

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 TENDERS

Tender No. NAL/PUR/ACD/044/22-Y

Dated: 07/06/2022

CSIR - National Aerospace Laboratories (NAL), Bengaluru, Republic of India, is one of the premier research laboratories under aegis of Council of Scientific and Industrial Research (CSIR), an autonomous body under the Department of Scientific and Industrial Research, Government of India, New Delhi. CSIR-NAL is a Science and Knowledge based Research, Development and Consulting Organisation. 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 Item(s)	Unit	Quantity
1	Supply and Integration of CCTV camera compatible with existing CCTV network with necessary enterprise server grade NVR, display, control PC and Software. (Please refer annexure for detailed specification)	Set	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	30-Jun-2022 10.00 Hrs
Performance Security	3% of the purchase order value	Bid opening date	01-Jul-2022 11.00 Hrs

01. Tender Documents may be downloaded from Central Public Procurement Portal <https://www.etenders.gov.in>. Aspiring Bidders' who have not registered in e- procurement can register free of cost before participating through the website <https://www.etenders.gov.in>. 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 organisation 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.

पी बी सं. 1779, एचएएल एयरपोर्ट रोड, कोडिहल्ली, बेंगलुरु - 560 017, भारत,  
P B No 1779, HAL Airport Road, Kodihalli, Bengaluru - 560 017, INDIA  
फोन / Phone : ( का./ Off ) : +91 - 80 - 2508 6040 - 45, फैक्स / FAX : +91-80-2526 9611



<http://www.nal.res.in>



[purchasek@nal.res.in](mailto:purchasek@nal.res.in)



## CSIR-National Aerospace Laboratories, Bengaluru-560 017, INDIA

03. a. Global Tender Enquiry: 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 authorisation letter from their principal. To maintain sanctity of tendering system, one Indian Agent **cannot** represent two different Foreign principals in one tender
- b. Open Tender enquiry: Only Local suppliers with prescribed local content as detailed in DIPPT Order No. P-45021/2/2017-PP (BE-II) dated 16<sup>th</sup> Sep, 2020 and subsequent orders issued by Ministry of Finance (GoI) from time to time, are eligible for bidding. Bidders must enclose the certificate declaring the local content of supplies as per our standard form.

(Note: Kindly refer to the first page (NIT) for tender type (i.e. Open Tender Enquiry / Global Tender Enquiry) and submit your bid accordingly.

04. Unsolicited / conditional / unsigned Quotations/Quotations received after the due date and time shall be summarily rejected. The Bidder shall comply the terms and conditions of the tender, failing which, the offer shall be liable for rejection.
05. The bids' failing to comply with the following clauses will be summarily rejected.
- a. The Bidders' proposing to supply finished products directly/indirectly from vendors' of countries sharing the land border with India should submit a copy of registration done with DPIIT.
- b. If the products supplied are not from vendors of countries sharing land border with India, the Bidders' have to enclose a declaration to that effect.
06. As per Govt. of India procurement policies,
- a. The purchaser intends to give purchase preference to local supplies (Preference to Make in India) in case the cost of procurement is up to Rs. 50.00 lakhs.
- b. The procuring entity intends to give purchase preference to products/goods manufactured by micro, small and medium enterprises.
07. Kindly, note CSIR-NAL **GST No. 29AAATC2716R1ZB**. And the bidders' are requested to furnish their GST No. in their invoice failing which we will **not** be able to make timely payment.
08. The prospective bidders' are requested to refer to the Standard Terms and Conditions available on NAL Internet ([www.nal.res.in](http://www.nal.res.in)) under the icon Tender-Purchase before formulating and submitting their bids'.
09. 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.

Thanking you,

Yours faithfully

  
Stores & Purchase Officer  
For and on behalf of CSIR-NAL



## Item 1 : 5MP Dome camera

Qty. 46 Nos.

S.NO	Parameter	Description
1	Resolution /Lens	5 MP (2592 x 1944) / 2.8mm or better
2	Sensor Type and Size	1/2.8" CMOS 5MP Active Pixel or better
3	Minimum Illumination	Colour - 0.01 Lux @ F1.2 (AGC ON) Monochrome - 0 Lux
4	Field of View	Horizontal Field of View: 107 degrees or better
5	IR Range	30M or better
6	Video Analytics	Motion/No Motion Detection, Tamper Detection, Trip Detection
7	Power Supply	12V (DC); 802.3af (PoE)
8	Storage	NAS, SD Card
9	Stream Profiles	H.265/H.264
10	WDR	True WDR (120dB)
11	Adaptive Streaming	YES
12	Smart Streaming	YES
13	Video Parameters	Region of Interest (ROI)
14	SNR	SNR > 70 dB
15	Certifications	IP66, BIS, CE, FCC and RoHS, <b>NDAA Compliant with &gt;50%</b>

## Item 2 : 5MP Bullet camera

Qty. 5 Nos.

S.NO	Parameter	Description
1	Resolution /Lens	5 MP (2592 x 1944) / 4mm or better
2	Sensor Type and Size	1/2.8" CMOS 5MP Active Pixel or better
3	Minimum Illumination	Colour - 0.01 Lux @ F1.2 (AGC ON) Monochrome - 0 Lux
4	Field of View	Horizontal Field of View: 107 degrees or better
5	IR Range	30M or better
6	Video Analytics	Motion/No Motion Detection, Tamper Detection, Trip Detection
7	Power Supply	12V (DC); 802.3af (PoE)
8	Storage	NAS, SD Card
9	Stream Profiles	H.265/H.264
10	WDR	True WDR (120dB)
11	Adaptive Streaming	YES
12	Smart Streaming	YES
13	Video Parameters	Region of Interest (ROI)
14	SNR	SNR > 70 dB
15	Certifications	IP66, BIS, CE, FCC and RoHS, <b>NDAA Compliant with &gt; 50%</b>

## Item 3 : 128 Port Enterprise NVR

Qty. 1 No.

S.NO	Parameter	Description
1	Resolution Support	12MP, 8MP, 5MP, 3MP, 2MP, 720P, D1, 2CIF, CIF, QCIF
2	Local Decoding	1x 4K/ 4x 1080P/ 16 x D1 @H.264
3	IP Camera Channels	128 IP Channels or more
4	Hot Swap HDD Bays	8x SATA HDD/ SSD 3.5" or 2.5" or more
5	Video Display	minimum 2x Display Ports; 1x VGA
6	Power Supply System	1+1 550W Hot Swap Platinum Redundant Power Supply
7	Throughput (Uplink)	512Mbps or better
8	Throughput (Downlink)	512Mbps or better
9	IP Camera Supports	ONVIF Profile S Supported
10	Backup	3 Level Data Backup Policies or better
11	Multi- Stream Supporting	YES
12	Action	Real Time Notification using SMS & Email, Remote and Centralized Viewing and Management and Mobile Clients



<b>Item 4 :</b>	<b>HDD</b>	8 TB Enterprise class SATA HDD	<b>Qty. 8 Nos.</b>
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**Item 5 : Display**

**Qty. 2 Nos.**

S.NO	Parameter	Description
1	Display Size	55 inch
2	Resolution	Resolution : ULTRA HD (3,840 x 2,160)
3	Screen Aspect	0.672916667
4	static Panel contrast	1300:1 or higher
5	Brightness	400 nits
6	Ports	HDMI 3 , USB 2, WiFi Built in , Hotspot, Screen Mirror
7	Power supply	230 V
8	Wif-fi Option	Required
9	Remote	Touch Remote should available
10	Other Accessories	Wall Mount kit and Table Stand kit, Quick Setup Guide, warranty card, application CD, power cord and Other accessories,

<b>Item 6 :</b>	<b>Desktop PC</b>	Intel Core i5 - 11th generation Processor, 8 GB Ram, 1 TB HDD with keyboard & mouse with preinstalled Licensed OS & necessary S/W for monitoring camera O/P	<b>Qty. 2 Nos.</b>
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**Note :**

- 1 Required Cat 6 UTP cables, Wall mount Rack, Conduit ducts, cable tags, stickers RJ 45 Jack, patch cords etc and any other accessories required (as per the site condition to complete the installation) have to be supplied by the vendor.
- 2 Laying of ducts, conduits and cables, Mounting of wall racks, panels termination of cables, labelling, tagging to be carried out by the vendor.
- 3 Installation and configuration of the supplied cameras, servers, displays and storage server and integration with the existing system have to be carried out by the vendor.
- 4 All Systems should come with minimum of one year warranty

*mm/12*  
08/06/2022

### **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.