

**PRICE OF ELECTRICAL AND AC WORKS 12 HOSTEL ROOMS & OFFICE, GROUND FLOOR, SBILD INDORE**

<b>S.No</b>	<b>Description of items</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
<b>1</b>	<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 streded 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 (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				
a	Providing and fixing of point wiring with above specifications. One light point controlled by one switch.	210	Nos.		
b	Providing and fixing of point wiring with same above specifications. Two light points to be controlled by one switch.	45	Nos		
c	<b>Two way switch:-</b> Providing and fixing of point wiring with above specifications. One light point controlled by two switch.	28	Nos		
d	Providing and fixing of ceiling fan point controlled as under	14	Nos.		
e.	providing and fixing 6 Amps Plug Points with same specs as above and install along with same light switchboard	45	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 l/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)	45	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 l/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	30	Nos		

4	SPECIAL POINTS : ( For Computers & TV ). 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)	36	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)	30	Nos		
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. <b>3 NOS DP SWITCH OF 32 AMP WITH INDICATOR, 1 NOS SWITCH OF 16 AMP WITH INDICATOR, 1 BELL POINT</b>	14	Nos		
7	<b>AC/Geyser (Single Phase).</b> Supply, Installation, Testing and 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. <del>OR Modular 32A DP 1 way switch with plate &amp; box 1 set</del>	14	Nos		
8	<b>CIRCUIT WIRING :(FRLS WIRE)</b> 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.				
8.A	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)	20	Nos		
8.B	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.	6	Nos		
8.C	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 Geyser/Power/5 amp)	30	Nos		
9	<b>OTHER FRLS WIRING, As Per Requirment.</b>				
(a)	3 X 1.5 Sqmm copper multistreand FRLS wire in suitable size of 16 SWG (MMS) steel conduit.	30	R.Mtr		

(b)	3 X 2.5 Sqmm copper multistread FRLS wire in suitable size of 16 SWG (MMS) steel conduit.	30	R.Mtr		
©	3 X 4 Sqmm copper multistread FRLS wire in suitable size of 16 SWG (MMS) steel conduit.	30	R.Mtr		
(d)	3 X 6 Sqmm copper multistread FRLS wire in suitable size of 16 SWG (MMS) steel conduit.(UPS)	150	R.Mtr		
<b>10</b>	<b>DISTRIBUTION BOARDS</b>				
	<b>All MCB to be "C" series</b>				
	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)				
a	Providing & fixing 6 way vertical load line double door D.B for AC/Power with 100 Amp. TP MCCB incomer and outgoing to be 18 Nos 32 amp SP MCB (Ground Floor)	2	Nos		
b	Providing and fixing 6 way TPN double door DB for LIGHT POINTS & 5 amp switch socket with 63 Amp TPN , controlling 18 Nos. 16/32 Amps SPMCBs. & Complete.	2	Nos		
c	Providing and fixing (12 ) way SPDB double door type For UPS points with 1x32 Amps DP, controlling 10 Nos, 16 AMP SPMCB	2	Nos.		
d	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	1	Nos.		
e	Providing and fixing (6 ) way TPN double door type For UPS INPUT with 1x63 Amps TPNand 32 amp DP MCB- 12 DP MCB	1	Nos.		
f)	Providing and fixing of 4 way TPN enclosure with 63 amp TPN complete in all respect.	1	Nos		
g	Providing and fixing of MS enclosure with 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.	1	Nos		
<b>11</b>	<b>CABLES</b>				
	Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE insulated (Heavy Duty)				
(i)	3.5 X 50 Sq.mm XLPE.AI.armoured Cable (AC/POWER)	175	Mtr		
(ii)	3.5 X 35 Sq.mm XLPE.AI.armoured Cable (AC/POWER)	150	Mtr		
(iii)	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.( <b>Dedicated Earthing for UPS output DB only</b> )	50	Mtr.		

12	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	10	Nos		
13	<b>TELEPHONE POINT</b>				
(i)	Two pair, 0.61 mm dia. 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 <del>damages replastering, painting, cleaning the site etc</del>	14	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	1	Nos		
(iii)	Supply, installation, testing and commissioning of the following size jelly filled armoured tehephone cable. 20 pair	20	Mtr		
14	<b>DATA CABLING FOR LAN</b>				
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 condition in 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.	18	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	1	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 necessary complete. 9 U wall mounted RACK	1	Nos		
d	Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complate with connector on both side.)				
i)	for 1 Mt. long	16	Nos.		

ii)	for 2 Mt. long	16	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	200	Mtr		
15	<b>TV POINT:-</b> Supply, installation, testing and commissioning of TV point(Modular) with RG-6 cable in the Medium Gauge 1.6 mm PVC Conduit with all accessories complete in all respect cables length upto 30 meter length or less as per site condition in 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.	15	Nos		
16	Supply and installation of Vinyl sticker for on Electrical DBs like, " Switch Off at Night" , Switch Off For Safety, etc	10	Nos		
17	Making & Providing of 3 sets of Asbuilt Drawing with coloured print for entire Electrical work (Power/UPS/Light/Data/Telephone/AC etc.) as advised by the Bank's Authority.	1	Lum sum		
	<b>Description of light /fan fixture</b>				
18	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)	60.00	Nos		
19	LED DOWNLIGHTER: 9 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	120.00	Nos		
20	LED LUMINAIRE:- 2' x2' (FULL GLOW TYPE) LED light fittings (600 X600mm) dimension suitable for grid/gypsum ceiling complete with its electronic driver as required per instruction of Bank's Model No are as under:- PHILIPS:- RC380B G2 LED 35S-6500 PSU OD WH LED (FULLGLOW)	8.00	Nos		
21	<b>LED COVE/ STRIP LIGHT WITH ITS ELECTRONIC DRIVER( BLUE COLOUR):-</b> Supply, installation, testing and commissioning of bright LED strip light with its electronic driver complete as required. PHILIPS, WIPRO, HAVELLS, CG	200	Mtr		
22	BOX TYPE LUMINAIRE: LED TUBE FITTINGS, 1200mm, 18/20 Watt PHILIPS/WIPRO/HAVELLS/CG	16	Nos		

23	<b>5 STAR, BLDC CEILING FAN</b> (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	15	Nos		
24	<b>WALL FAN:-</b> ( Only Metallic Body) Oscillating wall fan with regulator i/c connections etc complete as required as per approved make, Sweep 400/450 mm , RPM 1300 make are as under: CG/USHA/ ORIENT/HAVELLS	8	Nos		
25	<b>EXHAUST FAN:-</b> 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,	14	Nos		
26	<b>Mirror LED light 5 Watt-</b> (Decorative Light as per Sample approved by Bank) PHILIPS/WIPRO/HAVELLS/CG	28	Nos		
27	<b>Bed lamp for study purpose</b> movable 360 degree, wall mounted study light:- (Decorative Light as per Sample approved by Bank) PHILIPS/WIPRO/HAVELLS/CG	28	Nos		
28	<b>LED footlight:-</b> (Decorative Light as per Sample approved by Bank) PHILIPS/WIPRO/HAVELLS/CG	15	Nos		
29	<b>LED spot light/combo</b> for 3 watt for wall washer of cabinet for TV	70	Nos		
30	<b>Flood light LED:- 100 Watt</b> for badminton court with diffuser, pressure die cast aluminium housing, heat resistant glass, IP 65 protection & better optics for uniform distribution. PHILIPS, WIPRO, HAVELLS, CG	8	Nos		
31	Removal and dismantling of all existing old wiring, switchgears, DBs, changeover, main switch, old casing	1	Nos		
	<b>(A) TOTAL ELECTRICAL</b>				
<b>(.B)</b>	<b>AIR CONDITIONING WORK</b> Supply, installation, testing and commissioning of following AIR CONDITONERS as under. The Rate shall be inclusive of all taxes excluding GST. GST will be paid additionally by the Bank as applicable subject to GST Number. and system has complete one year warranty				

1	<p>Supply, installation, testing and commissioning of Higher Efficient models of <b>SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR CONDITIONERS 1.5 Ton</b> Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, ventilation and with remote control with Cool/Fan/Dry/Auto mode, sleep mode &amp; on/off timer with suitable thermostat. The rate should include installation charges after making appropriate changes in existing false ceiling. Heavy ready made/fabricated M S Stand to house the out door unit as per site conditions including carpentry work, minor civil work and material including copper piping of hard &amp; prime quality of min. 22 G upto 3 metres with class "o" Nitrile insulation 12mm , cabling from indoor to outdoor unit, heavy</p>	14	Nos		
2	<p>Supply, installation, testing and commissioning of Higher Efficient models of <b>SPLIT AC, FIVE STAR INVERTER RATING OF BEE AIR CONDITIONERS 1.0 Ton</b> Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying, Air Circulating, auto mode, auto swing, anti bacteria filtering, ventilation and with remote control with Cool/Fan/Dry/Auto mode, sleep mode &amp; on/off timer with suitable thermostat. The rate should include installation charges after making appropriate changes in existing false ceiling. Heavy ready made/fabricated M S Stand to house the out door unit as per site conditions including carpentry work, minor civil work and material including copper piping of hard &amp; prime quality of min. 22 G upto 3 metres with class "o" Nitrile insulation 12mm , cabling from indoor to outdoor unit, heavy gauge PVC drain piping with insulation as per site</p>	1	Nos		
3	<p>Supply and installation of soft &amp; prime quality of min. 22 G Copper pipe for " Split AC only" with class "o" Nitrile insulation of minimum 12mm for split air conditioner including interconnection power/ communication cable between indoor and outdoor unit as per site requirement. ( If required additionally, payment will made as per actual installtion. The rate inclusive of all chisel work, plastering, finishing, painting &amp; all civil related work pertaing to mentioned work. Make of Insulation:- Superlon/Aflex/Armacell/Kflex Make of cable:- Finolex/RR/Havells</p>	90	Mtr		

4	Drain Pipe ( If Required additional) Applicable to both ACs(Cassette & Split AC). Supply and laying of heavy gauge PVC drain piping of 40mm with insulation as per site requirement with its all accessories like bend, solution etc as per site condition. The rate inclusive of all chisel work, plastering, finishing, painting & all civil related work pertaining to mentioned work. ( If required	140	Mtr		
5	Providing & fixing of 4 KVA Voltage stabilizer with time delay option including all accessories with installation at	15	Nos		
	<b>TOTAL:- (.B) AIR CONDITIONING WORK</b>				
	<b>SUMMARY:-</b>				
	<b>(A) TOTAL OF ELECTRICAL WORK</b>				
	<b>(B) TOTAL OF AIR CONDITIONING WORK</b>				
	<b>(.C) BUY BACK OF OLD LIGHT/FAN/ AC/ AC PIPING OLD AC PANEL AT TERRACE ETC CABLING WIRING ETC (-)</b>	-1	Job		
	<b>TOTAL( A+ B+C )</b>				

**GST will be paid additionally @18%**