amp. TP MCCB incomer and outgoing to be 8 Nos 32 amp SP MCB (Ground Floor)	4	Nos		
C.	Providing and fixing 6 way TPN double door DB for LIGHT POINTS & 5 amp switch socket with 63 Amp TPN, controlling 8 Nos. 16/32 Amps SPMCBs. & Complete.	4	Nos		
D.	Providing and fixing (12) way SPDB double door type For UPS points with 1x32 Amps DP, controlling 10 Nos, 16 AMP SPMCB	4	Nos.		
E	Providing and fixing (8) way SPDB double door type For Light DB only for Emergency Lights like glow sign etc with 1x32 Amps DP, controlling 6 NO.10 A./16 AMP SPMCB	4	Nos.		
f	Providing and fixing (6) way TPN double door type For UPS INPUT with 1x63 Amps TPNand 32 amp DP MCB- 12 DP MCB	4	Nos.		
g	Providing and fixing of 4 way TPN enclosure with 63 amp TPN complete in all respect.	4	Nos		
11	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				
	3.5 X 90 Sq.mm XLPE. Al. armoured Cable(Main cable)	160	Mtr		
	3.5 X75 Sq.mm XLPE.Al.armoured Cable (AC/POWER)	110	Mtr		

S.No	Description of items	Qty	Unit	Rate	Amount
i)	4X 25 Sq.mm XLPE.Al.armoured Cable (LIGHT/UPS)	110	Mtr		
12	EARTHING				
(i)	COPPER PLATE EARTH STATION: Preparation of the Plate Earth Station:(As per IS:3043) (a) Excavation of hard rocky earth, soft murrum, hard murrum etc and back filling with black cotton soil for the earth station, the earth pit size is 1000 mm X 1000 mm X 2500 mm. (b) Supply and fixing of Copper Plate of Size 600 mm X 600 mm X 3.0 mm thick. (c) Fixing of 50 mm X 6 mm, 3 Mtrs copper strips from Copper Plate to earth terminal including brazing/welding at plate etc. (d) Supply and laying in position 19 mm, 2 Mtrs G.I "B" Class pipe for watering with reducer/funnel with mesh. (e) Supply and Fixing of the following in the earth station. (i) 75 Kg. Charcoal. (ii) 15 Kg. Original Salt. (iii) Black Cotton soil of adequate amount. (f) Construction of earth pit chamber including necessary brick work concrete, plastering, S/F of C.I Cover of size 12" X 12" complete as per site requirment.	4	Nos		
(ii)	G.I.PLATE EARTH STATION: Preparation of the Plate Earth Station: (as per IS:3043) (a) Excavation of rocky earth, soft murrum, hard murrum etc and back filling with black cotton soil for the earth station, the earth pit size is 1000 mm x 1000 mm x 2500 mm deep. (b) S/F of G.I. plate of size 600 x 600 x 6.0 mm thick. (c) S/F fixing 50 mm x 6 mm, 3 mtrs G.I, strips from G.I.plate to earth terminal including brazing / welding at plate etc. (d) Supplying and laying in position 19 mm, 2 mtrs G.I. B' class pipe for watering.with reducer/funnel with mesh. (e) S/F of the following in the earth station. 75 Kg. Charcoal, 15 Kg. Original Salt. and Black Cotton soil of adequate amount. (f) Construction of earth pit chamber including necessary brick work concrete, plastering, S/F of C.I. Cover of size 12" x 12" complete as per site req.and marking its value and identification etc.	4	Nos		

S.No	Description of items	Qty	Unit	Rate	Amount
(iii)	Providing and fixing Copper/GI strip as per specification compete including connection to earth electrode revetting/sweating/soldering, burying 15 cms below in all types of soil/rocks etc complete as requiued. .(a) Copper Strip 25 X 5 mm	40	Mtr.		
	(b) G.I.Strip 25 X 5 mm	50	Mtr		
(iv)	Supply and laying of 10 Sq.mm 650V/1100 V PVC grade insulated copper wire in 15 mm G.I. Pipe ISI grade including all accessories complete as required. (Dedicated Earthing for UPS output DB only)	50	Mtr.		
13	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 35 meter length or less as per site condition with shutter modular type Telephone Outlets (RJ — 11) wth suitable size MS / PVC modular boxes and it laying, fixing, testing and commissioning in suitable size 20/25 mm dia,16 SWG (Medium Gauge) thickness rigid PVC conduit with conduit accessories like bend/junction box/cover plate/sheet steel/PVC box on surface/ concealed manner i/c electrical connections and making goods all the damages,replastering, painting, cleaning the site etc complete as required as per site condition. The floor/roof/wall junction box shuold be of MS(heavy duty) box of suitable size and covered with Steel finish Steel cover sheet by screw tight and gasket to avoid water/dust insertion. Make of Material:- Delton/Finolex/RR cable	20	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	4	Nos		
(iii)	Supply, installation, testing and commissioning of the following size jelly filled armoured tehephone cable. 20 pair	80	Mtr		

S.No	Description of items	Qty	Unit	Rate	Amount
14	DATA CABLING FOR LAN				
a	Providing, fixing, testing and commissioning of all nodes of four pair UTP CAT 6 LAN cables length upto 30 meter length 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	40	Nos		
b	Providing and fixing Patch Panels 24 port (100 base TX) CAT 6 patch/jack panel with connector, out lets and necessary connectivity complete as required & (D-Link make)	4	Nos		
C.	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	4	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	40	Nos.		
ii)	for 2 Mt. long	40	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.	200	Mtr		

S.No	Description of items	Qty	Unit	Rate	Amount
15	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 respectcables length upto 30 meter length 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 all accessories with insulation displacement connectors etc and put the cable at terrace.		Nos		
16	Supply and installation of Vinyl sticker for on Electrical DBs like, "Switch Off at Night", Switch Off For Safety, etc	20	Nos		
17	Making & Providing of 3 sets of As built Drawing with coloured print for entier Electrical work (Power/UPS/Light/Data/Telephone/AC etc.) as advised by the Bank's Authority.		Lum sum		
	Description of light /fan fixture				
18.0	LED DOWNLIGHTER: 15 Watt, recessed mounted Square 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,		Nos		
19.0	LED surface DOWNLIGHTER: 9 Watt, recessed mounted Square 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,		Nos		
20	LED COVE/ STRIP LIGHT WITH ITS ELECTRONIC DRIVER(BLUE COLOUR):- Supply, installation, testing and commissioning of bright LED strip light with its electronic driver complete as required. PHILIPS, WIPRO, HAVELLS, CG		Mtr		
21	BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt PHILIPS/WIPRO/HAVELLS/CG	30	Nos		

S.No	Description of items	Qty	Unit	Rate	Amount
22	CEILING FAN:(DECORATIVE TYPE AS PER SAMPLE APPROVED BY BANK) 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	28	Nos		
23	EXHAUST FAN:- Single phase, 300mm sweep, 900 rpm, Plastic 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	20	Nos		
24	Mirror LED light 5 Watt- (Decorative Light as per Sample approved by Bank) PHILIPS/WIPRO/HAVELLS/CG	60	Nos		
25	Table Lamp LED type:- (Decorative Light as per Sample approved by Bank) PHILIPS/WIPRO/HAVELLS/CG	20	Nos		
26	Night Lamp LED type:- (Decorative Light as per Sample approved by Bank) PHILIPS/WIPRO/HAVELLS/CG	20	Nos		
27	GYSER				
	Providing and fixing 15.00 liter Gyser including all fitting , labour etc complete Make- Orien, Havells, Crompton Basic (Rate 8000/-)	20	Nos		

S.No	Description of items	Qty	Unit	Rate	Amount
28	Removal and dismentalling of all existing old wiring, switchgears, DBs, changeover, main switch, old casing capping, old wooden casing capping, all type of light/fan fixtures and kept them in good condition with in 200 meter of the premises in any location as per direction of Bank. Payment of whole work should be made after the complete removal and dismentalling of above said old wiring and switchgears and making all wiring/cabling/switchgears arrangements for smooth operation of Banking with taken care of all safety & precaution as per IS code & Indian Electricity Rule & as per CPWD norms.	2	Nos		
	(A) TOTAL FOR ELECTRICAL WORKS				
	SUMMARY:-				
	(A) TOTAL OF ELECTRICAL WORK				
	(.B) BUY BACK OF OLD LIGHT/FAN/ WIRING ETC (-)	-2	Job		
	TOTAL AMOUNT (A-B)				