



Ref: AAI/TUT/E-E/TUT-82/2021-22/473

दि:/Date: 02.12.2021

सेवा में /To

M/s. K.S Electricals,
2/424 Sivasakthi Nagar,
Airport Road, Perungudi,
Madurai-625 022.

**विषय /Sub: 'Construction of Police out - post building at Tuticorin Airport.
SH: Electrical Works'.**

Ref : Your e-tender (Financial bid-2021_AAI_88751_1) Opened on 21.10.2021

महोदय /Dear sir(s),

- 1) Your e-tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the item rates quoted by you totalling to **Rs.7,63,240.00 (Rupees Seven Lakhs Sixty Three Thousand Two Hundred and Forty Only)** plus applicable GST which is -7.31% below the estimated cost put to tender of Rs.8,23,420.00 (Excluding GST)
- 2) Asst. General Manager (Engg-Elect.), Airports Authority of India, Tuticorin Airport, Tuticorin – 628 103, shall be the Engineer-in-charge of the work. You are requested to attend the office of the Asst. General Manager (Engg-Elect.), AAI, Tuticorin Airport by **09.12.2021** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs. 100.00 (Rupees Hundred Only) and cost of the stamp paper shall be borne by you.
- 3) As per clause no. 1A on page no 16 of GCC 2017 of contract document. Please deposit Rs.76,324.00 (Rupees Seventy Six Thousand Three Hundred and Twenty 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 16 of GCC 2017 contract document.

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विमानपत्तन निदेशक का कार्यालय भारतीय विमानपत्तन प्राधिकरण, तूत्तिकोरिन हवाईअड्डा,
तूत्तिकोरिन-628103

O/o The Airport Director, Airports Authority of India, Tuticorin Airport, Tuticorin – 628103
दूरभाष/TEL: 0461-2271863 फ़ैक्स/FAX:0461-2271110 ई-मेल/E-mail: apd-tuticorin@aai.aero

वेबसाइट/Website: www.aai.aero



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- 4) 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 and Regulation) and Act 1986, construction workers (Regulation of employment and condition of service) Act 1996, Building and other construction workers welfare cess Act 1996 as specified in Clause-19 on Page No:-50 of GCC of tender and rules of Central and State Governments.
- 5) You are also directed to contact Jr. Executive/ Asst. Manager/ Manager (Engg-Elect), AAI, Tuticorin Airport, immediately who will arrange to hand over the site to you.
- 6) Please note that the time allowed for carrying out the work shall be **04 Months** and the same shall be reckoned from the 10th day after issue of this letter (i.e, 10.12.2021).
- 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.
- 9) This work order is allotted the number TUT-82 which shall be quoted by you for all future correspondence in connection with this work order.

Encl: Schedule of Quantities

भवदिय /Yours faithfully,

 02/12/2021

Asst. General Manager (Engg-Elect.),
For and on behalf of the Chairman,
Airports Authority of India
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
तूत्तिकोरिन एयरपोर्ट / Tuticorin Airport
तूत्तिकोरिन / Tuticorin-628 103

विमानपत्तन निदेशक का कार्यालय भारतीय विमानपत्तन प्राधिकरण, तूत्तिकोरिन हवाई अड्डा,
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O/o The Airport Director, Airports Authority of India, Tuticorin Airport, Tuticorin – 628103
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AIRPORTS AUTHORITY OF INDIA
TUTICORIN AIRPORT
TUTICORIN 628 103
Schedule of Quantities

Name of work: Construction of Police out - post building at Tuticorin Airport. SH: Electrical Works.

Sl.No.	DESCRIPTION	Qty	Unit	Rate	Amount
1	Supply of 18W LED, 5700-6500K, (4 ft.) with LED lamp & batten for LED tube made of extruded aluminium/ poly carbonate housing with integrated electronic driver suitable for operation on 220V, 50 Hz AC supply etc.with minimum 3 years OEM warranty as required.	51	Each	380.00	19380.00
2	Supply of 1200 mm sweep energy efficient, with double ball bearing, standard down rod and other standard accessories etc without regulator suitable for operation on 230 V 50 Hz AC supply etc complete as required.	18	Each	1800.00	32400.00
3	Supply of 300 mm sweep heavy duty exhaust fan with minimum rated speed of 900 rpm suitable for mounting on wall for operation on 220V 50 Hz AC.	9	Each	2600.00	23400.00
4	Supply of 25 W LED street light fixtures suitable to operate on 240V, 50Hz, AC Supply housed in pressure Die-Cast/Extruded Aluminium Alloy/ Standard alloy with toughened glass, IP 66 protection, individual LEDs with secondary optics for obtaining maximum beam spread etc.with minimum 5 years OEM warranty complete as required. The Fixtures shall have separate compartment for LEDs & electronic driver, operating voltage 140-270 V with minimum Surge Protection of minimum 4KV.	10	Each	1900.00	19000.00
5	Supply of 7W LED lamp of IP 20, electronic driver with surge protection of minimum 2 kV, power factor > 0.95, operating voltage of 140- 270 V.	17	Each	170.00	2890.00
6	Supplying of following sizes of 1.1 KV grade, XLPE insulated, Aluminium conductor armoured Power Cable conforming to IS 7098 Part-I 1985 with up to date amendments complete as required as per specifications. 3.5 core, 35 sq.mm.	400	Metre	170.00	68000.00
7	Supply of water proof PVC insulated PVC sheathed copper conductor flat cable of 3 Core x 4.00 sq. mm of 1.1KV grade suitable for laying along with GI pipe for inter connecting submersible pump etc., complete as required.	120	Metre	180.00	21600.00
8	Supply of 50 mm dia B class GI pipe.	80	Metre	290.00	23200.00
9	Supplying and fixing following way, three pole and neutral, MCB distribution board, of IP 43, double door type, 415 volts, on surface/ recess, complete with tinned copper busbars, neutral link, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc.as required (but without MCB/RCCB/Isolator). a) 8 way (8 + 24), Metal door, vertical type.	1	Job	4900.00	4900.00
10	Supplying and fixing 40 Amps FP MCB rating, 415 volts, 'C' curve, miniature circuit breaker in the existing MCB DB complete with connections, testing and commissioning etc. as required.	1	Job	2400.00	2400.00
11	Supplying and fixing 6 to 32 Amps SP MCB rating, 415 volts, 'C' curve, miniature circuit breaker in the existing MCB DB complete with connections, testing and commissioning etc. as required.	24	Job	280.00	6720.00
12	Installation, testing and commissioning of 4 ft. 1 x 18/20W Indoor type LED Batten complete as required.	51	Job	80.00	4080.00

Asst. Engineer
02/12/2021
Airports Authority of India
Tuticorin Airport / Tuticorin Airport
Tuticorin / Tuticorin-628 103

13	Installation, testing and commissioning of 1200 mm sweep ceiling fan, including wiring the down rods of standard length (up to 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	18	Job	80.00	1440.00
14	Supplying and fixing stepped type electronic fan regulator on the existing phenolic laminated sheet and switchbox including connections but excluding modular plate etc. as required.	18	Job	280.00	5040.00
15	Installation, testing and commissioning of 300 mm sweep heavy duty exhaust fan including providing opening, including making good the damage, connection, testing, commissioning etc. as required.	9	Job	1000.00	9000.00
16	Installation, testing and commissioning of 25 W LED street light fixtures including providing suitable G.I bracket of suitable size etc., complete as required.	10	Job	700.00	7000.00
17	Supplying and fixing of PVC box of 6 module on surface including providing suitable size of phenolic laminated sheet cover in front etc as required.	19	Job	220.00	4180.00
18	Supplying and fixing of PVC box of 12 module on surface including providing suitable size of phenolic laminated sheet cover in front etc as required.	12	Job	450.00	5400.00
19	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 piano type switch, phenolic laminated sheet, suitable PVC box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.(GROUP C)	64	point	700.00	44800.00
20	Wiring for circuit/submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required. 2 x 1.5 sq.mm + 1 x 1.5 sq.mm earth wire	230	Metre	130.00	29900.00
21	Wiring for circuit/submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required. 2 x 2.5 sq.mm + 1 x 2.5 sq.mm earth wire	180	Metre	160.00	28800.00
22	Wiring for circuit/submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required. 2 x 4 sq.mm + 1 x 4 sq.mm earth wire	120	Metre	230.00	27600.00
23	Wiring for circuit/submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required. 4 x 6 sq.mm + 2 x 6 sq.mm earth wire	5	Metre	420.00	2100.00
24	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required. 5/6 A switch	44	Job	45.00	1980.00
25	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required. 3 pin 5/6 A socket outlet	44	Job	70.00	3080.00
26	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required. 15/16 A switch	10	Job	140.00	1400.00


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27	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required. 3/6 pin 15/16 A socket outlet	10	Job	150.00	1500.00
28	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc. , complete as required. 63 mm OD and 51 mm ID	420	Metre	240.00	100800.00
29	Laying of one number armoured XLPE insulated and PVC sheathed power cable of 1.1 KV grade of following size in the existing RCC/ HDPE / HUME / METAL pipe as required. Upto 35 sq.mm	420	Metre	20.00	8400.00
30	Laying of one number armoured XLPE insulated and PVC sheathed power cable of 1.1 KV grade of following size on wall surface as required. Upto 35 sq.mm	30	Metre	40.00	1200.00
31	Supplying and making end termination with brass single 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 core x 35 sq.mm	3	Set	350.00	1050.00
32	SITC of Water dispensers of capacity 40 LPH (or) better with 2 no's Faucets for Normal & Cold water, SS body, suitable for operation on single phase, 230V, 50HZ AC power supply, with stainless steel tank, energy efficient compressor, condenser fan, heat transfer coil with aluminium fins, thermostat etc, provided with inbuilt RO purifier of capacity 25 LPH (or) better with minimum six stage purification including other accessories like auto flush, low pressure switch, automatic level control etc as required.	1	Job	55000.00	55000.00
33	SITC of 3.00 HP/2.2 KW multistage submersible motor pump set consisting of submersible water filled squirrel cage motor suitable for operation on 440V, 50Hz, 3 Phase AC supply with impellers, water lubricated bearings, tie-bars on studs bolts for connecting the pumps together suction casing, sleeve coupling to connect motor shaft to the pump shaft, installation, lowering of submersible pump along with GI pipe (departmentally supplied) of appropriate length as per site conditions with all including necessary couplings, NRV valve, flanges, reducers other accessories, laying of departmentally supplied 3 core 4 sq.mm flat cable, providing borewell cover etc., complete as required to give a minimum discharge of 20 LPM at a total head of 129 Meters or as per site conditions along with all accessories complete as required.	1	Job	42000.00	42000.00
34	SITC of DOL starter in CRCA enclosure suitable for 3.00 HP submersible pump with start stop button, Over Load relay, single phase preventer, dry run protector, Ammeter with selector switch, indication lamp for RYB and Motor ON along with interconnections, necessary termination, including all civil works etc., as required.	1	Job	6900.00	6900.00
35	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as per specifications.	4	Set	5800.00	23200.00
36	Providing and laying earth connections from earth electrode with 6 SWG dia G.I wire in 15 mm dia. G.I pipe from earth electrode as required.	16	Metre	150.00	2400.00
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.	420	Metre	30.00	12600.00

38	Supplying and fixing FP sheet steel enclosure on surface/ recess along with 63amps 415 volts "C" curve FP MCB complete with connections, testing and commissioning etc. as required.	1	Job	3500.00	3500.00
39	Provision for power supply of 7.5 KW from TANGEDCO including liasoning,energisation and necessary documentation,i.r.o power connection in the name of Airport Director Tuticorin, incidental expenses,i/c statutory charges,Security deposit etc.,of TANGEDCO spares, 3 phase energy meter as per recommendation / Standards of TANGEDCO, providing and fixing of LT 3 phase metering panel double door type, of 14 SWG confirming to IP 55 or higher, with rain cap, provision and fixing of 3 phase energy meter of TANGEDCO, provision and terminating of incoming & outgoing cables through suitable knockout opening, including making connections, earthing, suitable mounting or installation on concrete foundation as per site conditions etc. complete as required with following specifications. Incomer: 63 Amps, FP MCCB with thermomagnetic based trip units for O/L, S/C, on/off indication lamp for MCCB. - 1 no. Outgoings: 63 Amps, FP MCCB with thermomagnetic based trip units for O/L, S/C, on/off indication lamp for MCCB. - 2 nos.	1	Job	85000.00	85000.00
40	Provision of supply and installation of 1 KVA inverter for domestic application of MOSFET-PWM technology along with the 12V, 150 Ah Lead acid tubular battery with minimum 2 year replaceable Warranty suitable for the input supply of single phase, 230 V, 50 Hz and load factor of 0.6 and above, efficiency more than 70%, input voltage regulation range of 9%, along with protection against short circuit, over voltage and overload protection for inverter along with necessary wiring at required locations, charging point, proper earthing and proper cable connections, suitable mounting arrangement etc. complete as required .	1	Job	20000.00	20000.00
				Total	763240.00
				Grand Total Rs.	7,63,240.00

(Rupees Seven Lakhs Sixty Three Thousand Two Hundred and Forty Only [w/o GST])


 Asst. General Manager (Engg-Elec.)
 AAI/ Tuticorin Airport
 विजू. के. ठा. (इंजीनियरिंग-विद्युत)
 सहायक महाप्रबंधक (इंजीनियरिंग-विद्युत)
 Assistant General Manager (Engg-Elect)
 भारतीय विमानपत्तन प्राधिकरण
 Airports Authority of India
 तूतीकोरिन एयरपोर्ट / Tuticorin Airport
 तूतीकोरिन / Tuticorin-628 103

Signature Not Verified

Digitally signed by BIJU KUNDUKULANGARA GEORGE
 Date: 2021.12.22 18:00:42 IST
 Location: eProcurement System for Central PSUs

