



Tender Document No.: ARIES/ATMOSPHERIC SCIENCE/ARC/GAS CYLINDERS/2024-25/1373 Dated 04.03.2025

Tender (E- Procurement MODE)

Subject: Supply of Calibration gas mixture VOC at ARIES, Manora Peak, Nainital.

Online bids are invited under two bid system for award of supply for calibration gas mixture VOC at ARIES, Manora Peak, Nainital. The specific details of the online tender indicated in Annexure –A of this document. Manual bids shall not be accepted.

Tender document may be downloaded from ARIES website: https://www.aries.res.in (for reference only) as per the schedule given as under:-

Date of Publishing on GeM	05.03.2025
Document downloaded Start Date from	05.03.2025
website (https://www.aries.res.in)	
Earnest Money Deposit @3% (As per GFR	Rs.10500/- (Rupees Ten thousand five
2017, Rule 170 (i) & OM No. F.20/2/2014-	hundred only)
PPD(Pt.),dated 25/07/2017)	
Performance Bank Guarantee @5% (As	Rs.17500/- (Rupees Seventeen thousand
per the GFR Rule 171 (i) & OM No.	five hundred only)
F.01/2/2023-PPD, dated 01.01.2024)	
Estimated Value of the bid	Rs.3,50,000/- (Rupees Three lakhs fifty
	thousand only)
Online Submission of EMD	Eligible vendors may deposit EMD
	through IMPS/ NEFT/RTGS in Director,
	ARIES, Bank Account No. 10860840253
	IFSC Code- SBIN0000687
	State Bank of India, Mallital, Nainital





Annexure- 'A'

Background:

<u>Aryabhatta Research Institute of observational sciences</u> (acronym for ARIES; http://www.aries.res.in) is an autonomous research institute under the Department of Science and Technology (DST), Government of India. ARIES is on a hilly terrain called Manora Peak, near the beautiful lake city of Nainital located in Uttarakhand State in the Central Gangetic Himalayan region. The institute is carrying out fundamental research in the various fields of Atmospheric Science, Astronomy & Astrophysics and Solar physics.

A. Details:

Name of the Purchaser:

The Director,

Aryabhatta Research Institute of Observational Sciences (ARIES), Manora Peak, Nainital -263 001, Uttarakhand

B. Subject and Brief Scope of Work:

1. Supply of Calibration mixture of VOC Gases:

Calibration gas mixture should contain following gas, with each of 50 ppbv mixing ratios: Benzene, Ethylbenzene, m- xylene, o-xylene, p-xylene, toluene, ethylene, acetylene, ethane, propylene, propane, iso-butane, n-butane, iso-pentane, n-pentane, n-hexane, i-hexane, Styrene, Isoprene, 1-Butene, cis-2-Butene, trans-2-Butene, 1-pentene, trans-2-pentene, cis-2-pentene, Cyclohexane, 2-methyl hexane, 2,3-dimethylpentane, n-heptane, 2-methylheptane, 3-methylheptane, n-octane, 1,3-butadiene, Propyne, cyclopropane, cyclopentane. • Actual value of all the species with error/deviations needs to be given. • Balance Gas: Nitrogen, • Cylinder Volume: 10 Liters Water Capacity, • Cylinder Pressure: 130-150 Kg/Cm2, • Cylinder martial: Aluminum. • The vendor should have experience supplying to at least 3 government research institutes or university for gas chromatography operation in the last five years.





C. **Product Utilization:**

The products are being purchased for research purposes. The components are required to satisfy all specifications mentioned in this document.

D. Contact person for administrative queries and information:

Registrar,

Aryabhatta Research Institute of Observational Sciences,

Manora Peak, Nainital - 263 001, Uttarakhand, India

Tel: +91-(5942) – 270729, Email: - <u>registrar@aries.res.in</u>

Website: http://www.aries.res.in

E. Contact person for technical queries and information about the items:

Mr. Nitin Pal and Dr. Manish Kumar Naja

Aryabhatta Research Institute of Observational Sciences,

Manora Peak, Nainital - 263 001, Uttarakhand, India

Tel: +91-(5942) – 270738, 270813, 270720

Email: - manish@aries.res.in, nitinpal@aries.res.in

F. **Technical Bid**: To qualify in the Technical bid, the firm should have the minimum eligibility criteria as under and the firm in this regard must submit the following documents in support of their eligibility criteria – Check list of document (Technical Bid)





- **a.** Specify your firm/company is a manufacturer/ authorized dealer/ distributor/ Agency(Attach attested copy)
- **b.** Bid security(EMD) as specified in the NIT
- c. EMD details has to be submitted at ARIES office.
- d. Copy of turnover certificate/income tax return (ITR) filed acknowledgements for last 03 years
- e. Check list of document (Appendix-I) submitted.
- **f.** Technical specification/datasheet/brochure in support of compliance statement (Appendix II)
- **g.** Acceptance letter (Appendix -III)
- **h.** Delivery schedule.
- i. Warranty details.
- j. The bidders should not have been suspended or blacklisted by any Govt. Organization (An undertaking to this effect must be submitted by the bidder that the firm has not been suspended or blacklisted by any Govt. Organization on company letter Head.(Appendix -IV)
- k. Declaration as per Appendix -V
- I. Self-Certificate for Local Content (Appendix -VI)
- m. Proforma for Tender Specific Authorization or OEM (Appendix -VII)
- **n.** Bid security declaration from bidders as per GFR 170 (iii) (Appendix -VIII)

Note: No price information shall be mentioned in technical bid otherwise the entire bid shall be rejected.

Instruction to seller/bidder: Seller/bidder is advised to visit (on any working day) and examine the installation site and its requirement and obtain for itself on its own responsibility all information that may be necessary for preparing the bid before bidding. Bidders are be also required to fully understand the job and ascertain the difficulties that may be encountered during execution of installation work. All costs of visiting the site shall be borne by the seller/Bidder.

The Bidder shall not be entitled to hold any claim against Buyer for noncompliance due to lack of any kind of pre-requisite information as it is the sole responsibility of the Seller/ Bidder to obtain all the necessary information with regards to site, surrounding, working conditions, weather etc. on its own before submission of the bid.

G. General instruction for price bid:

The Prices quoted should be inclusive of all taxes or duties etc. at destination site (ARIES, Nainital). The rates shall be firm and final. Nothing extra shall be paid on any account. GST charges should clearly be mentioned in price bid.

H. Other terms and conditions of the tender:

- **a. Delivery:** Within 90 Days from the date of receipt of the Purchase Order.
- **b. Insurance:** Transit insurance covering all risk for all the items is to be arranged by the supplier.





- **c.** Validity: The bid should be valid for acceptance up to a period of 120 Days. The Bidders should be ready to extend the validity, if required without any additional financial implications.
- **d. Warranty/Guarantee: -**The offer should clearly specify the warranty or guarantee period for both the items as mentioned in clause 'B'.
- **e. Transportation of Goods:** The Supplier will arrange transportation of the ordered goods as per its own procedure upto ARIES, Manora Peak, Nainital.
- f. Submission of PBG: Within 30 days of the receipt of the notification of award of the contract from ARIES, the successful Bidder shall furnish the Contract Performance bank guarantee of Rs.32500/- (Rupees Thirty two thousand five hundred only) in accordance with GFR Rule 171 (i) & OM No. F.01/2/2023-PPD, dated 01.01.2024. The PBG shall be in the form of either bank guarantee, Demand Draft (DD), online banking transaction, Fixed Deposit Receipt, Banker's Cheque to be dominated in the currency of contract for the amount as applicable. In this regard, the PBG will be released beyond 2 months after completion of warranty period.

g. Terms of Payment:-

- 1. No advance payment against proforma invoice will be made.
- 2. The payment may be released after receipt, testing and approval of materials normally within 30 days.
- h. If the item(s) is/are not delivered within the stipulated time frame, ARIES reserves the right to levy a penalty (LD) for delay in delivery of material. This penalty shall be @ 0.5 % of Purchase Order value per week of delay in deliveries/ execution of the order successfully, subject to maximum of 10% of the order value. Part of the week shall be considered as full week. ARIES may cancel the order in case the delay is more than 5 weeks with forfeiture of EMD/Security Deposit.
- i. Any disputes, legal action/matters, arising out of/ resulting from/related or incident to the tender /quotation/Purchase order/invoices/delivery/payments shall be subject to the exclusive jurisdiction of the courts at Nainital. Laws of India shall govern this tender as well as any or all transactions /documents/deeds/actions/PO arising out of/ resulting from this tender.
- **j.** The Bank/RTGS details must be submitted along with the quotation/Tenders on the letter head.
- **k.** Language of the Bid proposal: The language of the bid proposal as prepared by the bidders should be in English.

I. REJECTION OF STORES:

Rejected stores will remain at the ARIES store at the vendor's risk and responsibility. If instructions for their taking away are not received from the vendor within a period of 14 days from the date of receipt of the advice or rejection, the institute has the right to dispose off such items as per its discretion.

m. Prices should be quoted on F.O.R. ARIES, Manora Peak, Nainital basis only.





- **n. Institute's Rights**: Director, ARIES reserves the right to accept or reject any or all the bids without assigning any reason thereof.
- o. Force Majeure: If the performance of the obligation of either party is rendered commercially impossibly by any of the events mentioned below the said party shall submit a notice within 15 days from the date of such an event in writing to the other party.
 - i) Government regulation; ii) Legislation; iii) Natural disasters; iv) Strike; v) Lock out; vi) Act of God.

I. PREFERENCE TO "MSEs":

ARIES complies with Public Procurement Policy for **Micro and Small Enterprises (MSEs) Order, 2012**. Purchase preference shall be given to MSEs in all procurements undertaken by ARIES in the manner specified as below:

- In case of splitable or dividable, etc., MSEs quoting price within price band L-1 + 15%, when L1 is from someone other than MSEs, shall be allowed to supply at least 25% of tendered value at L-1 subject to lowering of price by MSEs to L-1.
- In case of non-splitable or non-dividable etc., MSEs quoting price within price band L-1 + 15% may be awarded for full/complete supply of total tendered value to MSEs, considering spirit of policy for enhancing the Govt. Procurement from MSEs.

J. Preference to "Make In India"

ARIES complies with Public Procurement Policy preference to Make in India vide order 2017 dated 19 July, 2024, issued by Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Govt. of India. Purchase preference shall be given to local suppliers in all procurements undertaken by ARIES in the manner specified in the said order.





Appendix-I

K. Check list of document (Technical Bid)

Sr. No	Check list of documents/ undertakings	Compliance Yes/No.	Reference, Page No
1	Name of the firm/company/proprietary concern registered		
2	Address of registered office		
3	Address of the Authorized service center		
4	Telephone Nos./Fax/E-mail		
5	Specify your firm/company is a manufacturer/ authorized dealer/ distributor/ Agency(Attach attested copy)		
6	MSEs/NISC certificate (Attach attested copy)		
7	EMD details/ bid security declaration		
8	Copy of turnover certificate/Income Tax Return Filed Acknowledgements for last Three years.		
9	Original Technical Catalogue of the quoted model (enclose) in support with Annexure-II		
10	Accepted for all terms & conditions as per tender document		
11	Technical specification and compliance statement as per the tender document in Annexure-II.		
12	Tender Acceptance Letter as per the tender document in Annexure-III.		
13	The bidders should not have been suspended or blacklisted by any Govt. Organization (An undertaking to this effect must be submitted by the bidder that the firm has not been suspended or blacklisted by any Govt. Organization on company letter Head. (IV)		
14	Declaration Certificate as per the tender document in Annexure-V.		
15	Procurement (Preference of Make in India) Verification of Local Content self- certification as the case may be. Refer clause 'R', Annexure-VI		
16	Proforma for Tender Specific Authorization or OEM, Annexure-VII		

(Signature of Authorized Person)

Designation:	

Name:

Name of Firm/Company/Agency:





Appendix -II

L. Technical Specification and compliance statement

1. Supply of Calibration mixture of VOC Gases:

Calibration gas mixture should contain following gas, with each of 50 ppbv mixing ratios: Benzene, Ethylbenzene, m- xylene, o-xylene, p-xylene, toluene, ethylene, acetylene, ethane, propylene, propane, iso-butane, n-butane, iso-pentane, n-pentane, n-hexane, i-hexane, Styrene, Isoprene, 1-Butene, cis-2-Butene, trans-2-Butene, 1-pentene, trans-2-pentene, cis-2-pentene, Cyclohexane, 2-methyl hexane, 2,3-dimethylpentane, n-heptane, 2-methylheptane, 3-methylheptane, n-octane, 1,3-butadiene, Propyne, cyclopropane, cyclopentane. • Actual value of all the species with error/deviations needs to be given. • Balance Gas: Nitrogen, • Cylinder Volume: 10 Liters Water Capacity, • Cylinder Pressure: 130-150 Kg/Cm2, • Cylinder martial: Aluminum. • The vendor should have experience supplying to at least 3 government research institutes or university for gas chromatography operation in the last five years.

(Signature of Authorized Person)

Name:

Designation:

Name of Firm/Company/Agency:

Contact Details

Specifications for Calibration mixture of VOC Gases:

Calibration gas mixture should contain following gas, with each of 50 ppbv mixing ratios: Benzene, Ethylbenzene, m- xylene, o-xylene, p-xylene, toluene, ethylene, acetylene, ethane, propylene, propane, iso-butane, n-butane, iso-pentane, n-pentane, n-hexane, i-hexane, Styrene, Isoprene, 1-Butene, cis-2-Butene, trans-2-Butene, 1-pentene, trans-2-pentene, cis-2-pentene, Cyclohexane, 2-methyl hexane, 2,3-dimethylpentane, n-heptane, 2-methylheptane, 3-methylheptane, n-octane, 1,3-butadiene, Propyne, cyclopropane, cyclopentane. • Actual value of all the species with error/deviations needs to be given. • Balance Gas: Nitrogen, • Cylinder Volume: 10 Liters Water Capacity, • Cylinder Pressure: 130-150 Kg/Cm2, • Cylinder martial: Aluminum. • The vendor should have experience supplying to at least 3 government research institutes or university for gas chromatography operation in the last five years





INTENT OF SPECIFICATION

The specification is intended to cover design, manufacture, assembly, testing at manufacturer's works, supply & delivery, properly packed for transport FOR site of one (1) no. Calibration mixture of VOC. the item with all accessories and satisfactory, trouble-free operation / handing over to the Owner. The equipments shall be fully compliant with the specifications mentioned.

SCOPE OF WORK:

Supply of Calibration mixture of VOC Gases:

Calibration gas mixture should contain following gas, with each of 50 ppbv mixing ratios: Benzene, Ethylbenzene, m- xylene, o-xylene, p-xylene, toluene, ethylene, acetylene, ethane, propylene, propane, iso-butane, n-butane, iso-pentane, n-pentane, n-hexane, i-hexane, Styrene, Isoprene, 1-Butene, cis-2-Butene, trans-2-Butene, 1-pentene, trans-2-pentene, cis-2-pentene, Cyclohexane, 2-methyl hexane, 2,3-dimethylpentane, n-heptane, 2-methylheptane, 3-methylheptane, n-octane, 1,3-butadiene, Propyne, cyclopropane, cyclopentane. • Actual value of all the species with error/deviations needs to be given. • Balance Gas: Nitrogen, • Cylinder Volume: 10 Liters Water Capacity, • Cylinder Pressure: 130-150 Kg/Cm2, • Cylinder martial: Aluminum. • The vendor should have experience supplying to at least 3 government research institutes or university for gas chromatography operation in the last five years





आर्यभट्ट प्रेक्षण विज्ञान शोध संस्थान Aryabhatta Research Institute of Observational Sciences (An Autonomous Institute under DST, Goyt, of India)



TECHNICAL REQUIREMENT:

Supply of Calibration mixture of VOC Gases:

Calibration gas mixture should contain following gas, with each of 50 ppbv mixing ratios: Benzene, Ethylbenzene, m- xylene, o-xylene, p-xylene, toluene, ethylene, acetylene, ethane, propylene, propane, iso-butane, n-butane, iso-pentane, n-pentane, n-hexane, i-hexane, Styrene, Isoprene, 1-Butene, cis-2-Butene, trans-2-Butene, 1-pentene, trans-2-pentene, cis-2-pentene, Cyclohexane, 2-methyl hexane, 2,3-dimethylpentane, n-heptane, 2-methylheptane, 3-methylheptane, n-octane, 1,3-butadiene, Propyne, cyclopropane, cyclopentane. • Actual value of all the species with error/deviations needs to be given. • Balance Gas: Nitrogen, • Cylinder Volume: 10 Liters Water Capacity, • Cylinder Pressure: 130-150 Kg/Cm2, • Cylinder martial: Aluminum. • The vendor should have experience supplying to at least 3 government research institutes or university for gas chromatography operation in the last five years





(Signature of Authorized Person)

Name:

Designation:

Name of Firm/Company/Agency:

Contact Details





Appendix -III

Date:

b) TENDER ACCEPTANCE LETTER

(To be given on Company Letter Head)

To,	
The Director, ARIES, Manora Peak, Nainital -263001	
Sub: Acceptance of Terms & Conditions of Tender.	
Tender Reference No:	
Name of Tender / Work: -	
Dear Sir,	
 I/ We have submitted online tender document(s) for the above mentioned Tender/Work' from the web site(s) namely: 	
as per your advertisement, given in the above mentioned website(s).	
2.I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No to (including all documents like annexure(s), schedule(s), etc,), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.	
3. The corrigendum(s) issued from time to time by your department/ organizations too have also been taken into consideration, while submitting this acceptance letter.	
4.1 / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.	
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.	
6. I / We certify that all information furnished by the our firm is true & correct and in the event	

that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

of the full said earnest money deposit absolutely.





Appendix -IV

c) UNDERTAKING REGARDING BLACKLISTING

(To be given on Company Letter Head)	Data
To,	Date:
The Director, ARIES, Manora Peak, Nainital -263001	
Sub: Undertaking Regarding Blacklisting.	
Tender Reference No:	
Name of Tender / Work: -	
We hereby confirm and declare that we, M/sblacklisted/ De-registered/ debarred by any Government department	ent/Public Sector
Undertaking/ Private Sector/ or any other agency for which we have Execute works/ Services.	cuted/ Undertaker
ForAuthorised Signatory	
Date:	





Appendix -V

d) DECLARATION

(To be given on Company Letter Head)

From:	-	
	M/s	
То		
	The Director,	
	ARIES,Nainital-263 001.	
	Uttarakhand.	
1. Shri_agenc	I,SoProprietor/Direcy/Firm, mentioned above, is competent to sign this de	ctor authorized signatory of the
docum	•	
2. under	I have carefully read and understood all the terms at take to abide by them;	and conditions of the tender and
furnish	The information / documents furnished along with the ntic to the best of my knowledge and belief. I / we, are ning of any false information / fabricated document we stage besides liabilities towards prosecution under a	m / are well aware of the fact that ould lead to rejection of my tender
Gover the Di days, Direct	I/We further undertake that none of the Propey/agency was or is Proprietor or Partner or Director nment have banned /suspended business dealings. In rector, ARIES, Nainital immediately after we are informed if any Agency in which Proprietor/Partners/Director of such an Agency, which is banned/suspended in act with you.	or of any Agency with whom the We further undertake to report to rmed but in any case not later 15 ors are Proprietor or Partner or
		Yours faithfully,
		(Signature of the Bidder)
Date:		Name:
Place:	•	Designation
Seal c	of the Agency	Address:





Appendix - VI

e) Format for Self-Certificate for Local Content (TO BE SUBMITTED AS A PART OF TECHNICAL BID)

The Director Aryabhatta Research Institute of observational sciencES (ARIES), Manora Peak, Nainital 263001, Uttarakhand, INDIA
Sub: Self-Certificate for Local Content Tender Ref. No Tender ID:
* I / We(Name of the Bidder) hereby confirm in respect of quoted item(s) that Local Content is equal to or more than 50% and come under 'Class-I Local Supplier' Category. As being 'Class-I Local Supplier', we are eligible for Purchase Preference under 'Make in India' Policy Vide Govt Order No. P-45021/2/2017-PP (BE-II) dated 16 Sept 2020.
OR
** I / We(Name of the Bidder) hereby confirm in respect of quoted item(s) that Local Content is equal to or more than 20% but less than 50% and come under 'Class -II Local Supplier' Category.
OR
*** I / We(Name of the Bidder) hereby confirm in respect of quoted item(s) that Local Content is less than 20% and come under 'Non-local supplier' Category.
The details of the location(s) at which the local value addition made is/are as under: 1
*** Applicable for 'Non-local supplier' Category
Yours faithfully,
(Signature & Seal of the Authorized Signatory of Bidder)
Name and Designation of Authorized Signatory:
Name of Firm/Company:
Place:
Date





Appendix - VII

f) Proforma for Manufacturer's Authorization or Tender Specific Authorization

(This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer.)

То

The Director Aryabhatta Research Institute of observational sciencES (ARIES), Manora Peak, Nainital 263001, Uttarakhand, INDIA

Subject: Manufa	acturer Authorization Letter or Tender Specific Authorization
With reference to	othe GeM Bid No
	(manufacturer name) having our office at(Manufacturer address), authorizes
(System Integrat	or name and address), our system Integrator in India, to quote and following equipment manufactured by us:
1.	
2.	
comprehensive confirm that the \	that the products quoted are standards based and our standard OEM warranty support shall be available for 2 years on equipment. We Varranty/Support for the products shall be to ARIES irrespective of the ystem Integrator.
	that the products offered are currently available in the market and shall e at least for Ten Years. The products will be supplied without any cations.
For customer ser	vice support our dedicated toll free number for 24x7 days is
Yours faithfully,	
(Signature & Sea	al of the Authorized Signatory of Manufacturer)
Name and Desig	nation of Authorized Signatory:
Name of the Ma	nufacturers
Place:	
Date:	





Appendix - VIII

BID SECURITY DECLARATION FROM BIDDERS AS PER GFR 170 (iii)

(To be given on Company Letter Head)

Date

I / We, (the authorized signatory of firm), participating in the subject tender No, participating in the subject tender
(1) That I / we have availed the benefit of waiver of EMD while submitting our offer against the subject tender and no EMD being deposited for the said tender.
(2) That in the event we withdraw / modify our bid during the period of validity or I / we fail to execute formal contract agreement within the given timeline or I / we fail to submit a Performance Security within the given timeline or I / we commit any breach of Tender Conditions / Contract which attracts penal action of forfeiture of EMD and I / we will be suspended from being eligible for bidding / award of all future contract(s) of ARIES NAINITAL for a period of three year from the date of committing such breach.
Yours sincerely, (Signature of the Bidder, with Official Seal)



To,



Appendix - IX

g) BANK GUARANTEE FORMAT FOR PERFORMANCE SECURITY

The Director Aryabhatta Research Institute of observational sciencES (ARIES), Manora Peak, Nainital 263001, Uttarakhand, INDIA
WHEREAS
AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract; AND WHEREAS we have agreed to give the supplier such a bank guarantee; NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of
guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein. We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand. We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive
notice of any such change, addition or modification. This guarantee shall be valid until the day of, 20
(Signature of the authorized officer of the Bank)
Name and designation of the officer

Seal, name & address of the Bank and address of the Branch