



भारतीय विमानपत्तन प्राधिकरण Airports Authority of India

O/o General Manager (CNS) / Chennai, ATS Complex, Chennai Airport,
Meenambakkam, Chennai 600 027.

Ref: AAI/CH/CNS Stores/2022-23

Date: 26/04/2022

NOTICE INVITING QUOTATION

Sub: Notice Inviting Quotations (NIQ) for the **“Supply of Arduino UNO board, Arduino Ethernet Shield, DHT 11 Sensor, 12V/1A DC Adapter, 230 VAC RELAY each of Quantity 13 for Airports Authority of India, Chennai”**.

Sealed quotations are hereby invited for the **“Supply of Arduino UNO board, Arduino Ethernet Shield, DHT 11 Sensor, 12V/1A DC Adapter, 230 VAC RELAY each of Quantity 13 for Airports Authority of India, Chennai”**, by GM (CNS-Chennai), ATS Complex, AAI, Chennai Airport, Chennai.

Last date for submission of duly filled and signed sealed quotations with Envelope 'A' - Technical Bid & Envelope 'B' - Financial Bid enclosed in a Master Envelope super scribing **“Quotations for the “Supply of Arduino UNO board, Arduino Ethernet Shield, DHT 11 Sensor, 12V/1A DC Adapter, 230 VAC RELAY each of Quantity 13 for Airports Authority of India, Chennai”, 600027”** is **09/05/2022** upto **12.30 Hrs** and the quotations shall be opened on **09/05/2022** at **1500 Hrs**.

Visit our website www.aai.aero for the same.

Sd/-
Dy. General Manager (CNS-Stores),
Airports Authority of India,
Opp. old Airport, Bank of Baroda upstairs,
Meenambakkam, Chennai-600027.
for General Manager (CNS-Chennai)
Ph.: 044-22310159, Mobile: 9444675638



भारतीय विमानपत्तन प्राधिकरण Airports Authority of India

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Notice Inviting Quotation

Sub: - Notice Inviting Quotations (NIQ) for the “Supply of Arduino UNO board, Arduino Ethernet Shield, DHT 11 Sensor, 12V/1A DC Adapter, 230 VAC RELAY each of Quantity 13 for Airports Authority of India, Chennai”

Sealed Quotations in the prescribed format of TWO bid system consisting of Technical and Financial Bid are invited by GM(CNS-Chennai) AAI, Chennai Airport, Chennai on behalf of The Chairman, AAI for the **“Supply of Arduino UNO board, Arduino Ethernet Shield, DHT 11 Sensor, 12V/1A DC Adapter, 230 VAC RELAY each of Quantity 13 for Airports Authority of India, Chennai”**.

Schedule of Important Activities:

S. No	Activity	Date	Time in IST	Remarks
1.	Last date and Time of receipt of quotations	09/05/2022	12.30 Hrs	
2.	Date and Time of opening quotations	09/05/2022	15 00 Hrs	<i>Financial Bid shall be opened after scrutiny of the documents submitted in Technical Bid. Quotations qualified in the Technical Bid only will be considered for the Financial Bid.</i>

Terms & Conditions

The quotation should be submitted in two parts, Envelope-A (Technical Bid) and Envelope-B (Financial Bid), each envelope super-scribed **“Technical Bid”** and **“Financial Bid”** respectively. **BOTH THE ENVELOPES SHOULD BE SEALED AND PUT INSIDE A MASTER ENVELOPE, AND SHOULD BE SEALED PROPERLY.**

1. The Master envelope should be super scribed as **“Supply of Arduino UNO board, Arduino Ethernet Shield, DHT 11 Sensor, 12V/1A DC Adapter, 230 VAC RELAY each of Quantity 13 for Airports Authority of India, Chennai”** due to be opened on date **09/05/2022**.
2. Duly completed quotation along with requisite documents should reach this office by registered post, Speed Post or in person at the following address on or before **09/05/2022 upto 12.30 hrs** positively.

Address:

Dy. General Manager (CNS-Stores),
Airports Authority of India,
Opp. old Airport, Bank of Baroda upstairs,
Meenambakkam, Chennai-600027.

3. Technical Bid will be opened on **09/05/2022** at 15.00 hrs in presence of the Committee constituted by the GM (CNS-Chennai) and interested bidders may also participate either themselves or their authorized representatives. No separate intimation will be issued for this.
4. **Technical Bid :(Envelope-A)**
 - 4.1 The “Technical Bid” should contain only the technical specification details of the offer. **The price must not be mentioned in this bid.**
 - 4.2 The envelope sealed and super scribed ‘Technical Bid’ should contain: -
 - i) Technical compliance statement (**Annexure - A**) duly filled and signed by the bidder on the company’s letter head. The submission of compliance statement as described in Annexure-A is an essential for evaluation.
 - ii) Technical specification/brochure Sheet (in English Language) supporting the Annexure-A.
 - iii) Unconditional acceptance of AAI (**Annexure - B**), duly signed by the Bidder.
 - iv) Documentary proof of valid PAN No. & GST No.
 - v) A Copy of NIQ document signed by the bidder (With office seal) in all the pages.
5. **Financial Bid:(Envelope-B)**
 - 5.1 It may be clearly understood and noted that the ‘**Financial Bid**’ document is for **pricing alone**. No condition, whatsoever, should be stipulated in this part. Everything the Bidder has to say, other than pricing, should be stated only in the Technical bid.
 - 5.2 The envelope – B sealed and super scribed “Financial Bid” should contain the price (inclusive of GST) of the offer in the prescribed format given in **Annexure- C**.
 - 5.3 Bids shall be considered on **item wise basis** only.
 - 5.4 No additional payment will be made other than quoted amount.
 - 5.5 The bidder shall quote the rates in **English Language and International Numerals**. The rates shall be in whole numbers. The rates shall be written in both figures as well as in words (shall be in Rupees). In the event of any discrepancy, the price quoted in words will be taken as the correct price.
 - 5.6 E-payment details as per **Annexure-D**.
6. **Other conditions:**
 - 6.1 AAI will not be responsible for any delay in submission of quotations sent by post/courier.
 - 6.2 The validity of quotation should be for a minimum period of 90 days from the date of opening of the Technical Bid.
 - 6.3 Incomplete and ambiguous quotations will be rejected.
 - 6.4 Quotations once submitted shall be final and no amendment shall be permitted.
 - 6.5 A Bidder shall submit only one bid.
 - 6.6 AAI reserves the right to change the Quantity as per the requirement.
 - 6.7 AAI reserves the right to accept/reject any quotation without assigning any reason.

- 6.8 GST or any other Tax in respect of this order shall be payable by the Supplier and Airports Authority of India will not entertain any claim whatsoever in this respect.
- 6.9 In case of any dispute, the decision of The Regional Executive Director, AAI, Region, Chennai is final and binding to the party. In case of any Query, please contact DGM (CNS-Stores) on E-MAIL: com-store-ch@aai.aero on all working days (Monday - Friday) between 1030 IST to 1700 IST except closed holidays.
- 6.10 Bidder shall comply with the GST registration.
- 6.11 Bidder shall comply with HSN/SAC code.
- 6.12 All the items which are used for the work should be brand new, refurbished items are not accepted.
- 6.13 G.M (CNS-Chennai) is the competent authority for grant of extension of time for the delivery.

The item has to be supplied at ATS complex, AAI, Meenambakkam, Chennai.

7. Liquidated Damages:

In case of failure to execute the order in full within the specified period liquidated damages shall be charged @ **0.5 % per week or part thereof but not exceeding 10% of the total contract value**. Even the order can be cancelled at the risk and cost of the supplier.

In case the supplier fails to Supply the items as indicated in the purchase order, the material shall be procured from open market to meet the immediate demand /requirement at the risk and cost of the supplier.

8. Delivery Period:

Within **30 days** from the date of receipt of supply order and the delivery should be made without any delivery charges.

Payment Terms: - Payment will be made on submission of Original Invoice in Triplicate. 100% of the payment shall be made on submission of completion certificate after completion of the work.

No payment shall be made in advance. Payment shall be released on successful completion of work and in full satisfaction of AAI In-charge. As such, information may please be provided in the quotation as per **Annexure D**. Payment will be made on submission of Original Invoice in Triplicate along with delivery Challan and Completion certificate after completion of work.

Dy. General Manager (CNS-Stores),
Airports Authority of India,
Opp. Old Airport, Bank of Baroda upstairs,
Meenambakkam, Chennai-600 027.
for General Manager (CNS-Chennai).

TECHNICAL COMPLIANCE STATEMENT

for

“Supply of Arduino UNO board, Arduino Ethernet Shield, DHT 11 Sensor, 12V/1A DC Adapter, 230 VAC RELAY each of Quantity 13 for Airports Authority of India, Chennai”

Arduino UNO Technical Specifications:

SPECIFICATION	REQUIRED VALUE/TYPE	COMPLIED/NOT COMPLIED
MICROCONTROLLER	ATmega328P – 8-bit AVR family Microcontroller	
OPERATING VOLTAGE	5V	
INPUT VOLTAGE (RECOMMENDED)	7-12V	
INPUT VOLTAGE (LIMIT)	6-20V	
DIGITAL I/O PINS	14 (of which 6 provide PWM output)	
PWM DIGITAL I/O PINS	6	
ANALOG INPUT PINS	6	
FLASH MEMORY	32 KB (ATmega328P) of which 0.5 KB used by Bootloader	
SRAM	2 KB (ATmega328P)	
EEPROM	1 KB (ATmega328P)	
CLOCK SPEED	16 MHz	
LED_BUILTIN	13	
DC CURRENT PER I/O PIN	20 mA	
DC CURRENT FOR 3.3V PIN	50 mA	

Arduino Ethernet Shield Technical Specifications:

SPECIFICATION	REQUIRED VALUE/TYPE	COMPLIED/NOT COMPLIED
ETHERNET CONTROLLER	W5100	
ETHERNET	RJ45	
MAC ADDRESS	0xDE, 0xAD, 0xBE, 0xEF, 0xFE, 0xED byte mac[] = { 0xDE, 0xAD, 0xBE, 0xEF, 0xFE, 0xED }	
LED INDICATORS	TX, RX, COL, FEX, SPD, LNK	
COMMUNICATION PROTOCOL	SPI	
Micro SD SLOT	Required	
OPERATING VOLTAGE	5V	

DHT 11 Sensor Technical Specifications:

SPECIFICATION	REQUIRED VALUE/TYPE	COMPLIED/NOT COMPLIED
OPERATING VOLTAGE	3.5V to 5.5V	
OPERATING CURRENT	0.3mA (measuring) 60uA (standby)	
OUTPUT	Serial data	
TEMPERATURE RANGE	0°C to 50°C	
HUMIDITY RANGE	20% to 90%	
RESOLUTION	Temperature and Humidity both 16-bit	
ACCURACY	±1°C and ±1%	

12V/1A DC Adapter Technical Specifications:

SPECIFICATION	REQUIRED VALUE/TYPE	COMPLIED/NOT COMPLIED
INPUT	AC 100-240V	
OPERATING FREQUENCY	50/60 Hz	
OUTPUT VOLTAGE	12 V DC	
OUTPUT CURRENT	1 A MAX	

230 VAC RELAY:

SPECIFICATION	REQUIRED VALUE/TYPE	COMPLIED/NOT COMPLIED
INPUT	AC 220-240V	
OPERATING FREQUENCY	50/60 Hz	
CONTACT FORM	DPDT	
OPERATING TEMPERATURE	-55°C TO 70°C	
MOUNTING TYPE	SOCKETABLE ALONG WITH BASE	

Seal of the Firm

Signature of the bidder with date

UNCONDITIONAL ACCEPTANCE OF AAI'S TERMS & CONDITIONS
(To be provided preferably on company's letter head)

To

The General Manager (CNS),
Airports Authority of India,
ATS Complex,
Chennai Airport,
Chennai-600027.

Sir,

1. The Notice Inviting Quotation (NIQ) for **“Supply of Arduino UNO board, Arduino Ethernet Shield, DHT 11 Sensor, 12V/1A DC Adapter, 230 VAC RELAY each of Quantity 13 for Airports Authority of India, Chennai- 600027”** have been provided to me/us by Airports Authority of India and I/we hereby certify that I/we read the entire terms and conditions of the NIQ made available to me/us, which shall form part of the contract agreement and I/we shall abide by the conditions/Clauses contained therein.
2. I/We hereby unconditionally accept the NIQ conditions of AAI in NIQ documents in its entirety for NIQ for **“Supply of Arduino UNO board, Arduino Ethernet Shield, DHT 11 Sensor, 12V/1A DC Adapter, 230 VAC RELAY each of Quantity 13 for Airports Authority of India, Chennai”**.
3. The contents of NIQ have been noted wherein it is clarified that after unconditionally accepting the NIQ conditions in its entirety, it is not permissible to put any remarks/conditions (except unconditional rebate on the quoted rates if any) in the NIQ.
4. That, I have not paid and will not pay any bribe to any officer of AAI for awarding this contract at any stage during its execution or at the time of payment of bills.
5. That if any officer of AAI asks for bribe/gratification, I will immediately report it to the appropriate authority in AAI.

Yours faithfully,

Seal of the Firm

(Signature of the bidder with date)

Financial bid

Name of the work: “Supply of Arduino UNO board, Arduino Ethernet Shield, DHT 11 Sensor, 12V/1A DC Adapter, 230 VAC RELAY each of Quantity 13 for Airports Authority of India, Chennai - 600027”.

S. No	Make and Model	Price per unit	GST %	GST amount	Price Per unit with GST	Qty.	Total price for 13 units with GST
1.	Arduino Uno Board					13	
2.	Arduino Ethernet Shield					13	
3.	DHT 11 Sensor					13	
4.	12V/1A DC Adapter					13	
5.	230 VAC RELAY					13	

NOTE 1: Bids shall be considered on item wise basis only. Amount quoted should be inclusive of GST and the bidders should re-ensure unit rate, total amount, and Gross amount etc. Lowest bidder/s shall be selected on item wise basis only.

NOTE 2: Concessional duty shall not be acceptable for AAI for exemption or reduction in Govt. Duties.

NOTE 3: Use of eraser, over writing and or corrections in the price Bid should be avoided. However, in case it becomes unavoidable to use any of these for correction, the same must be authenticated by the person signing the bid with his signature.

NOTE 4: Change in nomenclature of schedule and added optional items in this schedule attract action as per AAI terms and conditions



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NOTE 5: No rows and columns should be left blank. In case price already included in the basic price and break up cannot be given or there is no cost, same maybe indicated in the column or row as “Included” or “Not applicable” or “Nil” as may be appropriate. In case of non- compliance of the same, action will be taken by AAI as under Note 6 below for the purpose of comparative statement and placement of order.

NOTE 6: In case of any ambiguity in total unit price or total amount figures or non-adherence to Note 4, all calculations will be carried out taking Basic Unit rate as base.

I / We agree to all terms and conditions and Note above.

Seal of the Firm
with date

Signature of the Bidder

Annexure-D

E-Payment details

1.	Name of the Company	
2.	Address	
3.	Telephone No	
4.	Fax no	
5.	Mobile No	
6.	Email	
7.	PAN Number	
8.	Bank A/c holder name	
9.	Bank A/c Number	
10.	Type of Account	
11.	Name of Bank	
12.	IFSC Code	
13.	RTGS/NEFT details	
14.	GSTIN	

Seal of the Firm

(Signature of the bidder with date)

Note: Any erroneous information may lead to harmful transaction for which neither AAI nor the Bank will be liable / responsible.