

ELECTRICAL AND AC WORK OF DSH SHAJAPUR

S.N	S.N	Description of items	Qty	Unit	Estimated Rate	Amount
1	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) PVC 650V/1100V Grade FR insulated copper conductor				
a	a	Providing and fixing of point wiring with above specifications. One light point controlled by one switch.	40	Nos.		
b	b	Providing and fixing of point wiring with same above specifications. Two light points to be controlled by one switch.	8	Nos		
C	C	Providing and fixing of ceiling fan point controlled as under (i) one 6 amp switch	8	Nos.		
d	d	providing and fixing 6 Amps Plug Points with same specs as above and install along with same light switchboard	8	Nos		
e.	e.	Master switch of 16 Amps(Only Grey/Golden/Wooden colour other than white colour) to install alongwith same light switch board to control all light as a master switch ON/OFF in each switch board	8	Nos		
2	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	17	Nos		
3	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,	15	Nos		
4	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 l/c electrical connections and making good all the damages, painting, cleaning the site etc complete including all accessories as per site requirement	22	Nos		
5	5	AC/Geysr Point (Single Phase). 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	4	Nos		
6	6	CIRCUIT WIRING :				
6.1	6.1	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.	15	Nos		
6.1	6.1	3 X 4.0 sqmm (For AC/Power Circuit) in suitable size of 16 SWG (MMS) steel conduit as per IS code.	14	Nos		
7	7	UPS OUTGOING & OTHER WIRING, As Per Requirement.				
(a)	(a)	3 x 10 Sqmm copper multistread wire in 25 mm 16 SGW (MMS) steel conduit.(UPS INPUT DB TO UPS)	12	R.Mtr		
(b)	(b)	3 X 1.5 Sqmm copper multistread wire in suitable size of 16 SWG (MMS) steel conduit.	10	R.Mtr		
(c)	(c)	3 X 2.5 Sqmm copper multistread wire in suitable size of 16 SWG (MMS) steel conduit.	10	R.Mtr		
(d)	(d)	3 X 4 Sqmm copper multistread wire in suitable size of 16 SWG (MMS) steel conduit.	8	R.Mtr		
(f)	(f)	3 X 6 Sqmm copper multistread wire in suitable size of 16 SWG (MMS) steel conduit.	20	R.Mtr		

8	8	DISTRIBUTION BOARDS				
		All MCB to be "C" series				
8.1	8.1	Providing and fixing 4 way TPN double door DB for LIGHT /POWER POINTS with 63 Amp TPN , controlling 12 Nos. 16/32 Amps SPMCBs. & Complete.	2	Nos		
8.2	8.2	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.		
9	9	CABLES				
		Supplying, unloading, storage, laying, testing and commissioning of PVC/XLPE insulated (Heavy Duty) Al/Cu conductor armoured cable suitable for working voltage upto				
9.1	9.1	4X 25 Sq.mm XLPE.Al.armoured Cable (POWER/LIGHT/UPS)	80	Mtr		
9.2	9.2	4X 16 Sq.mm XLPE.Al.armoured Cable (LIGHT/UPS)	100	Mtr		
10	10	EARTHING				
(i)	(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	1	Nos		
(ii)	(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	1	Nos		
(iii)	(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 required.	20	Mtr.		
		(b) G.I.Strip 25 X 5 mm	20	Mtr		
(iv)	(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	35	Mtr.		
11	11	TELEPHONE POINT				
(i)	(i)	Two pair, 0.61 mm dila. 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	8	Nos		
(ii)	(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	1	Nos		
(iii)	(iii)	Supply, installation, testing and commissioning of the following size jelly filled armoured telephone cable. 20 pair	25	Mtr		
12	12	DATA CABLING FOR LAN				
a	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	22	Nos		
b	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)	1	Nos		
c	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	d	Providing and fixing of flowing factory fabricated Patch cords. (UTP/CAT 6 complete with connector on both side.)				
i)	i)	for 1 Mt. long	22	Nos.		
ii)	ii)	for 2 Mt. long	22	Nos		
e	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	100	Mtr		
13	13	Supply and installation of Vinyl sticker for on Electrical DBs like, " Switch Off at Night" , Switch Off For Safety, etc	10	Nos		
14	14	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		
15	15	Removal and dismantling 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.	1	Lum sum		
		Description of light /fan fixture				
16	16	LED LUMINAIRES:- 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:-	12	Nos		
17	17	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	10	Nos		
18	18	LED DOWNLIGHTER: SURFACE MOUNTED FOR FRONT SIDE (EXTERNAL) 15 Watt, surface mounted circular/square down lighter , 6"	5	Nos		
19	19	BOX TYPE LUMINAIRES: LED TUBE FITTINGS, 1200mm, 18/20 Watt PHILIPS/WIPRO/CG	6	Nos		
20	20	CEILING FAN: Single phase heavy duty grease filled double ball bearing, aerodynamically designed heavy gauge aluminium blades, copper wound and impregnated silicon stamping motors	6	Nos		
21	21	EXHAUST FAN:- Single phase, 300mm sweep, 900 rpm, metallic exhaust fan of the following single phase Exhaust fan continuously rated,	1	Nos		
		(A) TOTAL ELECTRICAL				
(.B)	(.B)	AIR CONDITIONING WORK 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				
1	1	Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, THREE STAR RATING OF BEE AIR CONDITIONERS 1.5 Ton 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,	3	Nos		
2	2	Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, THREE STAR RATING OF BEE AIR CONDITIONERS 2.0 Ton Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor,	2	Nos		

3	3	Supply and installation of soft & 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	30	Mtr		
4	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	30	Mtr		
5	5	Providing & fixing of 4 KVA Voltage stabilizer with time delay option including all accessories with installation at site (For 1Tr /1.5Tr Split AC & 1.5 Tr Cassette AC) Make:-Microtek, V-	3	Nos		
6	6	Providing & fixing of 5 KVA Voltage stabilizer with time delay option including all accessories with installation at site (For	2	Nos		
		TOTAL:- (.B) AIR CONDITIONING WORK				
		TOTAL(A+ B)				