



5-642/2021-22/Audio-Visual Equipment/A.III

Dated: 29.04.2022

**NOTICE INVITING FOR
TENDER FOR Procurement of Audio Visual Equipment.**

ICAR-NAARM is a premier public funded Training and Research Management Organization under ICAR, DARE, Ministry of Agriculture & Farmers Welfare, Government of India. The Director, ICAR-NAARM invites Bids from the reputed and Registered Agencies/Contractors who are having relevant experience for **Supply of Audio Visual Equipment at ICAR-NAARM, Rajendranagar, Hyderabad.** The bidders are requested to submit the Tenders online on CPP Portal.

Important Dates:

Sl. No.	Description	Date	Time
1.	Tender Publishing Date	29-04-2022	1600 hrs
2.	Document Download start date	29-04-2022	1700 hrs
3.	Seek Clarification Start Date	29-04-2022	1700 hrs
4.	Seek Clarification End Date	16-05-2022	1500 hrs
5.	Bid Submission Start Date	29-04-2022	1700 hrs
6.	Bid Submission Closing Date	20-05-2022	1100 hrs
7.	Bid Opening Date	21-05-2022	1100 hrs

Eligibility Conditions:

- 1. The firm should be registered/incorporated with state government having its office at Hyderabad/Secunderabad so as to provide after sales services.**
2. The firm should have executed at least three works related to supply of Audio Visual Equipment & its Accessories in Government/Public/Private Sector Undertakings of value Rs 20 lakh or above during the last 3 financial year.

The details of items and specifications to be Supplied along with the Scope of Work are provided in the Schedule – A.

GENERAL TERMS AND CONDITIONS:

1. **Cost of Tender document:** The cost of Tender document is free. The terms and conditions can be downloaded from NAARM Website (<http://www.naarm.org.in/>) or the Government of India, Central Public Procurement Portal (<http://eprocure.gov.in/cppp/>). Director, ICAR-NAARM reserves the right to accept or reject any tender(s) or in full without assigning any reason thereof.
2. **Earnest Money Deposit:** An earnest money deposit of (EMD) **Rs. 25,000/-(Rupees Twenty Five Thousand)** only) must be deposited in the form of Demand Draft in favour of **NAARM MAIN ACCOUNT** and payable at Hyderabad.
Scanned copy of the EMD is to be uploaded while submitting the Tender online and the hard copy of the same should be submitted to the Stores and Purchase Officer before closing date of the Tender. If NSIC/MSME Certificate etc. for exemption is available, the submission of EMD is exempted but the certificate shall be uploaded on CPPP.
3. The unsuccessful bidders EMD will be returned soon after the finalization of Tender, whereas the successful bidders **EMD** will be returned subject to furnishing the required **Performance Security/Security Deposit**.
4. All communications must be addressed to the Director, ICAR-NAARM, Rajendranagar, Hyderabad.
5. **Payment:** No advance payments will be done. The payment will be done after successful supply of the Items and after satisfactory Certification from the Concerned Officers. The vendor has to submit pre-receipted bill in triplicate in the name of Director, ICAR-NAARM, Hyderabad. On certification by end user regarding satisfactory supply the same will be processed for payment.
6. **Security Deposit:** The successful bidder has to furnish an amount equivalent to three **(3) per cent** of the order value as **Performance Security Deposit** which will be refunded / returned only after satisfactory completion of the contractual obligations including warranty. The Security Deposit should be in the form of Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any commercial bank and on which no interest will be paid.
7. **Bank details for e-payment:** The bank details may be furnished along with tender for making e-payment to the successful bidder.
8. **Period of Validity:** The rates quoted shall be valid for a minimum period of **90 days** beyond the date of opening of tenders.
9. **Rates:** Rates should be quoted in the prescribed Price Schedule in Indian Rupees only.
10. **Taxes / Duties:** If taxes, duties, or any other charges over and above the rates quoted are payable by the Academy, actual / percentage of such taxes / duties / charges should be clearly indicated.
11. **Enquiry's on tender:** Any enquiry's regarding the tenders will not be entertained once the tenders are opened.
12. **Acceptance of tender:** Director, ICAR-NAARM reserves the right to accept or reject any of the tenders either in part or in full without assigning any reason thereof.

13. **Decision:** The Decision of the Director, ICAR-NAARM on any dispute in the matter will be final and legally binding.
14. **Jurisdiction:** All disputes including court proceedings shall be settled within the Hyderabad jurisdiction only.
15. **Rejection of tenders:** Tenders not complying with the above conditions are liable to be rejected.
16. **Evaluation:** Both Technical Bids and Financial Bids are evaluated by the Committees of the institute before awarding the contract.
17. **The tenders without EMD amount or without valid exemption certificate will not be considered.**
18. In the event of the date & time specified for tender receipt being declared as a closed holiday for purchaser's office, the due date for submission of tenders will be the following working day at the specified timings.
19. Director, ICAR-NAARM reserves the right to accept or reject any or all the tenders. Decision of the Director will be final and legally binding. All disputes will be subject to Hyderabad Jurisdiction only.
20. The rates are net and inclusive of all taxes, transport, royalty, Installation and octroi etc. and nothing extra will be paid on any account.

**Senior Administrative Officer
ICAR-NAARM, HYDERABAD**

Items to be Supplied with Specifications

Item No. 1 - LCD Projector

Specifications of LCD Projector

1.	Display Technology	3 LCD	Qty 03
2.	zoom Ratio	1.6 and higher	
3.	Light output	5,000 lm and above	
4.	Light source	Lamp (UHP/ UHM)	
4.	Resolution	1024 x 768 or higher	
5.	Contrast ratio	16,000:1 and above	
6.	Lens shift	Vertical 0 to +40 % from center of screen (manual or better	
7.	Keystone correction range	Vertical: maximum ±30 or better Horizontal: maximum ±30 or better	
8.	Screen size	30-300 inches	
9.	COMPUTER IN	D-sub 15-pin x 1(female) or more	
10.	MONITOR OUT	D-sub 15-pin (female) x 1 or more	
11.	VIDEO IN	1 or more	
12.	AUDIO IN	M3 stereo mini jack x 2 or more	
	HDMI IN	HDMI 19-pin x 2 or more	
14.	AUDIO OUT	M3 stereo mini jack x 1 or more	
15.	USB A	Type A x 1 or more	
16.	SERIAL IN	D-sub 9-pin (female) x 1(RS-232C compliant)	
17.	LAN	RJ-45 x 1 10Base-T/100Base-TX	
18.	Built-in speaker	10 W or higher	
19.	Weight	Below 6 kg	

Item No.2 - Wireless Handheld and Collar Microphone

Specifications of Wireless handheld and collar Microphone

1.	Carrier frequency range	500.1 MHz – 864.9 MHz	Qty 05 Nos.
2.	Switching bandwidth	30.5 MHz (depending on local regulations)	
3.	Modulation	FM (Frequency Modulation)	
4.	Audio bandwidth	35 to 20,000 Hz	
5.	Signal to Noise	120 dB-A	
6.	Receiver	Carrier frequency range Band 1: 650 to 680 MHz Band 6-A-ISM: 835.1 to 861.9 & 863.1 to 864.9 MHz Band 3: 720 to 750 MHz Band 7: 500.1 to 530.5 MHz Net / Shipping Weight 972 g (2.2 lbs.) Standard Accessories 2 UHF antennas, power supply, rack mount kit	
7.	Handheld Microphone	Switching bandwidth 30.5 MHz (country dependent) RF output power 10 or 50 mW	

		(ERP, country dependent) Modulation / Bandwidth Wideband FM Microphone	
8.	Collar Microphone	Carrier frequency range Band 1: 650 to 680 MHz Band 6-A-ISM: 835.1 to 861.9 & 863.1 to 864.9 MHz Band 3: 720 to 750 MHz Band 7: 500.1 to 530.5 MHz	

Item No. 3 a) - 4 in 4 out HDMI Splitter (Switcher)

Specifications of 4 in 4 out HDMI Splitter (Switcher)

1	Frequency bandwidth	2.25Gbps (single link)	Qty. 04 Nos.
2	Input ports	4 x HDMI female ports,	
3	Output ports	4 x HDMI female ports,	
4	HDMI Audio output	PCM2, PCM5.1, PCM7.1, Dolby5.1, DTS5.1, DD+	
5	HDMI Cable in & Out	1080p 8bit (15M), 1080p 12bit (15M)	
6	HDMI Resolution	480I~1080p 50/60, 1080p 24, VGA~UXGA	
7	DVI Resolution	480I~1080p 50/60, 1080p 24, VGA~UXGA	

Item No. 3 b) - 4 in 4 out VGA Splitter (Switcher)

Specifications of 4 in 4 out VGA Splitter (Switcher)

1.	Interfaces	4 x HDB-15 Male (Blue)	Qty. 04 Nos.
2.	Impedance	75 Ω	
3.	Max. Distance	1.8 m	
4.	Interfaces	1 x HDB-15 Female (Blue)	
5.	Impedance	75 Ω	
6.	Max. Distance-Bandwidth	30 m- 300 MHz	
7.	Max. Resolution	Up to 1920 x 1440	
8.	Max. Distance	Up to 30 m	
9.	Input	4 x Mini Stereo Jack Female (Green)	
10.	Output	1 x Mini Stereo Jack Female (Green)	
11.	RS-232	Connector: 1 x DB-9 Female (Black) Baud Rate and Protocol: Baud Rate: 19200, Data Bits: 8, Stop Bits:1, Parity: No, Flow Control: No	
12.	IR	1 x Mini Stereo Jack Female (Black)	

Item No. 4 - Audio System for PGDMA First Year Class Room

**Specifications of Audio System for PGDMA First Year Class Room
(1 Unit)**

Ceiling Speaker		Qty.
Frequency Range (-10 dB) ¹	74 Hz – 20 kHz	10 Nos.
Frequency Response (± 3 dB) ¹	100 Hz – 20 kHz	
Power Capacity (at low-Z) ²	60W Continuous Program Power 30W Continuous Pink Noise	
Nominal Impedance	8 ohms (in direct/bypass 8 \square setting)	
Transformer Taps	25 W, 12.5 W, 6.3 W @ 70V or 100V plus 3.2 W @ 70V only)	
Crossover Network	12 dB/oct (2nd order) low-pass to LF driver,	
Amplifier		Qty.
Power Output	40W/80W/120W	01 No.
AC Line Voltage	100 - 240V, 50/60 Hz	
Input Impedance	20K ohms/50K ohms	
Output Channels	2	
Mixing Console		Qty.
Input (Mic) - Mic/Line Combo Inputs Peak Light, EQ High, EQ Mid, EQ Low, Pan, Level	2	01 No.
Input (Line) - Aux/FX & Balance	3	
Input (USB) - USB Return	2, summed with RCA, into channel 7&8	
Output - Master Stereo Out, & Aux Out	1	
Lexicon Processing Reverb/Chorus/Delay/ Tap Tempo	1	
Output Control - Monitor/Phones Level & Master Level Fader	1	
Output Control - Output Meters	4x LED	

Item No. 5 -- Smart Projection System (Laser Projector)

Specifications of Smart Projection System (Laser Projector)

1.	Display method	3 LCD	Qty 01
2.	Light source	Laser diodes	
3.	Lens	Powered, Short throw - 1.21-1.66:1 (16:10 aspect ratio)	
4.	Lens Shift	Vertical ± 65 % (powered) Horizontal ± 35 % (With Short throw Lens) or better	
5.	Light output	7,000 lm or better	

6.	Resolution	WUXGA (1920 x 1200 pixels) or better
7.	Contrast ratio	3,000,000:1 (Full On/Full Off) or above
8.	Keystone correction range	Vertical: $\pm 20^\circ$, Horizontal: $\pm 20^\circ$ or better
9.	HDMI	HDMI 19-pin x 3 or more (HDCP 2.3, Deep Color, 4K/60p signal input) CEC supported
10.	COMPUTER IN	D-sub HD 15-pin (female) x 1 or more
11.	Power consumption	400W or less [IN NORMAL MODE]
12.	Weight	Below 20 kg (without lens)

Item No. 6 - 43" LED Display Screen

Specification of 43" LED Display Screen

1.	Inch	43	Qty. 02 Nos.
2.	Drive method	300	
3.	Resolution	3840 X 2160 (UHD)	
4.	Digital	ATSC	
5.	HDR (10 Pro / HLG)	Yes / Yes	
6.	Audio Output	10W + 10W	
7.	Speaker System	2.0 ch	
8.	Hospitality	Hotel Mode/PDM/Installer Menu, Lock mode (Limited), Welcome Screen (Splash Image), Insert Image, One Channel Map, IP Channel Manager, External Speaker Out	
9.	JACK INTERFACE	Vertical: $\pm 25^\circ$, Horizontal: $\pm 30^\circ$ (for supplied lens; optional lenses also available*4).	
10.	Set Side	HDMI In 2(2.0), USB (2.0)	
11.	Set Rear	HDMI In (HDCP) 2.0, RF In (tuner),	

SCOPE OF WORK

The Supply of materials includes successful supply and installation of the supplied items with warranty period

SAMPLE FINANCIAL BID

Name of the Bidder/ Bidding Firm /								
PRICE SCHEDULE								
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)								
NUMBER	TEXT	NUMBER	TEXT	NUMBER	NUMBER	NUMBER	NUMBER	TEXT
Sl. No.	Item Description	Quantity	Units	BASIC RATE per unit In Figures To be entered by the Bidder in Rs. P	GST Rate in Percentage (%)	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2	4	5	13	14	53	54	55
1	Audio Visual Equipment							
1.01	LCD Projector	3	Nos					INR Zero Only
1.02	Wireless handheld and collar microphone	5	Nos					INR Zero Only
1.03	4 in 4 out HDMI Splitter	4	Nos					INR Zero Only
1.04	4 in 4 out VGA Splitter	4	Nos					INR Zero Only
1.05	Ceiling speaker	10	Nos					INR Zero Only
1.06	Amplifier	1	Nos					INR Zero Only
1.07	Mixing console	1	Nos					INR Zero Only
1.08	smart projection system	1	Nos					INR Zero Only
1.09	43 inches LED display screen	2	Nos					INR Zero Only
Total in Figures:								INR Zero Only
Quoted Rate in Words:								

This is sample of Financial Bid only. The Financial bid is to be uploaded on CPPP only in BoQ format

ANNEXURE-A**CHECKLIST (To be uploaded with Technical Bid)**

S.No	Document to be uploaded in Technical bid on CPPP	Whether Uploaded (Yes/No)
1.	Filled Annexure – A	
2.	Filled Details as per Annexure-B along with Complete tender document duly sealed and signed	
3.	Undertaking as per Annexure – C	
4.	Proof of 3 works related to supply of the relevant items in Government/Public/Private Sector Undertakings of value Rs 20 lakh or above during the last 3 financial year along with duly filled Annexure-D	
5.	Tender Form as per Annexure – E	
6.	Scanned copy of EMD Document/ Exemption Certificate for same (Whichever is valid)	
7.	Scanned copy of Registration Certificate of Firm	
8.	Scanned copy PAN & GSTIN Registration. (all scanned and combined in one pdf)	
9.	The firm should enclose copies of income tax returns for the last 3 years (Financial Year 2017-18, 2018-19, 2019-20)	
10.	Local office at Hyderabad/ Secunderbad	

COMMERCIAL DETAILS

(To be submitted on Firm's Letter head)

1.	Name and Address of Bidder	
2.	Telephone No. / Mobile No. / FAX No.	
3.	Email ID	
4.	Month and Year of Establishment	
5.	PAN and GSTIN Number	
6.	EMD Details	
7.	Local Office Address in Hyderabad/Secundrabad	

SIGNATURE OF THE BIDDER & STAMP

Date:

Place:

UNDERTAKING

(To be submitted on Firm's Letter head)

I/We have read and understood General Terms and Conditions contained in the ICAR-NAARM's Tender. I/We do hereby declare that all the details provided in this tender bid are true to the best of my/our knowledge and belief and any misrepresentation of facts will render me/us liable to any action as may be deemed fit by ICAR-NAARM, Hyderabad.

I/We do hereby also accept ICAR-NAARM have the right to accept or reject this application and not to issue invitation to Tender to me/us.

I/We undertake to communicate promptly to ICAR-NAARM any changes in the condition or working of the firm. It is also certified that we have not been blacklisted by any organization of Government of India including Central Vigilance commission (CVC) in the last three years. The undersigned is fully authorized to sign and submit this application form on behalf of the organization, he/she represent. We authorize ICAR-NAARM to approach individuals, employees, firms and corporations to verify our competence and general reputation.

I/We do hereby also certify that we have all the required expertise in the field for which bids are being invited by ICAR-NAARM.

**AUTHORISED SIGNATORY OF THE FIRM WITH
SEAL**

Place:

Dated:

RELEVANT WORK EXPERIENCE DETAILS

(To be submitted on Firm's Letter head)

Sr. No.	Name of the Department / Organization where work was done/undertaken	Period	
		From	To
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			

AUTHORISED SIGNATORY OF THE FIRM WITH SEAL

Place:

Dated:

Note: While uploading this annexure in CPPP bidder should make sure that work experience certificates are also uploaded along with this in one single pdf

TENDER FORM

(To be printed on company letter head)

Tenderer's Ref.No. _____

Date: _____

To

The Director

ICAR-NAARM, Rajendranagar,

HYDERABAD – 500 030

Ref: Your Tender Notice Advt. No. _____ dated-----.

Dear Sir,

I/We hereby offer for your requirements detailed in the schedule hereto or such portion thereof as you may specify in the Acceptance of Tender at the rates given in the said schedule and agree to hold this offer for 90 days for acceptance. I/We shall be bound by a communication of Acceptance dispatched within the prescribed time and also execute agreement required in this regard.

2. I/We have understood the Instructions to Tenderers and General Conditions of Contract governing such contracts placed by Indian Council of Agricultural Research and its Research Institutes and the Special Conditions of Contract, and have thoroughly examined the details indicated in the Schedule to Tender thereof and am/are fully aware of the goods and/or services required and my/our offer to work/supply/provide the goods and/or services strictly is in accordance with the requirements.

3. D.D.No. _____ Dt. _____ for Rs. _____ (in words) Rupees _____ only) drawn on (Bank) _____ is enclosed towards Earnest Money Deposit.

Yours faithfully,

Signature: _____

Name: _____

Address: _____

(Company's seal)