

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

Work order

O/o The Asst. General Manager (E-E),
Airports Authority of India
Tuticorin Airport,
Tuticorin – 628 103

No : AAI/TUT/E-E/TUT-115/ALCMS/2024-25/1010

Dated : 10.02.2025

To,
M/s. Nasu Systems,
A-503 Amrat Society, J.S.Road,
Dahisar West, Mumbai-400 068.

Sub : Development of Tuticorin Airport: Extension of Runway with blast pad, RESA, taxiway, Apron, GSE Area, Isolation Bay, New Domestic Terminal Building and Miscellaneous work

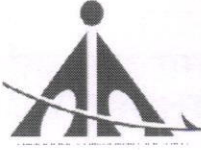
SH: Providing Airfield lighting control and monitoring system (ALCMS) at new ATC cum technical building at Tuticorin Airport."

Ref: Your e-tender (Tender ID : 2024_AAI_213734_1) opened on 15.01.2025.

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. 35,70,459.30 (Rupees Thirty five Lakh Seventy Thousand Four Hundred and Fifty Nine Only)** plus applicable GST which is 49.44% below the justified cost i.e. Rs. 70,63,125.00 (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 Asst. General Manager (Engg-Elect.), AAI, Tuticorin Airport by **17.02.2025** 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 One Hundred Only) and cost of the stamp paper shall be borne by you.
- 3) Please deposit Rs.2,86,405.00 (Rupees Two lakh Eighty six thousand Four Hundred and Five 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.1A at Page No.16 of GCC 2017 contract document.

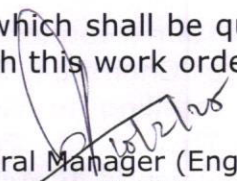
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- 4) You are requested to comply with the provisions of Contract Labour (Regulation and abolition) Act of 1970 and Contract Labour (Regulation and Abolition) Central Rules 1971, Child Labour (Prohibition and Regulation) and Act 1986, Construction Workers (Regulation of employment and condition of service) Act 1996, Building and other construction workers welfare cess Act 1996 as specified in Clause No.19 on Page No.50 of GCC of tender and rules of Central and State Governments.
- 5) You are also directed to contact 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 **02 Months** and the same shall be reckoned from date of issue of this letter.
- 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-115** which shall be quoted by you for all future correspondence in connection with this work order.


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

Encl.: 1) Schedule of Quantity

N.O.O
Copy to:
INTERNAL

1. General Manager(Engg),AAI, Tuticorin Airport
2. The Airport Director, AAI, Tuticorin Airport
3. Jt.General Manager (E-E), AAI, Tuticorin Airport
4. Dy.General Manager (E-Civil), AAI, Tuticorin Airport
5. Jr.Executive (E-E), AAI,Tuticorin Airport
6. Agreement
7. Office copy



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EXTERNAL

8. The Jt. General Manager (Vigilance), AAI, Southern Region, RHQ Chennai.
9. The Asst. General Manager (F&A), AAI, Southern Region, RHQ SR- FC
accorded vide Note No.7 on 07.02.2025 through e-file no.AAI/TUT/EE/2023-
24/ALCMS.
10. Labour Enforcement Officer, Extension Port – Zone "B" South Beach Road
Opp. Asst. Commisioner of Custom office, Tuticorin – 628 001.

sdf

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

Schedule of Quantity					
NAME OF WORK: Development of Tuticorin Airport: Extension of Runway with blast pad, RESA, taxiway, Apron, GSE Area, Isolation Bay, New Domestic Terminal Building and Miscellaneous work. SH: Providing Airfield Lighting Control and Monitoring System (ALCMS) at new ATC cum Technical Building at Tuticorin Airport.					
Tender ID - 2024_AAI_213734_1					
M/S Nasu Systems					
S.No	Item Description	Qty	Units	Quoted Rate	Amount
1	SH I SITC of ALCMS Design, supply, installation, testing & commissioning of Airfield Lighting Control & Monitoring System(ALCMS),HMI, Type 'L 890 BB' to the requirements of FAA Advisory Circular No. AC 150/5345 - 56B(Current edition) and additional circuits/mechanisms/interfaces for control & monitoring of constant current regulators (CCRs) & fixed circuits such as Landing - H, Wind cone, and control of flood light towers & isolation bay flood light & beacon from tower to make them compatible with ALCMS, data & power cabling, earthing etc., including spare PLC and I/O modules, all hardware and software, licenses & other items as required for successful operation of the system in line with the scope of work, details of equipments, equipments specification, performance criteria etc., complete as required. Two Vault processors shall be provided both running in parallel for redundancy in operation,earthing and cable termination provision of SPD, Media converter etc., complete as required.	1	Job	2000000.00	2000000
	Total of SH I				2000000
	SH II Supply and Laying of OFC cable				
2	Supply of Single mode 6 core, armoured Optic Fibre Cable (OFC) conforming to ITU-T G.652 and IEC- 60794 with up to date amendments, etc., complete as required.	1600	Mtr	75.00	120000

3	Laying of Single mode 6 core, armoured Optic Fibre Cable (OFC) conforming to ITU-T G.652 and IEC- 60794 with up to date amendments, etc., complete as required in existing pipe.	1350	Mtr	20.00	27000
4	Laying of Single mode 6 core, armoured Optic Fibre Cable (OFC) conforming to ITU-T G.652 and IEC- 60794 with up to date amendments, etc., inside the trenches/ duct/ surface including providing and laying of medium class PVC conduit with mounting clamps etc., complete as required.	250	Mtr	80.00	20000
5	Supplying and laying of 40 mm size PN 6, PE 63 HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 4984 complete with fitting and cutting, jointing etc.in the direct in ground (75 cm below ground level) including excavation and refilling the trench complete as required.	300	Mtr	280.00	84000
6	Supplying and laying of 40mm size PN6,PE 63 HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 4984 complete with fitting and cutting, jointing etc. in the existing trench/hume pipe, complete as required.	1350	Mtr	110.00	148500
7	Supply of multi-core armoured cable with solid copper conductor cable, XLPE insulated, PVC inner sheathed, armoured of GI steel strip of 1.1 kV grade confirming to IS: 7098 (Pt-1) 24 core x 1.5 sq.mm	700	Mtr	520.00	364000
8	Supply of multi-core armoured cable with solid copper conductor cable, XLPE insulated, PVC inner sheathed, armoured of GI steel strip of 1.1 kV grade confirming to IS: 7098 (Pt-1) 10core x 1.5 sq.mm	500	Mtr	208.00	104000
9	Laying of one number PVC insulated and PVC sheathed / XLPE control cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL/HDPE pipe as required. Up to 35 sq.mm	550	Mtr	50.00	27500

10	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1KV grade of following size in the existing masonry open duct as required. Up to 35 sq.mm	500	Mtr	40.00	20000
11	Providing and laying of 150mm dia B class G.I pipe below 0.75 mtr, across road including cutting bituminous road and excavation of soil ,refilling with concrete to the original finish etc. complete as required.	24	Mtr	2400.00	57600
12	Supplying and making end termination with brass compression gland copper lugs for following size of PVC insulated and PVC sheathed / XLPE copper conductor cable of 1.1kv grade as required. 24core x 1.5 sq.mm (28mm)	5	Job	500.00	2500
13	Supplying and making end termination with brass compression gland copper lugs for following size of PVC insulated and PVC sheathed / XLPE copper conductor cable of 1.1kv grade as required. 10core x 1.5 sq.mm (25mm)	50	Job	150.00	7500
14	Termination of Single mode 6 core, armoured optic fibre cable (OFC) with suitable accessories pigtail and other accessories complete as required.	4	Job	3000.00	12000
	Total of SH II				994600
	Total of (SH I&SH II)				2994600

	SH III SPARES				
15	Supply of essential spares for the ALCMS Terminal base of PLC for I/O module.	1	Each	50.00	50
16	Expansion unit for connecting I/O module.	1	Each	50.00	50
17	Supply of network adopter power supply	1	Each	1500.00	1500
18	Supply of UPS battery, 65Ah, 12VDC	1	Each	6000.00	6000
19	Supply of ALCMS Interface Module for CCR	1	Each	50.00	50
20	Supply of ALCMS Interface Module for fixed circuit.	1	Each	3000.00	3000
21	Supply of Power Supply for vault processor	1	Each	1500.00	1500
	Total of SH III				12150
	Total of (SH I to SH III)				3006750
	SH IV CMC ALL INCLUSIVE COMPREHENSIVE MAINTENANCE CONTRACT for complete ALCMS				
22	CMC (Comprehensive Maintenance Contract) for 5 years after ONE year DLP (Defect Liability Period) with year wise breakup for the entire installation. Year 1 - (5 % of SITC cost including freight, insurance and transportation of SH-I)	1	Job	100000.00	100000

23	Year 2 - (Yearly 6 % cumulative enhancement on first year cost shall be applicable for the second year.)	1	Job	106000.00	106000
24	Year 3 - (Yearly 6% cumulative enhancement on second year cost shall be applicable for the third year.)	1	Job	112360.00	112360
25	Year 4 - (Yearly 6 % cumulative enhancement on third year cost shall be applicable for the fourth year.)	1	Job	119101.60	119101.6
26	Year 5 - (Yearly 6 % cumulative enhancement on fourth year cost shall be applicable for the fifth year.)	1	Job	126247.70	126247.7
				Total (CMC)	563709.3
				Total (SITC+ CMC) (excluding GST)	3570459.3

SayRs. 35,70,459

(Rupees Thirty Five Thousand Seventy lakh Four Hundred and Fifty Nine Only)

10/12/25
Asst. Gen. Manager(E-E)
AAI, Tuticorin Airport