

SOQ FOR Electrical WORKS at Chiplun Branch Dist Ratnagiri

ESTIMATE

SR.	ITEM	UNIT	QTY	RATE
	(FRLS wires to be used)			
	Type of wiring	Concealed		
	Casing capping (as per approval)	Modi make/ Precision (IS grad		
	PVC pipe and accessories	Precision / Polycab / Swastik		
	Wires	Polycab / Finolex / R R kabel		
		copper conductor, FRLS grad		
	Computer DataCable	D-Link / Molex / Awaya make		
	cable	Polycab / Finolex / R R kabel		
	MCB / MCB DB	L & T, Legrand / Siemens (IS		
	ELMCB	L & T, Legrand / Siemens (IS		
	Ft. tubes & fixtures	Philips / Wipro / Crompton / H		
	Ceiling fans	Crompton Greaves / Havells /		
	screws	Nettlefold		
	Earthing material	Strictly Bare Copper and with		
	Switch fuse unit	L & T make (ISI)		
	Switches/sockets & accessories	Legrand / Anchor Roma Mod		
	switchboards	Concealed modular type		
	Copper strip type busbar	Havells / Standard make		
	ONLINE UPS	Fuji / Vertiv		
	SMF Batteries	Exide / Amaron		
	Offline UPS / Inverter	Microtek / Havells		
	Tubular Batteries	Exide / Amaron		
SR	SUMMARY			
A	TOTAL OF MAIN PANEL / DB's / MCCBs :-			
B	TOTAL OF CABLES & TERMINATIONS			
C	TOTAL OF POINT WIRING			
D	TOTAL OF FIXTURES			
E	TOTAL OF EARTHING SYSTEM			
F	TOTAL OF TELEPHONE SYSTEM			
	TOTAL FOR ELECTRICAL WORKS			
	Amt. in words Rs. Two Lakh Sixty-Three Thousand Eight Hundred Twenty			
SR.	ITEM	UNIT	QTY	RATE
A	MAIN PANEL / DISTRIBUTION BOARDS / MCCBs :-			
1	Meter room Mains MCCB's			
	Supplying & Installing 63A, FP MCCB in Sheet Steel Enclosure, complete			
	a. 63 A FP MCCB 10kA	Nos.	1.00	
	b. Sheet steel Enclosure Box for FP MCCB	Nos.	1.00	
1.1	SITC Entrance Master Control Switch (UPS,Light,Power & AC) DB			
	12 way SPN - MCB DB,	Nos.	1.00	
	63 A - 01 no. - FP MCB as incomer	Nos.	2.00	
	25 A - 01 no. - DP MCB as incomer	Nos.	2.00	

a	Supplying , Installing Testing & Commissioning of LED Indicator (Red	Nos.	4.00	
d	Supplying and erecting programmable digital timer microcontroller based with real time clock to operate on derived switching "ON" and switching "OFF" glow sign board light as per daily sunset and sunrise respectively automatically having 4 digit LED continuous time display erected in M.S. box.	each	0.00	
c	AC Cyclic Timer - Supply, Installation & Commissioning of Automatic AC Cyclic for 2 nos. of Split/ Window ACs with 1 no. of Real Time Electronic Timer Switch DW219BLK of MK & 2 nos. Contactor/ High Power Relay, Mains ON & AC-1 & AC-2, indicating LED type Lamps, 2A HRC fuse with base for contactor coil & 1 no. 32A DP MCB with Auto/ Manual Switch, in Powder coated MS. Box & all accessories with Elmax make terminals for outgoing/ incoming connections	each	0.00	
2.8	Supplying & Installing 20 A Power Socket points complete MS concealed	Nos.	7.00	
	A. TOTAL OF MAIN PANEL / DB's / MCCBs :-			
	B CABLES & TERMINATIONS			
	Supply and Laying of following LT cables confirming to IS 1554 (part 1) with			
1	Aluminium Armoured Cables			
a.	3 1/2 C x 35 Sq.mm Aluminium AYFY Armoured Cables, <i>from MSEB Meter</i>	Rmt	0.00	
2	Copper Flexible Cables			
a.	3C x 4 Sq.mm Copper Flexible Cables, <i>from UPS</i>	Rmt	10.00	
b.	4C x 6 Sq.mm Copper Flexible Cables, <i>from Mains</i>	Rmt	60.00	
c.	4C x 4 Sq.mm Copper Flexible Cables, <i>from Main</i>	Rmt	30.00	
d.	4C x 10 Sq.mm Copper Flexible Cables, <i>from Main</i>	Rmt	30.00	
3	Flexible cables/ Wires			
	Supplying & laying following size of 1.1 KV grade PVC insulated flexible copper			
a	4 C x 10 sq.mm. Cu flexible wires, <i>for UPS Input MCB to UPS terminal</i>	Rmt	5.00	
b	3 C x 6 sq.mm. Cu flexible wires, <i>for UPS Output MCB to UPS terminal</i>	Rmt	5.00	
c	3 C x 2.5 sq.mm. Cu flexible wire, <i>for Signage & invertor</i>	Rmt	50.00	
	B. TOTAL OF CABLES & TERMINATIONS			
C	POINT WIRING			
1	POWER POINTS			
	SITC of following concealed Power Point Wiring using 1100V grade 3C x 2.5			
a.	Primary UPS points	No	0.00	
	Rate in words : -			
	(The main circuit will be considered as primary circuit and balance circuit to			
	Supplying & Installing Primary UPS or Stabilized Power points on workstations			
	Each point consisting of 2 Nos of 6A, 5 Pin Modular sockets and 1 No. of			
	Only 3 tables served by one circuit from UPS DB. The Rate should be			
b.	Secondary UPS points	No	0.00	
	Rate in words : -			
	Supplying & Installing Secondary UPS or Stabilized Power points on			
	Each point consisting of 2 Nos of 10A, 5 Pin Modular sockets and 1 No. of			
	for 2 table served by the same circuit from adjacent Primary point. The			

c. Primary 10/20 A power points, for Printers / Pantry / Hot Plate / Water cooler /	No	0.00	
Supplying & Installing Primary 10/20 A Power Socket points using 2 X 4.0			
Each point consisting of 1 Nos of 10/20 A Modular sockets controlled by 1			
Only 2 Sockets served by one circuit taken from Raw Power & ACDB			
2 LIGHT POINT WIRING			
SITC of following concealed point wiring using 1100V grade 3C x 1.5 sq.mm.			
a. Primary Light points	No	33.00	
Rate in words : -			
SITC 5A Primary light points including MS concealed box, grid plate, 6A switch &			
b. Secondary Light points	No	5.00	
Rate in words : -			
SITC 5A Secondary light points looped from primary light point. All MCB			
c. Primary 5 A socket points	No	4.00	
SITC Primary 5 A Socket points using circuit wiring (with proper color code)			
Each point consisting of 1 Nos of 5 A sockets controlled by 1 Nos of 6A			
d. Secondary / Separate 5 A socket points (other than on Board plug points)	No	0.00	
SITC Separate Secondary 5 A Socket points using circuit wiring (with proper			
Each point consisting of 1 Nos of 5 A sockets controlled by 1 Nos of 6A			
f. Exhaust fan/Wall Fan points	No	3.00	
SITC of concealed point wiring for Exhaust fan and Wall fan using 1100V grade			
Each Exhaust Fan and wall fan will be operated on seperate switch, Rate should			
g. Ceiling fan points	No	7.00	
Rate in words : -			
SITC Ceiling Fan point operated on seperate switch shall be Controlled by 2			
h. Bell points	No	1.00	
SITC Bell point consisting of 5A Modular Bell switch & Suitable Bell, (Bell			
C. TOTAL OF POINT WIRING			
D FIXTURES			
SITC of following concealed / surface mounted fixtures of makes as specified with			
1 LED tube lights 4'	No	2.00	
SITC 1200 mm Long Surface/Wall Mounted extruded Aluminium channels, with			
Model : BN021 LED25S 6500 PSU GR S1,			
Make : Crompton Model : Linea LDLL20-CDL, LDLL20-WW			
Make : Wipro, Model : Garnet D532065, D552065			
Make : Havells Model : E-Lite LED Pride Pus LHEXBLP7PN1W020			
2 LED tube lights 2'	No	6.00	
Rate in words : -			
SITC 600 mm Long Surface/Wall Mounted extruded Aluminium channels, with 10			
3 15 w Down lighter with LED	No	25.00	
Rate in words : -			
SITC 15 w White Powder Coated Housing LED Round / Square Down Lighter			
Make : Philips, Model : DN193B LED12S-6500 PSU WH S1			

	Make : Crompton, Model : Star Dura LSDRSD-18W-CDL/ NW/ WW,			
	Make : Wipro, Model : Garnet Wave D541565, Infinity Wave DG11565,			
	Make : Havells, Model : Fazer Neo LHEBMCP7IW1W015,			
4	600 x 600 mm square LED panel fittings	No	10.00	
	Rate in words : -			
	SITC 36 / 40 w LED Panel of 600mm X 600mm size, Square, Powder coated			
	Make: Philips, Model: RC380B G2 LED28S / RC140B G2 LED31S-6500 PSE			
	Make: Crompton, Model : LCTLR-36-CDL 36 w, LCPL-36-TL(2X2)			
	Make: Wipro, Model : Gartner D424065, D414065 CRCO10R038HP57			
	Make : Havells, Model : Venus Neo PLR36WLED865PO, Plano			
5	Fans			
	Supplying & Installing following mentioned Aluminum, medium duty, powder			
a.	SITC 1200 mm sweep Ceiling fans Complete with Mounting rod, Clamps,	No	7.00	
b.	SITC 250 mm sweep Exhaust fan of metal body & blade	No	3.00	
c.	SITC 400mm sweep Wall fan of 1350 RPM. Oscillating type, metal blades chrome	No	3.00	
	D. TOTAL OF FIXTURES			
E	EARTHING SYSTEM			
1	Plate Earthing			
	S & I of Earthing Pit / Earth Electrode Station into the true ground level by using			
A	CU Plate earthing.	No	1.00	
	Copper earthing pit made up of 600 x 600 x 3 mm thick, copper electrode			
2	Earthing Wires			
	SITC of insulated copper earthing wire laid through 20 mm PVC conduits from			
A	Single core, 6 sqmm FRLS PVC insulated multi threaded, flexible copper cable	Rmt	60.00	
3	Main Earth Bus	No	2.00	
	Supplying & Installing of Main bus for isolated earth comprising of 200mm x			
	E. TOTAL OF EARTHING SYSTEM			
F.	TELEPHONE / VOICE CABLING AND OUTLETS			
1	Telephone points	No	1.00	
	Rate in words : -			
	Providing and laying 2 Pair Grey Color 0.5mm Tinned Cu , PVC insulated cable			
	F. TOTAL OF TELEPHONE SYSTEM			
	TOTAL FOR ELECTRICAL WORKS			

(Toatl Amount in Words Rs.

