

KERALA CRICKET ASSOCIATION

TENDER SCHEDULE

CONSTRUCTION OF KCA CRICKET GROUND, MANGALAPURAM, TRIVANDRUM

Name of Work :- LT Electrification System at KCA Cricket Ground, Mangalapuram, Thiruvananthapuram

Name and address of the Tenderer

Sl No.	Description of item	Unit	Qty	Rate	Amount (INR)	Remarks
1	WIRING					
1	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.	Point	58.00		-	
2	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.	Each	10.00		-	

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3	Wiring for stair case light points with 2.5 sq.mm FRLS PVC insulated copper conductor single core cable in and including surface / recessed medium class PVC conduit and all accessories required for complete installation etc , with 1 way modular switch, modular plate, suitable GI box medium class PVC conduit and all accessories required etc and earthing the point with 2.5 sq.mm FRLS PVC insulated copper conductor single core cable etc as required and instructed by engineer in charge/consultant. (Note - Staircase light point shall be controlled by a single switch located inside fire control room in ground floor as per latest fire norms)	RO				
3.01	One light point controlled by one way switch (at ground floor)	Point	2.00		-	
3.02	Loop wiring for Light point	Point	2.00		-	
4.00	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.					
4.01	2 x 1.5 sq.mm + 1 x 1.5 sq.mm earth wire	m	420.00		-	
4.02	2 x 2.5 sq.mm + 1 x 2.5 sq.mm earth wire	m	310.00		-	
4.03	2 x 4 sq.mm + 1 x 4 sq.mm earth wire	m	59.00		-	
4.04	2 x 6 sq.mm + 1 x 6 sq.mm earth wire	m	RO		-	
5.00	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	3.00		-	
6	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	-		-	
7	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 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	Each	1.00		-	

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8	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 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	20.00			-
9	Supply and fixing 3 pin, 6A ceiling rose on the existing junction box / wooden block including connection etc as required.	Each	3.00			-
10	Installation, testing and commissioning of pre-wired, fluorescent / LED fitting / compact fluorescent / LED fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall/false ceiling, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	8.00			-
11	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	Each	3.00			-
Total cost for Wiring in Rs						-
II	MCB & DBs					
12	Supplying and fixing following way, single pole and neutral , sheet steel, MCB distribution board, 240 V, 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)					
12.01	8 way double door	Nos	1.00			-
12.02	12 way double door	Nos	2.00			-
13	Supplying and fixing following way, horizontal type three pole and neutral , sheet steel, MCB distribution board, 415 V, 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)					
13.01	4 way (8 + 12), Double door	Nos	1.00			-
13.02	6 way (8 + 18), Double door	Nos	1.00			-

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14	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "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.					
14.01	Single pole	Each	52.00		-	
15	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	Each	1.00		-	
16	Providing and fixing H.T. danger notice plate of 250 mm X 200 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	Each	2.00		-	
Total cost for MCB's & Distribution Board in Rs					-	
III	CABLE TRAY					
17	Supply and fixing of Perforated Cable tray with horizontal & vertical bends, reducers, Tee's, cross over, suitable supports and brackets and other accessories as required conforming to IEC-61537. The Tray shall be galvanized for corrosion protection conforming to DIN EN 10346 / ISO 1461. The trays should be tested for a max. safe working load of 150 Kgs with a span distance of 1.5 meters and the deflection should be within the limits as per standard. The safety factor shall be 1.7 times of the safe working load. The perforated tray shall be supplied with the standard length of 3 Mtr. Make: OBO Bettermann or Equivalent					
17.01	100 mm width x 60mm Height	m	28.00		-	
17.02	200 mm width x 60mm Height	m	33.00		-	

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18	Supply and fixing of Cable Ladder with horizontal & vertical bends, reducers, Tee's, Cross over, supports, brackets and other accessories as required confirming to IEC-61537. The Cable Ladder shall be made of 1.5mm thick sheet steel upto 600mm & 2.0mm thick upto 1000mm. The cable Ladder shall be galvanized for corrosion protection confirming to ISO 1461. The cable ladder should be tested for safe working load of 225 Kg/ Mtr with a span distance of 2 Mtr the deflection should be within the limits as per standard. The cable ladder shall be supplied in standard length of 3000 mm. The rung size shall be of 30x15mm size suitable for fixing the cable clamps the space between the rungs shall be 300mm.					
18.01	450 mm Width x 75 mm Height	m	88.00		-	
	Total cost for Cable tray in Rs				-	
IV	MV CABLE SUPPLY, LAYING & END TERMINATION					
	LT CABLE SUPPLY					
19.00	Supply of the following size 1.1kV grade XLPE insulated PVC sheathed, armoured Aluminium conductor power cable confirming to IS 7098 (part 1) ammended upto date.					
19.01	3.5cx185sq.mm Al Cable	m	102.00		-	
19.02	3.5cx150sq.mm Al Cable	m	22.00		-	
19.03	3.5cx120sq.mm Al Cable	m	13.00		-	
19.04	3.5cx50sq.mm Al Cable	m	300.00		-	
19.05	4x16sq.mm Al Cable	m	30.00		-	
19.06	4x6sq.mm Al Cable	m	104.00		-	
19.07	4x4sq.mm Al Cable	m	1,200.00		-	
19.08	2x25sq.mm Al Cable	m	204.00		-	
19.09	2x6sq.mm Al Cable	m	156.00		-	
19.10	12x2.5sq.mm Cu Control Cable	m	18.00		-	
	MV CABLE LAYING					

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20.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.					
20.01	Upto 35 sq. mm	m	828.00		-	
20.02	Above 35 sq. mm and upto 95 sq. mm	m	150.00		-	
21.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing Trench / RCC / Hume / Metal pipe as required.					
21.01	Upto 35 sq. mm	m	730.00		-	
21.02	Above 35 sq. mm and upto 95 sq. mm	m	110.00		-	
21.03	Above 95 sq. mm and upto 185 sq. mm	m	117.00		-	
22	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size on wall surface as required.					
22.01	Upto 35 sq. mm (clamped with 1mm thick saddle)	m	35.00		-	
22.02	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	m	20.00		-	
22.03	Above 95 sq. mm and upto 185 sq. mm (clamped with 25/ 40x3mm MS flat clamp)	m	10.00		-	
22	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size on cable tray as required.					
22.01	Upto 35 sq. mm (clamped with 1mm thick saddle)	m	25.00		-	
22.02	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	m	20.00		-	
22.03	Above 95 sq. mm and upto 185 sq. mm (clamped with 25/ 40x3mm MS flat clamp)	m	10.00		-	
	MV CABLE JOINTING & END TERMINATION					
24	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 1.1 kV grade as required.					

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24.01	3.5cx185 sq.mm	Nos	4.00			-		
24.02	3.5cx150 sq.mm	Nos	2.00			-		
24.03	3.5cx120 sq.mm	Nos	2.00			-		
24.04	3.5cx50 sq.mm	Nos	4.00			-		
24.05	4cx16 sq mm	Nos	2.00			-		
24.06	4cx6 sq mm	Nos	2.00			-		
24.07	4cx4 sq mm	Nos	10.00			-		
24.08	2cx25 sq mm	Nos	2.00			-		
24.09	2cx6 sq mm	Nos	4.00			-		
24.10	12Cx2.5 Sqmm Control cable	Nos	2.00			-		
	Total cost for MV Cable Suppy, Laying, & End Termination in Rs.						-	
V	LT PANELS							
25	MAIN PANEL							
	Fabrication, supply, erection, testing and commissioning of cubicle type, dust and vermin proof, floor mounted, front operated MV Main panel board made out of 14 SWG thick CRCA sheet (7 tank treatment) fully compartmentalised complete with hinged and earthed front doors with name plate, danger notice board, heavy duty rubber gaskets, removable gland plates made out of 3mm thick sheet steel including all components as shown in the schematic drawing. All opening parts of the panel shall be sealable.							
	Incomers							
	EB Incomer 1 - 320A, 36kA, FP Microprocessor based MCCB with 3 O/C and 1 E/F releases. Standby low set E/F relay with CT at neutral earthing conductor + 320A, FP, AC1 CONTACTOR - 1 Set.							
	DG Incomer 1 - 250A, 36kA, FP Microprocessor based MCCB with low set E/F relay with CT at neutral earthing conductor + 250A FP AC1 CONTACTOR - 1 Set.							
	320A, 415V, 36kA best conductivity Al TPN bus bar with SMC supports, heat shrinkable sleeves etc complete as required. Necessary interlocking arrangement							

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	Multi function digital LED meters with accuracy class 1, with necessary CT and accessories for measuring Voltage,Current, Frequency, kW, KVA, kVAr, kWh, kVAh, kVArh, PF, Runhr, Onhr, Interupts, Phase angle, THD, Neutral current, Max Demand (with RTC),Events (high-low) with time stamp,Individual Harmonics upto 31st, Meter with Ethernet port - 2 Sets					
	Supply, erection, testing & commisioning of Auto Mains Failure system for the DG set including necessary AUX contactor or Relay, Relay Module, DIN Rail, Selector Switch, Push Button, Terminal, Indication lamp, Legs, End plate, Stopper, 1.5 Ferule, Screw, Neutral link, 2.5 Sqmm wire, 1.5 Sqmm wire, Cable tie, Tie mount and all other accesories and componets as required for complete installation and as instructed by engineer in charge/consultant.					
	RYB phase indicating LED lamps with control fuses and switches - 2 set.					
	Class B & Class C / Class 1 & Class 2 Surge arrestor device with necessary HRC Fuse for back-up protection - 1 Set.					
	Outgoings					
	250A, 25kA, TP+NL Thermal Magnetic based MCCB - 2 Nos.					
	200A, 25kA, TP+NL Thermal Magnetic based MCCB - 3 Nos.					
	100A, 25kA, TP+NL Thermal Magnetic based MCCB - 1 No.					
	Supply, Installation, Testing and Commisioning	Each	1.00		-	
26	DG PANEL - OUTDOOR					
	Fabrication, supply, erection, testing and commissioning of cubicle type, outdoor, dust and vermin proof, floor mounted, front operated MV Main panel board made out of 14 SWG thick CRCA sheet (7 tank treatment) fully compartmentalised complete with hinged and earthed front doors with name plate, danger notice board, heavy duty rubber gaskets, removable gland plates made out of 3mm thick sheet steel including all components as shown in the schematic drawing. All opening parts of the panel shall be sealable.					
	Incomers					

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	DG Incomer 1 & 2 - 250A, 36KA, FP Microprocessor based MCCB with standby low set earth fault relay using CT in neutral earthing conductor + 250A, FP, AC1 contactor - 2 Set					
	250A 415V, 36kA best conductivity Al TPN bus bar with SMC supports, heat shrinkable sleeves etc complete as required with necessary interlocking arrangement as per the schematic layout.					
	Multi function digital LED meters with accuracy class 1, with necessary CT and accessories for measuring Voltage, current, Frequency, Power Factor, kW, kVA, Old energy, On hours, site selectable kWh/kVAh - 2 set					
	RYB phase indicating LED lamps with control fuses and switches - 2 set.					
	Class B+C / Class 1 + 2 Surge arrestor device with necessary rating MCB for back-up protection - 1 No.					
	Outgoings					
	250A, 25kA, TP+NL Thermal Magnetic Based MCCB - 2 Nos					
	Supply, Installation, Testing and Commissioning	Each	1.00		-	
27	YARD LIGHT PANEL					
	Fabrication, supply, erection, testing and commissioning of cubicle type, dust and vermin proof, floor mounted, front operated MV Main panel board made out of 16 SWG thick CRCA sheet (7 tank treatment) fully compartmentalised complete with hinged and earthed front doors with name plate, danger notice board, heavy duty rubber gaskets, removable gland plates made out of 3mm thick sheet steel including all components as shown in the schematic drawing. All opening parts of the panel shall be sealable.					
	Incomer - 25A, FP MCB Isolator - 1No.					
	25A, 415V, 10 kA best conductivity Al TPN bus bar with SMC supports, heat shrinkable sleeves etc complete as required.					
	RYB phase indicating LED lamps with control fuses and switches - 1 set.					

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	Digital Time Switch with Astronomical function: Digital Time-switch with Astronomical function For switching on/off lights and other electric devices according to the rising/setting of the sun. Daily astronomical calculation of the sunrise/sunset times based on the entered location or location coordinates etc. with suitable connection as required					
	Outgoing					
	6 - 32 A, TP MCB - 6 Nos.					
	6 - 32 A, FP Contactor - 4 Nos.					
	Supply, Installation, Testing and Commissioning	Each	1.00		-	
28	SUBMAIN DISTRIBUTION BOARD (SMDB) - OTHERS					
	Supply, erection, testing and commissioning of wall mounting type, double door 3 Phase 6 Way SMDB of approved make IP43 and quality with cable end box, meter module including busbar, neutral link and DIN bar with all accessories etc complete with all connections and inter-connections as shown in the schematic drawing, providing all connections and interconnections as required and providing all accessories as required for complete installation as instructed by engineer in charge/consultant.					
	Incomer - 100A, 25kA, FP Thermal Magnetic Based MCCB - 1No.					
	100A 415V 25kA best conductivity Al TPN bus bar with SMC supports, heat shrinkable sleeves etc complete as required.					
	Prewired digital meter module including all meters, necessary CT and indicating lamps - 1 Set.					
	Cable alley - 2 Set.					
	Outgoings					
	63A, 16kA, TP Thermal Magnetic Based MCCB - 2 Nos.					
	40A, 16kA, TP Thermal Magnetic Based MCCB - 2 Nos.					
	25A, 16kA, TP Thermal Magnetic Based MCCB - 1 No.					
	25A, 16kA, SP Thermal Magnetic Based MCCB - 3 Nos.					
	Supply, Installation, Testing and Commissioning	Each	1.00		-	
	Total cost for LT Panels in Rs				-	

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VI	LIGHT & FAN FIXTURES					
29	INTERIOR LIGHT FIXTURES					
29.01	Supply of 20W , Luminaire lumen ≥ 2000 lumens (100 lm/W) , High efficient LED batten surface/wall mounted Specially designed Co-extruded channel in thermally conductive material with plastic with HET diffuser. In-built electronic driver duly wired up to terminal block.IP20, CRI >80, Temperature range-0 to 50DegC, Driver efficiency>85%, Power factor>0.9, CCT - 6500K, THD<20%, Surge protection 2kV, 50000 burning hours as per L70 Criteria, Multistage Isolated Constant Current operated driver with range 150-270V AC and Safety Extra Low Voltage Safe level<60V DC as per IEC standard.Wipro LL20-221-XXX-65NE3 or Equivalent approved make	Each	17.00		-	
29.02	Supply of 20W Linear Industrial Batten with a nominal system lumen output of 500 lumens. System wattage should not exceed 20W. The luminaire shall have a rated system lifetime of 50,000 burning hours at 70. The luminaire should have a color temperature of 5700K and CRI>80. Driver of the luminaire shall have THD < 20% and PF > 0.95. The heat sink should be made of Extruded thermally polycarbonate and the luminaire optics shall have a high efficiency PC diffuser. The light fixture including driver shall comply to IEC and IS. Similar to Wipro Make Model No: LL24-251-XXX-57-XX or equivalent.	Each	3.00		-	
29.03	Supply of 9W Surface mounted round LED Downlighter , high efficiency with a nominal system lumen output of 300 lumens. Luminaire wattage should not exceed 9W. The luminaire should have a CRI>80. Driver of the luminaire shall have THD<20% and PF > 0.9, CCT - 5700. The heat sink should be made of die cast aluminium and the luminaire optics shall have a high efficiency PC diffuser. Aesthetically designed 1X1 LED flat panel of surface mounting which provides soft-light and glare free symmetrical illumination. Similar to wipro make Model No: LD06-111XXX-57SMG1 or equivalent.	Each	6.00		-	

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29.04	Supply of 15W LED DOWNLIGHTER with a nominal system lumen output of minimum 500 lumens. System wattage should not exceed 15W. The luminaire shall have a rated system lifetime of 50,000 burning hours. The luminaire should have a color temperature of 5700K and CRI>80. Driver of the luminaire shall have THD < 10% and PF > 0.95. Housing shall be CRCA powder coated with PMMA diffuser. Driver shall have 85% efficiency. Similar to Wipro Make : LD06171XXX-57SMG1 or Equivalent	Each	13.00		-	
29.05	Supply of 15W LED DOWNLIGHTER with a nominal system lumen output of minimum 500 lumens. System wattage should not exceed 15W. The luminaire shall have a rated system lifetime of 50,000 burning hours. The luminaire should have a color temperature of 6000K and CRI>80. Driver of the luminaire shall have THD < 10% and PF > 0.95. Housing shall be CRCA powder coated with PMMA diffuser. Driver shall have 85% efficiency. Similar to Wipro Make : LD80-131-XXX-60-SM or Equivalent	Each	2.00		-	
29.06	Supply of Mirror Light , high efficiency with a nominal system lumen output of 760 lumens. Luminaire wattage should not exceed 9W. The luminaire should have a CRI > 80. Driver of the luminaire shall have THD < 10% and PF > 0.9. Slim LED batten in aluminium housing and decorative end caps. Robust driver with wide voltage range 100-240 volts and inbuilt protection. Aesthetically designed mirror LED light fixture of 4000 K, of surface mounting which provides soft-light and glare free symmetrical illumination. Similar to Model number LIGHT LL24-541-XXX-57-CD of wipro make or equivalent.	Each	4.00		-	

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29.07	Supply of LED Bulk Head Luminaire with max wattage of 10W with system lumens not less than 300 Lumes. The luminaire shall have a rated system lifetime of 50,000 burning hours at L70. Housing shall be pressure die cast aluminum with IP 65 rating. luminaire should have a color temperature of 5700K and CRI>80. Driver of the luminaire shall have THD<10% and PF >0.9. There should be in-built surge protection upto 2 KV. The LED Shall be ANSI Bin C78.377A and IEC62471 with class1 electrical insulation. Similar to Wipro Make LW07-141-XXX-57-XX or Equivalent.	Each	9.00		-	
30.00	EXTERIOR LIGHT FIXTURES					
30.01	Supply, fixing, testing and commissioning of octagonal poles of approved Make having top dia 70 mm, bottom dia 130 mm, Sheet thickness 3 mm, pitch circle dia (PCD) of 200 mm, Base plate diamentions 200mm length x 200mm bredth x 12mm thickness, EN8 grade Foundation bolts of size 4 x 20 mm dia, having bolt length of 600 mm. The Octagonal Poles shall be designed to withstand the maximum wind speed as per IS 875 part III fixed head frame including round arm luminary carriage suitable to install 4/6 nos luminaries in symmetrical arrangement including connector foundation bolt 4 nos existing RCC foundation and junction box etc.Fabrication, supply, conveyance, installation testing and commissioning of floor or wall mounting, cubicle type MV panel board comprising suitable size MCB/isolator extra are also required with 1.5 sq mm 3 core flexible copper wire suitable for drawing.					

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	Supply and clamping the following size of corrugated pvc flexible conduit with necessary locking ring and check nut at termination pointed using suitable size GI/painted MS saddles spacing not exceeding 60 cms on surface including making good the damages, colour washing etc.as required					
32.01	20mm dia	m	50.00		-	
32.02	25mm dia	m	30.00		-	
32.03	32mm dia	m	10.00		-	
32.04	40mm dia	m	10.00		-	
33	RCBO					
	Supplying, fixing, testing and commissioning following four pole and double pole , 415 volts and 240 volts, residual current circuit breaker with overload protection (RCBO) of the following rating and sensitivity current in the existing MCB SPN and TPN horizontal/vertical DB's complete with connections, etc. as required and instructed by engineer in charge/consultant.					
33.01	25A 30mA DP RCBO	Each	3.00		-	
33.02	25A 30mA FP RCBO	Each	2.00		-	
	Total cost for Miscellaneous in Rs				-	
VIII	EARTHING PROTECTION					
	EARTHING					
34	Supply, installation and tesing of 1200mmx1200mmx12mm CI plate electrode earth station conforming to IS:3043-1987 / NEC / IEE complete with brick masonry chamber, CI cover, CI frame, GI watering pipe of 50 mm dia with funnel having 20G GI wire mesh etc. The CI cover frame/ chamber shall be of 1000mm x 500mm x 600mm size. CI manhole cover with frame shall be painted with bitumastic paint, identification of earthpit with yellow paint below the chamber cover, mixtures of charcoal & common salt around electrode including digging of pit up to permanent moisture level but not less than 3 metre depth and back filling. (value of earth resistance should be less than 1 ohm)	Each	10.00		-	

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35	Supply and laying the following sizes of Cu strips laid 0.6 m below ground level including excavating trench of suitable size and refilling, including necessary clamps and bolts etc and all accessories as required for complete installation as instructed by engineer in charge/consultant.					
35.01	25x3 Cu strips tinned at the joints	m	60.00		-	
35.02	25x6 Cu strips tinned at the joints	m	143.00		-	
36	Supply and laying the following sizes of earthing bare copper/strips on cable tray or wall surface, including necessary clamps (each clamp not exceeding 60 cm) and bolts etc as required for complete installation as instructed by engineer in charge/consultant.					
36.01	25x6 Cu strips tinned at the joints	m	77.00		-	
	Total cost for Earthing protection in Rs				-	
IX	SAFETY EQUIPMENTS					
37	Supply and fixing of 4 Kg ABC Dry Powder (Stored Pressure) Type Fire Extinguisher. pressurized with dry nitrogen gas at 15 bar. Design, construction and testing as per IS 2171-1999 external epoxy powder coating with PO Red Shade No. 538 of IS 5, Supplied with standard accessories.	Each	2.00		-	
38	Supply and providing 2/3 mm thick sythetic type and 1 m wide electrical grade chequered type rubber mat to withstand 3.3 kV dielectric strength conforming to IS 5429/1969.	Sqm	46.00		-	
39	Supply and providing First Aid Box.	Each	2.00		-	
40	Supply and providing laminated First Aid chart duly framed and placed in a conspicuous location for clear vision.	Each	1.00		-	
41	Supply & fixing Laminated drawings of electrical lay out, schematic drawing etc on good frame work.	LS	1.00		-	
42	Supply and providing MS chequered plate of suitable thickness including cutting, welding, painting etc. as required for cable duct covering etc.	sqm	5.00		-	

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43	Supplying and installing at approved location approved make fire buckets of 24 gauge galvanized steel sheet, standard 9 litre capacity and of round bottom shape, painted white inside and red outside and black on the bottom, inscribed with letters "FIRE" in black and gold or , duly painted over a coat of primer. Cost inclusive of providing 3 Nos of fire buckes and MS stand frame.	SET	1.00		-	
44	PREPARATION OF ALL DRAWINGS				-	
	Preparation of all drawings submitting and getting approval from Electrical Inspectorate, submitting of Completion certificates and arranging inspection, getting sanctions and energisation certificates, test reports. Preperation of shop drawings for execution at site and getting the approved by engineer in charge/consultant before execution at site, preperation of As-built drawings of installation upon completion. Obtaining manuals, technical details,as-built/GA drawings of all equipments from concerned and also obtaining all necessary sanctions from relevant regulatory boards, submitting of test certificates of all equipments obtaining power allocation & power connection etc. for commissioning of the whole installation in the premises. All statutory payments will be reimbursed on production of the original receipts.	LS	1.00		-	
	Total cost for safety equipments & drawing preparation in Rs				-	

sl.no.	ITEM DESCRIPTION				Amount in Rupees	
I	WIRING				-	
II	MCCB, MCB AND DBS				-	
III	CABLE TRAY				-	
IV	MV CABLE SUPPLY, LAYING AND END TERMINATION				-	

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V	LT PANELS				-	
VI	LIGHT FITTINGS AND FANS				-	
VII	MISCELLANEOUS ITEMS				-	
VIII	EARTHING AND LIGHTING PROTECTION				-	
IX	SAFETY EQUIPMENTS				-	

TOTAL AMOUNT

-

GST - 18%

-

AMOUNT (INCLUDING GST)

-

Name and address of the Tenderer	
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