

NAME OF THE WORK: PROPOSED STAFF QUARTERS AT KFB - ELECTRICAL WORKS

S.NO	DSR 2014 ITEM NO	DESCRIPTION OF WORK	QUANTITY	UNIT	RATE (Rs. In figures)	AMOUNT (Rs. In figures)	RATE (Rs. In words)	AMOUNT (Rs. In words)
		L.ELECTRICAL DSR-ITEMS						
L.1	1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.						
L.1.1	1.10.1	Group A	150.00	Point				
L.2	1.11	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.	40.00	Point				
L.3	1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required						
L.3.1	1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	428.00	Metre				
L.3.2	1.14.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	468.00	Metre				
L.3.3	1.14.6	2 X 16 sq. mm + 1 X 16 sq. mm earth wire	115.00	Metre				
L.4	1.18	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.						
L.4.1	1.18.3	4 Pair	300.00	Metre				
L.5	1.19	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	360.00	Metre				
L.6	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.						
L.6.1	1.21.1	20 mm	660.00	Metre				
L.7	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.						
L.7.1	1.24.6	Telephone socket outlet	12.00	Each				
L.7.2	1.24.7	TV antenna socket outlet	12.00	Each				
L.7.3	1.24.8	Bell Push	4.00	Each				
L.8	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	20.00	Each				
L.9	1.28	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.						
L.9.1	1.28.1	1 or 2 Module	28.00	Each				
L.10	1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).	56.00	Each				
L.11	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	16.00	Each				
L.12	1.38	Supplying and fixing call bell/buzzer suitable for single phase, 230 volts, complete as required	4.00	Each				
L.13	2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)						
L.13.1	2.3.8	2 +12 way/14 way, Double door	4.00	Each				
L.14	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
L.14.1	2.10.1	Single pole	48.00	Each				
L.14.2	2.10.2	Single pole and neutral	2.00	Each				
L.14.3	2.10.3	Double pole	2.00	Each				
L.15	2.12	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
L.15.1	2.12.1	40 amps	4.00	Each				
L.15.2	2.12.2	63 amps	4.00	Each				

L.16	2.14	Supplying and fixing following rating, double pole, (Single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
L.16.1	2.14.2	40 amps	4.00	Each			
L.16.2	2.14.3	63 amps	4.00	Each			
L.17	5	EARTHING					
L.17.1	5.2	Earthing with GI earth pipe 4.5 meter long, 40 dia including accessories and providing masonray enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/coke and salt etc.	2.00	Each			
L.18	5.7	Supplying and laying of 6 SWG wire at 0.5 meter below ground level for conductor earth electrode, including connection/termination with GI thimble etc. as required	30.00	Meter			
L.19	9	Supplying and Making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed /XLPE aluminium conductor cable of 1.1KV grade as required					
L.19.1	9.1.32	4CX10 Sqmm(25mm)	2.00	Each			
		Sub Total DSR					
		LMR ITEMS					
		LIGHTING FIXTURES & FANS					
L.20		Supply & fixing of T5 fittings with 1x28W T5 tube surface mounting fitting including making connection etc as required.	31.00	Each			
L.21		Supply & fixing Wall mount fittings with 1x11W 2 feet CFL luminaries surface mounting fitting at toilets including making connection etc as required.	8.00	Each			
L.22		Supply of 1200 mm sweep min five star rated ceiling fan complete with motor, double ball bearing, blades, canopy, 30 cm down rod and without speed regulator suitable for 230 V 50 HZ, AC supply confirms to IS 374/1979 as required complete.	20.00	Each			
L.23		Supply of 300mm sweep exhaust fan, metal blades with safety guard suitable for single phase 230 volt, 50Hz AC supply complete with motor, capacitor and all accessories as required complete. (Make : Usha Turbo or equivalent)	12.00	Each			
		CABLE					
L.24		Supply of the following size 1.1kV grade XLPE insulated PVC sheathed, armoured Aluminium conductor power cable conforming to IS 7098 (part 1) ammended upto date.					
L.24.1		4 X 10 sq. mm	100.00	m			
		METERING PANEL					
L.25		Supply, Installation, Testing & Commissioning of Metering panel - 1, cubicle type, made out of 2mm thick CRCA sheet, totally enclosed, IP42, free standing, floor / wall mounting, dust and vermin proof, powder coated, indoor, compartmentalised, suitable for operation on 3 phase and neutral, 415 V, 50Hz AC system with busbars extendable on both sides, including internal wiring with suitable size wires, spreaders, 3mm thick gland plate, hinged type door with neoprene gasket etc. The panel shall include supply & installation of following switchgears, metering instruments and accessories as per specification. (As per KPTCL/ Local Electrical Authorities norms)					
		INCOMER					
		1 no. 63A 3 phase FP Isolator					
		BUSBARS					
		1 Set of 100A TPN busbars of high conductivity electrolytic quality Aluminium alloy.					
		1 Set of 25 x 3 mm copper busbars of high conductivity electrolytic quality shall be provided throught out the panel for its earthing.					
		INSTRUMENTS					
		1 Set of phase indicating lamps, LED type, RYB.					
		1 Set of 2A 10kA C curve SP control MCB					
		OUTGOING					
		4 nos single phase electronic type kWh meter, 240V, 10-40A, Acc. class 0.5 and 2 Nos spare cabinet					
		6 nos 32A cutout fuse unit with suitable rating fuse as per KSEB and 8 nos. neutral link.					
		6 nos. 32A, C curve, DP MCB.					
		Space provision for accomodating single phase meter, cutout fuse and 32A SP+NL MCB - 2 nos.	1.00	Job			
		LMR					
		GRAND TOTAL (DSR items including cost index + LMR)					