



M.C. 18619 / M.S. 3543B

# ESCORT ELECTRICALS

(Engineers & Contractors)

GOVERNMENT LICENSED ELECTRICAL CONTRACTORS & SUPPLIERS

Address :  
846/847, 2nd Floor, 'Kusum' Appt.,  
Vikrant Chowk, Khanbhag,  
In front of Velankar Mangal Karyalay,  
Sangli. 416 416 | Cell : 98233 32555

TO,  
Chairman,  
Sonhira Agro Farmer Producer Company,  
Mohityanche Vadgaon.  
Kind Attend : Shri Dattajirao Mohite sir,

Sub :- Quotation for Electrification of Sonhira Agro Farmer Producer Compy at Gat No.769, Mohityache Vadgaon, Tal.- Kadegaon, Dist. Sangli.

## BOQ FOR ELECTRIFICATION

SR.NO.	PARTICULARS	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	ERECTION RATE	ERECTION AMOUNT	TOTAL AMOUNT
A	<b>POWER DISTRIBUTION PANEL</b> Supply, Unloading, Installation, testing & commsioning of Following Panels. Panels shall be fabricated out of 16/14 swg CRCA sheet steel, with necessary structural supports in form of structural steel sections. Panels shall be floor mounted.The panel shall be compartmental type with suitable size of bus bar and separate cable and busbar chambers. The cable chambers shall be free from any live open connections. Multifunction meters for all incoming feeders, Indication lamps for all incoming and outgoing feeders for phase identifications and for indication of Switch status.							
	Panel shall be Indoor type. FORM 3B 14 SWG CRCA ALUMINIUM BUS CURRENT DENSITY :- 0.8 AMP/1 SQ. MM. ALL CABLES- TOP CABLE ENTRIES INDICATIONS POSITION FOR ALL INCOMERS PHASE INDICATION WITH SWITCH POSITION.							

23,33,307.52



SR.NO.	PARTICULARS	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	ERECTION RATE	ERECTION AMOUNT	TOTAL AMOUNT
	<b>FOR ALL OUTGOINGS FOR SWITCH ON INDICATION PROTECTIONS: SURGE PROTECTION ON INCOMER SINGLE PHASING PREVENTER ON INCOMING BUS FOR PHASE IN BALANCE AND SINGLE PHASE PREVENTIONS</b>							
1.0	<b>MDB</b>	1.00	NOS.	1,65,000.00	1,65,000.00	2,500.00	2,500.00	1,67,500.00
	<p>PLEASE REFER SLD FOR MORE CLARIFICATIONS</p> <p>PANEL SHALL BE INDOOR TYPE- IP-43</p> <p>FORM 3B</p> <p>ALUMINIUM BUS</p> <p>FAULT CURRENT - 16 kA</p> <p>All panels Switchgear will be provided with lockout tagout (LOTO) arrangement.</p> <p><b>INDICATIONS POSITION</b></p> <p>FOR ALL INCOMERS PHASE INDICATION WITH SWITCH POSITION.</p> <p>FOR ALL OUTGOINGS FOR SWITCH ON OFF &amp; TRIP INDICATION</p> <p>ALL ACBS WITH - PHASE INDICATION WITH SWITCH POSITION.</p> <p><b>PROTECTIONS: SURGE PROTECTION ON INCOMER</b></p> <p>SINGLE PHASING PREVENTER ON INCOMING BUS FOR PHASE IN BALANCE AND SINGLE PHASE PREVENTIONS</p> <p>PANEL SHALL CONSIST OF AUTO CHANGEVER LOGIC</p> <p>ALL INCOMERS METER SHALL BE :- SCHNEIDER :- PM- 2230 Series Or Equivalent</p> <p>ALL OUTGOING METER SHALL BE :- SCHNEIDER :- EM- 6400 NG Series Or Equivalent</p> <p>ALL METERS SHALL BE COMMUNICATION CAPABLE</p>							
	<b>INCOMING</b>							
	TRASFORMER INPUT 400 A FP MCCB 10 kA $\mu$ P LSIGN							
	<b>OUT GOING</b>							
	<p>RTPFC PANEL-50 KVAR OUTGOING 100 A TP MCCB 10 kA TMD LSI</p> <p>LIFT 1 OUTGOING 63 A FP MCB 10 kA TMD LI</p> <p>LIFT 2 OUTGOING 63 A FP MCB 10 kA TMD LI</p> <p>FIRE STP EXT LOADS OUTGOING 160 A FP MCCB 10 kA TMD LSI</p> <p>ALL FLOOR RAW POWER OUTGOING 250 A FP MCCB 10 kA TMD LSI</p> <p>LINEAR ACCELARATOR OUTGOING 250 A FP MCCB 10 kA TMD LSI</p> <p>PETCT OUTGOING 160 A FP MCCB 10 kA TMD LSI</p> <p>LAUNDRY, CSSD, RO PANEL OUTGOING 160 A FP MCCB 10 kA <math>\mu</math>P LSI</p> <p>HVAC LOAD OUTGOING 200 A FP MCCB 10 kA TMD LSI</p>							

SR.NO.	PARTICULARS	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	ERECTION RATE	ERECTION AMOUNT	TOTAL AMOUNT
	SPARE OUTGOING 250 A FP MCCB 10 kA TMD LSI SPARE OUTGOING 120 A FP MCCB 10 kA $\mu$ P LSI SPARE OUTGOING 63 A FP MCB 10 kA TMD LI SPARE OUTGOING 63 A FP MCB 10 kA TMD LI							
	<b>TOTAL OF SECTION A</b>				<b>1,65,000.00</b>		<b>2,500.00</b>	<b>1,67,500.00</b>
<b>B</b>	<b>READYMADE DISTRIBUTION BOARD</b>							
	Supply, Erection, Testing and Commissioning of Readymade Distribution Boards.IP43 RATED Powder coated metal doors and enclosure Phase copper bus bars, Neutral and earth bar with tapped holes, Necessary cable boxes for incoming / outgoing conduits and cables. 1/3 phase distribution Suitable for Flush and surface mounted DB's shall be as per IEC 61439-3. ALL MCB'S OF " C " CURVE							
1.0	6 WAY ETPN DB IP 43 WITH PPI KIT, INCO- 6-32 A TP MCB, SUB INCO- 6-32 A 30 mA RCCB 3 NO.S, OGS- 6 A MCB- 12 NO.S (FOR OT)	2.00	NOS.	11,735.00	23,470.00	750.00	1,500.00	24,970.00
2.0	8 WAY ETPN DB IP 43 WITH PPI KIT, INCO- 6- 32 A TP MCB, SUB INCO- 6-32 A 30 mA RCCB 3 NO.S, OGS- 6-32 A SP MCB- 18 NO.S (ALL FLOORS LDB) (ALL FLOOR EPDB)(ALL FLOOR PPDB)(ALL FLOOR PUDB)	2.00	NOS.	12,682.00	25,364.00	850.00	1,700.00	27,064.00
3.0	12 WAY ETPN DB IP 43 WITH PPI KIT, INCO- 6-32 A TP MCB, SUB INCO- 32 A 30 mA RCCB 3 NO.S, OGS- 6-32 A MCB- 30 NO.S		NOS.	16,040.00	-	950.00	-	-
4.0	12 WAY ETPN DB IP 43 WITH PPI KIT, INCO- 40-63 A TP MCB, SUB INCO- 60-63 A 30 mA RCCB 3 NO.S, OGS- 6-32 A MCB- 30 NO.S (ALL FLOORS PDB)		NOS.	17,955.00	-	950.00	-	-
5.0	6 WAY VTPN DB IP 43 , INCO- 6-32 A TP MCB, OGS- 6-32 A TP MCB- 6 NO.S	-	NOS.	-	-	-	-	-
6.0	4 WAY VTPN MCCB DB IP 43 , INCO- 100 A TP MCCB, OGS- 6-63 TP MCB- 4 NO.S	3.00	NOS.	12,310.00	36,930.00	450.00	1,350.00	38,280.00
7.0	4 WAY VTPN MCCB DB IP 43 , INCO- 160 A TP MCCB, OGS- TP MCB/ MCCB- 4 NO.S	-	NOS.	-	-	-	-	-
8.0	4 WAY VTPN DB IP 43 , INCO- 32 A TP MCB, OGS- 6-32 A TP MCB- 4 NO.S	2.00	NOS.	9,215.00	18,430.00	450.00	900.00	19,330.00
9.0	6 WAY VTPN DB IP 43 , INCO- 63 A TP MCB, OGS- 6-32 A TP MCB- 6 NO.S	-	NOS.	-	-	-	-	-
10.0	4 WAY VTPN DB IP 43 , INCO-40- 63 A TP MCB, OGS- 6-32 A TP MCB- 4 NO.S	1.00	NOS.	9,410.00	9,410.00	450.00	450.00	9,860.00
	<b>TOTAL OF SECTION B</b>				<b>1,13,604.00</b>		<b>5,900.00</b>	<b>1,19,504.00</b>
<b>C</b>	<b>CABLE AND END TERMINATION</b>							
1.0	Supply and laying of 1100 V grade, XLPE Aluminium/Copper conductor, armoured power cable as per specifications. The cable shall be laid in indoor trenches / cable trays as required. The cable shall be clamped at regular intervals to the supports in trench or to MS cable trays or brick wall using MS clamps and fasteners.							
	3.5 CORE 400 SQ. MM AL XLPE ARM CABLE	-	MTRS.	1,715.00	-	-	-	-



SR.NO.	PARTICULARS	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	ERECTION RATE	ERECTION AMOUNT	TOTAL AMOUNT
	3.5 CORE 300 SQ. MM AL XLPE ARM CABLE	30.00	MTRS.	1,314.00	39,420.00	135.00	4,050.00	43,470.00
	3.5 CORE 240 SQ. MM AL XLPE ARM CABLE	230.00	MTRS.	1,065.00	2,44,950.00	105.00	24,150.00	2,69,100.00
	3.5 CORE 185 SQ. MM AL XLPE ARM CABLE	145.00	MTRS.	854.00	1,23,830.00	75.00	10,875.00	1,34,705.00
	3.5 CORE 150 SQ. MM AL XLPE ARM CABLE	220.00	MTRS.	677.00	1,48,940.00	70.00	15,400.00	1,64,340.00
	3.5 CORE 120 SQ. MM AL XLPE ARM CABLE	290.00	MTRS.	575.00	1,66,750.00	60.00	17,400.00	1,84,150.00
	3.5 CORE 95 SQ. MM AL XLPE ARM CABLE	125.00	MTRS.	472.00	59,000.00	50.00	6,250.00	65,250.00
	3.5 CORE 70 SQ. MM AL XLPE ARM CABLE	-	MTRS.		-		-	-
	3.5 CORE 50 SQ. MM AL XLPE ARM CABLE	-	MTRS.		-		-	-
	3.5 CORE 35 SQ. MM AL XLPE ARM CABLE	80.00	MTRS.	212.00	16,960.00	30.00	2,400.00	19,360.00
	4 CORE 25 SQ. MM AL XLPE ARM CABLE	130.00	MTRS.	182.00	23,660.00	20.00	2,600.00	26,260.00
	4 CORE 16 SQ. MM AL XLPE ARM CABLE	790.00	MTRS.	122.00	96,380.00	20.00	15,800.00	1,12,180.00
	4 CORE 10 SQ. MM CU XLPE ARM CABLE	-	MTRS.		-		-	-
	4 CORE 6 SQ. MM CU XLPE ARM CABLE		MTRS.	280.00	-	20.00	-	-
	4 CORE 4 SQ. MM CU XLPE ARM CABLE		MTRS.	196.00	-	20.00	-	-
	4 CORE 2.5 SQ. MM CU XLPE ARM CABLE		MTRS.	135.00	-	10.00	-	-
2.0	Supply and providing LV cable end termination for below listed cable with Aluminium/copper lugs, flange type brass cable glands (Single compression type), PVC glands for flexible cables with tapping, crimping, etc.							
	3.5 CORE 400 SQ. MM AL XLPE ARM CABLE	-	NOS.		-		-	-
	3.5 CORE 300 SQ. MM AL XLPE ARM CABLE	-	NOS.		-		-	-
	3.5 CORE 240 SQ. MM AL XLPE ARM CABLE	8.00	NOS.	205.00	1,640.00	503.00	4,024.00	5,664.00
	3.5 CORE 185 SQ. MM AL XLPE ARM CABLE	4.00	NOS.	205.00	820.00	391.00	1,564.00	2,384.00
	3.5 CORE 150 SQ. MM AL XLPE ARM CABLE	2.00	NOS.	205.00	410.00	335.00	670.00	1,080.00
	3.5 CORE 120 SQ. MM AL XLPE ARM CABLE	10.00	NOS.	205.00	2,050.00	280.00	2,800.00	4,850.00
	3.5 CORE 95 SQ. MM AL XLPE ARM CABLE	2.00	NOS.	205.00	410.00	224.00	448.00	858.00
	3.5 CORE 70 SQ. MM AL XLPE ARM CABLE	32.00	NOS.	140.00	4,480.00	140.00	4,480.00	8,960.00
	3.5 CORE 35 SQ. MM AL XLPE ARM CABLE	4.00	NOS.	140.00	560.00	90.00	360.00	920.00
	4 CORE 16 SQ. MM AL XLPE ARM CABLE	2.00	NOS.	133.00	266.00	40.00	80.00	346.00
	4 CORE 6 SQ. MM CU XLPE ARM CABLE	8.00	NOS.	127.00	1,016.00	40.00	320.00	1,336.00
	4 CORE 4 SQ. MM CU XLPE ARM CABLE	58.00	NOS.	92.00	5,336.00	40.00	2,320.00	7,656.00
	4 CORE 2.5 SQ. MM CU XLPE ARM CABLE							
	<b>TOTAL OF SECTION C</b>				<b>9,36,878.00</b>		<b>1,15,991.00</b>	<b>10,52,869.00</b>



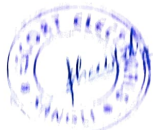
SR.NO.	PARTICULARS	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	ERECTION RATE	ERECTION AMOUNT	TOTAL AMOUNT
D	<b>EARTHING STATIONS</b>							
1.0	Supply and fixing of GI earthing stations using 6 meter deep bores with 65 mm Dia GI pipe electrodes with 50 x 6 GI strip connected at bottom, including digging the pit and refilling the bore with bentonite and black soil and providing watering chamber with disconnection and cover plate. Identification Plate with Pit No, Connected to, Tested On and Value of Resistance clearly mentioned. Earth Pit Chamber should be yellow painted.							
	HT PANEL	-	Nos.	3,500.00	-	3,000.00	-	-
	DG SET BODY	2.00	Nos.	3,500.00	7,000.00	3,000.00	6,000.00	13,000.00
	TRANSFORMER BODY	-	Nos.	3,500.00	-	3,000.00	-	-
	LT PANELS	2.00	Nos.	3,500.00	7,000.00	3,000.00	6,000.00	13,000.00
	LIGHTENING PROTECTION	2.00	Nos.	3,500.00	7,000.00	3,000.00	6,000.00	13,000.00
	SECURITY CABIN	1.00	Nos.	3,500.00	3,500.00	3,000.00	3,000.00	6,500.00
2.0	Supply and fixing of Copper earthing stations using 6 meter deep bores with 65 mm Dia GI pipe electrodes with 2 runs of 25 x 3 mm copper strip connected at bottom, including digging the pit and refilling the bore with bentonite and black soil and providing watering chamber with disconnection and cover plate. Identification Plate with Pit No, Connected to, Tested On and Value of Resistance clearly mentioned. Earth Pit Chamber should be yellow painted.							
	DG NEUTRAL	2.00	Nos.	5,000.00	10,000.00	3,000.00	6,000.00	16,000.00
	METERING KIOSK	-	Nos.	5,000.00	-	3,000.00	-	-
	TRANSFORMER NEUTRAL	-	Nos.	5,000.00	-	3,000.00	-	-
	UPS NEUTRAL EARTHING	6.00	Nos.	5,000.00	30,000.00	3,000.00	18,000.00	48,000.00
	TRANSFORMER EQUIPMENT EARTHING	1.00	Nos.	5,000.00	5,000.00	3,000.00	3,000.00	8,000.00
3.0	Supply and laying of following size 25 X 6 GI Flat conductor, with welding at all the joints with 2 coat of bitumen paint.							
	HT PANEL	-	KG	101.00	-	28.00	-	-
	DG SET BODY	96.00	KG	101.00	9,696.00	28.00	2,688.00	12,384.00
	TRANSFORMER BODY	-	KG	101.00	-	28.00	-	-
	LT PANELS	144.00	KG	101.00	14,544.00	28.00	4,032.00	18,576.00
	LIGHTENING PROTECTION	288.00	KG	101.00	29,088.00	28.00	8,064.00	37,152.00
	SECURITY CABIN	-	KG	101.00	-	28.00	-	-
5.0	Supply and laying of suitable section of copper conductor, FRLS WIRE for DBS and Equipment. With proper ring type lug at both end.							
	1 core 10 Sq. mm Cu FRLS wire	100.00	MTRS.	108.00	10,800.00	10.00	1,000.00	11,800.00



SR.NO.	PARTICULARS	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	ERECTION RATE	ERECTION AMOUNT	TOTAL AMOUNT
	1 core 6 Sq. mm Cu FRLS wire	100.00	MTRS.	61.00	6,100.00	9.00	900.00	7,000.00
	8 SWG GI wire with Lug.	100.00	MTRS.	16.00	1,600.00	7.00	700.00	2,300.00
	1 core 50 Sq. mm Cu FRLS wire	20.00	MTRS.	109.00	2,180.00	25.00	500.00	2,680.00
6.0	Bus bar of 0.5 Mtr length made out of 50 x 6 mm GI strip with drill holes of M8 at 25mm interval mounted on insulators with Enclosure.	3.00	NOS.	1,000.00	3,000.00	150.00	450.00	3,450.00
7.0	Bus bar of 0.5 Mtr length made out of 25 x 3 mm Cu. strip with drill holes of M8 at 25mm interval mounted on insulators with Enclosure.	3.00	NOS.	1,000.00	3,000.00	150.00	450.00	3,450.00
	<b>TOTAL OF SECTION D</b>				<b>1,49,508.00</b>		<b>66,784.00</b>	<b>2,16,292.00</b>
<b>E</b>	<b>LIGHTENING PROTECTION SYSTEM</b>							
	Supply and fixing of GI earthing stations using GI earth plate. Earthing electrode shall be 600 x 600 x 6.3 mm thick GI plate electrode, with 2 nos. 50 X 6 mm GI strips from earth late electrode to inspection chamber, 50 mm dia medium class GI pipe, CI funnel with 20 gauge GI wire mesh, masonry chamber 500 X 500 mm with concrete base as per IS3043 with CI manhole cover with frame painted with bitumastic paint and packing with mixture of charcoal and common salt around plate electrode including digging of pit upto permanent moisture level but not less than 3 meters and back filling as required.							
	<b>LIGHTENING PROTECTION</b>	2.00	Nos.	5,100.00	10,200.00	3,904.25	7,808.50	18,008.50
1.0	Supply, Installation, Testing and Commissioning of FRANKLIN ROD TYPE AIR TERMINAL, lightening protection system. Full electrical continuity between the tip and the earth point. The basic construction includes brass holder and termination arrangement for conductor, 1 mtr long copper hollow pipe, brass spindle at top, with 2 nos. bolts to the spindle	2.00	NOS.	1,551.00	3,102.00	1,115.50	2,231.00	5,333.00
2.0	Supply, Installation, Testing and Commissioning of Disconnection link for testing of earth conductivity.	2.00	NOS.	2,070.00	4,140.00	390.91	781.82	4,921.82
3.0	Supply, Installation, Testing and Commissioning of Supporting arrangement for AIR TERMINAL	2.00	NOS.	1,552.00	3,104.00	1,115.50	2,231.00	5,335.00
4.0	Supply, Installation, Testing and Commissioning of 1 core 70 Sq. mm Copper down conductor	UR	MTRS.					
5.0	Supply, Installation, Testing and Commissioning of 25 X 3 MM Aluminium conductor for formation of grid over roof	200.00	KG	101.00	20,200.00	28.00	5,600.00	25,800.00
6.0	Supply, Installation, Testing and Commissioning of 50 X 6 MM GI conductor for formation of grid over roof	200.00	KG	101.00	20,200.00	28.00	5,600.00	25,800.00
7.0	Supply, Installation, Testing and Commissioning of Test Clamp to connect the down conductor to the earth termination and disconnect the down conductor from the earth termination for regular checks of the earth termination resistance value.	2.00	NOS.	2,070.00	4,140.00	223.10	446.20	4,586.20



SR.NO.	PARTICULARS	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	LABOUR RATE	LABOUR AMOUNT	TOTAL AMOUNT
S 0	Supply, Installation, Testing and Commissioning of GI Conduit pipe with suitable clamps for fixing of pipe for Copper Down conductor of 1 core 20 Sq. mm.	UR	MTRS					
<b>TOTAL OF SECTION E</b> (Chapter - 1 WIRING (WG))					65,086.00		18,000.00	83,086.00
F	<b>POINT WIRING</b>							
	Supply, Installation, Testing and Commissioning of following items with suitable accessories, supports, labour etc. for wiring for lights, ceiling fans, exhaust fans, 6/16A, 16A sockets. Rate shall include cost of conduit/pipe and its accessories in concealed / open/ above false ceiling using GI pull/junction boxes, light outlet boxes, GI Switch outlet boxes, switch plates, 6A/16A one/two way switch. Including testing and commissioning complete. The rate for point wiring shall include wiring from first switch point and then looping between the points.							
171	One way light points, 10A/5 20 mm Dia PVC pipe Copper conductor FRIS wire 1.5 sq mm size for PSE Modular switch with mounting plate and box (Average Point Length 1.5 meter). Flexible PVC pipe inclusion of suitable wire for fitting connections Ceiling rose/bath ladder/Backplate connector as required.	45.00	HR\$	975.00	975.00	150.00	150.00	1,125.00
172	Emergency light points of a group, 10A/5 20 mm Dia PVC pipe Copper conductor FRIS wire 1.5 sq mm size for PSE Modular switch with mounting plate and box (Average Point Length 1.5 meter). Flexible PVC pipe inclusion of suitable wire for fitting connections Ceiling rose/bath ladder/Backplate connector as required.	45.00	HR\$	978.00	1,968.00	150.00	68.00	2,186.00
173	Secondary light points of a group, 10A/5 20 mm Dia PVC pipe Copper conductor FRIS wire 1.5 sq mm size for PSE (Average Point Length 1 meter). Flexible PVC pipe inclusion of suitable wire for fitting connections Ceiling rose/bath ladder/Backplate connector as required.	40.00	HR\$	315.00	945.00	150.00	60.00	1,155.00
174	Emergency light points, 10A/5 20 mm Dia PVC pipe Copper conductor FRIS wire 1.5 sq mm size for PSE. (Average Point Length 1.5 meter). Flexible PVC pipe inclusion of suitable wire for fitting connections. Ceiling rose/bath ladder/Backplate connector as required.	5.00	HR\$	1,950.00	7,800.00	300.00	1,500.00	9,600.00



SR.NO.	PARTICULARS	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	ERECTION RATE	ERECTION AMOUNT	TOTAL AMOUNT
8.0	Supply, Installation, Testing and Commissioning of GI Conduit pipe with suitable clamps for fixing of pipe for Copper Down conductor of 1 core 70 Sq. mm .	UR	MTRS.					
<b>TOTAL OF SECTION E</b>								
Chapter : 1 WIRING (WG)								
<b>F POINT WIRING</b>								
	Supply , Installation, Testing and Commissioning of following items with suitable accessories, supports, labour etc. for wiring for lights, ceiling fans, exhaust fans, 6/16A, 16A sockets. Rate shall include cost of conduit/pipe and its accessories in concealed / open/ above false ceiling using GI pull/junction boxes, light outlet boxes, G.I. Switch outlet boxes, switch plates, 6A/16A one/two way switch. Including testing and commissioning complete. The rate for point wiring shall include wiring from first switch point and then looping between the points.							
1.0	One way light points, HMS - 20 mm Dia PVC pipe Copper conductor FRLS wire 1.5 sq. mm. size for PNE. Modular switch with mounting plate and box.(Average Point Length 7.5 meter). Flexible PVC pipe inclusive of suitable wire for fitting connections.Ceiling rose/bulb holder/Backalite connector as required.	45.00	NOS.	925.00	925.00	150.00	150.00	1,075.00
2.0	Primary light points of a group, HMS - 20 mm Dia PVC pipe Copper conductor FRLS wire 1.5 sq. mm. size for PNE. Modular switch with mounting plate and box.(Average Point Length 7.5 meter). Flexible PVC pipe inclusive of suitable wire for fitting connections.Ceiling rose/bulb holder/Backalite connector as required.	45.00	NOS.	974.00	1,948.00	150.00	300.00	2,248.00
3.0	Secondary light points of a group, HMS - 20 mm Dia PVC pipe Copper conductor FRLS wire 1.5 sq. mm. size for PNE.(Average Point Length 7 meter). Flexible PVC pipe inclusive of suitable wire for fitting connections. Ceiling rose/bulb holder/Backalite connector as required.	40.00	NOS.	315.00	945.00	150.00	450.00	1,395.00
4.0	Two way light points, HMS - 20 mm Dia PVC pipe Copper conductor FRLS wire 1.5 sq. mm. size for PNE. (Average Point Length 10 meter). Flexible PVC pipe inclusive of suitable wire for fitting connections. Ceiling rose/bulb holder/Backalite connector as required.	5.00	NOS.	1,950.00	7,800.00	300.00	1,200.00	9,000.00



SR.NO.	PARTICULARS	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	ERECTION RATE	ERECTION AMOUNT	TOTAL AMOUNT
5.0	One way Ceiling Fan points, HMS - 20 mm Dia PVC pipe Copper conductor FRLS wire 1.5 sq. mm. size for PNE. Modular switch with Capacitor type Regulator, mounting plate and box. (Average Point Length 7.5 meter). Flexible PVC pipe inclusive of suitable wire for fitting connections. <i>Ceiling rose / Backalite connector as required.</i>	20.00	NOS.	1,100.00	5,500.00	175.00	875.00	6,375.00
6.0	One way Exhaust Fan points, HMS - 20 mm Dia PVC pipe Copper conductor FRLS wire 1.5 sq. mm. size for PNE. Modular switch with mounting plate and box.(Average Point Length 5 meter). Flexible PVC pipe inclusive of suitable wire for fitting connections. <i>Ceiling rose / Backalite connector as required.</i>	20.00	NOS.	815.00	4,890.00	175.00	1,050.00	5,940.00
7.0	Supply, installation, testing and commissioning PROJECTOR POINT Using 4 sq. mm. wires for single phase Load main with 2.5 sq. mm. earthing for power .	5.00	NOS.	775.00	5,425.00	350.00	2,450.00	7,875.00
8.0	1.7 Wiring Accessories							
9.0	Supply, installation, testing and commissioning of 6 A Switch Sockets ( 2 switch and 2 socket ) controlled by modular switches mounted on ms boxes for TV points along <i>with all necessary assembly.</i>	7.00	NOS.	765.00	6,885.00	250.00	2,250.00	9,135.00
10.0	Supply, installation, testing and commissioning of 6 A Switch Sockets ( 1 switch and 1 socket ) controlled by modular switches mounted on ms boxes. HALF POINTS	10.00	NOS.	210.00	2,100.00	95.00	950.00	3,050.00
11.0	Supply, installation, testing and commissioning of 16 A Switch Sockets ( 1 switch and 1 socket ) controlled by modular switches mounted on ms boxes. Full Point	40.00	NOS.	475.00	5,225.00	150.00	1,650.00	6,875.00
12.0	Supply, installation, testing and commissioning of 6 A Universal Switch Sockets ( 1 switch and 1 socket for Raw Power ) controlled by modular switches mounted on ms boxes.	40.00	NOS.	210.00	2,520.00	95.00	1,140.00	3,660.00
13.0	Supply, installation, testing and commissioning of 6/16 A Universal Switch Sockets ( 3 switch and 3 socket for Raw Power ) controlled by modular switches mounted on ms boxes.	40.00	NOS.	1,750.00	22,750.00	185.00	2,405.00	25,155.00
14.0	Supply, installation, testing and commissioning of 6 A Universal Switch Sockets ( 1 switch and 1 socket (BLACK) for UPS Power ) controlled by modular switches mounted on ms boxes.	8.00	NOS.	559.00	7,826.00	350.00	4,900.00	12,726.00
15.0	Supply, installation, testing and commissioning of 6/16 A Universal Switch Sockets ( 2 switch and 2 socket (BLACK) for UPS Power ) controlled by modular switches mounted on ms boxes.	40.00	NOS.	1,025.00	15,375.00	250.00	3,750.00	19,125.00
16.0	Supply, installation, testing and commissioning of 6/16 A Universal Switch Sockets ( 3 switch and 3 socket (BLACK) for UPS Power ) controlled by modular switches mounted on ms boxes.	3.00	NOS.	1,560.00	24,960.00	350.00	5,600.00	30,560.00



SR.NO.	PARTICULARS	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	ERECTION RATE	ERECTION AMOUNT	TOTAL AMOUNT
17.0	Supply, installation, testing and commissioning of 3 Nos of 6A Universal Sockets controlled by 1 No of modular switch mounted on ms boxes. (For COMPUTERS)	40.00	NOS.	890.00	15,130.00	350.00	5,950.00	21,080.00
18.0	Supply, Installation of testing and commissioning of POPUP BOX CONTAINS 1 DATA POINT +1 TELEPHONE POINT+ 1HDMI + 1VGA +1 AUDIO FOR CONFERENCE TABLE BRUSH STAINLESS STEEL FINISH		NOS.	6,325.00	1,13,850.00	399.00	7,182.00	1,21,032.00
	<b>TOTAL OF SECTION F</b>				<b>2,44,054.00</b>		<b>42,252.00</b>	<b>2,86,306.00</b>
	1.4 Mains on GI Bare Wire (WG-MA/GB)							
<b>G</b>	<b>POWER - MAINS</b>							
	Supply and laying of circuit Mains wiring using 1100V grade FRLS insulated multi strand copper wire laid through PVC pipes concealed / open piping system with necessary fixing accessories like bends, collars, junction boxes, clamps, spacers, etc., complete. Wiring shall be as per specifications.							
	<b>MAIN &amp; POWER WIRING</b>							
1.0	2 wires of 2.5 sq. mm. (P+N) + 1 wire of 1.5sq.mm. (E) (Rate of pipe is taken in separate item)	300.00	Rmt	55.00	16,500.00	10.00	3,000.00	19,500.00
2.0	2 wires of 4 sq. mm. (P+N) + 1 wire of 2.5sq.mm. (E) (Rate of pipe is taken in separate item)	300.00	Rmt	70.00	21,000.00	15.00	4,500.00	25,500.00
3.0	2 wires of 6 sq. mm. (P+N) + 1 wire of 2.5sq.mm. (E) (Rate of pipe is taken in separate item)	200.00	Rmt	123.00	24,600.00	15.00	3,000.00	27,600.00
4.0	MMS grade 20 mm dia, Black/Gray PVC Pipe	170.00	Rmt	29.00	4,930.00	9.00	1,530.00	6,460.00
5.0	MMS grade 25 mm dia, Black/Gray PVC Pipe	230.00	Rmt	39.00	8,970.00	9.00	2,070.00	11,040.00
	<b>TOTAL OF SECTION G</b>				<b>76,000.00</b>		<b>14,100.00</b>	<b>90,100.00</b>
<b>H</b>	<b>SUPPORTING ARRANGEMENT , STRUCTURAL STEEL FABRICATION WORK</b>							
	Supply, transport, unloading, shifting & installation of supporting arrangement for Cable tray in office area. Single Slotted Channel - 100-600 MM WIDE	536.00	Mtrs	145.00	77,720.00	40.00	21,440.00	99,160.00
	Supply & fixing of 8 mm threaded road.	716.00	Mtrs	150.00	1,07,400.00	40.00	28,640.00	1,36,040.00
	Spring Nut - M10 (Only Nut)	2,864.00	Nos.	2.50	7,160.00	1.00	2,864.00	10,024.00
	<b>TOTAL OF SECTION K</b>				<b>1,92,280.00</b>		<b>52,944.00</b>	<b>2,45,224.00</b>



SR.NO.	PARTICULARS	QTY	UNIT	MATERIAL RATE	MATERIAL AMOUNT	ERECTION RATE	ERECTION AMOUNT	TOTAL AMOUNT
	1.10 Telephone, Audio and Video Wiring (WG TW/TW)							
<b>I</b>	<b>DATA NETWORKING</b>							
	Supply , Installation, Testing and Commissioning of 2 Pair Telephone Cable (UNARMOURED)	3,120.00	MTRS.	9.40	29,328.00	5.00	-	29,328.00
	Supply , Installation, Testing and Commissioning of 20 Pair Telephone Cable (UNARMOURED)	50.00	MTRS.	98.00	4,900.00	20.00	-	4,900.00
	Supply, installation, testing and commissioning of MMS -25 mm Dia PVC PIPE for laying wires and cables mentioned in above sections including cost of junction boxes, bends, elbows, sockets, tees etc. laying in slab, cutting chassis and making good or surface mounted including all fixing hardware.	300.00	MTRS.	105.00	31,500.00	10.00	-	31,500.00
	<b>TOTAL OF SECTION M</b>				<b>65,728.00</b>		<b>-</b>	<b>65,728.00</b>
	<b>SUMMARY OF ELECTRICAL SITC</b>							
1.0	POWER DISTRIBUTION PANEL				1,65,000.00		2,500.00	1,67,500.00
2.0	READYMADE DISTRIBUTION BOARD				1,13,604.00		5,900.00	1,19,504.00
3.0	CABLE AND END TERMINATION				9,36,878.00		1,15,991.00	10,52,869.00
4.0	EARTHING STATIONS				1,49,508.00		66,784.00	2,16,292.00
5.0	LIGHTENING PROTECTION SYSTEM				65,086.00		24,698.52	89,784.52
6.0	POINT WIRING				2,44,054.00		42,252.00	2,86,306.00
7.0	POWER - MAINS				76,000.00		14,100.00	90,100.00
8.0	SUPPORTING ARRANGEMENT , STRUCTURAL STEEL FABRICATION WORK				1,92,280.00		52,944.00	2,45,224.00
-	DATA NETWORKING				65,728.00		-	65,728.00
	TOTAL AMOUNT OF WORK				20,08,138.00		3,25,169.52	23,33,307.52
	GST 18%							4,19,995.35
	TOTAL PROJECT COST INCLUSIVE TAXES							27,53,302.87

