



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA
KADAPA AIRPORT, KADAPA

No: AAI/KDP/CNS/2022-7

दिनांक: 02.03.2022

To

Ground ECA3G Private Limited
C-74, First Floor, DDA Sheds,
OKHLA Industrial Area,
Phase-1, New Delhi-110020
Fax: 011 49029061
Mobile: 9810050117
Email: sales@groundecag3.com

Sub: Work order for "SITC of Comprehensive Integrated Surge Protection and Bonding of DVOR and all CNS equipments" at Kadapa Airport

Reference:

1. E-Tender ID: 2022_AAI_105390_1 dated 11.02.2022
2. Your Bid No:385886 opened on 19/02/2022 and Financial Bid opened on 22/02/2022.

महोदय/महोदया,

Reference is made to the above-mentioned correspondence and your offer (technical, financial bids) submitted against above mentioned E-Tender, your offer for "SITC for Integrated Surge Protection and bonding of DVOR and all CNS equipments" at Kadapa Airport" as per the BOQ & Financial details given in Annexure – VII is hereby accepted by the Competent Authority on behalf of The Chairman, AAI.

A. PRICE:

1. The work shall be carried out at a Total Cost of Rs. 1292240.00 (Rupees twelve Lakhs ninety-two Thousand two hundred and forty only) Exclusive of GST as per the Terms and Conditions mentioned in the NIT document and as per your Price Bid.
2. GST shall be paid to supplier against a valid tax invoice as per terms and condition of the contract.
3. Unconditional Acceptance of work order in your Company letter head/Acceptance of work order shall be submitted within 03 (three) working days through e- mail/fax/courier/by authorized representative, failing which it should be construed that you are not interested in the offer and hence not accepted the letter of intent unconditionally.

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4. The contract agreement as per attached format in NIT shall be executed within 7 days from the date of acceptance of this letter, on a non-judicial stamp paper of value Rs. 100/- (Rupees One Hundred Only).

B. Time/ Delivery & Installation:

"SITC" shall be completed **within 15 days** from the date of acceptance of work order.

C. Liquidated Damages (L.D.):

In case of delay in completion of the contract, liquidated damages (L.D.) shall be levied @ 12% p.a. of the full value of uncompleted portion of work per week (part of week to be treated as one week) subject to a maximum of 10% of total contract value. If the uncompleted work, restricts the operation of complete system then L.D. shall be applicable to total value of contract with approval of Competent Authority.

D. Payment to the supplier shall be made on submission of the following documents in ORIGINAL:

- a) Bill/Invoice + 2 copies, Delivery Challan.
- b) Satisfactory completion certificate of SITC by the CNS-In-Charge, AAI, Rajkot Airport.
- c) Guarantee/Warranty card for the hardware as applicable.
- d) Details in respect of your firm required for RTGS as per proforma
- e) Submission of Preventive/corrective maintenance schedule.

E. Guarantee/Warranty:

All goods or material shall be supplied strictly in accordance with the specifications.

All materials furnished by the successful bidder pursuant to the Order (irrespective of whether engineering/design or other information has been furnished, reviewed or approved by AAI) are required to be guaranteed to be of the best quality of their respective kinds (unless otherwise specifically authorized in writing by AAI) and shall be free from faulty design to the extent such design is not furnished by AAI. The goods/material used by the successful bidder and its workmanship should be of proper quality so as to fulfill in all respects, the operating conditions and other requirements specified in the order.

If any trouble or defect originating from the design, materials, workmanship or operating characteristic of any materials arise at any time prior to 12 months after commissioning and the contractor notified thereof, the contractor at his own expense (including freight, duty and customs for items sent for repair) and at no cost to AAI, as promptly as possible make such alterations, repairs and replacements at the site as may be necessary to permit facilitate the functioning of the equipment in accordance with the specifications.



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The warranty period of repaired or replaced goods shall be extended for a period equal to the turnaround time (out of service period).

In the event that the materials supplied do not meet the specifications and/or are not in accordance with the drawings, data sheets and rectification as required at site, AAI shall inform the bidder giving full details of deficiencies. The Bidder shall, at his own expense, meet and agree with the representatives of AAI the action required to correct the deficiencies and shall attend to the deficiencies at his own expense. Replacement under warranty clause shall be made by the supplier free of all charges at site including freight, insurance and other incidental charges. AAI reserves the right to en-cash complete value of Performance Bank guarantee if the performance of equipment/system is not satisfactorily without assigning any reason.

F. Operational Maintenance during Warranty: The contractor shall replace any parts, including the supplied software found defective during warranty period without any charges whatsoever to AAI. During warranty period, the contractor shall provide free replacement of any defective spares of the equipment supplied against this work.

G. Packing and Marking:

All packing should be strong enough to withstand rough handling during loading, unloading and transporting of the packages.

All delicate surfaces of equipment/goods should be carefully protected and painted with protective paint/compound and wrapped to prevent rusting and damage.

All protrusions and threaded fittings shall be suitably protected and openings shall be blocked by covers.

Wherever required equipment material shall be packed in polyethylene bags and silica gel or similar dehydrating compound shall be put inside the bags to protect the equipment. Pipes/tubes made of stainless steel; copper etc. shall be packed in wooden crates irrespective of their sizes. The supplier shall be held liable for all damages or breakage of the goods attributable to defective or insufficient packing as well as for corrosion due to insufficient protection.

H. Substitution & Wrong Supplies:

Unauthorized substitution or materials delivered not complying with the description or quality or supplied in excess quantity or rejected goods shall be taken back by the Successful Bidder at his cost and risk.

Bidder shall not substitute any item at the time of delivery against the item mentioned in work order unless the item is no longer available in the market due to obsolescence or any other reason and OEM issues the certificate to this effect. AAI shall accept the higher version of item of same make and better Technical specifications if it is approved by CNS In Charge, AAI, Kadapa Airport.

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I. Insurance, Freight:

All items shall be fully insured by the contractor. The cost of Insurance and Freight shall be paid by the contractor. The documents in support of insurance policy shall be submitted to AAI.

J. TAXES, PERMITS AND LICENCES:

In case supplies are delayed for reasons attributed to the suppliers, the increase rate of statutory taxes shall be borne by the supplier. However, any benefit accruing due to decrease in statutory taxes shall be passed on to AAI.

K. Miscellaneous:

In addition to the above any other information / description, the bidders may wish to provide, like the features / performance figures specified/indicated should be with supporting documents / calculations. AAI reserves the right to place repeat order, within validity of contract period i.e. expiry of warranty as mentioned in contract, not exceeding 25% the quantity of the original order.

L. Arbitration and Laws:

Except where otherwise provided for in the contract, all questions and disputes relating to the meeting of the specifications, designs, drawings, and instructions herein before mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works, or the execution or failure to execute the same whether arising during the progress of the work or after the completion or abandonment there of shall be **settled within thirty (30) days** (or such longer period as may be mutually agreed upon) from the date that either party notifies in writing that such dispute or disagreement exists. Provided that any dispute that remains unresolved shall be settled under the Rules of Indian Arbitration and Conciliation Act, 1996, The venue of Arbitration shall be **New Delhi, India**. The arbitration award shall be final and binding upon the parties and judgment may be entered thereon, upon the application of either party, by any court having jurisdiction. Indian laws shall govern this contract.

M. Performance Bank Guarantee:

The contractor within **07 calendar days** from the date of issue of this work order shall submit the unqualified performance guarantee of **10 % of the total work order** (including GST) value to AAI in the form of an irrevocable and unconditional bank guarantee in Indian Rupees from a Nationalized/scheduled bank in India, as per proforma (Annexure-VII) of NIET document.

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The Performance Guarantee shall be valid **till 6 months** beyond the warranty period (1 year 6 months) as per NIT or shall remain valid as per provisional extension granted by AAI. If the agency fails to extend the validity of the Performance Guarantee, the same shall be encashed by AAI with or without notice. The guarantee amount shall be payable to AAI without any condition whatsoever and the guarantee shall be irrevocable.

The performance guarantee shall be deemed to govern the following guarantees from the contractor, in addition to the other provisions of the guarantee.

The successful and satisfactory operation of the equipment supplied in accordance with the specifications and other relevant documents.

The equipment supplied shall be free from all defects of design, material and workmanship and upon written notice from AAI, the successful bidder shall fully remedy, free of expenses to AAI, all such defects as developed under the normal use of the said equipment within the period of guarantee/warranty.

- N. All the materials shall be supplied and SITC of the work shall be carried out strictly as per NIET document.
- O. **Warranty: 01 year & Life expectancy: minimum 10 (Ten) years.**
- P. All other Terms and Conditions are as per the **NIT E-Tender ID: 2022_AAI_105390_1 dated 11.02.2022**
- Q. Kindly acknowledge the receipt in acceptance of this order by signing at each page on a copy of this work order and return to AAI.
- R. The performance guarantee is intended to secure the performance of the entire equipment. However, it is not to be construed as limiting the damages stipulated in any other clause.
- S. **The performance guarantee will be returned to the contractor at the end of the period of liability without interest.**

AGM (ATSEP)
CNS In-Charge
For Airport Director
AAI, Kadapa Airport.

Copy to: 1. APD, Kadapa
2. GM (Fin-SR)

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Ref.No:

Dated:

UNCONDITIONAL ACCEPTANCE LETTER

TO

The CNS In-charge,
O/o Airport Director,
Airports Authority of India,
Kadapa Airport, Kadapa,
Andhra Pradesh-516003.

Sub: - Acceptance of Terms and conditions of your award order No. AAI/KDP/CNS/----- dated ---

Name of work: - Award of work order for -----
-at Kadapa Airport-reg.

Dear Sir,

1. We hereby certify that we have read the entire terms and conditions of the document made available to us and we shall abide by the conditions/clauses contained therein.
2. We hereby unconditionally accept the conditions of AAI's document in its entirety for the above works.

Yours faithfully

(Authorized Signature of the firm with rubber stamp)

Dated:
Kadapa.

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(To be filled by the Vendor)

Name of the Supplier / Vendor :

PAN No. :

Name of the Bank :

Name of the Branch :

Complete address of the Bank :

Account Number of Beneficiary :

Type of Account :

Core Banking Account No. in full :

IFSC reference of the Bank :

Goods and Service Tax Registration No. :

AUTHORIZED SIGNATURE :

NAME OF THE SIGNATORY :

NAME & ADDRESS OF THE SUPPLIER:

OFFICE SEAL :

DATE :

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Annexure – VI

UNPRICED BILL OF MATERIAL WITH MAKE & MODEL TO BE SUBMITTED
BY THE BIDDER ALONG WITH TECHNICAL BID (ENVELOPE- A)

TENDER NO.: AAI/KDP/CNS/SPD/2022----- (E-Tender ID.: XXXXXXXX)

NAME OF WORK: SITC of comprehensive integrated surge protection and bonding of DVOR and all CNS equipments.

SL. NO	DESCRIPTION OF ITEM	Total quantity	Make & Model
1	Primary Surge Protection: (I/P) Supply, Installation, testing and commissioning of 100 kA, 3 phase Surge Diverter with neutral protection using single block metal oxide varistor (BMOV) in pre-wired IP55 grade metal enclosure and shall be provided on the mains power entry point in compliance with IEC 61643/IEEE C62.41/ASNZ 1768/ANSI Standards complete with sensing circuit, potential free contacts, necessary indications and real time monitoring of voltages. To be connected in the existing panels in parallel as per specification for the following locations 1. Technical Building 2. NDB	02 Nos	
2	SECONDERY PROTECTION: SITC of 40 Amps Multistage 3 phase Series Power Filter CLASS 2 with neutral protection with MOV 40 KA, 8/20 micro Sec. for neutral to earth & 25 KA, 8/20 micro Sec. for Line to neutral rating in IP55 grade Powder coated metal enclosure with sensing circuit, necessary indications and real time monitoring of voltages and current, suitable rating service / bypass changeover switch at the UPS output including all accessories such as suitable rating inter connecting copper cables, MCBs, end terminations, fixing arrangement of the power filter etc complete as required as per specification for the following locations. 1. DVOR/DME 2. Equipment Room	2 Nos	
3	SECONDERY PROTECTION: SITC of 32 Amps Multistage 1 phase Series Power Filter CLASS 2 with neutral protection with MOV 40 KA, 8/20 micro Sec. for neutral to earth & 25 KA, 8/20 micro Sec. for Line to neutral rating in IP55 grade Powder coated metal enclosure with sensing circuit, necessary indications and real time monitoring of voltages and current , suitable rating service / bypass changeover switch at the UPS output including all accessories such as suitable	02 Nos	

कडपा हवाई अड्डा/KADAPA AIRPORT

NIT: SITC of comprehensive integrated surge protection and bonding of DVOR and all CNS equipments.

आर. सुब्बुलक्ष्मी / R. Subbu Lakshmi
प्रभारी (सी.एन.एस/सूचना प्रौद्योगिकी)/CNS/IT-Incharge
ए.ए. आई, कडपा हवाई अड्डा/AAI, Kadapa Airport



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	rating inter connecting copper cables, MCBs, end terminations, fixing arrangement of the power filter etc complete as required as per specification for the following locations. 1. ADSB 2. NDB		
4	EQUIPMENT LEVEL (O/P) PROTECTION:- Supply of 120KA Surge protection device against the protection from Noises, ESD, EPR and abnormal electrical characteristics which enter from power and other service lines and ensuring clear bonding potential (earth to Neutral voltage) less than 1.0V to be connected in parallel to the circuit, Confirming to CE, tested and certified as per latest certification (IEC-61643-1, IEC-61000-4-5, IEC-61000-6-1, IEC61000-6-3) in Pre-wired metal enclosure with real time monitoring of voltages and pulverulent body painting including all accessories as per the specifications for the following locations. 1. DVOR / DME 2. Equipment room 3. ADSB 4. NDB	04 Nos	
5	Supply of Equipotential bonding and transient earth bonding (TEB)with following specification Operating voltage : up to 230V DC Firing voltage : 230V DC Impulse firing voltage : <600V at 1 Kv / us Surge rating : 20KA 8/20us or better Enclosure Rating : IP68 explosion proof enclosure with proper entry glands. For interconnecting all earthing systems including previously available earthing systems and all other external metal structures. An equi-potential earth bus bar (EEB) to be provide and the TEB & EEB shall be enclosed in a whether proof enclosure with proper entry glands and termination etc. as required as per the specifications for the following locations. 1. DVOR / DME 2. Technical Building 3. NDB	03 Nos	
6	Supply and laying of 35 sq mm PVC insulated copper cable for bonding with accessories	200 meters	
7	Supply of 16 sq mm PVC insulated copper cable for bonding with accessories	100 meters	
8	Supply of 10 sq mm PVC insulated copper cable for bonding with accessories	150 meters	
9	Supply of suitable 40mm dia GI Pipe for laying 35sq mm cable in surface	60 meters	
10	Installation, Testing and Commissioning Charges with accessories and layout plan of units.	01 Job	

Dated:

कडपा हवाई अड्डा/KADAPA AIRPORT

NIT: SITC of comprehensive integrated surge protection and bonding of DVOR and all CNS equipments.

आर. सुब्बुलक्ष्मी / R. Subbu Lakshmi
प्रभारी (सी.एन.एस/सूचना प्रौद्योगिकी)/CNS/IT-Incharge
ए.ए. आई, कडपा हवाई अड्डा/AAI, Kadapa Airport

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No: AAI/KDP/CNS/2022-7(a)

दिनांक: 02.03.2022
Annexure-XII

LETTER OF INTENT (LOI)

To,

Ground ECA3G Private Limited
C-74, First Floor, DDA Sheds,
OKHLA Industrial Area,
Phase-1, New Delhi-110020
Fax: 011 49029061
Mobile: 9810050117
Email: sales@groundecag3.com

Reference: E-Tender ID: 2022_AAI_105390_1 dated 11.02.2022 for "SITC of Comprehensive Integrated Surge Protection and Bonding of DVOR and all CNS equipments" at Kadapa Airport.

Dear Sir,

Airports Authority of India invited offers through Tender No: E-Tender ID: 2022_AAI_105390_1 _ Dtd 11.02.2022 for "SITC of Comprehensive Integrated Surge Protection and Bonding of DVOR and all CNS equipments" at Kadapa Airport. M/s Ground ECA3G Private Limited has offered vide E-bid Quotation No. 385886 and AAI has accepted its offer at a total cost of Rs. 1292240.00 (Rupees twelve Lakhs ninety-two Thousand two hundred and forty only) Exclusive of GST.

Now, therefore, you are requested to send AAI unconditional acceptance of Letter of Intent in prescribed Proforma enclosed within Three working days through fax / courier / your authorized representatives or by any means as deemed appropriate, failing which it shall be construed that you are not interested in the offer and hence not accepted the above subject Letter of Intent unconditionally.

Yours sincerely,

CNS In-Charge
Airports Authority of India,
Kadapa Airport,
Kadapa 516003, Andhra Pradesh

कडपा हवाई अड्डा/KADAPA AIRPORT

NIT: SITC of comprehensive integrated surge protection and bonding of DVOR and all CNS equipments.

Signature Not Verified

Digitally signed by R SUBBULAKSHMI
Date: 2022.06.01 14:36:31 IST
Location: eProcurement System for
Central PSUs