



Ref: AAI/TUT/E-E/TUT-61B/2022-23/SH-II/623

दि:/Date:11.08.2022

सेवा में /To

M/s. Fairway Marine Services,
3/118G-1, Shanmugapuram,
Ayyanadaipu, Korampallam (P.O),
Tuticorin-628 004.

**विषय /Sub: "Provision of Solar Powered Obstruction Light atop of
Vallanadu hill at Tuticorin Airport.
SH-II: Design, Supply, Installation, Testing and
Commissioning of Aviation Obstacle Lights."**

Ref: Your e-tender (Financial bid-2022_AAI_118514_1) Opened on 08.07.2022.

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.3,20,000.00 (Rupees Three Lakhs Twenty Thousand Only)** plus applicable GST which is 4.13% below the estimated cost put to tender of Rs.3,33,801.00 (Excluding GST).
- 2) Jt. 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 Jt. General Manager (Engg-Elect.), AAI, Tuticorin Airport by **17.08.2022** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs. 100.00 (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.32,000.00 (Rupees Thirty Two Thousand 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, तूतिकोरिन हवाई अड्डा,
तूतिकोरिन-628103

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

वेबसाइट/Website: www.aai.aero



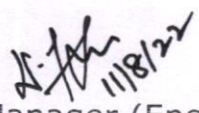
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- 4) You are requested to comply with the provisions of Contract Labour (Regulation and abolition) Act of 1970 and Contract Labour (Regulation and Abolition) Central Rules 1971, Child Labour (Prohibition and Regulation) and Act 1986, construction workers (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/ Asst. General 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 **03 Months** and the same shall be reckoned from the 10th day after issue of this letter (i.e, 20.08.2022).
- 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.
- 9) This work order is allotted the number **TUT-61B** which shall be quoted by you for all future correspondence in connection with this work order.

Encl: Schedule of Quantities

भवदिय /Yours faithfully,




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

विमानपत्तन निदेशक का कार्यालय भारतीय विमानपत्तन प्राधिकरण, तूत्तिकोरिन हवाई अड्डा,
तूत्तिकोरिन-628103

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: Name of work: Provision of Solar Powered Obstruction Light atop of Vallanadu hill at Tuticorin Airport.

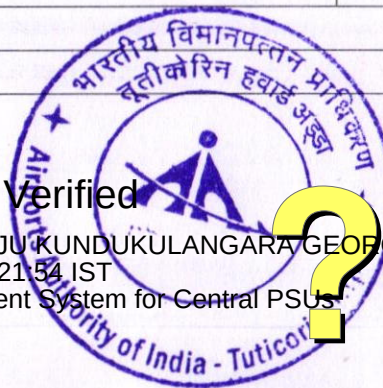
SH-II: Design, Supply, Installation, Testing and Commissioning of Aviation Obstacle Lights.

Sl.No.	Description	Qty	Unit	Rate	Amount
1	Design, Supply, Installation, Testing and Commissioning of High power LED cluster module medium intensity Aviation Obstacle Lights Type 'B' conforming to ICAO Annex-14, Chapter 6, having light intensity of 2000 Cd $\pm$ 25% during Night, Flash rate (20-60 fpm), Colour - Red along with Control panel for operating the above light having following features :- a) Solar charge controller, with MPPT control, indicators and suitable battery management system. b) Automatic selection of Day / Twilight / Night mode. c) Provision for GSM based remote monitoring. d) Solar Photovoltaic module, of suitable voltage and wattage peak necessary for designed battery capacity and 3 days autonomy including necessary mounting arrangement, provision for adjusting the tilt angle of the panels. - 1 panels e) Maintenance free sealed VRLA/ Lithium ion battery of suitable capacity for ensuring minimum 3 days autonomy operation and rating. f) Battery Housing of weatherproof and corrosion proof material suitable for mounting on the pole at height of 1 mtr above the ground using SS bolts. g) Connection & interconnecting wiring using FR PVC insulated and sheathed copper cables of 2 core 2.5 sq.mm. h) Suitable mounting arrangements for Aviation Obstacle Lights & solar Modules suitable as per item no.2 i) Solar and LED controller for the LED Aviation Obstacle Light Flash head assembly j) Flash head control unit Including transportation of all materials including light fixture, panels, battery, tools any other materials required at site for carrying out the work, from the bottom of the Vallanadu hill to the top of the hill located at a height of approx. 320 meter, by traversing a distance of not less than 3 km by foot on non-motorable rocky road.	1	Job	150000.00	150000.00
2	Supply of High power LED cluster module medium intensity Aviation Obstacle Lights Type 'B' conforming to ICAO Annex-14, Chapter 6, having light intensity of 2000 Cd $\pm$ 25% during Night, Flash rate (20-60 fpm), Colour - Red suitable for the item No.1 as spare.	1	Set	130000.00	130000.00
3	Supply of Solar charge controller, LED driver and flasher unit module for the Aviation Obstacle Lights spares suitable for the solar powered Aviation Obstruction Lighting system as specified in the item no.1.	1	Set	40000.00	40000.00
				Total	320000.00
				Grand Total Rs.	3,20,000.00

(Rupees Three Lakhs Twenty Thousand Only [w/o GST])

Signature Not Verified

Digitally signed by BIJU KUNDUKULANGARAGEORGE
Date: 2022.08.12 12:21:54 IST
Location: eProcurement System for Central PSUs



Jt. General Manager (Engg-Elect.)
AAI/ Tuticorin Airport.