

वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्
Council of Scientific & Industrial Research
राष्ट्रीय वांतरिक्ष प्रयोगशालाएं
National Aerospace Laboratories



CSIR - NAL Estd. 1959
ISO 9001 : 2015
Certified Organization

INVITATION FOR BIDS/NIT

Tender No. NAL/PUR/STTD/340/19-Y

Dated: 04-Dec-19

CSIR- National Aerospace Laboratories (NAL), Bengaluru, India is one of the premier laboratories under Council of Scientific and Industrial Research (CSIR), an autonomous body under Department of Scientific and Industrial Research, Government of India, New Delhi. CSIR-NAL is a Science and Knowledge based Research, Development and Consulting Organization. It is internationally known for its excellence in Scientific Research in Aerospace Engineering.

The Director, CSIR-NAL invites online quotation for procurement of the following item(s) for day to day research work.

| Sl.No. | Description of Items | Unit | Quantity |
|--------|---|------|----------|
| 01 | Interactive touch system for conference room. Please refer Annexure for detailed specification | No | 01 |

| | |
|-----------------------------|---|
| Single / Double Bid | Single |
| Bid Security (EMD) (in INR) | Bid Security Declaration should be enclosed with quotation. |
| Performance Security | 10% of the purchase order value |

01. Tender Documents may be downloaded from Central Public Procurement Portal <https://www.etenders.gov.in>. Aspiring Bidders who have not enrolled/ registered in e- procurement should enroll/ register before participating through the website <https://www.etenders.gov.in>. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at 'Instructions for online Bid Submission'.
02. Tenderers can access tender documents on the website (For searching in the NIC site <https://www.etenders.gov.in>, kindly go to Tender Search option, select tender type and select ' Council of Scientific and Industrial Research' in organization tab and select NAL-Bengaluru-CSIR in department type Thereafter, Click on "Search" button to view all CSIR-NAL, Bengaluru tenders). Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website <https://www.etenders.gov.in> as per the schedule given in the next page.
03. Either the Indian Agent on behalf of the Foreign principal or the Foreign principal can bid directly in a tender but not both. However, the offer of the Indian Agent should also accompany the authorization letter from their principal. To maintain sanctity of tendering system, one Indian Agent cannot represent two different Foreign principals in one tender.
04. Unsolicited / conditional / unsigned tenders (Quotations) shall not be considered. Quotations received after the due date and time shall be summarily rejected.
05. The Bidder shall comply the terms and conditions of the tender, failing which, the offer shall be liable for rejection.
06. The Director, CSIR- National Aerospace Laboratories., Bengaluru reserves the right to accept any or all the tenders either in part or in full or to split the order without assigning any reasons there for.


Raman Kumar
(Section Officer S&P)

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SCHEDULE CUM CRITICAL DATE SHEET

| | | | |
|----|---|---|----------|
| 1 | Name of Organization | CSIR-National Aerospace Laboratories, Bengaluru | |
| 2 | Tender Reference No | NAL/PUR/STTD/340/19-Y dated: 04-Dec-19 | |
| 3 | Tender Type (Open/Limited/EOI/Auction/Single) | Open Tender | |
| 4 | Type/Form of Contract (Work / Supply / Auction / Service / Buy / Empanelment / Sell) | Supply | |
| 5 | No of Covers (One/Two/Three/Four) | One | |
| 6 | Tender Category (Services/Good/Works) | Goods | |
| 7 | Allow Resubmission (Only in online mode within scheduled period) | Yes | |
| 8 | Allow Withdrawal (Only in online mode within scheduled period) | Yes | |
| 9 | Allow Offline Submission | No | |
| 10 | Work Item Title | Interactive touch system for conference room | |
| 11 | Work Description | Interactive touch system for conference room | |
| 12 | Delivery Schedule | 20 days from the date of purchase order | |
| 13 | Product Category (Civil Works / Electrical Works / Fleet Management / Computer Systems) | R & D Equipment | |
| 14 | Is Multi Currency Allowed | Yes | |
| 15 | a) Tender Publishing Date - | 05-Dec-19 | 1800 Hrs |
| | b) Document Download Start Date- | 05-Dec-19 | 1800 Hrs |
| | c) Bid Submission Start Date- | 05-Dec-19 | 1800Hrs |
| | d) Bid Submission End Date- | 23-Dec-19 | 1000 Hrs |
| | e) Bid Opening Date- | 24-Dec-19 | 1100 Hrs |
| 16 | Bid Validity Days | 90 days | |
| 17 | Address for communication | Stores and Purchase Officer CSIR-National Aerospace Laboratories, HAL Airport Road, Kodihalli, Bengaluru - 560017 | |
| 18 | Inviting Officer | Director, CSIR-NAL | |
| 19 | Contact No | 25086040, 25086041 | |
| 20 | E-mail Address | purchasek@nal.res.in | |
| 21 | Detailed specification of item | Refer Invitation for bids / NIT | |
| 22 | Tender Terms & Conditions & Instruction for online bid submission | The prospective bidders are requested to refer to the Standard Tender Document available on NAL Internet (www.nal.res.in) under the icon Tender-Purchase before formulating and submitting their bids | |

| SI No | Description | Compliance |
|-------|---|--|
| | Display Type | TFT LCD |
| | Display Panel [Diagonal size [mm] | 214.8 |
| | Width of the Effective Display Area of the panel [mm] | 1872 |
| | Height of the Effective Display Area of the panel [mm] | 1053 |
| | Backlight Technology | LCD[Direct LED] |
| | Display Resolution[pixels] | 3840 x 2160 |
| | Display Brightness[Nits] | 350 |
| | Display Aspect Ratio | 16:09 |
| | Touch Interface | yes |
| | Touch Technology | InGlass |
| | Number of touch points [Number] | 20 points |
| | Response time [milli second] | 9.5 ms |
| | Operating system compatibility | Android, Windows, MAC |
| | Number of input HDMI ports | 2 |
| | Number of USB 3.0 ports [Nos] | 5 |
| | Number of Audio input ports number | 1 |
| | Number of audio output ports nos | 1 |
| | Number of Rs-232 ports nos | 1 |
| | Number of RJ 45 ports nos | 1 |
| | Number of VGA-IN ports number | 1 |
| | Number of VGA-OUT ports number | 0 |
| | Provision of in built speakers | yes |
| | provision of wall mounting | yes |
| | Bluetooth connectivity | Compliant with version 4.1 [A.2DP/AVRCP/GATT/GAP/HID/HOGP] |
| | Wi-fi connectivity | yes |
| | Number of electronic pen or stylus to be supplied with the board nos | 1 |
| | Details of software provided | Multi window collaboration software able to organize a variety of file types in one work area[Powerpoint, Web, Excel, PDF, Touch, Videos, Word, Picture] should allow to have more active discussions, various kind of files to be opened at one work area. Comparing and referring to those files, one should have a active discussions[Ex: View Web browser, Playback of video content, group file by color and label, write on screen annotation retrieve from the drawers, including MFP connectivity selected files can be placed side by side, each file can be moved expanded and reduced |
| | Power supply voltage in AC [volts] | 100v-240v |
| | power consumption [watts] | 310W |
| | Operating temperature range degree celsius | 5° - 35° |
| | operating humidity [%]RH | 20 - 80 RH [no condensation] |
| | installation kit to be supplied alongwith the panel | yes |
| | All connecting cables and accessories to be supplied along with the panel | yes |
| | BIS Registration under CRS of meity | yes |
| | BIS Registration number & its validity | |
| | Availability of test reports from central Govt/NABL/ILAC accredited Lab covering all the parameters | yes |
| | Test Report Number | |
| | Test Report date | |
| | Name of the Test lab | yes |
| | Address of the Test lab | New Delhi |
| | On Site OEM warranty [year] | 3 |
| | Built-in Android PC | Hexa Core [Arm Cortex A-72 processor[dual core] + Arm Cortex-A53 processor [quad core] |
| | OS | 4 GB |
| | Storage | 32GB |
| | External Interface | LAN port [10 Base-T/100 Base-TX/1000 Base-T], micro SD card slot [micro SD/micro SDHC/microSDXC]x1, USB port [3.0 compliant] x 2 |
| | Wireless LAN | Compliant with IEEE802.11 ac/n/a/g/b |
| | USB hub function | USB port [2.0 compliant] x 2 |
| | Controller | Built-in controller with launcher by OEM App |
| | Windows OS PC | CPU with windows 10 pro |
| | Memory | 8GB |
| | Hard disk | 120 GB |
| | Wireless Technology | 802.11b, 802.11g, 802.11n |
| | PC Features: | Other features: Includes Thunderbolt 3 (40Gbps) USB 3.1 Gen 2 (10Gbps) and DP 1.2 via USB-C; also includes microSDXC card slot, dual microphones |
| | Contrast ratio in standard mode | 5 000:1 |
| | Protection Glass | Thickness 4mm, shock resistance 130 cm |
| | Display Connect features | Application enables data transfer and screen share between PC and tablet[Chromebook], easy, sharing of meeting material on the screen including interactive and conventional personal memo's / annotation notes, large-scale interactive communication via host device and the same network, freely remote control of the host device from the client also to be possible |
| | Wall Mount bracket | 1 No |
| | Warranty | 3 years |

Note: A compliance chart clearly detailing compliance or deviation(s) against tender specifications should be enclosed to the offer otherwise vendor will be disqualified

Original manufacturer authorization and back up support for warranty to be enclosed

Tender No.: NAL/PUR/STTD/340/19-Y

BID-SECURING DECLARATION FORM

Date: _____

Bid No. _____

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

| | |
|-----|--|
| (a) | have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during* the period of bid validity specified in the form of Bid; or |
| (b) | having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders. |

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown)
in the capacity of (insert legal capacity of person signing the Bid Securing Declaration).

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of: (insert complete name of Bidder)

Dated on _____ day of _____ (insert date of signing)

Corporate Seal (where appropriate)

Note:

1. In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid.
2. Bid Security declaration must be signed in by the Proprietor/CEO/MD or equivalent level of Officer of the company.