

INVITATION FOR TENDERS

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

Dated: 30/06/2022

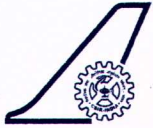
CSIR - National Aerospace Laboratories (NAL), Bengaluru, Republic of India, is one of the premier research laboratories under aegis of Council of Scientific and Industrial Research (CSIR), an autonomous body under the Department of Scientific and Industrial Research, Government of India, New Delhi. CSIR-NAL 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.	Set	1
Note: a) Bidders with Manufactures Authorization Certificate shall be allowed for site visit between 04-Jul-2022 to 08-Jul-2022 b) Please refer annexure for detailed specification.			

Single / Double Bid Only	Single	Tender Type	Open
Bid Security (EMD) (in INR)	Bid Security Declaration should be enclosed with quotation	Bid submission end date	21-Jul-2022 10.00 Hrs
Performance Security	3% of the purchase order value	Bid opening date	22-Jul-2022 11.00 Hrs

- 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'.
- 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.
- 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



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

- 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 16th 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. Bidders' are requested to refer to the instructions regarding Procurement Policies for "Make in India", issued by Ministry of Commerce and Industry, Department of Industrial Policy and Promotion dated. 28-May-2018, and 4-Jun-2020 and guidelines as and when issued.
08. 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.
09. Printed conditions, if any, submitted along with your quotation shall not be binding on us.
10. 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'.
11. 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

Annexure -1**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, NDAA Compliant with >50%

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, NDAA Compliant with > 50%

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

Item 4 :	HDD	8 TB Enterprise class SATA HDD	Qty. 8 Nos.
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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,

Item 6 :	Desktop PC	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	Qty. 2 Nos.
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Item 7 :	Required Cat 6 UTP cables, Wall mounnt 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.		Qty. 1 Set
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Note :

- 1 Laying of ducts, conduits and cables, Mounting of wall racks, panels termination of cables, labelling, tagging to be carried out by the vendor.
- 2 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.
- 3 All Systems should come with minimum of one year warranty
- 4 Vendors with OEM authorisation can do the site inspection between 04-07-2022 to 08-07-2022 with prior intimation.
- 5 Vendor has to provide OEM authorisation letter along with the bid
- 6 The overall cost including supply of items, installation and integration with the existing camera system will be considered for the selection of the bid.

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.