

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/ACD/428/20-Y

Dated: 30-Jan-2021

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
1	Portable Cleanroom Dust Particle Counter. Please refer Annexure for detailed specification.	Nos	1

Single / Double Bid	Single	Tender Type	Open
Bid Security (EMD) (in INR)	Bid Security Declaration should be enclosed with quotation	Bid submission end date	18-Feb-2021 10.00 Hrs
Performance Security	3% of the purchase order value	Bid opening date	19-Feb-2021 11.00 Hrs

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 prospective bidders are requested to refer to the Standard Terms and Conditions available on NAL Internet (www.nal.res.in) under the icon Tender-Purchase before formulating and submitting their bids
07. 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.

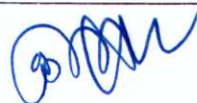
Raman Kumar
Stores & Purchase Officer

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P B No 1779, HAL Airport Road, Kodihalli, Bengaluru - 560 017, INDIA
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Annexure**Specifications for Portable Cleanroom Dust Particle Counter**

UTN No: ACD040121VO19444

Size Range	0.3 - 10.0 μm
Particle Channel Sizes	0.3, 0.5, 1.0, 3.0, 5.0, 10.0 μm
Flow rate & control	1.0 CFM (28.3 LPM), Electronic & automatic closed loop
Laser Source	Long Life Laser Diode with 10-year MTTF
Zero Count Level	< 1 count / 5 minutes (as per ISO 21501-4)
Concentration Limits	1,000,000 particles / ft ³ @ 10% coincidence loss suitable for ISO classes 6-8 cleanrooms
Counting Efficiency	50% @ 0.3 μm ; 100% for particles > 1.5 X first channel particle size
Calibration	Designed for ISO 21501-4 Compliance
Self-Diagnostics	Laser Power/Current/Supply, Flow out-of-range, No flow, PA Background/Supply/Health
Count Modes	Sample, Concentration, Beep, Quick Certification modes
Data Storage	Minimum of 10,000 Sample Records, 999 Locations, 250 Zones
Communication	Ethernet, USB standard, Wi-Fi
Environmental Sensors	Temperature/Relative Humidity Probe: 0 to 50°C \pm 0.5°C / 15-90% \pm 2% RH
Display	Min 5.5 inch color touch screen display
Printer	Built-in thermal printer
Reports	FED 209E, ISO 14644-1:1999, ISO 14644-1:2015, & EU GMP regulatory pass/fail reports on screen or printer
Alert	User configurable warnings and alarms
Exhaust	Internally filtered to HEPA standards
Vacuum Source	Internal blower, automatic flow control
Enclosure	Chemically Resistant Polycarbonate blend/Stainless Steel
Power	240 VAC universal power supply



Battery &	2x Li-Ion battery slot capacity, removable and rechargeable, hot-swappable.
Battery life	Minimum 7 hours of continuous operation.
Operating Range	2-35°C, 20-90% RH noncondensing
Standards	ISO 21501-4, CE JIS B9921
Warranty	2 years
Languages	English
Accessories	Power supply, battery, Barbed inlet, Isokinetic probe, tubing, purge filter, Air velocity sensor, USB cable, Temp & RH probe, printer paper, calibration certificate, Operating manual & quick start guide, carrying case

Note:

- 1) 2 set of printed manuals (containing operating instructions, troubleshooting details, calibration details, etc.) to be provided with the equipment.
- 2) Vendors should compulsorily mention quantitative & qualitative remarks against each parameter mentioned in the document. Only mentioning "OK/Accepted/Agreed/Confirmed/Will be Complied" or other such remarks would render the offer to be rejected.

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 refuse 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.