



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

No. AAM/ENGG (E)/AMED-IX/FMC of EI/2022-23/ **A-21**

Date: 25.07.2022.

To

M/s Lakshmi Electrical Enterprises
No. 1c, CLC Works Road,
New Colony, Chromepet,
Chennai- 600 044.

Sub: FMC for Repair & Maintenance of Internal & External Electrical Installations at
AAI (Metro) Residential Colony, Operational Office & Other Ancillary Buildings
at Chennai International Airport (2022-2024).

Ref: Tender ID: 2022_AAI_116300_1

Tender Ref. No: AAI/CHE/AMED-IX/FMC/2022.

Dear Sir (s),

1. Your E-tender for the above mentioned work is hereby accepted on behalf of the Chairman, Airports Authority of India, at the item rates quoted by you totaling to Rs. 2,17,93,220.00 (Rupees Two Crore Seventeen Lakhs Ninety Three Thousand Two Hundred and Twenty only) which is 13.59 % below the Estimated Cost of Rs. 2,52,21,059.00 (Rupees Two Crore Fifty Two Lakhs Twenty One Thousand and Fifty Nine Only) which is inclusive of all the taxes, duties, levies and octroi etc., Except GST which will be paid extra as applicable.
2. Joint General Manager (Engg-Elect)-II, AMED, Operational Office, Airports Authority of India, Chennai Airport, Chennai – 600 027 shall be the Engineer-In-Charge of the work. You are requested to attend to the Office of Joint General Manager (Engg-Elect)-II, AMED AAI, Chennai Airport by 10.08.2022 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100/- (Rupees One Hundred only) and the cost of the stamp paper shall be borne by you.
3. You are requested to deposit an amount of Rs. 21,79,322.00 (Rupees Twenty One Lakhs Seventy Nine Thousand Three Hundred and Twenty Two Only) towards Security Deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted as per Clause 1A of General Conditions of Contract.
4. You are also directed to contact the Joint General Manager (Engg-Elect)-II, Airport Maintenance Electrical Division, Operational Office, Airports Authority of India, Chennai Airport or his Authorised representative immediately for the execution of the above work.

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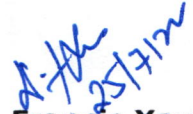


भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

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5. You are requested to comply with the provision of Contract Labour Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central Rules 1971 and Minimum Wages Act and Rules thereof Central and State Governments.
6. Please note that the time allowed for carrying out the work shall be 24 (Twenty Four) Months which shall be reckoned from 01.08.2022.
7. Any further correspondence in connection with the contract should normally be addressed to the Engineer-In-Charge.
8. 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.

Encl: Schedule of Quantity (Page no. 1 of 4).


(W. Francis Xavier)
**Joint General Manager (Engg - Elect)-II,
For and on behalf of the Chairman,
Airports Authority of India.**



AIRPORTS AUTHORITY OF INDIA
चेन्नई एयरपोर्ट: चेन्नई 600 016
CHENNAI AIRPORT: CHENNAI 600 016
SCHEDULE OF QUANTITIES

NAME OF WORK: FMC for Repair & Maintenance of Internal & External Electrical Installations at AAI (Metro) Residential Colony, Operational Office & Other Ancillary Buildings at Chennai International Airport(2022-2024).

Sl.No.	Description of Items	Qty	Unit	Basic rate ((Excluding GST)	Amount (Excluding GST)
SH:I	FMC for Internal and External Electrical installations				
1	FMC for all Internal and External Electrical installations at AAI (IAD) Residential Colony i/c Community hall& school, Ancillary buildings i/c Admin Office, Intake substation, Central Substations, Dog Kennels, All Power Houses, WTP, NEW WTP, STP, CCR Hall, CISF Barracks at Pazhavanthangal, Fire Stations, MT Sections (Old & New), Ceremonial Lounge and All Pump Houses, S2 Police station etc., to ensure satisfactory serviceability through providing repair/maintenance services for all Internal & External Electrical installations involving repairs and maintenance of connected LT feeders to the buildings switch rooms etc., repair/replacement of circuit wiring, switches, lamps, chokes, fixtures etc. (Required replacement of materials shall be issued by AAI free of cost) i/c providing consumable material like cotton waste, oil, grease, etc., & other sundry material required for cleaning at site etc. as required, including ensuring 100 % serviceability of External and Internal Electrical Installations, preventive maintenance, routine maintenance; breakdown maintenance; etc., i/c maintenance of records / data entries and documentation including effective supervision etc. ,on all days including Sundays and holidays.	24	Months	781500	1,87,56,000.00
SH:II	Painting, Repainting, Rewinding & Miscellaneous				
2	Re-painting of L.T. panels, chequered plate, electrical installations etc. with approved quality enamel paint of required colour in two coats with spray gun i/c scrapping & cleaning the surface complete as per site requirement and direction of E-I-C.	25	Sq mtr	150.00	3,750.00
3	Rewinding of following fans as per original characteristics with super enamelled copper wire and 'E' class insulation material, replacement of the worn out bearing etc. as required i/c dismantling, making arrangement for transportation to workshop and reinstallation of the same at site, making supply connection, providing and fixing of necessary nut & bolts etc. (To be carried out as & when required).				
a	Exhaust fan (300mm/450mm Sweep)	10	Each	550.00	5,500.00
b	Ceiling fan (1050mm /1200mm Sweep)	50	Each	550.00	27,500.00
c	Wall mounted fan/pedestal fan (300mm/450sweep)	10	Each	900.00	9,000.00
d	Air Circulator (450mm/600mm Sweep)	5	Each	900.00	4,500.00
4	Lettering with one coat of approved shade of synthetic enamel paint in following size s on different places in English or Tamil etc. as reqd.				
a	1" size (one word / name including special characters & digits)	100	No	50.00	5,000.00
b	2" size (one word / name including special characters & digits)	100	No	80.00	8,000.00
5	Re-painting of cable tray of all sizes (upto 600 mm wide) i/c supports etc. with good quality of paint in one or more coats including scraping, cleaning etc. of outer surface only complete as per site condition and direction of EIC.	20	mtr	150.00	3,000.00
6	Rates for extra mandays for providing services as and when required basis				
a	Skilled (Electrician/ Mason/ Cable Joiner)	10	days	900.00	9,000.00
b	Helper	10	days	820.00	8,200.00
7	Dismantling of existing LT Cubical panel i/c electrical wiring, cables, switch gears, measuring instrument etc. , as required at site and transporting to AAI stores.	3	No	4000.00	12,000.00
8	Providing Labour and Hire Charges for deploying Excavator (JCB) i/c Operator for tracing the cable faults, excavation and refilling of Cable trench after work etc., as required.	20	hrs	1500.00	30,000.00
9	Providing Labour and Hire Charges for deploying Gas Cutting MACHINE i/c Cutter, Gases in Cylinder etc., for cutting of Chequered Plates, MS Angles as required.	10	hrs	1800.00	18,000.00
10	Providing labour and hire charges for deploying Crane (upto 10 Ton) i/c operator for lifting/ Shifting of Equipments/ Cable Drums, etc., as required.	10	hrs	2500.00	25,000.00

Sl.No.	Description of Items	Qty	Unit	Basic rate ((Excluding GST)	Amount (Excluding GST)
11	Locating the Cable fault on LT feeder cables laid directly in ground/ duct/ pipe including providing Cable Fault Tracer (Rental) etc., as required.				
a)	LT CABLES [ONLY IN CASE OF EMERGENCY]	1	job	28000.00	28,000.00
12	Cleaning of cable trenches by lifting the cables, supporting the cables, removing waste materials I/c malba, debris etc., and transporting and dumping the same to waste dumping yard etc. as required.	40	mtr	300.00	12,000.00
13	Cleaning of bus ducts I/c removing of covers, checking of bus bars, bus supports, tightening of busses and supports and re-fixing of covers, testing, commissioning etc., as required.	20	mtr	300.00	6,000.00
14	Retrieval of one number PVC/XLPE insulated and PVC sheathed power cable of 1.1KV grade of size upto 120 Sqmm from the existing RCC/ HUME/ STONEWARE/ METAL/ GI PIPES/ Duct/ TRAY/ TERRACE etc., as required.	50	Mtrs.	100.00	5,000.00
15	Supply and Installation of maintenance free copper bonded single rod earthing system inclusive of earthing rod size dia 17.2 mm length 3000mm, copper bonded earth terminal with ultra safe ground enhancement material (Min 25Kg) and construction of Earth pit chamber and CI Cover for earth pit chamber etc. as required.	3	Job	8000.00	24,000.00
16	Replacement light fittings / fans with the following including supply of light fitting/fans and connections with 1.5 Sq.mm. PVC insulated copper conductor cable as required:				
a	Linear general purpose LED light fitting aluminium housing(Crompton CCS-100-20-65-HL2-DP-NWH OR EQUIVALENT) on wall/ceiling/suspension chain	50	Nos	380.00	19,000.00
b	Heavy duty Exhaust fan 300mm,900rpm in the existing opening (Make:Usha 300mm Aero clean plus or equivalent)	20	Nos	2425.00	48,500.00
c	Heavy duty Exhaust fan 450mm in the existing opening (Make:Usha 450mm Turbo Heavy Duty or equivalent)	30	Nos	3600.00	1,08,000.00
d	Ceiling fan 1200 mm sweep (Make: Usha Technix Plus or equivalent)	30	Nos	1785.00	53,550.00
e	Ceiling fan 1050 mm sweep (Make:Usha Striker or equivalent)	10	Nos	1400.00	14,000.00
f	Air circulators Wall type 450 mm sweep (Make : Usha 450mm Dominaire or equivalent approved make)	5	Nos	4400.00	22,000.00
g	80W LED Flood Light (make:Crompton LCNP-80-CDL/60-M) or equivalent approved make)	20	Nos	3200.00	64,000.00
h	LED Downlighter 1500 lumens, minimum 100lm/Watt (Crompton CDR-205-15-57-SL-NWH or Equivalent)	5	Nos	570.00	2,850.00
i	400mm pedestal fan(make: Usha 400mm Mist Air ICY or Equivalent)	20	Nos	2150.00	43,000.00
j	400mm Wallmount fan(make: Usha 400mm Mist Air ICY or Equivalent)	40	Nos	1750.00	70,000.00
SH-III SUPPLY OF SPARE PARTS FOR MAINTENANCE & REPAIR WORKS					
17	Supply of LED Bulb; shape GLS; 09 watts;minimum 95lm/watt, 220-240 volts; B22(Pin type), 6500K, Make Havells LHLDEUEBML8R009 or equivalent	200	No	70.00	14,000.00
18	Supply of LED Bulb;shape GLS; 15 watts; 220-240 volts; B22(Pin type), 6500K, Make Havells LHLDEREEMK8X015 or equivalent	100	No	160.00	16,000.00
19	Supply of 2.5 MFD Capacitor for Fan operated on single phase, 230 V, complete as required.	500	No	35.00	17,500.00
20	Supplying of PVC Casing & Capping as and when required.				
a)	20 X 12mm	200	meter	30.00	6,000.00
b)	25 X 16 mm	100	meter	35.00	3,500.00
c)	4"x2" inch for AC Refrigerant piping	50	meter	100.00	5,000.00
21	Supply of Instant Electric water Geyser of minimum 3 litres storage capacity, wattage : 3000 W with all standard accessories etc. (Havells instancio 3L or equivalent)	3	Nos	2860.00	8,580.00
22	Supply of Aluminium Conductor, XLPE insulated, PVC sheathed, armoured power cable of 1.1 KV grade of following Sizes conforming to IS 7098 (Part-1) as amended upto date as required. [AS AND WHEN REQUIRED BASIS ONLY]				
a)	3 X 10 sq. mm	50	meter	126.00	6,300.00
b)	3 X 16 sq. mm	50	meter	130.00	6,500.00
c)	4 X 10 sq. mm	50	meter	136.00	6,800.00

Sl.No.	Description of Items	Qty	Unit	Basic rate ((Excluding GST)	Amount (Excluding GST)
d)	4 X 16 sq. mm	50	meter	161.00	8,050.00
e)	4 X 25 sq. mm	50	meter	210.00	10,500.00
f)	3½ X 35 sq. mm	50	meter	243.00	12,150.00
g)	3½ X 95 sq. mm	10	meter	540.00	5,400.00
h)	3½ X 120 sq. mm	10	meter	672.00	6,720.00
23	Supply of Copper Conductor, FR PVC insulated, PVC sheathed, un-armoured power cable of 1.1 KV grade of following Sizes conforming to IS 694 as amended upto date as required. [AS AND WHEN REQUIRED BASIS ONLY]				
a)	3c x 1.5sq.mm	500	meter	55.00	27,500.00
b)	3c x 2.5sq.mm	500	meter	85.00	42,500.00
c)	3c x 4sq.mm	200	meter	131.00	26,200.00
d)	4c x 4 sq.mm	100	meter	173.00	17,300.00
e)	3c x6 sq.mm	50	meter	193.00	9,650.00
f)	1c x70sqmm(for earthing)	150	meter	675.00	1,01,250.00
24	Supply of Single core flexible copper conductor Flame Retardent Low Smoke (FRLS) insulated wires, 1100 Volts conforming to IS:694 of following sizes:				
a	1.0 sq.mm single core copper cable	100	meter	12.00	1,200.00
b	1.5 sq.mm single core copper cable	500	meter	16.00	8,000.00
c	2.5 sq.mm single core copper cable	400	meter	26.00	10,400.00
d	4 sq.mm single core copper cable	300	meter	40.00	12,000.00
e	6 sq.mm single core copper cable	50	meter	59.00	2,950.00
25	Supply of Copper Conductor, XLPE insulated, PVC sheathed, armoured power cable of 1.1 KV grade of following Sizes conforming to IS 7098 (Part-1) as amended upto date as required.				
a)	3c x 2.5sq.mm	100	meter	138.00	13,800.00
b)	3c x 4sq.mm	100	meter	190.00	19,000.00
c)	5c x 4 sq.mm	50	meter	308.00	15,400.00
26	Supplying following rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	40A DP	5	Nos	690.00	3,450.00
b	63A DP	5	Nos	770.00	3,850.00
c	40A TP	5	Nos	1100.00	5,500.00
d	40A FP	5	Nos	1480.00	7,400.00
e	63A FP	5	Nos	1550.00	7,750.00
27	Supply of following rating and breaking capacity and pole MCCB with micro processor LSI release and Adjustable overload current setting,complies with IEC 60947-2,Direct mounting arrangement for extended rotary handle etc. as required.				
a	4P 100A 25kA	2	Nos	6560.00	13,120.00
b	4P 160A 25kA	1	Nos	8200.00	8,200.00
c	4P 250A 25kA	1	Nos	11500.00	11,500.00
28	Supply of following Modular switches, Modular sockets, PVC boxes, Modular base & cover plates etc. as required.				
a	Supply of 10A Modular Switch, Anchor Roma make code No.21011 or equivalent.	150	Nos	50.00	7,500.00
b	Supply of 20A Modular Switch, Anchor Roma make code No.21066 or equivalent.	100	Nos	90.00	9,000.00
c	Supply of 10A Modular Socket, Anchor Roma make code No.30373 or equivalent.	100	Nos	90.00	9,000.00
d	Supply of 25A & 10A Modular Twin Socket, Anchor Roma make code No.34374 or equivalent.	100	Nos	140.00	14,000.00
e	Dummy plate, Anchor Roma make code No.21598 or equivalent.	50	Nos	25.00	1,250.00

Sl.No.	Description of Items	Qty	Unit	Basic rate ((Excluding GST)	Amount (Excluding GST)
f	1 or 2 Module PVC box, Anchor Roma make code No.21281or equivalent.	50	Nos	40.00	2,000.00
g	3 Module PVC box ,Anchor Roma make code No.20449 or equivalent.	100	Nos	70.00	7,000.00
h	4 Module PVC box, Anchor Roma make code No.21292 or equivalent.	100	Nos	72.00	7,200.00
i	6 Module PVC box,Anchor Roma make code No.30511 or equivalent.	250	Nos	80.00	20,000.00
j	9 Module PVC box,Anchor Roma make code No.30704 or equivalent.	250	Nos	90.00	22,500.00
k	Supply of 1 or 2 Module base & cover plate , Anchor Roma make or equivalent. for modular boxes.	50	Nos	100.00	5,000.00
l	Supply of 3 Module base & cover plate , Anchor Roma make code No.21372 WH or equivalent. for modular boxes.	100	Nos	140.00	14,000.00
m	Supply of 4 Module base & cover plate ,Anchor Roma make code No.21339 WH or equivalent. for modular boxes.	100	Nos	160.00	16,000.00
n	Supply of 6 Module base & cover plate , Anchor Roma make code No.21340 WH or equivalent. for modular boxes.	250	Nos	160.00	40,000.00
o	Supply of 8/9 Module base & cover plate , Anchor Roma make code No.21431 or equivalent. for modular boxes.	250	Nos	180.00	45,000.00
SH-IV CMC & Lift License Items					
29	Obtaining Lift license from lift licensing authority i.e govt of tamilnadu by applying three months prior to the date of expiry of the license as required and as per the direction of Engineer-in-Charge.	1	Job	8500.00	8,500.00
30	All inclusive Comprehensive maintenance contract charges for 10KVA 3ph-3ph Numeric make UPS system installed at Ceremonial lounge etc. complete as required.	12	Months	5000.00	60,000.00
SH-IV DSR E&M 2018 ITEMS					
31	Execution of works as per CPWD Delhi Schedule of Rate (E&M) 2018 as and when required for a fixed amount for 1 st year and 2 nd year as mentioned below. (Note: Rate shall be quoted for 1 st year and 2 nd year in the Indian Rupees only for a fixed amount of Rs.10,00,000/- as clarified below and as per techo-commerical specification P.No TCS -16 of tender document. For Example: If desired to quote 5% above on DSR-2018 rates, the rate column shall be filled as Rs.10,50,000/- If desired to quote 5% below on DSR-2018 rates, the rate column shall be filled as Rs.9,50,000/-				
a)	For 1st year - For a fixed amount of Rs.10,00,000/- on CPWD Delhi Schedule of Rate (E&M) 2018	1	As per DSR- 2018	780000.00	7,80,000.00
b)	For 2nd year - For a fixed amount of Rs.10,00,000/- on CPWD Delhi Schedule of Rate (E&M) 2018	1	As per DSR- 2018	780000.00	7,80,000.00
TOTAL EXCLUSIVE OF GST					2,17,93,220.00

(Rupees Two Crore Seventeen Lakhs Ninety Three Thousand Two Hundred and Twenty Only)

JGM (E-E)-II
AAI, Chennai Airport.

Signature Not Verified

Digitally signed by Juhi Sharma
Date: 2025.02.13 12:38:52 IST
Location: eProcurement System for Central
PSUs