



QMS 9001:2015 EMS 14001:2015 CERTIFIED

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भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

कलिकट अंतर्राष्ट्रीय विमानपत्तन / CALICUT INTERNATIONAL AIRPORT

कलिकट विमानपत्तन(पी.ओ.) केरल / Calicut Airport (P.O), Kerala - 673 647

By Speed Post / E-mail

Ref. No. AAI/CL/ENGG(E)/233/WO-47/102

Date: 22.07.2024

**M/s MPC Electricals & Engineers,
2 Shanti Nagar,
Sector No.3, Hiran Magri,
Udaipur,
Rajasthan - 313 001.**

Name of Work : Facility Management of E&M Installations in Operational area at Calicut International Airport During 2024-2026.

Ref : Your financial bid opened on 02.07.2024

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 totaling to **Rs. 2,70,38,435/- (Rupees Two Crore Seventy Lakhs Thirty Eight Thousand Four hundred and Thirty Five Only) (Excluding GST) which is 0.15% below the justified cost of Rs.2,70,78,229/-**
2. Dy. Gen. Manager (Engg-Elect), AAI, Calicut International Airport shall be the Engineer-in-Charge of the work. You are requested to attend the office of Dy. Gen. Manager (Engg-Elect), AAI, Calicut International Airport by **31.07.2024** 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. 27,03,844/- (Rupees Twenty Seven Lakhs Three Thousand Eight hundred and Forty Four 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 clauseon page.....for an amount of Rs.....(Rupees.....Only) in the form of Bank Guarantee on the Proforma appended at Annexure ...on ...of 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 **24 (Twenty Four) Months** and same shall be reckoned from **01.08.2024**.
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 TREDIS and vendors may avail the benefits of TREDIS, 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,

End: SOQ

Yours faithfully,

[Handwritten Signature] 22/07/24

Asst. Gen. Manager (Engg-Elect),
For and on behalf of the Chairman,
Airports Authority of India.

NOO: Copy to:

Internal:

1. The APD, AAI, Calicut Airport
2. The Jt.GM(Vig), AAI, SR, Chennai
3. The Jt.GM (Fin), AAI, Calicut Airport
4. The Dy.GM(E-E), AAI, Calicut Airport
5. The Manager(E-E), AAI, Calicut Airport

- } For kind information please
- } FC accorded vide E File No -SR-21024 (12) /1/
2024-APD-SR-TRICHY vide Note No.#10 dated
18.07.2024

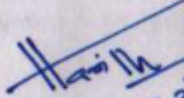
External:

1. The Asst. PF Commissioner (C&R), Sub Regional Office, Bhavishyanidhi Bhavan, P.B.No.1806, Eranhpalam P.O. Calicut – 673 006.
2. The Branch Manager, ESI Corporation, Mankarathodi Building, Perinthalmanna Road, Uphill, Malappuram.

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

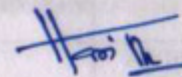
Name of work : Facility Management of E&M Instatations in Operational area at Calicut International Airport during 2024-2026

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
1	Daily operation and periodic maintenance of entire installations related to perimeter lighting, carrying out preventive and breakdown maintenance of E&M installations in new & operational power houses, fire station, ancillary buildings, CISF Barrack, Nav-Aids, power supply to water pumping installations in the operational area including providing required assistance to AAI in maintaining the installations of Calicut Airport as required as per Sl. No. 1 of Annexure A of particular specification.	Item No.1	24	Month	380000.00	9,120,000.00
2	Daily operation & Maintenance of grid connected 750KWp, 20kWp and 5kWp Solar plants including minor repairs, replacing devices/components/equipment that are supplied by AAI or OEM integrating the same to system (both hardware and software) and carrying out preventive maintenance, periodic cleaning of SPV panels to ensure optimum generation etc as per Sl. No. 2 of Annexure A of particular specification.	Item No.2	24	Month	62000.00	1,488,000.00


22/07/24
हरी पी.आर / HARI P.R
स.म.प्र(इ.-वि.) / AGM(E-E)
भा.वि.प्रा.कालिकट अंतर्राष्ट्रीय हवाई अड्डा
AAI, Calicut International Airport

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
7	All inclusive Comprehensive Maintenance of following type, make and capacity of air-conditioners installed at different locations including providing all necessary consumables and spares carrying out various maintenance activities as per AAI maintenance manual/OEM recommendation (1 Job = Comprehensive maintenance of 01 AC unit for one month) Note. CMC of split AC and water cooler includes manpower as per Sl. No. 5 of Annexure A of particular specification 1.5TR split type wall mounted type Air conditioners.	Item No.7a	504	Job	206.00	103,824.00
8	All inclusive Comprehensive Maintenance of following type, make and capacity of air-conditioners installed at different locations including providing all necessary consumables and spares carrying out various maintenance activities as per AAI maintenance manual/OEM recommendation (1 Job = Comprehensive maintenance of 01 AC unit for one month) Note. CMC of split AC and water cooler includes manpower as per Sl. No. 5 of Annexure A of particular specification 1.5TR split type wall mounted type Air conditioners (Inverter type).	Item No.7b	252	Job	206.00	51,912.00
9	All inclusive Comprehensive Maintenance of following type, make and capacity of air-conditioners installed at different locations including providing all necessary consumables and spares carrying out various maintenance activities as per AAI maintenance manual/OEM recommendation (1 Job = Comprehensive maintenance of 01 AC unit for one month) Note. CMC of split AC and water cooler includes manpower as per Sl. No. 5 of Annexure A of particular specification 2TR split type wall mounted Air conditioners.	Item No.7c	576	Job	260.00	149,760.00

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
10	All inclusive Comprehensive Maintenance of following type, make and capacity of air-conditioners installed at different locations including providing all necessary consumables and spares carrying out various maintenance activities as per AAI maintenance manual/OEM recommendation (1 Job = Comprehensive maintenance of 01 AC unit for one month) Note. CMC of split AC and water cooler includes manpower as per Sl. No. 5 of Annexure A of particular specification 2TR Inverter split type Air conditioners.	Item No.7d	1236	Job	260.00	321,360.00
11	All inclusive Comprehensive Maintenance of following type, make and capacity of air-conditioners installed at different locations including providing all necessary consumables and spares carrying out various maintenance activities as per AAI maintenance manual/OEM recommendation (1 Job = Comprehensive maintenance of 01 AC unit for one month) Note. CMC of split AC and water cooler includes manpower as per Sl. No. 5 of Annexure A of particular specification 3TR Floor mounted 3 phase split Air conditioners .	Item No.7e	360	Job	404.00	145,440.00
12	All inclusive Comprehensive Maintenance of following type, make and capacity of air-conditioners installed at different locations including providing all necessary consumables and spares carrying out various maintenance activities as per AAI maintenance manual/OEM recommendation (1 Job = Comprehensive maintenance of 01 AC unit for one month) Note. CMC of split AC and water cooler includes manpower as per Sl. No. 5 of Annexure A of particular specification 3TR Cassette type 3 phase split Air conditioners.	Item No.7f	144	Job	404.00	58,176.00



22/07/24

हरी पी.आर / HARI P.R

म.प्र.प्र. (इ.-वि.) / AGM(E-E)

भा.वि.प्र. कालिकाट अंतर्राष्ट्रीय हवाई अड्डा
Bhatkal International Airport

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
13	All inclusive Comprehensive Maintenance of following type, make and capacity of air-conditioners installed at different locations including providing all necessary consumables and spares carrying out various maintenance activities as per AAI maintenance manual/OEM recommendation (1 Job = Comprehensive maintenance of 01 AC unit for one month) Note. CMC of split AC and water cooler includes manpower as per Sl. No. 5 of Annexure A of particular specification 3TR Ductable type 3 phase split Air conditioners.	Item No.7g	264	Job	404.00	106,656.00
14	All inclusive Comprehensive Maintenance of following type, make and capacity of air-conditioners installed at different locations including providing all necessary consumables and spares carrying out various maintenance activities as per AAI maintenance manual/OEM recommendation (1 Job = Comprehensive maintenance of 01 AC unit for one month) Note. CMC of split AC and water cooler includes manpower as per Sl. No. 5 of Annexure A of particular specification 3 TR Cassette type Inverter single phase Air conditioner	Item No.7h	72	Job	404.00	29,088.00
15	All inclusive Comprehensive Maintenance of following type, make and capacity of air-conditioners installed at different locations including providing all necessary consumables and spares carrying out various maintenance activities as per AAI maintenance manual/OEM recommendation (1 Job = Comprehensive maintenance of 01 AC unit for one month) Note. CMC of split AC and water cooler includes manpower as per Sl. No. 5 of Annexure A of particular specification 3 TR Cassette type Inverter three phase Air conditioner	Item No.7i	40	Job	404.00	16,160.00

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22/07/24

हरी पी .आर / HARI P.R
स.म.प्र(इं.-वि.) / AGM(E-E)

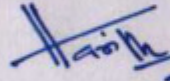
भा.वि.प्रा.कालिकट अंतर्राष्ट्रीय हवाई अड्डा
AAI, Calicut International Airport

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
16	All inclusive Comprehensive Maintenance of following type, make and capacity of air-conditioners installed at different locations including providing all necessary consumables and spares carrying out various maintenance activities as per AAI maintenance manual/OEM recommendation (1 Job = Comprehensive maintenance of 01 AC unit for one month) Note. CMC of split AC and water cooler includes manpower as per Sl. No. 5 of Annexure A of particular specification 4TR Cassette type 3 phase split Air conditioners.	Item No.7j	192	Job	440.00	84,480.00
17	All inclusive Comprehensive Maintenance of following type, make and capacity of air-conditioners installed at different locations including providing all necessary consumables and spares carrying out various maintenance activities as per AAI maintenance manual/OEM recommendation (1 Job = Comprehensive maintenance of 01 AC unit for one month) Note. CMC of split AC and water cooler includes manpower as per Sl. No. 5 of Annexure A of particular specification 4TR Cassette type inverter split Air conditioners.	Item No.7k	36	Job	530.00	19,080.00
18	All inclusive Comprehensive Maintenance of following type, make and capacity of air-conditioners installed at different locations including providing all necessary consumables and spares carrying out various maintenance activities as per AAI maintenance manual/OEM recommendation (1 Job = Comprehensive maintenance of 01 AC unit for one month) Note. CMC of split AC and water cooler includes manpower as per Sl. No. 5 of Annexure A of particular specification 5.5TR Ductable type 3 phase split Air conditioners.	Item No.7l	48	Job	620.00	29,760.00

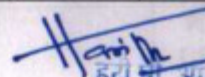
Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
19	Comprehensive Maintenance of VRV multi split Airconditioning system of 30 HP capacities comprising of inverter scroll compressor, air cooled condenser, system controller, R 410 refrigerant, including providing all necessary consumables and spares carrying out various maintenance activities by maintaining adequate technical tie up with OEM (Blue star) as required. (1 Job = Maintaining entire system for 1 year) Details 1) Outdoor unit capacity of 30 HP (12HP-1 No., 10HP-1 No., 8HP-1 No.) 2) Indoor units : 2 Ton High wall split -4 Nos., 1 TR cassette type AC unit - 3 Nos., 2 TR cassette type AC unit - 2 Nos., 2.8 TR cassette type AC unit - 1 No., 4 TR cassette type AC unit - 3 Nos.	Item No.8	2	Job	125000.00	250,000.00
20	All inclusive Comprehensive Maintenance of horizontal FAN COIL UNITS, blow through type, 3 rows deep chilled water coil, centrifugal fans, metallic filters, main condensate drain pans, casing, coil piping connections, condensate drain connections working at 230 + 6% volts, 50 cycles, single phase power supply. Fan Coil are of 3TR and 1200CFM refrigeration capacities (1 Job = Comprehensive maintenance of the Unit with accessories for one month).	Item No.9	144	Job	134.00	19,296.00
21	Comprehensive maintenance of water coolers of various makes of following capacities installed at different locations including providing all necessary consumables and spares, carrying out various maintenance activities as per AAI maintenance manual/OEM recommendation including periodic checking of all units for proper functionality etc. complete as required. (1 Job =Comprehensive maintenance of 01 water cooler unit per month) 20/40 Ltr	Item No.10a	96	Job	80.00	7,680.00

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
22	Comprehensive maintenance of water coolers of various makes of following capacities installed at different locations including providing all necessary consumables and spares, carrying out various maintenance activities as per AAI maintenance manual/OEM recommendation including periodic checking of all units for proper functionality etc. complete as required. (1 Job =Comprehensive maintenance of 01 water cooler unit per month) 40/80 Ltr	Item No.10b	144	Job	80.00	11,520.00
23	Comprehensive maintenance of water coolers of various makes of following capacities installed at different locations including providing all necessary consumables and spares, carrying out various maintenance activities as per AAI maintenance manual/OEM recommendation including periodic checking of all units for proper functionality etc. complete as required. (1 Job =Comprehensive maintenance of 01 water cooler unit per month) 60/120 Ltr	Item No.10c	120	Job	80.00	9,600.00
24	Comprehensive maintenance of 125 ltr/Hr capacity water cooler with UV and Ozone purifying technologies with necessary filters and water dispensing Mechanism with hot, normal and cool water facilities with stainless steel body, suitable compressor, insulation etc. as required (Model No.HIMA 7 NHC- 3 nos) (1 Job =Comprehensive maintenance of 01 water cooler unit per month).	Item No.11	72	Job	170.00	12,240.00
25	Comprehensive maintenance 50 ltr/Hr capacity water Dispenser with Ozone purifying technologies with necessary filters and water dispensing Mechanism with normal water facilities with SS body,insulation etc. as required (Model No. VARUNA 2: -1 nos) (1 Job =Comprehensive maintenance of 01 water cooler unit per month).	Item No.12	24	Job	143.00	3,432.00

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
26	Comprehensive maintenance of hot and cold water dispensers of USHA model HNCCC21V9S or similar installed at different locations including providing all necessary consumables and spares, carrying out various maintenance activities as per AAI maintenance manual/OEM recommendation including daily checking of all units for proper functionality etc. complete as required. (1 Job =Comprehensive maintenance of 01 water cooler unit per month)	Item No.13	600	Job	143.00	85,800.00
27	Comprehensive maintenance of stand alone type Kelby make water cooler Model No.Brook 250 NHC / any other make including two half yearly mandatory services with replacement of spun and carbon filters and attending breakdown/ malfunction within 24 Hrs throughout the year including repair/replacement of all defective parts. (1 Job = 1 unit/year) Ist year (First 12 months)	Item No.14a	7	Job	3500.00	24,500.00
28	Comprehensive maintenance of stand alone type Kelby make water cooler Model No.Brook 250 NHC / any other make including two half yearly mandatory services with replacement of spun and carbon filters and attending breakdown/ malfunction within 24 Hrs throughout the year including repair/replacement of all defective parts. (1 Job = 1 unit/year) IInd year (Next 12 months)	Item No.14b	12	Job	4400.00	52,800.00


 22/07/24
 हरी पी.आर / HARI P.R
 ज.म.प्र(इ.-वि.) / AGM(E-E)
 भा.वि.प्रा.कालिकट अंतर्राष्ट्रीय हवाई अड्डा
 AAI, Calicut International Airport

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
29	Comprehensive maintenance of stand alone type Kelby make water cooler Model No.Brook 125 NHC/ any other make including two half yearly mandatory services with replacement of spun and carbon filters and attending breakdown/ malfunction within 24 Hrs throughout the year including repair/replacement of all defective parts (1 Job = 1 Unit for 01 year) Ist year (First 12 months)	Item No.15a	4	Job	3500.00	14,000.00
30	Comprehensive maintenance of stand alone type Kelby make water cooler Model No.Brook 125 NHC/ any other make including two half yearly mandatory services with replacement of spun and carbon filters and attending breakdown/ malfunction within 24 Hrs throughout the year including repair/replacement of all defective parts (1 Job = 1 Unit for 01 year) IInd year (Next 12 months)	Item No.15b	4	Job	3500.00	14,000.00
31	Comprehensive maintenance of wall mount type Kelby make water purifier Model No.Brook 125 N including two half yearly mandatory services with replacement of spun and carbon filters and attending breakdown/ malfunction within 24 Hrs throughout the year including repair/replacement of all defective parts (1 Job = 1 Unit for 01 year) Ist year (First 12 months)	Item No.16a	13	Job	2600.00	33,800.00
32	Comprehensive maintenance of wall mount type Kelby make water purifier Model No.Brook 125 N including two half yearly mandatory services with replacement of spun and carbon filters and attending breakdown/ malfunction within 24 Hrs throughout the year including repair/replacement of all defective parts (1 Job = 1 Unit for 01 year) IInd year (Next 12 months)	Item No.16b	13	Job	2600.00	33,800.00


 24/05/24
 MARI P.R
 ജ.ന.പ്ര(ട.-വി.) / AGM(ഇ-ഇ)
 AA, Calicut International Airport

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
33	Comprehensive maintenance of 100 LPH Reverse Osmosis Plant (RO plant) having UV sterilization system carrying out various maintenance activities, replacement of filters, servicing, attending breakdowns etc as required.(1 Job = 1 unit/year)	Item No.17	2	Job	8000.00	16,000.00
34	Comprehensive maintenance of stand alone type Blue star make water cooler with UV purifier of 80Litre storage capacity having cold and normal water outlet including two half yearly mandatory services with replacement of spun and carbon filters (internal & external) and attending breakdown/ malfunction within 24 Hrs throughout the year including repair/replacement of all defective parts(1 Job =Comprehensive maintenance of 01 water cooler unit per month).	Item No.18	48	Job	800.00	38,400.00
35	Relocating existing 1.5/2.0 Ton split type AC including dismantling, shifting re installing and re commissioning at new location complete as required [excluding any extra materials].	Item No.19	10	Job	2600.00	26,000.00
36	Relocating existing 3.0 Ton split type AC including dismantling, shifting re installing and re commissioning at new location complete as required [excluding any extra materials].	Item No.20	3	Job	3050.00	9,150.00
37	Providing & laying of following size thermally Insulated copper pipe for refrigerant line suitable for the AC unit. 1/4 inch	Item No.21a	20	Meter	260.00	5,200.00
38	Providing & laying of following size thermally Insulated copper pipe for refrigerant line suitable for the AC unit. 1/2 inch	Item No.21b	20	Meter	290.00	5,800.00

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
39	Providing & laying of following size thermally Insulated copper pipe for refrigerant line suitable for the AC unit. 3/8 inch	Item No.21c	60	Meter	530.00	31,800.00
40	Providing & laying of following size thermally Insulated copper pipe for refrigerant line suitable for the AC unit. 5/8 inch	Item No.21d	50	Meter	710.00	35,500.00
41	Providing & laying of following size thermally Insulated copper pipe for refrigerant line suitable for the AC unit. 3/4 inch	Item No.21e	25	Meter	710.00	17,750.00
42	Providing and laying of UPVC pipe 1" dia for AC drain including fixing on existing surface complete as required.	Item No.22	20	meter	80.00	1,600.00
43	Providing & laying (2+1E) Core x 2.5 sq.mm FR insulated, PVC sheathed unarmored multi strand copper cable suitable for the AC outdoor unit connection.	Item No.23	50	Meter	107.00	5,350.00
44	Testing of water samples taken from water purifiers/cooler outlet in NABL/state government accredited Lab for the following parameters and submitting reports as required. 1) PH value 2) Turbidity 3)TDS 4)Total Iron (Fe) 5)coliform 6) E coli	Item No.24	300	Job	1160.00	348,000.00

[Signature]
22/07/24

हरी पी.आर / HARI P.R
स.म.प्र(इ.-वि.) / AGM(E-E)

भा.वि.प्रा.कालिकट अंतर्राष्ट्रीय हवाई अड्डा

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
45	Monthly Testing of water samples taken from treated water of STP in NABL/state government accredited Lab for the following parameters and submitting reports as required. 1) PH value 2) Suspended solids 3)COD 4)BOD for 3 days at 27 degree C 5)Oil & grease	Item No.25	48	Job	1250.00	60,000.00
46	Replacement of approved consumable iron birm media of the exisiting water purifiers (1 Job = Two Times replacement in a year).	Item No.26	56	Job	530.00	29,680.00
47	Servicing of following air circuit breakers through specialised service personnel, overhauling; carrying out preventive maintenance checks as per manufacturer's specification and attending breakdown calls as and when required. Spares if any required shall be provided by AAI (services for an ACB in 1 year i.e. one overhauling & servicing in one year= 1 Job). L&T Make 800A, 415 Volts	Item No.27a	8	Job	2600.00	20,800.00
48	Servicing of following air circuit breakers through specialised service personnel, overhauling; carrying out preventive maintenance checks as per manufacturer's specification and attending breakdown calls as and when required. Spares if any required shall be provided by AAI (services for an ACB in 1 year i.e. one overhauling & servicing in one year= 1 Job). L&T Make 1000A, 415 Volts	Item No.27b	8	Job	2240.00	17,920.00

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
49	Servicing of following air circuit breakers through specialised service personnel, overhauling; carrying out preventive maintenance checks as per manufacturer's specification and attending breakdown calls as and when required. Spares if any required shall be provided by AAI (services for an ACB in 1 year i.e. one overhauling & servicing in one year= 1 Job). L&T Make 1250A, 415 Volts	Item No.27c	16	Job	2600.00	41,600.00
50	Servicing of following air circuit breakers through specialised service personnel, overhauling; carrying out preventive maintenance checks as per manufacturer's specification and attending breakdown calls as and when required. Spares if any required shall be provided by AAI (services for an ACB in 1 year i.e. one overhauling & servicing in one year= 1 Job). L&T Make 1600A, 415 Volts	Item No.27d	4	Job	2240.00	8,960.00
51	Servicing of following air circuit breakers through specialised service personnel, overhauling; carrying out preventive maintenance checks as per manufacturer's specification and attending breakdown calls as and when required. Spares if any required shall be provided by AAI (services for an ACB in 1 year i.e. one overhauling & servicing in one year= 1 Job). L&T Make 2000A, 415 Volts	Item No.27e	10	Job	2240.00	22,400.00

[Signature]
22/07/24

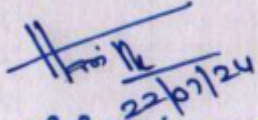
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AAI, Calicut International Airport

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52	Servicing of following air circuit breakers through specialised service personnel, overhauling; carrying out preventive maintenance checks as per manufacturer's specification and attending breakdown calls as and when required. Spares if any required shall be provided by AAI (services for an ACB in 1 year i.e. one overhauling & servicing in one year= 1 Job). L&T Make 2500A, 415 Volts	Item No.27f	2	Job	2600.00	5,200.00
53	Servicing of following air circuit breakers through specialised service personnel, overhauling; carrying out preventive maintenance checks as per manufacturer's specification and attending breakdown calls as and when required. Spares if any required shall be provided by AAI (services for an ACB in 1 year i.e. one overhauling & servicing in one year= 1 Job). L&T Make 3200 A, 415 Volts	Item No.27g	6	Job	2600.00	15,600.00
54	Servicing of following air circuit breakers through specialised service personnel, overhauling; carrying out preventive maintenance checks as per manufacturer's specification and attending breakdown calls as and when required. Spares if any required shall be provided by AAI (services for an ACB in 1 year i.e. one overhauling & servicing in one year= 1 Job). L&T Make 4000A,415Volts	Item No.27h	18	Job	2600.00	46,800.00

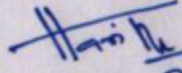
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 AAI, Calicut International Airport

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
55	Servicing of following air circuit breakers through specialised service personnel, overhauling; carrying out preventive maintenance checks as per manufacturer's specification and attending breakdown calls as and when required. Spares if any required shall be provided by AAI (services for an ACB in 1 year i.e. one overhauling & servicing in one year= 1 Job). GE make Spectronics 4P, 415V,800A	Item No.27i	30	Job	2600.00	78,000.00
56	Servicing of following air circuit breakers through specialised service personnel, overhauling; carrying out preventive maintenance checks as per manufacturer's specification and attending breakdown calls as and when required. Spares if any required shall be provided by AAI (services for an ACB in 1 year i.e. one overhauling & servicing in one year= 1 Job). GE make Spectronics 4P, 415V,1000A	Item No.27j	8	Job	2600.00	20,800.00
57	Servicing of following air circuit breakers through specialised service personnel, overhauling; carrying out preventive maintenance checks as per manufacturer's specification and attending breakdown calls as and when required. Spares if any required shall be provided by AAI (services for an ACB in 1 year i.e. one overhauling & servicing in one year= 1 Job). GE make 4P, 415V,1250A	Item No.27k	72	Job	2240.00	161,280.00


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Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
58	Servicing of following air circuit breakers through specialised service personnel, overhauling; carrying out preventive maintenance checks as per manufacturer's specification and attending breakdown calls as and when required. Spares if any required shall be provided by AAI (services for an ACB in 1 year i.e. one overhauling & servicing in one year= 1 Job). GE make 4P, 415V,2000A	Item No.27 l	4	Job	2600.00	10,400.00
59	Servicing of following air circuit breakers through specialised service personnel, overhauling; carrying out preventive maintenance checks as per manufacturer's specification and attending breakdown calls as and when required. Spares if any required shall be provided by AAI (services for an ACB in 1 year i.e. one overhauling & servicing in one year= 1 Job). ABB Make 1250 A, 4P, 415 V	Item No.27m	44	Job	2600.00	114,400.00
60	Servicing of following air circuit breakers through specialised service personnel, overhauling; carrying out preventive maintenance checks as per manufacturer's specification and attending breakdown calls as and when required. Spares if any required shall be provided by AAI (services for an ACB in 1 year i.e. one overhauling & servicing in one year= 1 Job). Schneider make 1250 A, 4P, 415V	Item No.27n	22	Job	2600.00	57,200.00
61	Testing of BDV of transformer oil from approved testing facility and submission of report to AAI	Item No.28	5	Job	350.00	1,750.00


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Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
62	Filtration of the transformer oil to achieve satisfactory BDV value for the following transformers installed at Calicut International Airport, including topping up of oil (if required, the transformer oil for topping up will be supplied by AAI) and testing the BDV of the transformer oil after filtration and submission of reports to AAI. (01 job = carrying the work once in one transformer) 2000 KVA Make : Voltamp, with OLTC Year of Manufacture : 2006 Oil : 1456 ltrs (approx.)	Item No.29a	4	Job	6200.00	24,800.00
63	Filtration of the transformer oil to achieve satisfactory BDV value for the following transformers installed at Calicut International Airport, including topping up of oil (if required, the transformer oil for topping up will be supplied by AAI) and testing the BDV of the transformer oil after filtration and submission of reports to AAI. (01 job = carrying the work once in one transformer) 2000 KVA, Make : Kirlosker, without OLTC Year of Manufacture : 2007 Oil : 1900 ltrs (approx.)	Item No.29b	6	Job	8000.00	48,000.00
64	Supply and changing of silica gel of 11/0.433 KV transformer of new and old power house	Item No.30	20	Kg	404.00	8,080.00
65	Arresting of oil leakage in 2000KVA 11/0.433 KV Transformer LT side by replacement of joint gaskets between conservator to oil tank, Bucholz relay, tap switch, any areas and changing of oil guage glass indicator and removing and fixing of bus duct complete as required.	Item No.31	3	Job	17000.00	51,000.00

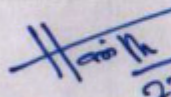
Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
66	Servicing of Areva/ equivalent Make 11 KV, 50Hz vacuum circuit breaker i/c cleaning of CTs, PTs, Busbars and testing etc. as required and as per manufacturers guidelines(Timer test, contact resistance test, 5KV megger test are included) of different rating:	Item No.32	16	Job	7100.00	113,600.00
67	Testing, Calibration of relays at Calicut Airport (As per the Annexure attached) by secondary injection method with suitable testing kit with a Govt. approved Laboratory/ Test centre including submission of report of calibration to AAI. Differential protection Relay, Type : CAG, electromechanical Model no:CAG34AF71A, Make : AREVA	Item No.33a	8	Job	440.00	3,520.00
68	Testing, Calibration of relays at Calicut Airport (As per the Annexure attached) by secondary injection method with suitable testing kit with a Govt. approved Laboratory/ Test centre including submission of report of calibration to AAI. Earth Fault Relay(Inverse), Type : CDG, Electromechanical, Model no : CDG11AF006SACH, Make : ALSTOM	Item No.33b	4	Job	440.00	1,760.00

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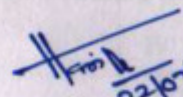
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Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
69	Testing, Calibration of relays at Calicut Airport (As per the Annexure attached) by secondary injection method with suitable testing kit with a Govt. approved Laboratory/ Test centre including submission of report of calibration to AAI. OVER CURRENT RELAY(Inverse) all the 3 elements, Type : CDV, Electromechanical, Model no : CDV62EG8512ACH, Make : AREVA	Item No.33c	4	Job	1250.00	5,000.00
70	Testing, Calibration of relays at Calicut Airport (As per the Annexure attached) by secondary injection method with suitable testing kit with a Govt. approved Laboratory/ Test centre including submission of report of calibration to AAI. Undervoltage Relay, Type : VDG, electromechanical, Model no : VDG 13AF9101ACH, Make : ALSTOM	Item No.33d	4	Job	530.00	2,120.00
71	Testing, Calibration of relays at Calicut Airport (As per the Annexure attached) by secondary injection method with suitable testing kit with a Govt. approved Laboratory/ Test centre including submission of report of calibration to AAI. Differential protection Relay, Reverse Power Relay , Type : CCUM21,electromechanical, Model no : CCUM21PF132A, Make: AREVA	Item No.33e	4	Job	1250.00	5,000.00

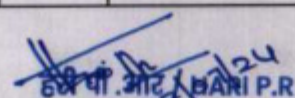
Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
72	Testing, Calibration of relays at Calicut Airport (As per the Annexure attached) by secondary injection method with suitable testing kit with a Govt. approved Laboratory/ Test centre including submission of report of calibration to AAI. Overvoltage Relay Type : VDG, electromechanical, Model no:VDG11AF001SBCH, Make : ALSTOM	Item No.33f	4	Job	800.00	3,200.00
73	Testing, Calibration of relays at Calicut Airport (As per the Annexure attached) by secondary injection method with suitable testing kit with a Govt. approved Laboratory/ Test centre including submission of report of calibration to AAI. Overcurrent & Earth Relay(Inverse) - all the 3 elements Type : CDG, electromechanical, Model no:CDG31EG002SBCH/CDG61EG101ZRCH Make :AREVA	Item No.33g	8	Job	1250.00	10,000.00
74	Testing, Calibration of relays at Calicut Airport (As per the Annexure attached) by secondary injection method with suitable testing kit with a Govt. approved Laboratory/ Test centre including submission of report of calibration to AAI. Underfrequency/Overfrequency Relay, Type: MFVUM22, Digital, Model no ; MFVUM22D1AA0015A, Make : Alstom	Item No.33h	4	Job	800.00	3,200.00


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Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
75	Testing, Calibration of relays at Calicut Airport (As per the Annexure attached) by secondary injection method with suitable testing kit with a Govt. approved Laboratory/ Test centre including submission of report of calibration to AAI. Instantaneous Under/Over voltage Relay Type : VAGM , electromechanical Model no:VAGM22AF171G, Make: AREVA	Item No.33i	4	Job	800.00	3,200.00
76	Testing, Calibration of relays at Calicut Airport (As per the Annexure attached) by secondary injection method with suitable testing kit with a Govt. approved Laboratory/ Test centre including submission of report of calibration to AAI. Earth fault relay, Type SC14S, Make: L&T	Item No.33j	6	Job	800.00	4,800.00
77	Testing, Calibration of relays at Calicut Airport (As per the Annexure attached) by secondary injection method with suitable testing kit with a Govt. approved Laboratory/ Test centre including submission of report of calibration to AAI. Over/under voltage relay, Type MV12 , Make:L&T	Item No.33k	6	Job	800.00	4,800.00

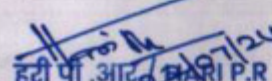

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Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
78	Testing, Calibration of relays at Calicut Airport (As per the Annexure attached) by secondary injection method with suitable testing kit with a Govt. approved Laboratory/ Test centre including submission of report of calibration to AAI. Overcurrent & Earth Relay(Inverse) - all the 3 elements Type CDG, Model no:CDG 31EG001SBCH, Make AREVA	Item No.33l	12	Job	1250.00	15,000.00
79	Testing, Calibration of relays at Calicut Airport (As per the Annexure attached) by secondary injection method with suitable testing kit with a Govt. approved Laboratory/ Test centre including submission of report of calibration to AAI. Overcurrent & Time delay , Short Circuit & Time delay, Ground fault & Time delay, Type : SR18G Make L&T	Item No.33m	24	Job	1250.00	30,000.00
80	Testing, Calibration of relays at Calicut Airport (As per the Annexure attached) by secondary injection method with suitable testing kit with a Govt. approved Laboratory/ Test centre including submission of report of calibration to AAI. Overcurrent & Time delay, Short Circuit & Time delay,Ground fault& Time delay, Instantaneous, Type : RMS7, Make : GE Spectronics	Item No.33n	114	Job	1250.00	142,500.00


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Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
81	Testing, Calibration of relays at Calicut Airport (As per the Annexure attached) by secondary injection method with suitable testing kit with a Govt. approved Laboratory/ Test centre including submission of report of calibration to AAI. Restricted E/F relay Make: Alstom, trip circuit efficacy testing by simulation, end connection if any	Item No.33o	6	Job	800.00	4,800.00
82	Testing and Calibration of following type AC meters by suitable method from Govt approved Test centre and submission of the calibration certificate as per NABL norms. Multi Function Meter Model EM Konzerv 6400	Item No.34a	25	Job	800.00	20,000.00
83	Testing and Calibration of following type AC meters by suitable method from Govt approved Test centre and submission of the calibration certificate as per NABL norms True RMS Ammeter of range 0 A - 30 A rms (30/1 A)	Item No.34b	16	Job	800.00	12,800.00
84	Testing and Calibration of Clinometer make M/s AMA by suitable method from OEM and submission of the calibration certificate to AAI. The Job includes the charges for to and fro transportation of the equipment to the testing/calibration centre.	Item No.35	4	Job	12500.00	50,000.00
85	Testing with suitable testing kit with government approved laboratory/test centre including trip circuit efficacy testing by end to end simulation from CT secondary to trip coil and corrections if any	Item No.36	200	Job	1250.00	250,000.00

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
86	Servicing of Honda make Generator Set of the following models from authorised service dealers: Model:EXK 2800 S-2KVA	Item No.37a	2	Job	2600.00	5,200.00
87	Servicing of Honda make Generator Set of the following models from authorised service dealers: Model:EK 1000-650VA	Item No.37b	2	Job	2600.00	5,200.00
88	Clearing of Grass/vegetation around street light poles, HT yard and other electrical installations by mechanical means like grass cutting machine, disposal of cut grass including Man Power etc complete as required and as per instructions from Engineer In Charge.	Item No.38	1500	sqm	5.30	7,950.00
89	Painting of electrical panels, bus ducts, transformers, pipelines etc with synthetic enamel paint of required colour , approved brand (2 or more coats). - By hand brush/roller	Item No.39	75	sqm	80.00	6,000.00
90	Painting of exhaust pipes etc with heat resistant paint 400 deg. C or more of required colour of approved brand. (2 or more coats).	Item No.40	175	sqm	116.00	20,300.00
91	Painting of electrical panels, bus ducts, transformers, pipelines etc with polyruthene enamel paint of required colour , approved brand (2 or more coats). - By Spray paint	Item No.41	600	sqm	92.00	55,200.00
92	Painting of double pole structures, street light poles along with supporting structures, anywhere in the airport premises with polyruthene enamel paint of required colour, approved brand.(1 pole=1 job)	Item No.42	500	Job	710.00	355,000.00


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Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
93	Re-lettering on panels/earth pits using enamel painting with suitable colour as per the direction of Engineer In Charge (1 Job = 1 letter of 3 cm height)	Item No.43	2000	Job	11.00	22,000.00
94	Numbering of runway light fixtures using suitable paint/ using stencil with yellow background and black letters complete as required. (1 Job = 1 light fixture)	Item No.44	550	Job	80.00	44,000.00
95	Numbering of runway light fixture CI box using suitable paint/ using stencil with black letters complete as required.(1 Job = 1 CI box)	Item No.45	1450	Job	35.00	50,750.00
96	Supply and fixing of Earth fault relay equivalent to Type SC14S, Make: L&T	Item No.46	6	No.	2600.00	15,600.00
97	Supply and fixing of Over/under voltage relay equivalent to Type MV12, Make:L&T	Item No.47	9	No.	12500.00	112,500.00
98	Preparing Effluclean Activated Effective Microorganism solution(5 litre) from EM stock solution, water and Jagger as mentioned in the tender for treating the sewage. The Job includes the supply of required Jagger and EM solution for preparing 5 litre Effluclean Activated Microorganism solution. The treatment shall be done by operator.	Item No.48	250	Job	206.00	51,500.00
99	Servicing of both A1 Blowers (MODEL-A1-67M) and motor (MODEL K2147436) including complete servicing of blower, clearance check, timing setting and cleaning of filter overhauling of motor, replacing the gland packing etc as required including transportation charges and any other incidental charges complete as required.(1 job= 1 servicing once a year)	Item No.49	2	Job	8000.00	16,000.00

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Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
100	Servicing of following pumps at STP installed at Airport School including overhauling, replacing the gland packing etc as required(1 job= servicing of all pumps below once in a year) a) Sewage Pump – 5HP, make : Kirloskar – 2 Nos b) Filter Feed Pump – 5HP, make : Kirloskar – 2 Nos c) Sludge Pump – 3HP, make : Kirloskar – 2 Nos d) self-priming Sludge Effluent Transfer Pump-10HP, Make : ABB-2 Nos e) Treated Water Pump (NIAB) - 20HP, Make : ABB - 2 Nos	Item No.50	2	Job	12500.00	25,000.00
101	Supply of SODIUM HYPO CHLORITE WITH 10% CHLORINE (120 GPL) and disinfection of treated water with mixture of Sodium Hypo Chlorite with 10% Chlorine (120gpl) per day to get 0.1 ppm Residual Free Chlorine (Approximate Requirement for Chlorination per day as per STP Consultant is 50 Kg/day, 1 Job Requirement for Chlorination per day as per STP Consultant is 50 Kg/day, 1 job = 50 Kg)	Item No.51	500	Job	710.00	355,000.00
102	Supply of Polyelectrolyte Anion Powder and mixing with water for treatment of sludge tank (Approximate Requirement for Anion Powder per day as per STP Consultant is 2 Kg/day mixed with 198L Water, 1 Job = 2Kg)	Item No.52	200	Job	800.00	160,000.00
103	Servicing of following make air blower motor set including complete servicing of blower, clearance check, timing setting cleaning of filter, overhauling of motor, replacing the gland packing etc as required including transportation charges and any other incidental charges complete as required.(1 job= 1 servicing once a year) Everest Blower (Model 1450) and Crompton Greaves Motor (Model 1542J)	Item No.53a	2	Job	2000.00	4,000.00

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
104	Servicing of following make air blower motor set including complete servicing of blower, clearance check, timing setting cleaning of filter, overhauling of motor, replacing the gland packing etc as required including transportation charges and any other incidental charges complete as required.(1 job= 1 servicing once a year) ABL Blower (Model 1450) and Kirloskar Motor (Model 1542J)	Item No.53b	2	Job	2000.00	4,000.00
105	Servicing of following pumps at STP installed at CISF Barrack including overhauling, replacing the gland packing etc as required(1 job= servicing of all pumps below once in a year) a) Sewage Pump – 1HP, make : Kirloskar – 2 Nos b) Filter Feed Pump – 1HP, make : Kirloskar – 2 Nos d) Back Wash Pump - 1HP, Make : Kirloskar – 2 Nos e) Treated Water Pump - 0.75HP, Make : ATEXON - 1 Nos	Item No.54	2	Job	7100.00	14,200.00
106	Replacement of media for pressure sand filter (Capacity :1000 LPH @ 2 3.5 kg/Sq.m), MOC of which is FRP, top opening type of dia 330 mm and height 1380 mm including, removing the old media, shifting the same to a location not more than 50 metres away, as directed by AAI, dismantling of the existing pressure sand filter from the said location after removing all pipe line connections, re-fixing the same after filling new media (sand and silex up to70% of total height) , making all necessary piping inter connection as before, replacement of strainer, testing and commissioning of the filter to the satisfaction of the Engineer - In -Charge, AAI.	Item No.55	1	Job	17000.00	17,000.00

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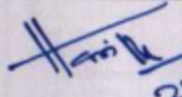
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Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
107	Replacement of media for pressure carbon filter (Capacity :1000 LPH @ 2-3.5 kg/Sq.m), MOC of which is FRP, top opening type of dia 330 mm and height 1380 mm including, removing the old media, shifting the same to a location not more than 50 metres away, as directed by AAI, dismantling of the existing pressure sand filter from the said location after removing all pipe line connections, re-fixing the same after filling new media (Activated carbon with an Iodine vlaue ≥ 1000 , 70% of total height) , making all necessary piping inter connection as before, replacement of strainer, testing and commissioning of the filter to the satisfaction of the Engineer - In -Charge, AAI.	Item No.56	1	Job	11600.00	11,600.00
108	Supply of dosing pump of capacity 6 ltr/hr at a working pressure of 4kg/m2 with tubing connections and all accessories.	Item No.57	2	Job	7100.00	14,200.00
109	Supply,Installation, testing and commissioning of filter feed pump of capacity 20m3/hr, 5HP, 34 meter head, monoblock type, three phase (Kirloskar/ equivalent make) at STP near airport school complete as required.	Item No.58	1	Job	35000.00	35,000.00
110	SITC of 3 HP, three phase, submerssible type sludge pump cutter type having discharge 15m3/hr and head 34 meter with float for automatic switching ON of pump at CISF barrack STP plant complete as required.	Item No.59	1	Job	53000.00	53,000.00
111	SITC of sewage pump 5HP, three phase, monoblock type,self priming of capacity 20 m3/hr and head 14 meter at STP near airport school complete as required as per specifications.	Item No.60	2	Job	44000.00	88,000.00


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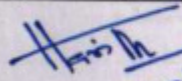
Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
112	Checking of following parameters through Kerala PCB enlisted agency with calibrated test equipment, including submission of test reports for the same etc. complete as required (relevant calibration certificate of equipment to be submitted) Checking exhaust emission of DG (for 7 Nos of DGs twice in a year)	Item No.61a	28	Job	1250.00	35,000.00
113	Checking of following parameters through Kerala PCB enlisted agency with calibrated test equipment, including submission of test reports for the same etc. complete as required (relevant calibration certificate of equipment to be submitted) Noise level of DG (for 7 Nos of DGs twice in a year)	Item No.61b	28	Job	125.00	3,500.00
114	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. (GROUP C)	Item No.62	15	Each	1070.00	16,050.00
115	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 a) 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Item No.63	150	meter	170.00	25,500.00

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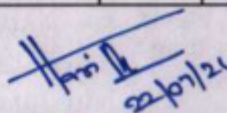
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Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
116	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required a) 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Item No.64	150	meter	224.00	33,600.00
117	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 a) 2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Item No.65	150	meter	260.00	39,000.00
118	Supplying and fixing following size/ modules, PVC box alongwith modular base & cover plate for modular switches in recess etc as required. 3 Module (100mmX75mm)	Item No.66	40	Each	290.00	11,600.00
119	Supplying and fixing following size/ modules, PVC box alongwith modular base & cover plate for modular switches in recess etc as required. 4 Module (125mmX75mm)	Item No.67	5	Each	290.00	1,450.00
120	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required 5/6 A switch	Item No.68	25	Each	143.00	3,575.00
121	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required 3 Pin 5/6 A Socket Outlet	Item No.69	25	Each	170.00	4,250.00

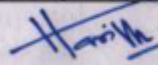

 22/07/24
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 AAI, Calicut International Airport

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
122	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 15/16 A Switch	Item No.70	15	Each	206.00	3,090.00
123	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 6 pin 15/16 amp socket outlet	Item No.71	15	Each	260.00	3,900.00
124	Supplying and fixing piano type switch on the existing switch box/ cover including connections etc. as required 5/6A switch	Item No.72	10	Each	44.00	440.00
125	Supplying and fixing piano type switch on the existing switch box/ cover including connections etc. as required 15/16A switch	Item No.73	10	Each	62.00	620.00
126	Supplying and fixing stepped type electronic fan regulator one module on the existing switch box including connections but excluding modular plate etc. as required.	Item No.74	20	Each	260.00	5,200.00
127	Supply and fixing of SMC loop in loop out box of inside dimension 240 X 130 X 95 (equivalent to Sintex make model No.GS-JB-2817) including suitable 20 A 4 way connector and din rail etc, including making required interconnections as required.	Item No.75	35	Each	620.00	21,700.00


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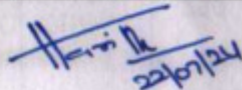
Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
128	Supplying and fixing of 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Item No.76	5	Each	1520.00	7,600.00
129	Earthing with GI earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal and salt as required.	Item No.77	6	Each	6200.00	37,200.00
130	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Item No.78	100	meter	26.00	2,600.00
131	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Item No.79	50	meter	206.00	10,300.00
132	Supply of capacitor duty contactors suitable for 50 Kvar, 440 V 3 phase, 50 Hz with coil voltage 240 V 50 Hz equivalent to l&T make MO C50 model with cat,no, CS96324.	Item No.80	5	Each	3500.00	17,500.00
133	Supply of capacitor duty contactors suitable for 25 Kvar, 440 V 3 phase, 50 Hz with coil voltage 240 V 50 Hz equivalent to l&T make MO C25 model with cat,no, CS96322.	Item No.81	5	Each	2300.00	11,500.00
134	Excavation for cable trenches of depth upto 1.2 m in soft soil including getting out the excavated soil and disposal of surplus excavated soil as directed within a leadof 50 meters.	Item No.82	100	cum	260.00	26,000.00

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
135	Excavation of the cable trenches in hard rock not exceeding 1.5 meters in width, and lift upto 1.5 meters, including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50 meters.	Item No.83	20	cum	920.00	18,400.00
136	Providing and fixing following rating, breaking capacity and adjustable thermal setting MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 3 pole, 100 Amp, 415V, 50Hz, 25KA	Item No.84	1	Each	2600.00	2,600.00
137	Providing and fixing following rating, breaking capacity and adjustable thermal setting MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 3 pole, 32Amp, 415V, 50Hz, 10KA	Item No.85	1	Each	1700.00	1,700.00
138	Supply of Digital time switch (Equivalent to L&T make CAT NO. 67DDT0)	Item No.86	10	Each	1910.00	19,100.00
139	Supplying, drawing following sizes of FR PVC insulated copper conductor, three core cable in the existing surface/ recessed steel/ PVC conduit/ uderground pipe as required. 3 x 1.5 sq. mm	Item No.87	200	meter	80.00	16,000.00
140	Supplying, drawing following sizes of FR PVC insulated copper conductor, four core cable in the existing surface/ recessed steel/ PVC conduit/ uderground pipe as required. 4 x 1.5 sq. mm	Item No.88	100	meter	116.00	11,600.00

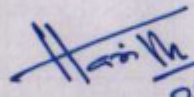

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Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
141	Supplying, drawing following sizes of FR PVC insulated copper conductor, four core cable in the existing surface/ recessed steel/ PVC conduit/ uderground pipe as required. 4 x 4 sq. mm	Item No.89	200	meter	206.00	41,200.00
142	Supply, installation, testing and commissioning of Solar powered red & green colour blinking traffic lights of 4w,300 mm dia suitable for working 24 hours including for mounting on 1.5m pole including supplying ,installing, providing of pole, customized traffic light receiver controller, Long range transmitter, Button box, Battery set & Solar panel required capacity, having 2 day autonomy and connection including painting of pole including provision for wireless control for switching on & off for a distance of 1.5-2 km complete as required	Item No.90	1	Job	161000.00	161,000.00
143	Supply, installation, testing and commissioning of Solar powered red colour blinking traffic lights of 4w,300 mm dia suitable for working 24 hours including for mounting on 1.5m pole including supplying ,installing, providing of pole, customized traffic light receiver controller, Button box, Battery set & Solar panel required capacity, having 2 day autonomy and connection including painting of pole complete as required	Item No.91	1	Job	206000.00	206,000.00
144	Locating the cable fault like earth fault, open circuit fault etc, by means of portable fault locator including excavation, rectifying the fault, refilling etc complete as required but excluding the cost of joining kit.	Item No.92	4	job	35000.00	140,000.00
145	Providing and laying in position cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) including form work etc. as required.	Item No.93	30	cum	6200.00	186,000.00

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
146	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 as required. Upto 35 Sq.mm	Item No.94a	50	meter	35.00	1,750.00
147	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 as required. Above 35 Sq mm upto 95 Sq mm (clamped with 25X3mm MS flat clamp)	Item No.94b	50	meter	71.00	3,550.00
148	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 as required. Above 95 Sq.mm upto 185 Sq.mm (clamped with 25/40 X3mm MS flat clamp)	Item No.94c	50	meter	107.00	5,350.00
149	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 as required. Above 185 Sq mm upto 400 Sq mm	Item No.94d	50	meter	143.00	7,150.00
150	Laying of 1 No. XLPE/PVC insulated, PVC sheathed, armoured / unarmoured aluminum/copper conductor power cable of 1.1 KV / 5 KV grade following sizes in DWC/ HDPE /Hume/ RCC metal /stone ware pipe as required.(clamped with 1mm thick saddle) Upto 35 Sq.mm	Item No.95a	200	Meter	26.00	5,200.00


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Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
151	Laying of 1 No. XLPE/PVC insulated, PVC sheathed, armoured / unarmoured aluminum/copper conductor power cable of 1.1 KV / 5 KV grade following sizes in DWC/ HDPE /Hume/ RCC metal /stone ware pipe as required.(clamped with 1mm thick saddle) Above 35 Sq mm upto 95 Sq mm	Item No.95b	100	Meter	35.00	3,500.00
152	Laying of 1 No. XLPE/PVC insulated, PVC sheathed, armoured / unarmoured aluminum/copper conductor power cable of 1.1 KV / 5 KV grade following sizes in DWC/ HDPE /Hume/ RCC metal /stone ware pipe as required.(clamped with 1mm thick saddle) Above 95 Sq.mm upto 185 Sq.mm	Item No.95c	300	Meter	53.00	15,900.00
153	Laying of 1 No. XLPE/PVC insulated, PVC sheathed, armoured / unarmoured aluminum/copper conductor power cable of 1.1 KV / 5 KV grade following sizes in DWC/ HDPE /Hume/ RCC metal /stone ware pipe as required.(clamped with 1mm thick saddle) Above 185 Sq mm upto 400 Sq mm	Item No.95d	100	Meter	80.00	8,000.00
154	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size PVC insulated and PVC sheathed/ XLPE Al conductor cable of 1.1kV grade as required 4 C x 25 sqmm	Item No.96a	5	set	1700.00	8,500.00
155	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size PVC insulated and PVC sheathed/ XLPE Al conductor cable of 1.1kV grade as required 3.5 C x 50 sqmm	Item No.96b	2	set	1700.00	3,400.00


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Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
156	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size PVC insulated and PVC sheathed/ XLPE Al conductor cable of 1.1kV grade as required 3.5 C x 70 sqmm	Item No.96c	2	set	2060.00	4,120.00
157	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size PVC insulated and PVC sheathed/ XLPE Al conductor cable of 1.1kV grade as required 3.5 C x 185 sqmm	Item No.96d	15	set	3050.00	45,750.00
158	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size PVC insulated and PVC sheathed/ XLPE Al conductor cable of 1.1kV grade as required 3.5CX240 sq.mm	Item No.96e	2	set	3050.00	6,100.00
159	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. 4C x 25sqmm	Item No.97a	15	Set	290.00	4,350.00
160	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. 3.5 C x 50 Sq.mm	Item No.97b	2	Set	404.00	808.00

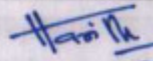

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Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
161	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. 3.5C x 70 sqmm	Item No.97c	2	Set	404.00	808.00
162	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. 3.5C x 185 sqmm	Item No.97d	10	Set	800.00	8,000.00
163	Repairing of earth pits by dismantling the existing masonry enclosure and providing RCC enclosure of 1:2:4 grade (1 cement : 2 coarse sand : 4 graded stone) and reinforced with steel rods 8mm dia in a pattern approved by AAI, providing hinged MS cover of minimum 8 mm thickness with suitable locking system as per specifications including, painting the earth pit portion above ground and cover plate, numbering the same, providing and fixing suitable funnel, removing of debris etc. as per the direction of EIC.	Item No.98	15	Job	2600.00	39,000.00
164	Repairing of 11kV HT yard structure complete with the following works as required Supply and fixing of 11kV AB switch including dismantling the existing AB switch with required nut and bolts(1 job=1 set of AB switch)	Item No.99a	2	job	17000.00	34,000.00

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Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
165	Repairing of 11kV HT yard structure complete with the following works as required Supply and fixing of 11kV lightning arrestor including dismantling the existing lightning arrestor with required nut, bolts and jumpers(1 job=1 set of arrestors)	Item No.99b	2	job	3500.00	7,000.00
166	Repairing of 11kV HT yard structure complete with the following works as required Supply and fixing of 200 A Drop out fuse including dismantling the existing DO fuse with required jumpers(1 job=1 set of DO fuse)	Item No.99c	2	job	4400.00	8,800.00
167	Painting of HIRL/MIRL Light fittings installed at runway at Calicut Airport with PU paint of aviation yellow colour (2 coats) of approved brand as required after removing dirt and grease.	Item No.100	500	Job	62.00	31,000.00
168	Painting of Approach Light fittings installed at runway at Calicut International Airport with PU paint of aviation yellow colour (2 coats), approved brand as required after removing dirt and grease.	Item No.101	30	Job	62.00	1,860.00
169	Painting of PAPI Light fittings installed at runway at Calicut International Airport with PU paint of aviation yellow colour (2 coats), approved brand as required after removing dirt and grease.	Item No.102	8	Job	710.00	5,680.00
170	Painting of Landing 'T' Light fittings installed at runway at Calicut International Airport with PU paint of aviation yellow colour (2 coats), approved brand as required after removing dirt and grease.	Item No.103	1	Job	1520.00	1,520.00

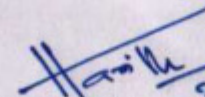

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Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
171	Supplying and installing following size of perforated painted with powder coating G.I. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required. 300 mm width x 50 mm depth x 1.6 mm thickness	Item No.104	100	meter	920.00	92,000.00
172	Hiring of Hydraulic Earth mover/Excavator complete with driver and fuel for levelling, digging and other earth work required for cabling etc.	Item No.105	100	hour	1520.00	152,000.00
173	Supply of ELANTAS compound of weight 25kg along with ELANTAS hardner (758) 1 Kg	Item No.106	10	Set	12500.00	125,000.00
174	Supply of AC Surge Protection Device AC SPD (Type 2), Make : GEHE voltage :690V Cartridge without base Part code 0926910483 suitable for Delta make Inverter	Item No.107	10	Each	2600.00	26,000.00
175	Supply of DC Surge Protection Device SPD (Type 2) Make : GEHE Voltage :1120V, Cartridge without base Part code 921022783 suitable for Delta make Inverter	Item No.108	50	Each	2600.00	130,000.00
176	Supply of Halogen lamp 150W (OSRAM, 64631 HLX-Z 150W-15 PK30D or equivalent) suitable for use in runway edge light fitting or equivalent in approved makes of AAI	Item No.109	100	Each	1070.00	107,000.00
177	Supply of Halogen lamp 200 W (OSRAM, 64382 HLX-C 200W 6.6A PK30D or equivalent,) suitable for use in Runway Edge Light fitting or equivalent in approved makes of AAI	Item No.110	100	Each	530.00	53,000.00

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
178	Supply of 105 W, 6.6 A, halogen lamp used for runway edge inset type fittings (Make : Osram Cat No. 64339C/ NARVA MODEL 6108 or equivalent in list of approved makes of AAI)	Item No.111	60	Each	1520.00	91,200.00
179	Supply of 200 watts 20/6.6 amps rating, 5KV grade, 50 Hz isolating transformer series type encapsulated in polyester resin finally moulded in neoprene type rubber with primary & secondary connections and confirming to the enclosed particular specifications.	Item No.112	5	Each	4400.00	22,000.00
180	Supply of 200 watts 6.6/6.6 amps rating, 5KV grade, 50 Hz isolating transformer series type encapsulated in polyester resin finally moulded in neoprene type rubber with primary & secondary connections and confirming to the enclosed particular specifications.	Item No.113	5	Each	4400.00	22,000.00
181	Supply of 150 watts 20/6.6 amps rating, 5KV grade, 50 Hz isolating transformer series type encapsulated in polyester resin finally moulded in neoprene type rubber with primary & secondary connections and confirming to the enclosed particular specifications.	Item No.114	10	Each	4400.00	44,000.00
182	Supply of 100 watts 6.6/6.6 amps rating, 5KV grade, 50 Hz isolating transformer series type encapsulated in polyester resin finally moulded in neoprene type rubber with primary & secondary connections and confirming to the enclosed particular specifications.	Item No.115	5	Each	4400.00	22,000.00
183	Supply of 65 watts 6.6/6.6 amps rating, 5KV grade, 50 Hz isolating transformer series type encapsulated in polyester resin finally moulded in neoprene type rubber with primary & secondary connections and confirming to the enclosed particular specifications.	Item No.116	10	Each	3500.00	35,000.00

Sl. No	Item Description	Item Code/ Make	Qty	Unit	Rate	Amount
184	Supply of 45watts, 20/6.6 amps rating, 5KV grade, 50 Hz isolating transformer series type encapsulated in polyester resin finally moulded in neoprene type rubber with primary & secondary connections and confirming to the enclosed particular specifications.	Item No.117	5	Each	4400.00	22,000.00
185	Supply of 180° inner perismatic lenses (filter) - for Ema make REL (R-2150) elevated Runway fitting a) Supply of Filter 180° - yellow	Item No.118	10	Each	3230.00	32,300.00
186	Supply of SCR Ruttonsha make model 250RK160 suitable for 30KW CCR.	Item No.119	6	Each	3230.00	19,380.00
187	Supply of EMCO make model EE301-E automatic voltage regulating relay suitable for on-load tap changer	Item No.120	2	Each	11600.00	23,200.00
	Total					27,038,435.00

(Rupees Two Crore Seventy Lakhs Thirty Eight Thousand Four hundred and Thirty Five Only)


 Asst. General Manager (Engg-Ele)
 AAI, Calicut International Airport

Signature Not Verified

Digitally signed by HARI P R
 Date: 2025.02.25 10:29:31 IST
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