

PRICE BID:-Electrical work for Award staff canteen at Ground floor, LHO building BHOPAL(M.P.)
ID: BHO201912010

TENDER

Sl. No.	DESCRIPTION OF ITEMS	QTY	UNIT	Rates in Figure & words	AMOUNT
1	<p>1 POINT WIRING :</p> <p>Providing point wiring (supply, fixing, testing and comm. Etc including Metal/PVC box suitable Modular switches, sockets for light point / Exhaust fan point / Call bell point / Ceiling fan point i/c fan box (if required) etc with 1.5 sq mm (phase neutral and earth) FRLS PVC insulated copper conductor single core multi stranded wire in 16 swg stove enamelled rigid steel ISI marked conduit for with conduit accessories like bend , junction box etc in concealed manner with suitable Modular Switches with inner/outer plate and metal box, ceiling rose / bulb holder etc including circuit wiring of 3 X 1.5 sq mm FRLS PVC insulated copper conductor single core multi stranded wire in 16 swg stove enamelled rigid steel conduit from Switch board to individual points. Phase : Red, Yellow,Blue. Neutral : Black. Earth : Green .</p> <p>a. Providing and fixing one light point controlled by one switch.</p> <p>b. Providing and fixing one CEILING FAN POINT controlled by followings : i one no switch ii one no stepped electronic regulator (two Module) with 360 deg.rotation as required.</p>	58	Nos.		
		50	Nos		
2	<p>6 AMP. POINTS ON SAME BOARD :</p> <p>Supply, fixing, testing and commissioning of 1 No 6A Universal Socket -2/3 pin combined with 1No. 6 A switch (Modular type)with cover plate , sheet steel box / PVC modular box etc in concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed.</p>	26	Nos		
3	<p>6 AMP. POINTS ON SEPARATE BOARD :</p> <p>Supply,fixing,testing and commissioning of 1 No 6A Multi Socket with 1No. 6 A switch (Modular type) with cover plate . sheet steel box / PVC modular box etc in concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc including circuit wiring of 3 X 1.5 sq mm FRLS PVC insulated copper conductor single core multi streded wire in 16 swg stove enamelled rigid steel conduit i/c conduit accessories from</p> <p>a. MCB distribution board to switch box etc complete as required</p> <p>b. As a extension of switch board</p>	2	Nos		
		2	Nos		

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4	<p>6 / 16 AMP. POWER POINTS:</p> <p>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 in concealed manner I/c electrical connections and making good all the damages, painting, cleaning the site etc including wiring with 2 core X 4 sq mm + 1 x 2.5 sqmm FRLS PVC insulated copper conductor single core multi streded wire in 16 swg stove enamelled rigid steel conduit i/c conduit accessories from</p> <p>a. MCB distribution board to switch box etc complete as required. Two switch boards can be looped as per design</p> <p>b. As a extension of switch board with 2X2.5 sqmm+1 X1.5sq.mm FRLS PVC Copper conductor.</p>	10 2	Nos. Nos		
5	<p>AC / GEYSER POWER POINTS :</p> <p>a. Supplying & fixing of approved make Industrial type metal plug & socket DBs with suitable MCB SPN sheet encloser (dust protected) inclusive of 2 pole and earth metal plug and socket and space to incorporate SP MCB complete as per specification as required. 20 Amps</p> <p>b. Supplying & fixing of ISI marked Industrial type metal plug socket D.B.s with suitable MCBs for TPN encloser three pole and earth metal plug and socket including space incorporating TP MCB complete as per specification as required. 32 Amps complete with MCB TP(16-32A) for Airconditioners</p>	1 7			
6	<p>SPECIAL ELECTRICAL POINTS : (For Computers)</p> <p>Supply, Installation, Testing and commissioning of the concealed mounting UPS modular type power point for computers with the followings :</p> <p>a. 2 Nos. 10 A Switch + 3 Nos. 10 A, 3 pin Socket - 1 set i/c electrical connections and making good all the damages, painting, cleaning the site with 3 x 2.5 sq mm FR PVC insulated copper conductor single core multi streded wire in 16 swg stove enamelled rigid Steel conduit with conduit accessories in concealed manner from MCB distribution board to switch box etc complete as required as directed.</p>	1	Nos.		

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7	SUB-MAINS WIRING : 3 1/2 Wire /3 Wire Supplying, providing wiring/cablings (supply, fixing, testing and comm.etc) for Light / Power with following FRLS PVC insulated copper conductor single core multi stranded wire in 16 swg stove enamelled rigid steel conduit i/c conduit accessories in concealed manner with electrical connections and making good all the damages, painting, cleaning the site etc complete as required as per site requirement and as directed.				
	a 3 core x 6.0sq.mm + 1 x 4.0 sq mm cable in 25 mm conduit 3 core x 10.0 sq.mm + 1 x 6.0 sq mm cable in 25 mm conduit	80 90	Metre Metre		
	b. 3 WIRE SUB-MAIN 3 core x2.5 sq mm cable in 20 mm conduit	1510	Metre		
8	Multicore Flexible 4 Core Multistrand Copper Wire				
	a 4 core X 4 Sq.mm Armoured power cable including end terminations from DB to outdoor units.	250	Metre		
	b 4 core X 2.5 Sq.mm Armoured power cable including end terminations from outdoor units to Indoor	180	Metre		
9	Supply,Laying ,Testing & Commissioning of PVC/XLPE insulated (Heavy Duty) Aluminium Armoured cable 1100 Volts laid in trench / wall including end terminations 3.5 Core X 70 Sq.mm Aluminium Armoured PVC/XLPE cable	60	Meter		
10	Supply and fixing of 'S' type / Clamp type fan hook in the ceiling by cutting / chiesling , replastering, painting etc complete as required	50	Nos.		
11	MCB's DISTRIBUTION BOARDS : Supply, Installation, Testing and commissioning of surface / recess mounting following ways Double Door MCB DB's 230 / 415 Volts on surface/recessed, complete 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 and as directed.				

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	<p>All connection with proper lugs and ferrules</p> <p>A. LIGHT DISTRIBUTION BOARD : IP 43</p> <p>a. 1 no. TPN MCB DB 4 way (4 + 18 ways)</p> <p>b. 1 no TPN MCB 32 amp.</p> <p>c. 18 nos SP MCB 06-32 amp.</p> <p>B POWER DISTRIBUTION BOARD</p> <p>Dismantling the AC Vertical DB From 5th floor to ground floor complete with all connections with proper lugs and marking DPX³ 160 MCCB DB's With DPX³ 160 MCCB- 125A FP,25KA as incomer and 24SP / 8 TP MCB's as outgoing</p>	2	Nos.		
	<p>2 Supplying of ISI Marked and accepted standard of Miniature Circuit Breaker (MCB) of 'C' series suitable for 240/415 Volts, 50 Cycle , 10 kA Value AC supply confirming to IS : 8828 :</p> <p>1996, IEC : 60898 :2002 but without enclosures :- SINGLE POLE (SP)</p> <p>0.5 Amp to 4Amp Rating</p> <p>6 Amp to 32 Amp Rating</p> <p>SINGLE POLE & NEUTRAL(SPN)</p> <p>6 Amp to 32 Amp Rating</p> <p>FOR TRIPLE POLE & NEUTRAL(TPN)</p> <p>6 Amp to 32 Amp Rating</p> <p>50 Amp to 63 Amp Rating</p>	2 50 1 1 1	Each Each Each Each Each		
13	<p>LED LUMINAIRES :</p> <p>Shifting,Installation, testing and commissioning of surface mounted LED light fitting Tube light of 18-20W Complete with hardware as required.(From 5th floor to Ground floor)</p>	55	Nos.		
14	<p>LED DOWN LIGHTER : (ROUND)</p> <p>Supply,,Installation testing and commissioning of surface mounted circular down lighter complete as required.dia should not less than 150 mm.</p> <p>a. 15 Watts class LED</p>	14	Nos		

Sl. No.	DESCRIPTION OF ITEMS	QTY	UNIT	Rates in Figure & words	AMOUNT
15	CEILING FAN : Shifting,Installation,testing and commissioning of the ceiling fan after servicing and replacement of capacitor if required from 5th floor to Ground floor.				
	a 1200 mm sweep, brilliant white (without regulator)	50	Nos.		
16	EXHAUST FAN : Supply, installation, testing and commissioning 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.with adjustable louvers.				
	a. 300 mm sweep, 900 r.p.m. exhaust fan. (Make: Crompton Greaves/BAJAJ/Havells)	3	Nos.		
17	MAIN INCOMER PANEL Supply, installation, testing and commissioning of the Main Incomer Panel - with 250A 3 pole MCCB,36KA as Incomer and 8 nos outgoing with MCCB Complete with busbar				
	a standard company fabricated panel (Legrand /HPL/Havells)				
	b. Incomer -250A ,415V 3P,35KA MCCB				
	c Outgoing -MCCB ,125A ,415V,TP,25KA-2 Nos.				
	d Outgoing -MCCB ,100A ,415V,TP,25KA-4 Nos.	1	Nos		
				TOTAL :	
TOTAL IN WORDS : GST :EXTRA					