

By Speed Post / E-mail

Ref. No. AAI/CL/ENGG(E)/283/WO-07/187

Date: 09.10.2025

**M/s MPC Electricals & Engineers,
G2, Kanak Apartment, Pulak Vihar,
Near RTO Driving Track, Sukher,
UDAIPUR - 313 001.
Email : mpc_engg@yahoo.com**

Name of Work: Miscellaneous Works for E&M Installations.

**SH: SITC of LED Lights and Miscellaneous Substation Works at
Calicut Intl. Airport.**

Ref: Your financial bid opened on 19.09.2025

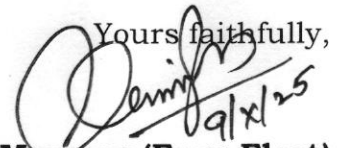
Dear Sir(s),

1. Your e-tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India at the item rates quoted by you after negotiation totaling to **Rs. 2,15,11,900/- (Rupees Two Crore Fifteen Lakhs Eleven Thousand and Nine Hundred only) (excluding GST) which is 11% below the justified cost of Rs. 2,41,52,621/-**
2. Senior Manager (Engg-Elect), AAI, Calicut International Airport shall be the Engineer-in-Charge of the work. You are requested to attend the office of Senior Manager (Engg-Elect), AAI, Calicut International Airport by **17.10.2025** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value **Rs.200/- (Rupees Two Hundred only)** and the cost of the stamp paper shall be borne by you.
3. The earnest money deposited by you along with tender will be released by AAI through NIC-CPP portal on processing your RA bills. Please deposit **Rs.21,51,190/- (Rupees Twenty One Lakhs Fifty One Thousand One Hundred and Ninety only)** towards security deposit within 10 days from the date of issue of this letter failing which, the same will be deducted as per condition of Clause No.1 A at page No. GCC 16 of contract document.
4. Within 30 days of issue of acceptance letter you shall submit to AAI, a Performance Guarantee as per condition of Clause 9 on page SCC 3 for an amount of Rs.....(Rupees.....Only) in the form of Bank Guarantee on the Proforma appended at Annexure ...onof Contract Document (If it is applicable).

5. You are requested to comply with the provisions of Contract Labour (Regulation and Abolition) Act of 1970 and Contract Labour (Regulation and Abolition) Central Rules 1971 Child Labour (Prohibition & Regulation) Act 1986, Construction of Works (Regulation of Employment and Condition of Services) Act 1996, Building and other construction Workers Welfare Cess Act 1996 as specified in Clause 37 on Page No.67 & 89 of GCC of tender and rules of Central and State Government.
6. You are also directed to contact Manager (Engg-Elect), AAI, Calicut International Airport immediately who will arrange to hand over the site.
7. Please note that the time allowed for carrying out the work shall be **06 (Six) Months** and same shall be reckoned from the 10th day of issue of this letter.
8. Any further correspondence in connection with the contract should normally be addressed to the Engineer- In- Charge.
9. Please note that the awarded rate is exclusive of GST and you are required to submit valid GST invoices for effecting payment.
10. AAI has registered as a buyer under TREDS and vendors may avail the benefits of TREDS, a govt. of India initiative
11. The period within which payment would be released to MSME vendors after submission /processing of invoices/claims is 45 days.
12. Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as a token of acceptance.

Thanking you,

Encl: SOQ

Yours faithfully,


Senior Manager (Engg-Elect)
For and on behalf of the Chairman
Airports Authority of India

Airports Authority of India
Engineering Wing (Electrical)
SR, Calicut International Airport, Calicut-673 647
SCHEDULE OF QUANTITIES

Name of work : Miscellaneous Works for E&M Installations.

SH : SITC of LED Lights and Miscellaneous Substation Works at Calicut International Airport.

Sl. No	Item Description	Qty	Unit	Rate	Amount
1	Supply of 30W outdoor LED Street light fixture with epoxy powder coated pressure die-cast aluminium housing, weather proof gaskets for LEDs & control gear compartment luminaires having at least 120 lumen/watt., high efficiency diffuser, CCT-5700K, LED lamp of approved make complete with internally enclosed/encapsulated electronic driver, with operating voltage range of 140V to 270V, PF $\geq$ 0.95 @ full load, THD $\leq$ 10% @ full load, inbuilt surge protection device 4kv + 10kV SPD externally in suitable enclosure and accessories etc., suitable for operation of 230 V, 50Hz AC supply in outdoor applications with 5 years warranty, conforming to IP 66 or higher, complete as per technical specifications. The Luminaire and driver shall be BIS Approved. (Make:30W Crompton, model: Wanderer pro-CRP-417-45-30-SL-LM-NSG, Make: Bajaj, model Vista P 39L WH PO PC SD or equivalent, Make: Philips, model BRP273 LED46 CW M2SLR PSU S3)	50	Each	1,160.00	58,000.00
2	Supply of 50W outdoor LED Flood light fixture with high pressure die-cast aluminium housing, high efficiency diffuser, CCT - 5700K, LED of approved make, internally enclosed/encapsulated constant current electronic driver, with operating voltage range of 140V to 270V, PF $\geq$ 0.95 @ full load, THD $\leq$ 10% @ full load, prewired up to the terminal block complete with all necessary accessories suitable for operation of 230 V, 50Hz AC supply as required. The luminaire shall have efficacy >110 lumens/ watt, inbuilt Surge protection device of min 4 kV + 10 kV SPD externally in suitable enclosure, with 5 years warranty, conforming to IP 66 or higher, complete as per technical specifications. The Luminaire and driver shall be BIS Approved. (Make : Crompton, model: Rover- CFS-504-50-57-60D-SL-CL-NSG/ Make: Bajaj, model BJFL 50W LED or model GLEAM-XT F 60L WH NB-A3 PC SD or equivalent, Make: Philips, model BVP281 LED085 CW FGSY5WB 70W V1)	34	Each	1,910.00	64,940.00
3	Supply of 100W outdoor LED Flood light fixture with high pressure die-cast aluminium housing, toughened glass, high efficiency diffuser, CCT- 5700 K, LED of approved make, enclosed/encapsulated constant current electronic driver, with operating voltage range of 140V to 270V, PF $\geq$ 0.95 @ full load, THD $\leq$ 10% @ full load, prewired up to the terminal block complete with all necessary accessories suitable for operation of 230 V, 50Hz AC supply as required. The luminaire shall have at least 120 lumen/watt., inbuilt Surge protection device of min 4 kV + 10kV SPD externally in suitable enclosure, with 5 years warranty, conforming to IP 66 or higher, complete as per technical specifications. The Luminaire and driver shall be BIS Approved. (Make: Crompton, model: Rover Plus - CFS-504-100-57-60D-HL2-GL-NSG/ Make: Bajaj, model Praze F 120L WH NB-A5 TG SD or equivalent, Make: Philips, model BRP275 LED117 CW M2SLR PSU SPD S3)	27	Each	4,400.00	1,18,800.00

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Sl. No	Item Description	Qty	Unit	Rate	Amount
4	Supply of 200W outdoor LED Flood light fixture with high pressure die-cast aluminium housing, toughened glass, poly carbonate diffuser, CCT- 5700 K, LED of approved make, internally enclosed/encapsulated constant current electronic driver, with operating voltage range of 140V to 270V, PF $\geq$ 0.95 @ full load, THD $\leq$ 10% @ full load, prewired up to the terminal block complete with all necessary accessories suitable for operation of 230 V, 50Hz AC supply as required. The luminaire shall have at least 120 lumen/watt, inbuilt Surge protection device of min 4 kV + 10kV SPD externally in suitable enclosure, with 5 years warranty, conforming to IP 66 or higher, complete as per technical specifications. The Luminaire shall UV resistance non yellowing Polycarbonate/PMMA Lens to ensure desired photometry. Lens should be mechanically fixed and fixing by glue is not acceptable. The optics should be having a good Throw & Spread to achieve a better overall Uniformity and suitable for apron flood lighting. The Luminaire and driver shall be BIS Approved. (Make: Crompton, model SPECTACLE-PRO-CFS-511-200-57-60D-HL2-LM-NSG/ Make: Bajaj, model Praze F 240L WH NB-A5 TG SD or equivalent, Make: Philips, model BVP283 LED240 CW FGSY5WB 200W SPD V1)	106	Each	7,100.00	7,52,600.00
5	Supply of 350W outdoor LED Flood light fixture with high pressure die-cast aluminium housing, toughened glass, CCT 5700 K, LED lamp of approved make, internally enclosed/encapsulated constant current electronic driver, prewired up to the terminal block complete with all necessary accessories suitable for operation of 230 V, 50Hz AC supply as required. The housing should be of non-corrosive high-pressure single piece die-cast aluminum and polycarbonate diffuser, It should have corrosion resistant powder coating with PF > 0.95 The luminaire shall have at least 120 lumen/watt, inbuilt Surge protection device of min 4 kV+ 10kV SPD externally in suitable enclosure, with 5 years warranty, conforming to IP 66 or higher, IK 10 complete as per technical specifications. The Luminaire shall UV resistance non yellowing Polycarbonate/PMMA Lens to ensure desired photometry. Lens should be mechanically fixed and fixing by glue is not acceptable. The luminaire optics should be having a good Throw & Spread, reduced glare to achieve a better overall Uniformity and suitable for apron flood lighting. (Make: Crompton, model CHALLENGER PRO-CFS-512-350-57-60D-HL2-GL-NSG/ Make: Bajaj, model Praze F 420L WH NB-A5 TG SD or equivalent, Make: Philips, model BVP485 LED515 CWAWB A2 PSU GR SPD)	136	Each	14,300.00	19,44,800.00
6	Supply of suitable M S angle iron support / M.S channel iron of size 50x50x6mm/ 32X32X5 mm for providing supports for installation of LED flood lights.	1600	kg	350.00	5,60,000.00
7	Installation, testing and commissioning of LED flood light fitting of all types as per BOQ item No. 4 & 5 after fabrication of MS angle supports of height up to 1.5 meter (duly painted) over every PBB fixed finger complete with all accessories, fasteners etc. with suitable mounting arrangement like hook or clamp, including providing and connecting with 1.5 sq.mm FRLS 3 core copper cable with metal flexible upto length of 3meter per fitting etc. as required. Note: MS support supply will be measured in item 6. The work involves dismantling the existing fixtures if required.	90	Each	440.00	39,600.00

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Sl. No	Item Description	Qty	Unit	Rate	Amount
8	Supply and installation of 5 core 4 sq.mm copper trailing cable, (1.1kV Grade EPR Insulated PCP sheathed) of length suitable for 20 meter Bajaj make High mast installed in Calicut Airport. The job includes supply and installation of 5 core 4 sq.mm of minimum 45 meter length suitable for 20 mtr high mast including full set of metal shell connectors (minimum 5 pin (3 set)) , using suitable equipments , tools , safety harness etc complete as required for replacement of the trailing cable complete as required. The job includes removal of existing trailing cable and also involves fixing of required flood lights (item No.5), looping cable of 3CX1.5 sq.mm Cu cable with metal flexible conduit from terminal block to fitting and removal of existing flood lights from the high mast and shifting to AAI store complete etc. as required.	9	Job	62,000.00	5,58,000.00
9	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
(a)	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	800	Mtr	350.00	2,80,000.00
10	Supplying of XLPE insulated, PVC sheathed, armoured Aluminium conductor Power Cable of 1.1 KV grade of following size etc as per IS 7098 Part-I 1988 with upto date amendments etc as required.				
(a)	4 C x 16 sq mm	2500	Mtr	224.00	5,60,000.00
(b)	3.5 C x 185 sq mm	400	Mtr	1,520.00	6,08,000.00
11	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. 4 CX16sq.mm	65	Each	260.00	16,900.00
12	Supplying and making end termination with brass compression gland and aluminium lugs suitable for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. 3.5 C x 185 sq mm	4	Each	800.00	3,200.00
13	Laying and fixing of one number XLPE/ PVC insulated PVC sheathed aluminium/copper conductor cable of 1.1 KV grade of following sizes on wall surface/ Cable tray as required.				
(a)	Upto 35 sq. mm (clamped with 1mm thick saddle)	800	Mtr	35.00	28,000.00
14	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL/ HDPE pipe as required.				
(a)	Upto 35 sq. mm	1650	Mtr	26.00	42,900.00
(b)	Above 95 sq. mm and upto 185 sq. mm	400	Mtr	53.00	21,200.00
15	Supplying of following size HDPE pipe ISI marked conforming to IS 4984, complete as required.				
(a)	50 mm dia (PE 63 PN 6)	1200	Mtr	62.00	74,400.00
(b)	90 mm dia (PE 63 PN 6)	400	Mtr	215.00	86,000.00

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Sl. No	Item Description	Qty	Unit	Rate	Amount
16	Excavation for cable trenches of depth up to 75 cm and width up to 30 cm in soft soil including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 meters.	750	Mtr	80.00	60,000.00
17	Excavation of the cable trenches in hard rock not exceeding 30 cm in width, and depth upto 75 cm, including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50 meters.	15	CUM	800.00	12,000.00
18	Providing and laying in position cement concrete of grade 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including the centering, shuttering, strutting, propping etc and removal of form work.	20	CUM	6,200.00	1,24,000.00
19	Laying of following size HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 4984, complete with fitting and cutting, jointing etc. in the existing trench, complete as required.				
(a)	50 mm dia (PE 63 PN 6)	1200	Mtr	11.00	13,200.00
(b)	90mm dia (PE 63 PN 6)	400	Mtr	17.00	6,800.00
20	Supply and fixing of Loop in loop out Junction box made out of SMC/Powder coated CRCA with minimum size of 300 mm x 200 mm x 105 mm (outer) with hinged door fitted with 6A SP MCB, 16A, 4 way power block Connector, suitable for termination of crimped cables, din bar etc. to be mounted on existing street light pole including accessories such as clamps/nuts bolts etc. as required as per actual site requirements.	52	Each	1,520.00	79,040.00
21	Supply and fixing of IP 66 rated junction boxes 104X104X70 mm (Hensel DK0400B or equivalent) with connector placed inside for loop in loop out of 4 sq.mm cables along with PVC glands on the existing MS angle supports.	90	Each	800.00	72,000.00
22	Supply of LED type single dome aviation obstruction light suitable for working on 230 V single phase 50 Hz supply	20	Each	8,300.00	1,66,000.00
23	Supply of 400 mm dia sweep wall fan Oscillating type complete with built in String type speed regulator and mounting arrangement suitable for operation on 230 V 50 Hz AC supply, complete as required. Note:- Colour and Speed of the fan shall be as approved by EIC.	10	Each	2,240.00	22,400.00
24	Supply of energy efficient 5 star rated ceiling fan -1200mm sweep including all accessories like electronic regulator, accessories for installation etc. complete as required(Make Havells ES-50 or equivalent)	50	Each	2,600.00	1,30,000.00
25	Supply of 300 mm sweep heavy duty exhaust fan with minimum speed of 1200 rpm air delivery of minimum 850 cmm suitable for mounting on wall for operation on 220V 50 Hz AC.	20	Each	3,320.00	66,400.00

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Sl. No	Item Description	Qty	Unit	Rate	Amount
26	Supplying, installing by suspension on ceiling/along the wall/ground/ MS structure as per site conditions, testing and commissioning of following capacity out door type Sandwich Type busbar trunking for use on 3 phase 4 wire 415 V, 50Hz A.C. supply with metal clad enclosure having minimum IP 65 rating with canopy after fixing the tap off boxes and accessories, made of 1.6mm thick steel sheet duly powder coated in convenient sections complete with 4 Nos aluminium bus bars having current density as per standards at nominal current rating, necessary joints, elbow joints & expansion joints and bends, continuous earthing with 2 Nos aluminium strip of suitable size (one on each side)/ as per OEM standards including, G.I. clamping brackets, suspenders, angle iron bracket, steel fasteners, connecting to earthing system etc. as required. Note: The bus trunking shall be measured along the length of enclosure.				
(a)	1600 A, lsc=50 kA for 1 second	50	Mtr	22,400.00	11,20,000.00
(b)	1600A Flange Ends	4	No	17,000.00	68,000.00
(c)	1600A flexible Copper RYBN	4	Set	62,000.00	2,48,000.00
(d)	Adapter box for bus duct	4	No	17,000.00	68,000.00
27	Supply, installing by suspension on ceiling/along the wall/ground as per site conditions, testing and commissioning of following capacity Sandwich Type busbar trunking for use on 3 phase 4 wire 415 V, 50Hz A.C. supply with metal clad enclosure having IP-54 rating after fixing the tap off boxes and accessories, made of 1.6mm thick steel sheet duly powder coated in convenient sections complete with 4 Nos aluminium bus bars having current density as per standards (130A/sq.cm) at nominal current rating, necessary joints, elbow joints & expansion joints and bends, continuous earthing with 2 Nos aluminium strip of suitable size (one on each side)/ as per OEM standards including, G.I. clamping brackets, suspenders, angle iron bracket, steel fasteners, connecting to earthing system etc. as required. Note: The bus trunking shall be measured along the length of enclosure.				
(a)	1600 A, lsc=50 kA for 1 second	56	mtr	17,000.00	9,52,000.00
(b)	1600A Flange Ends	8	No.	9,200.00	73,600.00
(c)	1600A flexible Copper RYBN	8	No.	51,000.00	4,08,000.00
(d)	Adapter box for bus duct	8	No	17,000.00	1,36,000.00
28	Retrofitting by replacement of existing GE Spectronic make 1250 A 4P ACB including rack in rack out mechanism in LT panel with equivalent make 1250 A 4P ACB having Microprocessor Release LSIG , Over Temperature Protection ,220V AC Motor, Closing Coil, Shunt Trip , Universal Terminal 2set and communicable accessories and mechanical, electrical interlock as per the existing ACB with complete bus bar modification as required. The retrofitting shall ensure that there is no gap in the LT panel enclosure after panel modification.	9	Job	2,00,400.00	18,03,600.00

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Sl. No	Item Description	Qty	Unit	Rate	Amount
29	Retrofitting by replacement of existing GE Spectronic make 800 A 4P ACB including rack in rack out mechanism in LT panel with equivalent make 800 A 4P ACB having Microprocesseor Release LSIG , Over Temperature Protection ,220V AC Motor, Closing Coil, Shunt Trip , Universal Terminal 2set and communicable accessories and mechanical, electrical interlock as per the existing ACB with complete bus bar modification as required. The retrofitting shall ensure that there is no gap in the LT panel enclosure after panel modification.	9	Job	2,00,600.00	18,05,400.00
30	Fabrication of weldable type minimum 5mm thick GI mesh for chain link fencing of height upto 1.5 meter after fixing 35X35X 5mm thick MS angles in suitable foundation at 1.5 meter spacing to cover area of 100 sq.meter around transformer yard at operational area power house including all supports/accessories as per approved drawing, latest IE rules and as per technical specification. The work also involves supply and laying of 40mm dia GI pipe (B class) upto length of 15 meter for draining oil from oil tray of transformer (2 No.) to soak pit with suitable slope including excavation and re-filling etc. complete as required. The soak pit to be constructed with 100 mm thick PCC of inner size 300X300X300 mm with suitable MS cover 10 mm thick.	1	Job	1,52,000.00	1,52,000.00
31	Supply and fixing of fire retardant electrically insulated synthetic mat of class A, 2mm thick $\pm 10\%$ suitable for all voltages not exceeding 3.3 KV AC and 240V DC system meeting requirements of IS 15652:2006 tested for breakdown strength, tensile/elongation, aging properties, insulation resistance, effect to acid, alkaline, diesel, transformer oil & leakage current test, fire test etc. having minimum width of 1000 mm ± 20 mm along with all allied materials such as Pu-resin, Chemi bound, special PVC adhesive, liquid primer etc. in what so ever quantity required to complete the job as per site conditions and as per instructions from Engineer-in-Charge.	350	Sqm	2,600.00	9,10,000.00
32	Supply and fixing of fire retardant electrically insulated synthetic mat of class B, 2.5 mm thick $\pm 10\%$ suitable for all voltages from 3.3 KV up to 11 KV AC and 240V DC system meeting requirements of IS 15652:2006 tested for breakdown strength, tensile/elongation, aging properties, insulation resistance, effect to acid, alkaline, diesel, transformer oil & leakage current test, fire test etc. having minimum width of 1000 mm ± 20 mm along with all allied materials such as Pu-resin, Chemi bound, special PVC adhesive, liquid primer etc. in what so ever quantity required to complete the job as per site conditions and as per instructions from Engineer-in-Charge.	90	Sqm	3,050.00	2,74,500.00

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Sl. No	Item Description	Qty	Unit	Rate	Amount
33	600 kVAR CAPACITOR PANEL Supply, Installation, Testing and Commissioning of Automatic Power Factor Corrector Panel, 600 kVAR with detuned filter (8 x 50 kVAR + 6 x 25 kVAR + 2 x 15 kVAR+ 2 x 10 kVAR + active capacitors (+2 Spare compartment for providing 1 x 50 kVAR & 1 x 25 kVAR capacitors in future), 3ph, 415V, four quadrant operation, totally enclosed, free standing, floor mounting, dust and vermin proof, cubicle type to be fabricated out of 14 guage CRCA Sheet steel, with provision for capacitor mounted inside the panel with Busbars, interconnections, adequate number of exhaust fan with louvers and powder coated with approved shade including supply & installation of following components and as per technical specifications:	4	Job	11,00,000.00	44,00,000.00
(a)	INCOMER				
i.	1 No. 1600 Amps, 50 kA, 4 Pole, MDO ACB, with microprocessor release with communication port facility etc.				
ii.	1 Set of 1600A TPN Aluminium conductor busbar.				
iii.	1 Set of Digital Voltmeter of suitable range for 3 phase, 4 wire operation with LED display and built-in selector switch along with 2 Amp MCB for controlling.				
iv.	1 Set of Indication Lamps (LED type)for R,Y,B with 2 Amp MCB for controlling and breaker 'ON' , 'OFF' & 'TRIP' with 2 Amp MCB for controlling.				
v.	1 Set of Digital Ammeter of suitable range for 3 phase 4 wire operation with LED display and selector switch and with 3 numbers of class 1.0, 15 VA CTs.				
vi.	1 No. Auto/Manual selector switch.				
vii.	1 No. Microprocessor based intelligent, 20 step APFC relay with PF display.				
(b)	OUTGOING				
i.	8 Nos. MCCB, 160A, TP, 50 kA				
ii.	6 Nos. MCCB, 125A, TP, 50 kA				
iii.	4 Nos. MCCB, 63A, TP, 25 kA				
iv.	8 Nos. 50 kVAR Mixed dielectric type heavy duty type units.				
v.	6 Nos. 25 kVAR Mixed dielectric type heavy duty type units.				
vi.	8 Nos. Capacitor duty contactor 110A for 50 kVAR with over load relays.				
vii.	6 Nos. Capacitor duty contactor 63A for 25 kVAR with over load relays.				
viii.	4 Nos. Capacitor duty contactor 25A for 15 kVAR & 10 kVAR with over load relays.				
ix.	18 Sets of Auxilary Control contractors.				
x.	18 Sets of Start/ Stop push buttons.				
xi.	18 Sets of Indicating lamps (LED type) for capacitor ON (Green) & capacitor OFF (Red)				
xii.	18 Sets A/M Selector Switch.				
xiii.	2 Sets of Axial flow fans with thermostat.				
xiv.	1 Set of Rotary operating mechanism and terminal extension / spreaders for all the MCCB's.				
xv.	Complete in all respect including all interconnections from the bus bars to MCCB and MCCB to contactor and contactor to terminal blocks of Capacitor. Automatic Switching "ON" and "OFF" capacitor panel described as above				

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Sl. No	Item Description	Qty	Unit	Rate	Amount
34	Supply, installation, Testing and Commissioning of Automatic Transfer switch (ATS) panel with enclosure having two No. ATS per panel with inbuilt Microprocessor based controller, LCD display, OV/UV, loss of voltage, OF/UF setting, phase failure, phase unbalance, phase rotation sensing, source priority sensing, bypass arrangement, modbus RS 485 communication port, auxillary contact and less than 200 millisecond operating time. The ATS panel should have all meters, CT etc as detailed and as per in technical specifications. 1250 A 4 pole ATS (having 2 No. 1250 A 4 pole ATS per panel) The item includes suitable bus bar connections to be done in the essential panel as per scheme approved by EIC and also dismantling of 4 no. 1250 A buscoupler and providing panel covers complete as required.	2	No.	8,00,000.00	16,00,000.00
35 (a)	Supply of ACB cover (front facia) for L&T make C power series CN-CS 3200 H0, 3200 A ACB.	3	No.	7,100.00	21,300.00
(b)	Supply of ACB cover (front facia) for L&T make C power series CN-CS 1250 C, 1250 A ACB.	3	No.	8,000.00	24,000.00
(c)	Supply of ACB cover (front facia) for L&T make C power series CN-CS 1600 C, 1600 A ACB.	2	No.	8,000.00	16,000.00
(d)	Supply of ACB cover (front facia) for L&T make C power series CN-CS 800 C, 800 A ACB.	4	No.	7,100.00	28,400.00
(e)	Supply of ACB cover (front facia) for L&T make U power series Omega UW1-12 N1250 A ACB.	5	No.	7,100.00	35,500.00
(f)	Supply of ACB cover (front facia) for L&T make U power series Omega 2000 A ACB.	5	No	7,100.00	35,500.00
36	SITC of DOL starter fabricated with CRCA sheet 2mm thick consisting of following components a. 20A 4 pole MCB-1 No. b. 20A 4 Pole power contactor - 1 No. c. ON/Off push botton (Green & red)-1 set d. ON/Off indicating lamp-1 set e- Terminal connector for 25 sq.mm - 8 No. f. Terminal connector for 2.5 sq.mm- 6 No. Control Wiring shall be carried out with minimum 2.5 sq.mm wire with remote ON/off provision as required.	1	Job	17,000.00	17,000.00
37	Supply and fixing of 2 Nos. 12V 160AH Cummins Pulse make Battery suitable for 750 KVA Cummins make DG set from OEM authorized dealer. This also involves making necessary modification at battery terminals for making connections to battery complete as required.	5	Job	25,000.00	1,25,000.00

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Sl. No	Item Description	Qty	Unit	Rate	Amount
	SH- II : PUMPS				
38	SITC of sewage pump 1 HP, three phase, monoblock type, head range 6.5m to 13.5m and Discharge range 1-4.4 lps at STP near CISF Barrack complete as required as per specifications. The work includes dismantling of existing pumps and cable terminations complete as required.	2	Each	30,500.00	61,000.00
39	SITC of filter pump 1 HP, three phase, monoblock type, head range 16m to 22m and Discharge range 0.6-1.8 lps at STP near CISF Barrack complete as required as per specifications. The work includes dismantling of existing pumps and cable terminations complete as required.	2	Each	23,000.00	46,000.00
40	SITC of Backwash pump 1HP, three phase, monoblock type, head range 20m to 28m and Discharge range 0.8-2.0 lps at STP near CISF Barrack complete as required as per specifications. The work includes dismantling of existing pumps and cable terminations complete as required.	2	Each	26,000.00	52,000.00
41	SITC of Treated pump 1HP, Single phase, monoblock type, head range 18.4m to 24.2m and Discharge range upto 1.4 lps at STP near CISF Barrack complete as required as per specifications. The work includes dismantling of existing pumps and cable terminations complete as required.	2	Each	11,500.00	23,000.00
42	Supply of sewage cutter pump 3HP, three phase, submersible type, head range 10m to 18m and Discharge range upto 580 lpm at STP near CISF Barrack complete as required as per specifications.	1	Each	36,000.00	36,000.00
43	SITC of Treated water pump 10HP, three phase, submersible type, head range 50m to 90m and Discharge range 200 lpm to 500 lpm at STP near Airport school complete as required as per specifications. The work includes dismantling of existing pumps and cable terminations complete as required.	2	Each	62,000.00	1,24,000.00
44	Supply of dewatering pump of discharge capacity 670 lpm with maximum head of 32 meter of size 50/50 mm centrifugal self priming monoblock horizontal pump with petrol engine of minimum displacement 163 cc, four stroke, single cylinder horizontal shaft OHV and with minimum fuel tank capacity of 3.1 litre and weight not more than 30 kg(dry weight). The supply also include ready to use PVC suction pipe of minimum length 15 meter and discharge pipe of 30 meter with all accessories including coupling complete as required. Make: HONDA, CRI or equivalent from preferred makes.	2	Each	26,000.00	52,000.00
	SH III :TRANSFORMER ACCESSORIES				
45	Supply of moving contact assembly along with resistance contact unit of OLG make on load tap changer type ABS 111 having rated current 200 A suitable for 11 kV/ 2MVA oil type transformer	6	Set	17,000.00	1,02,000.00
46	Supply of fixed contact for OLG make on load tap changer type ABS 111 having rated current 200 A suitable for 11 kV/ 2MVA oil type transformer	20	Each	1,450.00	29,000.00

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Sl. No	Item Description	Qty	Unit	Rate	Amount
47	Supply of transformer oil confirming to IS 335 tested for required BDV from any Govt.authorized laboratory, including transportation to the site and submission of test certificate etc. as required.	600	Litre	134.00	80,400.00
48	Servicing of OLG make On load tap changer including filtration of oil for OLTC and fixing of 3 No. moving contact assembly along with required No. of fixed contacts	1	Job	15,520.00	15,520.00
	Total				2,15,11,900.00

(Rupees Two Crore Fifteen Lakhs Eleven Thousand and Nine Hundred Only)


Senior Manager (Engg-Ele)
AAI, Calicut International Airport