



भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA

No. AAM/ENGG/ELEC/AMED-IX/ Renovation - CISF /24-25/A-44

Date: 06.03.2024

M/s. Lakshmi Electrical Enterprises,
No. 1C, CLC Works Road,
New Colony, Chrompet,
Chennai – 600 044.

Name of Work: Renovation of Building Opposite to Integrated Cargo Complex &
Building near Gate No.2 for CISF Accommodation.
SH: INTERNAL AND EXTERNAL ELECTRIFICATION WORKS

Ref: Tender ID- 2024_AAI_185198_1

Dear Sir(s),

1. Your E-tender for the above-mentioned work has been accepted by the Competent Authority on behalf of the Chairman, Airports Authority of India, at the item rates quoted by you totaling to ₹ 95,99,875.00 (Rupees Ninety-Five Lakhs Ninety-Nine Thousand Eight Hundred and Seventy-Five Only) excluding GST which is 17.83% below the Estimated cost of ₹ 1,16,82,955.00 excluding GST put to tender.
2. Joint General Manager (Engg-Elect.), AAI, Chennai Airport, Chennai – 600 016 shall be the Engineer-in-Charge of the work. You are requested to attend to the Office of Joint General Manager (Engg-Elect.), AAI, Chennai Airport by 15.03.2024 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value ₹ 100.00 (Rupees One Hundred only) and the cost of the stamp paper shall be borne by you.
3. Please deposit an amount of ₹ 9,59,988.00 (Rupees Nine Lakhs Fifty-Nine Thousand Nine Hundred and Eighty-Eight 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 Contract Document. Earnest Money Deposit amount will be returned back to your account after deducting equal amount of EMD against Security Deposit from your bill.
4. 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 there of Central and State Governments.

फैक्स: 044 - 2256 0008 ई पी ए बी एक्स: 2256 0551, चेन्नई हवाई अड्डे, चेन्नई – 600 016
Fax: 044 - 2256 0008 EPABX: 2256 0551, Chennai Airport, Chennai – 600 016



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5. Please note that the time allowed for carrying out the work shall be 04 (Four Months) and the same shall be reckoned with effect from 15.03.2024.
6. You are also directed to contact Asst. Gen. Manager Engg. (Elect.), Airport Maintenance Electrical Division, Airports Authority of India, Operational Offices, Chennai Airport immediately for the execution of the above-mentioned work
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.

Yours faithfully,

(A. Mariappan)

Joint General Manager (Engg. – Elect.),
For and on behalf of the Chairman,
Airports Authority of India.

Encl: Schedule of Work (05 Pages)

AIRPORTS AUTHORITY OF INDIA
CHENNAI AIRPORT::CHENNAI 600 016
SCHEDULE OF WORK

NAME OF WORK:- Renovation of Building Opposite to Integrated Cargo Complex & Building near Gate No.2 for CISF Accommodation .

SH: INTERNAL AND EXTERNAL ELECTRIFICATION WORKS

Sl. No.	Description of Item	Unit	Qty	Basic Rate (Excluding GST)	Amount (Excluding GST)
	SH: I Internal Electrification Works				
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel 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.				
a	Group B	Each	1187	1,150.00	₹ 13,65,050.00
2	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/recessed steel/PVC conduit including dismantling as required.				
a	Group B	Each	100	175.00	₹ 17,500.00
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.				
a	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Mtr	2000	325.00	₹ 6,50,000.00
b	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Mtr	100	356.00	₹ 35,600.00
c	4 X 2.5 sq.mm + 2 X 2.5 sq.mm earth wire	Mtr.	3250	395.00	₹ 12,83,750.00
d	4 X 4 sq.mm + 2 X 4 sq.mm earth wire	Mtr	300	460.00	₹ 1,38,000.00
4	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.				
a	3.5 C X 120 Sqmm.	Mtr.	500	515.00	₹ 2,57,500.00
b	4 C X 10 Sqmm.	Mtr	650	110.00	₹ 71,500.00
c	4 C X 25 Sqmm.	Mtr	700	160.00	₹ 1,12,000.00
5	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	40	440.00	₹ 17,600.00
6	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	Each	540	360.00	₹ 1,94,400.00
7	Supply of 1200mm sweep, BEE 3 star rated ceiling fans suitable for 230 volt 50 HZ Supply, with 30 cm down rod and other accessories, canopies, with out regulator etc. as required.	Each	345	1,815.00	₹ 6,26,175.00
8	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a	6 way (4 + 18), Double door	Job	6	3,250.00	₹ 19,500.00
b	8 way (4 + 24), Double door	Job	12	3,500.00	₹ 42,000.00

Sl. No.	Description of Item	Unit	Qty	Basic Rate (Excluding GST)	Amount (Excluding GST)
9	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required.				
a	4 way (4 + 12), Double door	Job	3	6,800.00	₹ 20,400.00
10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	Single pole	Job	356	140.00	₹ 49,840.00
b	Triple pole	Job	6	675.00	₹ 4,050.00
11	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	63 A	Each	21	610.00	₹ 12,810.00
12	Installation, testing and commissioning of ceiling fan, including wiring the down rods of length upto 30 cm with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	Job	345	125.00	₹ 43,125.00
13	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Job	345	325.00	₹ 1,12,125.00
14	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Job	50	5.00	₹ 250.00
15	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Job	50	15.00	₹ 750.00
16	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.				
a	3.5 C X 120 Sqmm.	Sets	8	900.00	₹ 7,200.00
b	4 C X 10 Sqmm.	Sets	30	550.00	₹ 16,500.00
c	4 C X 25 Sqmm.	Sets	21	650.00	₹ 13,650.00
17	Supplying and laying of "B" Class G.I pipe of 150 mm dia including removal of Paver block and Soil depth upto 750 mm and refilling the trench with excavated Soil after laying Pipe, ramming, watering, consolidation and making good the surface to original finish and disposal of left out excavated soil away from Airport premises etc. complete as required.				
a	150 mm	Mtr	70	2,400.00	₹ 1,68,000.00
18	Supply of 300mm sweep, metallic exhaust fan, minimum 1300 rpm, suitable for 230 volt 50 HZ Supply including all accessories etc. as required. (Usha Aero clean plus make or equivalent).	Each	32	1,750.00	₹ 56,000.00
19	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. <i>Upto 450 mm sweep</i>	Job	32	350.00	₹ 11,200.00

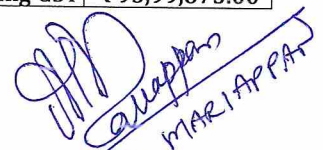
Sl. No.	Description of Item	Unit	Qty	Basic Rate (Excluding GST)	Amount (Excluding GST)
20	Laying and fixing of one number PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of following size on wall surface as required. <i>Upto 35 sq. mm (clamped with 1mm thick saddle)</i>	Mtr.	1350	60.00	₹ 81,000.00
21	Laying and fixing of one number PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of following size on wall surface as required. <i>Above 95 sq.mm and upto 185 sq.mm (clamped with 25x3mm MS flat clamp)</i>	Mtr.	240	150.00	₹ 36,000.00
22	Laying and fixing of one number PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required. <i>Above 95 sq.mm and upto 185 sq.mm</i>	Mtr.	120	80.00	₹ 9,600.00
23	Laying and fixing 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 pipe as required. <i>Above 95 sq.mm and upto 185 sq.mm</i>	Mtr.	140	80.00	₹ 11,200.00
24	Supply and fixing of PVC casing and capping of size 20X12mmx1.2mm (Make: AKG/ Salzer/ Setia/ Anchor) as required.	Mtr.	100	60.00	₹ 6,000.00
25	Supply and fixing of PVC casing and capping of size 25X16mmx1.2mm (Make: AKG/ Salzer/ Setia/ Anchor) as required.	Mtr.	150	75.00	₹ 11,250.00
SH:-II SITC Of LED Lights					
26	Supply of LED flood light, Surface Mounted Device (SMD), Floodlight luminaire with System efficacy of more than 110 lm/W and with System High Lumen Output Minimum 8800 Lumen. Luminaire shall have two separate compartments for LEDs and driver and both compartments should be hermetically sealed to achieve IP 66 ingress protection. The LEDs used shall have High Purity Lens to provide Asymmetrical Wide beam light distribution angle for Uniform lighting and glare free lighting. Operating temperature shall be 0 to 50deg C, CCT of 5665 ± 355 Kelvin, CRI not less than 70, with 4 KV internal Surge Protection and 10 KV external surge protection, complete with all accessories etc and meeting the technical specifications as required.	Each	30	3,100.00	₹ 93,000.00
27	Supply of 4 feet 30W LED batten made of extruded aluminium housing. It has a system with luminaire efficacy of not less than 100 lm/W. constant current output driver, operating range 150 – 270V AC supply, LED Colour Temp. from 5700K- 6500K with Minimum 50000 burning hours life. The luminaire is IP 20 protected etc. complete as required.	Each	810	395.00	₹ 3,19,950.00
28	Installation, testing and commissioning of wall bracket / ceiling/ surface/ recess LED Light fittings of all sizes and shapes complete with all accessories including connections etc. as required.	Each	30	175.00	₹ 5,250.00
29	Installation, testing and commissioning of LED batten fitting, complete with all accessories directly on ceiling/ wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	810	75.00	₹ 60,750.00
30	Supply and fixing of hinged door SMC junction Box (similar to sintex: JS-JB-2817) on the wall surface including providing & fixing suitable connectors for loop in & loop out 4 core 10 sq. mm. armoured aluminium cable, 6 Amp MCB, Interconnection etc. as required.	Each	30	750.00	₹ 22,500.00

Sl. No.	Description of Item	Unit	Qty	Basic Rate (Excluding GST)	Amount (Excluding GST)
	SH:-III SITC of Open well Submersible pumps				
31	Supply of Monoblock pump with suction/ Delivery pipe line of 5"/4" dia, discharge, 110 CUM/Hr @ 30 mtr, operated at 3 Phase, 415 V, 50 Hz, , AC power supply with stainless steel shaft, bronze impeller, mechanical seal, Class 'F' insulation including loading, unloading at site etc complete as required. (Similar to Make: Kirloskar, Model: KDS 335 ++ or equivalent)	Each	3	28,500.00	₹ 85,500.00
32	Supply of 3hp/2.2 kW star-delta starter panel with enclosure suitable to operate in 415 V, 50 Hz, 3 phase motor AC power supply complete etc as required. (Make: L&T MK1-STAR DELTA STARTERS)	Each	3	7,000.00	₹ 21,000.00
33	Installation, testing and commissioning of 3 hp/2.2 kW star-delta starter panel on wall including termination at panel side as per the specification complete as required.	Job	3	2,000.00	₹ 6,000.00
34	Supply and Installation of various Mild Steel structure fabricated using single section MS Channel/angle/flat/bar etc including cutting, welding, drilling, fixing in position using appropriate fasteners, grinding, painting with approved steel primer and two coats enamel paint etc. complete as required.	Kg	50	140.00	₹ 7,000.00
	SH:-IV Earthing				
35	Earthing with G.I. earth pipe 4.5 m long x 40 mm dia. including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal /coke and salt complete as required.	Job	10	8,250.00	₹ 82,500.00
36	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Mtr	100	175.00	₹ 17,500.00
37	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.	Mtr	2700	27.00	₹ 72,900.00
	SH:-V SITC of RO purifier i/c Water Dispensers				
38	Supply of floor mounted type water cooler having following capacities with RO+ESS or RO + UV purification, Outer body Stainless steel 204 food Grade body and storage tank should be food grade SS 304, Non-CFC refrigerant, operating on 220 V ± 10% 50 Hz Single phase AC supply with COLD/ NORMAL water taps, suitable pre-filters (spun & carbon), necessary piping / hose connections with nearby water source, power cable connections complete etc. as required (Make: Zero B Eco Chill 150-150-150 cold or equivalent) RO Purification capacity : Not less than 150 ltr/hour Cool water tank : Not less than 150 ltr Normal water tank : Not less than 8 ltr online Cooling capacity : Not less than 150 ltr/hour	Each	8	2,70,000.00	₹ 21,60,000.00
39	ITC of 150 ltr purification capacity (Per hour) floor mounted type water cooler as per above item as per standard OEM specifications including connection etc.complete as required.	Each	8	3,000.00	₹ 24,000.00



Sl. No.	Description of Item	Unit	Qty	Basic Rate (Excluding GST)	Amount (Excluding GST)
	SH:-VI LT Panel				
40	Fabrication, SITC of PTTA MV Switch Board Essential Panel/Non-Essential made of 14 SWG CRCA Sheet Steel, dust tight, vermin proof, Totally enclosed, cubicle type, floor/wall mounting, free standing, extensible on both sides, suitable for indoor operation at 433 V, 3 Phase, 4 Wire, 50 Hz, AC System complete with all accessories, interconnection, connection, earthing, painting, etc., as required and comprising of the following: A) Two Nos. of 200 A, 50 KA, 4P MCCBs with Microprocessor Based Releases (L&T MTX 2.0/ Equivalent) for OC/SC/EF Protection and ROM as INCOMER with Resin Cast CT operated Digital Meter [EM 6400 of Conzerve/Equivalent], ON/OFF/TRIP Indication Lamps, Phase Indication Lamps and Mechnacial Castle Interlock (2 Lock + 1 Key) as required. B) Three Nos. of 100 A, 36 KA, 4P MCCBs with Thermal Magnetic Releases for Protection as Outgoing, with ON/OFF/TRIP Indication Lamps as required. C) Seven Nos. of 63 A, 36 KA, 4P MCCBs with Thermal Magnetic Releases for Protection as Outgoing, with ON/OFF/TRIP Indication Lamps as required. D) One Set of 400 Amps Al. Bus Bars with at Par Neutral BUS BARS as required. E) All accessories such as fuses, auxillary contactors, auxillary switches, etc. as required.	Job	3	3,15,000.00	₹ 9,45,000.00
	ALL AS ABOVE 1 (A) To 1 (E)				
41	Fabrication, SITC of PTTA MV Switch Board Essential Panel/Non-Essential made of 14 SWG CRCA Sheet Steel, dust tight, vermin proof, Totally enclosed, cubicle type, floor/wall mounting, free standing, extensible on both sides, suitable for indoor operation at 433 V, 3 Phase, 4 Wire, 50 Hz, AC System complete with all accessories, interconnection, connection, earthing, painting, etc., as required and comprising of the following: A) One No. of 200 A, 36 KA, 4P MCCBs with Microprocessor Based Release for OC/SC/EF Protection as INCOMER with Resin Cast CT operated Digital Meter [EM 6400 of Conzerve/Equivalent], ON/OFF/TRIP Indication Lamps and Phase Indication Lamps etc as required. B) Four Nos. of 63 A, 36 KA, 4P MCCBs with Thermal Magnetic Releases for Protection as Outgoing, with ON/OFF/TRIP Indication Lamps as required. C) Two Nos. of 63A, 10 KA, 4P MCB as Outgoings as required. D) One Set of 200 Amps Al. Bus Bars with at Par Neutral BUS BARS as required. E) All accessories such as fuses, auxillary contactors, auxillary switches, etc. as required.	Job	1	1,75,500.00	₹ 1,75,500.00
	ALL AS ABOVE 1 (A) To 1 (E)				
Total Excluding GST				₹ 95,99,875.00	

(Rupees Ninety Five Lakhs Ninety Nine Thousand Eight Hundred and Seventy Five Only)


A. MARIAPPAN
JGM (E-E)
AAI, Chennai Airport

Signature Not Verified

Digitally signed by Juhi Sharma
Date: 2024.08.06 11:55:38 IST
Location: eProcurement System for Central PSUs