

INDIAN INSTITUTE OF TECHNOLOGY MADRAS Chennai 600 036

Telephone: [044] 2257 9763 E-mail: tender@imail.iitm.ac.in



The Senior Manager (Project Purchase)

Date: 27.05.2024

Open Tender Reference No: CE/SACG/025/2024/AIRPOLMON

GEM NAR ID: GEM/GARPTS/20052024/IDNZLZ28UOM0

Due Date/Time: 18.06.2024@ 3:00 PM

Dear Sir/Madam,

On behalf of the Indian Institute of Technology Madras, digitally signed online bids are invited in two bid system from Class-I Local Suppliers and Class II Local Suppliers, for the supply of: "**Air Pollutant Monitoring System**" Conforming to the specifications given in **Annexure -A**.

Tender Documents may be downloaded from Central Public Procurement Portal <u>https://etenders.gov.in/eprocure/app</u>. Aspiring Bidders who have not enrolled / registered in e-procurement should enroll / register before participating through the website <u>https://etenders.gov.in/eprocure/app</u>. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at **"Help for Vendors"**. [Special Instructions to the Vendors / Bidders for the e-submission of the bids online through this eProcurement Portal"]

Bidders can access tender documents on the website (For searching in the NIC site, kindly go to Tender Search option and type 'IIT Madras'. Thereafter, click on "GO" button to view all IIT Madras tenders). Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website <u>https://etenders.gov.in/eprocure/app</u> as per the schedule attached.

<u>No manual bids will be accepted.</u> All tender documents including Technical and Financial bids should be submitted in the E-procurement portal.

1)	Pre-bid Meeting Details	:	If required will be intimated
2)	ICSR Vendor Registration	:	 <u>Vendor registration:</u> Vendor registration with IC&SR (IITM) is mandatory for bidders to participate in tenders. ** <u>For Vendor Registration & Guidelines, Please follow the website</u> : <u>https://icandsr.iitm.ac.in/vendorportal;</u>
			Helpdesk: <u>vendorhelpdesk@icsrpis.iitm.ac.in</u>

Last date for receipt of tender Date & time of opening of tender		18.06.2024@ 3:00 PM
		19.06.2024@ 3:00 PM

<u>3. Instructions to the Bidder:</u>

	r –	
Searching for tender documents	:	• There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
		• Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective "My Tender" folder. This would enable the CPP Portal to intimate the bidders through SMS / email in case there is any corrigendum issued to the tender document.
		• The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.
Assistance to bidders	:	 Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is [0120-4200462, 0120-4001002, 0120-4001005]
Enrollment Process	:	REGISTRATION
to Bidders	•	 Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal <u>URL:https://etenders.gov.in/eprocure/app</u> by clicking on "Online Bidder Enrollment". Enrollment on the CPP Portal is free of charge. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
	Assistance to bidders Enrollment Process	documentsAssistance to biddersEnrollmentProcess:

			entering their user ID / password and the password of the DSC /
			 Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through https://etenders.gov.in/eprocure/app Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site https://etenders.gov.in/eprocure/app under the "Information about DSC".
D)	Preparation of bids	:	• Bidder should take into account any corrigendum published on the tender document before submitting their bids.
			• Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
			• Bidder, in advance, should prepare the bid documents to be submitted as indicated in the tender document / schedule and generally shall be in PDF / XLS formats as the case may be. Bid documents may be scanned with 100 dpi with black and white option.
			• To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, GSTIN Details, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Documents " area available to them to upload such documents. These documents may be directly submitted from the "My Documents " area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.
E)	Submission of bids	:	• Bidder should log into the site well in advance for bid submission so that he/she can upload the bid in time i.e. on or before the bid submission date and time. Bidder will be responsible for any delay due to other issues.
			• The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
			• Bidder has to select the bid security declaration. Otherwise, the tender will be summarily rejected.
			• A standard BOQ format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BOQ file, open it and complete the detail with their respective financial quotes and other details (such as

		name of the bidder). If the BOQ file is found to be modified by the
		bidder, the bid will be rejected.
		• The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
		• The Tender Inviting Authority (TIA) will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders due to local issues.
		• The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
		• Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
		 Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet. More information useful for submitting online bids on the CPP Portal may be obtained at: <u>https://etenders.gov.in/eprocure/app</u>. All tender documents including pre-qualification bid, Technical Bid &Financial Bid should be submitted separately in online CPP portal as per the specified format only. Right is reserved to ignore any tender which fails to comply with the above instructions. No manual bid submission will be entertained.
F)	Marking on Technical Bid	• The bidder eligibility criteria, technical specification and supply of item for this tender is given in Annexure A.
		• The Bidders shall go through the specification and submit the technical bid.
		• The Technical bid should be submitted in the proforma as per Annexure-B in pdf format only through online (e-tender). No manual submission of bid will be entertained.
		• The technical bid should have a page-wise heading as "Technical Bid" and page no. in all pages with seal and signature of authorized signatory. The total no. of pages should be mentioned at the last page of the documents.
		• The technical bid should consist of bidder eligibility criteria details and all technical details along with catalogue/ pamphlet which will give a detailed description of product with technical data sheet so that technical compliance can be verified.
G)	Marking on Price Bid	• Financial bid (BoQ) should be submitted in the prescribed proforma format as per Annexure-C in xls format through e-tender only. No manual or other form of submission of Financial Bid will be entertained

4)	 Preparation of Tender: The bidders should submit the bids in two bid system as detailed below. Bid I _Technical Bid The technical bid should consist of bidder eligibility criteria and technical specification compliance sheet as per the Technical Bid Proforma (Annexure-B). Bid II _Price Bid 					
	The price bid should be submitted in the Tabular format (BoQ) as per the Financial Bid Proforma (Annexure -C) uploaded in the e-Tender web site. The Quoted price should be for supply and installation of the item and inclusive of all cost and statutory levies at IIT Madras.					
5)	Price:					
	 a) The price should be quoted only in INR net per unit (after breakup) and must include all packing, transit insurance and delivery charges to the Department of Civil Engineering, IIT Madras. 					
	b) The rate quoted shall be all inclusive of all taxes and no extra payment will be made other than statutory revisions as per the terms and conditions stipulated in this contract document.					
	c) The percentage of tax & duties should be clearly indicated separately. IIT Madras is eligible for custom duty at a concessional rate, i.e., 5.5%. Relevant certificates will be issued by IIT Madras wherever necessary.					
	d) The offer/bids should be submitted through online only in two bid system i.e. Technical Bid and Financial Bid separately.					
6)	Tenderer shall submit along with this tender:					
	(i) Proof of having ISO or other equivalent certification given by appropriate authorities.					
	(ii) Name and full address of the Banker and their swift code and PAN No. and GSTIN number.					
	(iii) GST registration proof showing registration number, area of registration etc.					
	 (iv) All of your future correspondences including Invoices should bear the GST No. and Area Code. 					
7)	Terms of Delivery:					
	Supplier will be fully responsible for the safe carriage, Installation/Commissioning of goods up to the Department of Civil Engineering, IIT Madras , or named place as per PO, Insurance coverage will be in the scope of the supplier.					
	The tenderer should indicate clearly the time required for delivery of the item (subject to the approval of the Exclusive Purchase Committee-IIT-Madras). In case there is any deviation in the delivery schedule, liquidated damages clause will be enforced or penalty for the delayed supply period will be levied.					
	In the event of delay or non-supply of materials/execution of Contract beyond the date of delivery/completion of job. The penalty will be levied @1% per week of delay subject to a max of 10% of the value of purchase order and if the delay is more than accepted time frame by IIT M, the PO would be partially or fully cancelled and liquidated damages will be enforced accordingly.					
8)	Period for which the offer will remain open:					
	The offer shall remain valid for 120 days from the date of opening of the tender. However, the day up to which the offer is to remain valid being declared closed holiday for the Indian Institute of Technology Madras, the offer shall remain valid for acceptance till the next working day.					

9)	EMD: The EMD of Rs.1,20,000 to be transferred to the account details mentioned in Annexure I and proof should be enclosed in the Technical Bid. Any offer not accompanied with the EMD shall be rejected summarily as non-responsive. As per rule no. 5.1.4 (vi) of the Manual of Procurement of Goods, no bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity. Withdrawal of a bid during this period will result in forfeiture of the bidder's bid security (EMD) and other sanctions.				
	The Institute shall not be liable for payment of any interest on EMD.				
	As per the Public Procurement Policy for MSEs, Order 2012 dated 25.03.2022, EMD is exempted for Micro and Small Enterprises (MSE) as defined in MSE Procurement Policy issued by the Department of Micro, Small and Medium Enterprises (MSME) and Startups as recognized by the Department of Industrial Policy & Promotion (DIPP). (MSE/MSME/DIPP PROOF should be enclosed in the cover containing the technical bid) Any vendor furnishing MSME (Trading) certificate is not eligible for EMD Exemption and as well not entitled for any relaxation in the tender conditions.				
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10)	Performance Security: -				
	The successful bidder should submit Performance Security for an amount of 5% of the basic invoice value of the contract/supply. The Performance Security may be furnished in the form of an Insurance Surety Bond, Account Payee DD, FD Receipt in the name of "The Registrar, IIT Madras" from any scheduled commercial bank or Bank Guarantee from any scheduled commercial bank in India or online payment in an acceptable form. The performance security should be furnished within 14 days from the date of the purchase order.				
	Performance Security in the form of Bank Guarantee: - In case the successful bidder wishes to submit Performance Security in the form of Bank Guarantee, the Bank Guarantee should be routed directly to IIT Madras from the Bank.				
	The Performance Security Deposit should remain valid for a period of sixty days beyond the date of completion of all contractual obligations.				
11)	For the same tender, either the OEM or the authorized dealer/service provider can only quote. But both of them cannot quote separately for the same tender.				
12)	The offers/bids should be submitted only for an item/Equipment of the exact standard that is acceptable to IIT Madras without Prejudice. The details of a list of customers in India for whom the item is already supplied with must accompany the quotations. Quotations for a prototype machine will not be accepted				
13)	Original catalogue (not any photocopy) of the quoted model duly signed by the principals mu accompany the quotation in the technical bid.				
14)	Compliance or Confirmation report with reference to the specifications and other terms & conditions should also be obtained from the principal/OEM.				
15)	Risk Purchase Clause				
	In the event of failure of contractual obligation during the schedule, the Office of Industrial Consultancy and Sponsored Research, Indian Institute of Technology Madras has all the right to engage other sources on the total risk of the sanctioned vendor under risk purchase clause.				

16)	Payment:
	(i) As per GFR 2017 Terms: 90% Payment after supply and 10% after installation are agreed to wherever the installation is involved.
	(ii) Advance Payment: No advance payment is generally admissible. In case a specific percentage of advance payment (not more than 30%) is required, the Vendor has to submit a Bank Guarantee from a scheduled commercial bank in India equivalent to the amount of advance payment.
17)	On-site Installation:
	The equipment/item or Machinery has to be installed or commissioned by the successful bidder within the number of days (as prescribed by PI) from the date of receipt of the item at the site of IIT Madras.
18)	Warranty:
	The offer should clearly specify the warranty period for the machinery/equipment. Any extended warranty offered for the same has to be mentioned separately (For more details please refer our Technical Specifications).
	** Note: PO which involves installation, warranty shall be applicable from date of installation.
19)	Acceptance and Rejection:
	Failure to comply with any of the instructions stated in this document or offering unsatisfactory explanations for non-compliance will likely to lead to rejection of offers.
	I.I.T. Madras has the right to accept the whole or any part of the Tender or portion of the quantity offered or reject it in full without assigning any reason.
20)	Debarment from Bidding:
	In case of breach of Terms & Conditions, Bidder may be suspended from being eligible for bidding in any contract with the IIT Madras up to 2 Years [as per Rule 151(iii) of GFR] from the date as fixed by IIT Madras.
21)	Disputes and Jurisdiction:
	 Settlement of Disputes: Any dispute, controversy or claim arising out of or in connection with this PO including any question regarding its existence, validity, breach or termination, shall in the first instance be attempted to be resolved amicably by both the Parties. If attempts for such amicable resolution fails or no decision is reached within 30 days whichever is earlier, then such disputes shall be settled by arbitration in accordance with the Arbitration and Conciliation Act, 1996. Unless the Parties agree on a sole arbitrator, within 30 days from the receipt of a written request by one Party from the other Party to so agree, the arbitral panel shall comprise of three arbitrators. In that event, the supplier will nominate one arbitrator and the Project Coordinator of IITM shall nominate on arbitrator. The Dean IC&SR will nominate the Presiding Arbitrator of the arbitral tribunal. The arbitration proceeding shall be carried out in English language. The cost of arbitration and fees of the arbitrator(s) shall be shared equally by the Parties. The seat of arbitration shall be at IC&SR IIT Madras, Chennai. a. The Applicable Law: The Purchase Order shall be construed, interpreted and governed by the Laws of India. Court at Chennai shall have exclusive jurisdiction subject to the arbitration clause. b. Any legal disputes arising out of any breach of contact pertaining to this tender shall be settled in
	the court of competent jurisdiction located within the city of Chennai in Tamil Nadu.

22)	Force Majeure: The Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
	For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
	If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
23)	Eligibility Criteria:
	As per the Government of India Order, only "Class - I Local Suppliers" and "Class - II Local Suppliers" can participate in this tender.
	Bidder should confirm their acceptance that they comply with the provisions with report to "Guidelines for eligibility of a bidder from a country which shares a land border with India as detailed at Annexure-E. The bidder should submit Certificate for "Bidder from/ Not from Country sharing Land border with India & Registration of Bidder with Competent Authority" as per Order of DoE F.No.6/18/2019-PPD dated 23.07.2020 and No.F.7/10/2021-PPD(1) dated 23.02.2023 and No.F.7/10/2021-PPD(1) dated 23.02.2023.
	Any vendor furnishing MSME (Trading) certificate is not eligible for EMD Exemption and as well not entitled for any relaxation in the tender conditions.
24)	 Preference to "class I Local Suppliers": preference will be given to "class 1 local suppliers" (subject to class -I local supplier's quoted price falling within the margin of purchase preference) as per public procurement (preference to make in India) order 2017 .O.M No P- 45021/2/2017 – pp(BE - 11) dt 04/06/2020 subject to the conditions that the "class 1 Local Supplier" should agree to supply goods / provide service at L1 rate and furnish a certificate with the technical bid document that the goods/service provided by them consists local content equal to or more than 50%.(certificate from Chartered Accountant in case value of contract exceeds Rs 10 crore). 'Class - I local supplier' means a supplier or service provider whose goods, services or works offered for procurement consists of local content equal to or more than 50% as defined under the above said order. Declaration to be provided as per Annexure-D per item/service/work. 'Class - II local supplier' means a supplier or service provider whose goods, services or works offered for procurement consists of local content equal to 20% but less than 50% as defined under the above said order. Declaration to be provided as per Annexure-D per item/service/work. 'Class - II local supplier' means a supplier or service provider whose goods, services or works offered for procurement consists of local content equal to 20% but less than 50% as defined under the above said order. Declaration to be provided as per Annexure-D per item/service/work. 'Margin of purchase preference': - The margin of purchase preference shall be 20%. The Definition of the margin of purchase preference is defined in the Govt. of India Order No: P-45021/12/2017-PP (BE-II) Dt.4th June, 2020) Order 2017. As per the Government of India Order – "Margin of Purchase Preference" means the maximum extent to which the price quoted by a "Class-I local supplier" may be above the L1 for the purpose of purchase preference.

	**Note: Local content percentage to be calculated in accordance with the definition provided at
	clause 2 of revised public procurement preference to Make in India Policy vide GoI Order no. P-
	45021/2/2017-PP (B.EII) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018,
	29.05.2019and 04.06.2020) MOCI order No. 45021/2/2017-PP (BE II) Dt.16th September 2020 & P-
	45021/102/2019-BE-II-Part(1) (E-50310) Dt.4th March 2021
25)	Evaluation of Bids
	Bid evaluation will take place in two stages.
	Stage I Technical Bid evaluation
	All bids received within due date and time will be opened for technical evaluation as per scheduled time.
	All bidders who have fully complied with bidder eligibility criteria I, II and technical Specification
	(Annexure B) will only be considered for opening of financial bid.
	Stage II: Financial Bid Evaluation
	The Financial bid evaluation will be based on price quoted by the bidder. The rate quoted for Air
	Pollutant Monitoring System unit will alone be taken up for arrival of Lowest Bid (L1) value.
26)	In accordance to the Rule 173 of GFR,2017 and relevant provisions thereof in Procurement Manuals,
	2022, IC&SR, IITM reserves the right to carry out the negotiation process through its purchase/technical
	committee with L1/H1 (as applicable) vendor to ensure price reasonability before final recommendation
	to the Competent Authority. The negotiation details, if any, on case-to-case basis shall be recorded in
	minutes of mastings suitably for records
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ACKNOWLEDGEMENT

It is hereby acknowledged that I/We have gone through all the points listed under "Specification, Guidelines, Terms and Conditions" of tender document. I/We totally understand the terms and conditions and agree to abide by the same.

SIGNATURE OF TENDERER ALONG WITH SEAL OF THE COMPANY WITH DATE

Bidder Eligibility Criteria and Technical Specification for Air Pollutant Monitoring System Tender No. CE/SACG/025/2024/AIRPOLMON

Bidder Eligibility Criteria – I (Public Procurement – Preference to Make in India)

Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P-45021/2/2017-PP (BE-II) dated 16th September 2020 and other subsequent orders issued therein (ANNEXURE – D)

Bidder Eligibility Criteria – II

- 1. Vendor Registration ID/Proof.
- 2. Land Border Certificate (ANNEXURE E).
- 3. **OEM Certificate Form**-The Participating Bidder's firm shall be the Original Equipment Manufacturer (OEM) or OEM Certified authorized firm (ANNEXURE F).
- 4. Non- Debarment Declaration (ANNEXURE H).
- 5. Mandate Form (ANNEXURE J)
- 6. EMD as per Tender, to be remitted in the account number as given in the (Annexure I) or EMD is exempted for Micro and Small Enterprises (MSE) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) and Startups as recognized by Department of Industrial Policy & Promotion (DIPP). (MSE/MSME/DIPP PROOF should be enclosed in the cover containing technical bid). Any vendor furnishing MSME (Trading) certificate is not eligible for EMD Exemption and as well not entitled for any relaxation in the tender conditions.

S. No	Description	Technical Specification		
(1) Carbon monoxide (CO) Analyzer				
01.	Principle	IR absorption		
02.	Measurement	CO in Ambient Air		
03.	Display	Digital/Analog		
04.	Ranges	0 – 1000 ppm		
05.	Lower Detectable Limit	\leq 0.05 ppm RMS		
06.	Noise Level	≤ 0.005 ppm		
07.	Zero Drift	\leq 0.1ppm		
08.	Span Drift	$\leq 2\%$ of full scale		
09.	Response Time	\leq 60-80 seconds (1 min. averaging)		
10.	Precision	≤0.5%		

III. Technical Specification for Air Pollutant Monitoring System

11.	Linearity	\pm 1% on full scale
12.	Operation Temperature	0-40 °C
13.	Power	100-240V; ~270-275W; 50/60Hz~0.5 SLPM at 1 atm inlet pressure4 Input; 6 Analog output; 0–10VRS232port/RS485 port / Full speed USB Ports / TCP/ IP Ethernet(1GB), MODBUS
14.	Flow Rate	
15.	Analog Input/Output	
16.	Digital Input/Output	
17.	Other Recommendations	USEPA safety; Flash memory for increased data storage Ethernet connectivity for efficient remote access.
(2)	Nitrogen (NO-NO ₂ -NO _x)	Analyzer
01.	Principle	Chemiluminescence
02.	Measurement	NO/NO ₂ /NO _X in Ambient Air
03.	Display	Digital/Analog
04.	Ranges	0 – 500 ppm
05.	Lower Detectable Limit	≤ 0.1 ppm
06.	Noise Level	≤ 0.005 ppm
07.	Zero Drift	≤ 0.005ppm
08.	Span Drift	$\leq 1\%$ of full scale
09.	Response Time	\leq 60-80 seconds (1 min. averaging)
10.	Precision	±1 ppb
11.	Linearity	\pm 1% on full scale
12.	Operation Temperature	0-40 °C
13.	Power	100-240V; ~270-275W; 50/60Hz
14.	Flow Rate	~95-100 cc/min at atm pressure.
15.	Analog Input/Output	4 Input; 6 Analog output; 0–10V
16.	Digital Input/Output	RS232port/RS485 port / Full speed USB Ports / TCP/ IP Ethernet (1GB)
17.	Other Recommendations	Recommended a Continuous operation in either mode (NO/NOx) with separate calibration setup; along temperature and pressure corrections.
(3) Amb	ient ammonia analyzer (NH	I ₃)- same instrument for NO, NOx, NH ₃
01.	Principle	Chemiluminescence
02.	Measurement	Ammonia in Ambient Air
03.	Display	Digital

04.	Ranges	0 – 20 ppm (Auto-ranging)
05.	Lower Detectable Limit	$\leq 1 \text{ ppb}$
06.	Noise Level	≤ 0.5 ppb
07.	Zero Drift	≤ 1 ppb in 24Hrs.
08.	Span Drift	\leq 2% of full scale in 24Hrs
09.	Response time	≤ 120 seconds
10.	Precision	±0.5 ppb
11.	Linearity	\pm 1% on full scale or better
12.	Flow Rate	0.5-1 L/min
13.	Operating Temperature	0-40 °C
14.	Power	100 -115 v, 220-240 v; 50/60hz, ~600W
12.	Analog Output	Selectable voltage, RS232/RS485, TCP/IP, 0-20 or 4-20 mA Isolated Current Output
13.	Digital Output	Multi drop RS232port / USB Port / TCP/ IP Ethernet
14.	Consumables and Spares	Recommended requirements of 3 years of Continuous operation along with the list of Items.
(4) Ambi	⊥ ient Sulphur dioxide analyz	er (SO ₂):
(4) Ambi 01.	ient Sulphur dioxide analyz Principle	er (SO ₂): Pulsed UV Fluorescence
01.	Principle	Pulsed UV Fluorescence
01. 02.	Principle Measurement	Pulsed UV Fluorescence Sulphur Dioxide in Ambient Air
01. 02. 03.	Principle Measurement Display	Pulsed UV Fluorescence Sulphur Dioxide in Ambient Air Digital
01. 02. 03. 04.	Principle Measurement Display Ranges	Pulsed UV Fluorescence Sulphur Dioxide in Ambient Air Digital 0 - 1000 ppm (Auto-ranging)
01. 02. 03. 04. 05.	Principle Measurement Display Ranges Lower Detectable Limit	Pulsed UV Fluorescence Sulphur Dioxide in Ambient Air Digital 0 - 1000 ppm (Auto-ranging) ≤ 1 ppm (1 min averaging)
01. 02. 03. 04. 05. 06.	Principle Measurement Display Ranges Lower Detectable Limit Noise Level	Pulsed UV FluorescenceSulphur Dioxide in Ambient AirDigital $0 - 1000 \text{ ppm (Auto-ranging)}$ $\leq 1 \text{ ppm (1 min averaging)}$ $\leq 0.50 \text{ ppm (1 min averaging)}$
01. 02. 03. 04. 05. 06. 07.	Principle Measurement Display Ranges Lower Detectable Limit Noise Level Zero Drift	Pulsed UV FluorescenceSulphur Dioxide in Ambient AirDigital $0 - 1000 \text{ ppm (Auto-ranging)}$ $\leq 1 \text{ ppm (1 min averaging)}$ $\leq 0.50 \text{ ppm (1 min averaging)}$ $\leq 0.50 \text{ ppm (in 24Hrs)}$
01. 02. 03. 04. 05. 06. 07. 08.	Principle Measurement Display Ranges Lower Detectable Limit Noise Level Zero Drift Span Drift	Pulsed UV FluorescenceSulphur Dioxide in Ambient AirDigital $0 - 1000 \text{ ppm (Auto-ranging)}$ $\leq 1 \text{ ppm (1 min averaging)}$ $\leq 0.50 \text{ ppm (1 min averaging)}$ $\leq 0.50 \text{ ppm (in 24Hrs)}$ $\leq 1\%$ of full scale
01. 02. 03. 04. 05. 06. 07. 08. 09.	PrincipleMeasurementDisplayRangesLower Detectable LimitNoise LevelZero DriftSpan DriftResponse Time	Pulsed UV FluorescenceSulphur Dioxide in Ambient AirDigital $0 - 1000 \text{ ppm (Auto-ranging)}$ $\leq 1 \text{ ppm (1 min averaging)}$ $\leq 0.50 \text{ ppm (1 min averaging)}$ $\leq 0.50 \text{ ppm (in 24Hrs)}$ $\leq 1\% \text{ of full scale}$ $\leq 110-120 \text{ seconds (1 min. averaging)}$
01. 02. 03. 04. 05. 06. 07. 08. 09. 10.	PrincipleMeasurementDisplayRangesLower Detectable LimitNoise LevelZero DriftSpan DriftResponse TimePrecision	Pulsed UV FluorescenceSulphur Dioxide in Ambient AirDigital $0 - 1000 \text{ ppm (Auto-ranging)}$ $\leq 1 \text{ ppm (1 min averaging)}$ $\leq 0.50 \text{ ppm (1 min averaging)}$ $\leq 0.50 \text{ ppm (in 24Hrs)}$ $\leq 1\% \text{ of full scale}$ $\leq 1\% \text{ of reading or 1 ppb (whichever is better)}$
01. 02. 03. 04. 05. 06. 07. 08. 09. 10. 11.	PrincipleMeasurementDisplayRangesLower Detectable LimitNoise LevelZero DriftSpan DriftResponse TimePrecisionLinearity	Pulsed UV FluorescenceSulphur Dioxide in Ambient AirDigital $0 - 1000 \text{ ppm (Auto-ranging)}$ $\leq 1 \text{ ppm (1 min averaging)}$ $\leq 0.50 \text{ ppm (1 min averaging)}$ $\leq 0.50 \text{ ppm (in 24Hrs)}$ $\leq 1\% \text{ of full scale}$ $\leq 1\% \text{ of reading or 1 ppb (whichever is better)}$ $\pm 1\% \text{ on full scale or better}$

15.	Analog Input/Output	4 Input; 6 Analog output; 0–10V
16.	Digital Input/Output	RS232port/RS485 port / Full speed USB Ports / TCP/ IP Ethernet (1GB)
17.	Other Recommendations	USEPA standards
(5) CH ₄	and NMHC gas analyzer	
01.	Principle	Gas chromatography
02.	Measurement	CH ₄ and NMHC in ambient air
03.	Display	Digital/Analog
04.	Ranges	0 – 1000 ppm
05.	Lower Detectable Limit	\leq 0.05 ppm
06.	Noise Level	≤ 0.025 ppm
07.	Zero Drift	\leq 0.025ppm / auto zero
08.	Span Drift	$\leq 2\%$
09.	Response Time	\leq 60-70 seconds (1 min. averaging)
10.	Precision	\leq 2% of reading or 50 ppb (whichever is larger)
11.	Linearity	$\pm 2\%$ on full scale
12.	Operation Temperature	0-40 °C
13.	Power	220-240V; ~400-450W; 50/60Hz
14.	Flow Rate	~0.5 LPM
15.	Analog Input/Output	16 digital Input; 8-10 Analog output
16.	Digital Input/Output	RS232port/RS485 port / Full speed USB Ports / TCP/ IP Ethernet (1GB), MODBUS
17.	Other Recommendations	USEPA safety; Adjustable ranges; Real time correction of THC readings; Automatic calibration and span check
(6) Ozon	e (O ₃) Analyzer	
01.	Parameter	Ambient Ozone
02.	Principle /Technology	UV Photometry
03.	Measuring Range	0 - 200 ppm
04.	Concentration units	μg/m3, ppm
05.	Noise	< 0.25 ppb (1 minute averaging)
06.	Lower detectable limit	< 0.5 ppb (1 minute averaging)
07.	Linearity	< 1 % of full scale
08.	Precision	<1.0 ppb of reading

09.	Zero drift (24 hours)	< 1.0 ppb		
10.	Zero drift (7 days)	< 2.0 ppb		
11.	Span drift (1 month)	< 1 % of reading		
12.	Response time	20 seconds		
13.	Power consumption	100-240V; ~200-240W; 50/60Hz		
14.	Operating Temperature	0-40 °C		
15.	Flow rate	1.5 LPM		
16.	Communication	MODBUS, Streaming 1 RS-232/485 port; 1 RS-485 external accessory port		
17.	Communication Analog anddigital I/O port	 4x isolated inputs 0–10 V 6x isolated analog voltages outputs, with 4 selectable ranges 6x isolated analog current outputs, with 2 selectable ranges 6x isolated analog current outputs, with 2 selectable ranges 16 digital inputs (TTL) 8 solenoid driver outputs 10 digital reed relay contact outputs 10 digital reed relay contact outputs Automatic data logging and storage on the computer at no additional cost. If required such a cost may be mentioned separately. 		
18.	Others	Meet one the following standards: U.S. EPA or UK Environmental Agency or EU Environmental Agency for the approved measurement technique		
19.	Optional	Ethernet connectivity for efficient remote access; Flash memory for increased data storage and user downloadable software		
20.	Warranty	One year comprehensive on site warranty.		
21.	regular calibration and othe	necessary and pertinent accessories for the effective, robust, and er tests (for example zero air test) of the instrument for long-term um technical failures. This may be quoted separately.		

TECHNICAL BID PROFORMA

Tender No. CE/SACG/025/2024/AIRPOLMON **Item Name: Air Pollutant Monitoring System**

1.0 Bidder Eligibility Criteria:

Ι	Bidder Eligibility Criteria-I (Public Procurement – Preference to Make in India)	Class I / Class II	Local Content Percentage	Ref. Page No.
Ι	Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P- 45021/2/2017-PP (BE II) dated 16 th September 2020 and other subsequent orders issued therein (ANNEXURE – D)			

2.0 Bidder Eligibility Criteria:

II	Bidder Eligibility Criteria-II	Complied/Not Complied	Ref Page No.
1	Vendor Registration ID/Proof		
2	Land Border Certificate (ANNEXURE – E)		
3	OEM Certificate Form- The Participating Bidder's firm shall be the Original Equipment Manufacturer (OEM) or OEM Certified authorized firm ($ANNEXURE - F$)		
4	Non- Debarment Declaration (ANNEXURE – H).		
5	Mandate Form (ANNEXURE – J)		
6	EMD as per Tender, to be remitted in the account number as given in the (Annexure – I) or EMD is exempted for Micro and Small Enterprises (MSE) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) and Startups as recognized by Department of Industrial Policy & Promotion (DIPP). (MSE/MSME/DIPP PROOF should be enclosed in the cover containing technical bid). Any vendor furnishing MSME (Trading) certificate is not eligible for EMD Exemption and as well not entitled for any relaxation in the tender conditions.		

3. Technical Compliance Statement to accompany with Unquoted offer to be enclosed with technical bid in detail mentioning Model number, Description of the goods / service if any, for the supply with terms and conditions in conformity with the Tender requirement.

S. No	Description Technical Specification		Complied/Not Complied	Ref Page No.	
(1) Carbon monoxide (CO) Analyzer					
01.	Principle	IR absorption			
02.	Measurement	CO in Ambient Air			
03.	Display	Digital/Analog			
04.	Ranges	0 – 1000 ppm			
05.	Lower Detectable Limit	\leq 0.05 ppm RMS			
06.	Noise Level	\leq 0.005 ppm			
07.	Zero Drift	\leq 0.1ppm			
08.	Span Drift	\leq 2% of full scale			
09.	Response Time	\leq 60-80 seconds (1 min. averaging)			
10.	Precision	\leq 0.5%			
11.	Linearity	\pm 1% on full scale			
12.	Operation Temperature	0-40 °C			
13.	Power	100-240V; ~270-275W; 50/60Hz			
14.	Flow Rate	~0.5 SLPM at 1 atm inlet pressure			
15.	Analog Input/Output	4 Input; 6 Analog output; 0–10V			
16.	Digital Input/Output	RS232port/RS485 port / Full speed USB Ports / TCP/ IP Ethernet (1GB), MODBUS			
17.	Other Recommendations	USEPA safety; Flash memory for increased data storage Ethernet connectivity for efficient remote access.			
(2)	Nitrogen (NO-NO ₂ -N		•		
01.	Principle	Chemiluminescence			
02.	Measurement	NO/NO ₂ /NO _X in Ambient Air			
03.	Display	Digital/Analog			
04.	Ranges	0 – 500 ppm			

05.	Lower Detectable Limit	≤0.1 ppm	
06.	Noise Level	\leq 0.005 ppm	
07.	Zero Drift	≤ 0.005ppm	
08.	Span Drift	\leq 1% of full scale	
09.	Response Time	\leq 60-80 seconds (1 min. averaging)	
10.	Precision	±1 ppb	
11.	Linearity	\pm 1% on full scale	
12.	Operation Temperature	0-40 °C	
13.	Power	100-240V; ~270-275W; 50/60Hz	
14.	Flow Rate	~95-100 cc/min at atm pressure.	
15.	Analog Input/Output	4 Input; 6 Analog output; 0–10V	
16.	Digital Input/Output	RS232port/RS485 port / Full speed USB Ports / TCP/ IP Ethernet (1GB)	
17.	Other	Recommended a Continuous operation in	
17.	Recommendations	either mode (NO/NOx) with separate calibration setup; along temperature and pressure corrections.	
	Recommendations	calibration setup; along temperature and	
	Recommendations	calibration setup; along temperature and pressure corrections.	
3) Amb	Recommendations	calibration setup; along temperature and pressure corrections. r (NH ₃)- same instrument for NO, NOx, NH ₃	
3) Amb	Recommendations Dient ammonia analyze Principle	calibration setup; along temperature and pressure corrections. r (NH ₃)- same instrument for NO, NOx, NH ₃ Chemiluminescence	
3) Amb 01. 02.	Recommendations Dient ammonia analyze Principle Measurement	calibration setup; along temperature and pressure corrections. r (NH ₃)- same instrument for NO, NOx, NH ₃ Chemiluminescence Ammonia in Ambient Air	
3) Amb 01. 02. 03.	Recommendations Dient ammonia analyze Principle Measurement Display	calibration setup; along temperature and pressure corrections. r (NH ₃)- same instrument for NO, NOx, NH ₃ Chemiluminescence Ammonia in Ambient Air Digital	
 3) Amb 01. 02. 03. 04. 	Recommendations Dient ammonia analyze Principle Measurement Display Ranges Lower Detectable	calibration setup; along temperature and pressure corrections.r (NH3)- same instrument for NO, NOx, NH3ChemiluminescenceAmmonia in Ambient AirDigital0 - 20 ppm (Auto-ranging)	
 3) Amb 01. 02. 03. 04. 05. 	Recommendations Dient ammonia analyzer Dient ammonia analyzer Principle Measurement Display Ranges Lower Detectable Limit	calibration setup; along temperature and pressure corrections.r (NH3)- same instrument for NO, NOx, NH3ChemiluminescenceAmmonia in Ambient AirDigital $0 - 20$ ppm (Auto-ranging) ≤ 1 ppb	
 3) Amb 01. 02. 03. 04. 05. 06. 	Recommendations Dient ammonia analyzer Dient ammonia analyzer Principle Measurement Display Ranges Lower Detectable Limit Noise Level	calibration setup; along temperature and pressure corrections.r (NH3)- same instrument for NO, NOx, NH3ChemiluminescenceAmmonia in Ambient AirDigital $0 - 20$ ppm (Auto-ranging) ≤ 1 ppb ≤ 0.5 ppb	
 3) Amb 01. 02. 03. 04. 05. 06. 07. 	Recommendations Dient ammonia analyzer Dient ammonia analyzer Principle Measurement Display Ranges Lower Detectable Limit Noise Level Zero Drift	calibration setup; along temperature and pressure corrections.r (NH ₃)- same instrument for NO, NOx, NH3ChemiluminescenceAmmonia in Ambient AirDigital $0 - 20$ ppm (Auto-ranging) ≤ 1 ppb ≤ 0.5 ppb ≤ 1 ppb in 24Hrs.	
 3) Amb 01. 02. 03. 04. 05. 06. 07. 08. 	Recommendations Dient ammonia analyzer Dient ammonia analyzer Principle Measurement Display Ranges Lower Detectable Limit Noise Level Zero Drift Span Drift	calibration setup; along temperature and pressure corrections.r (NH ₃)- same instrument for NO, NOx, NH3ChemiluminescenceAmmonia in Ambient AirDigital $0 - 20$ ppm (Auto-ranging) ≤ 1 ppb ≤ 0.5 ppb ≤ 1 ppb in 24Hrs. $\leq 2\%$ of full scale in 24Hrs	
 3) Amb 01. 02. 03. 04. 05. 06. 07. 08. 09. 	Recommendations Dient ammonia analyzes Principle Measurement Display Ranges Lower Detectable Limit Noise Level Zero Drift Span Drift Response time	calibration setup; along temperature and pressure corrections.r (NH ₃)- same instrument for NO, NOx, NH3ChemiluminescenceAmmonia in Ambient AirDigital $0 - 20$ ppm (Auto-ranging) ≤ 1 ppb ≤ 0.5 ppb ≤ 1 ppb in 24Hrs. $\leq 2\%$ of full scale in 24Hrs ≤ 120 seconds	
 3) Amb 01. 02. 03. 04. 05. 06. 07. 08. 09. 10. 	RecommendationsDient ammonia analyzesDient ammonia analyzesPrincipleMeasurementDisplayRangesLower Detectable LimitNoise LevelZero DriftSpan DriftResponse timePrecision	calibration setup; along temperature and pressure corrections.r (NH ₃)- same instrument for NO, NOx, NH3ChemiluminescenceAmmonia in Ambient AirDigital $0 - 20$ ppm (Auto-ranging) ≤ 1 ppb ≤ 0.5 ppb ≤ 1 ppb in 24Hrs. $\leq 2\%$ of full scale in 24Hrs ≤ 120 seconds ± 0.5 ppb	
 3) Amb 01. 02. 03. 04. 05. 06. 07. 08. 09. 10. 11. 	RecommendationsDient ammonia analyzesDient ammonia analyzesPrincipleMeasurementDisplayRangesLower Detectable LimitNoise LevelZero DriftSpan DriftResponse timePrecisionLinearity	calibration setup; along temperature and pressure corrections.r (NH_3)- same instrument for NO, NOx, NH3ChemiluminescenceAmmonia in Ambient AirDigital $0 - 20$ ppm (Auto-ranging) ≤ 1 ppb ≤ 0.5 ppb ≤ 1 ppb in 24Hrs. $\leq 2\%$ of full scale in 24Hrs ≤ 120 seconds ± 0.5 ppb $\pm 1\%$ on full scale or better	

12.	Analog Output	Selectable voltage, RS232/RS485, TCP/IP, 0-20 or 4-20 mA Isolated Current Output	
13.	Digital Output	Multi drop RS232port / USB Port / TCP/ IP Ethernet	
14.	Consumables and Spares	Recommended requirements of 3 years of Continuous operation along with the list of Items.	
4) Ambi	ient Sulphur dioxide an	alyzer (SO ₂):	
01.	Principle	Pulsed UV Fluorescence	
02.	Measurement	Sulphur Dioxide in Ambient Air	
03.	Display	Digital	
04.	Ranges	0 - 1000 ppm (Auto-ranging)	
05.	Lower Detectable Limit	≤ 1 ppm (1 min averaging)	
06.	Noise Level	\leq 0.50 ppm (1 min averaging)	
07.	Zero Drift	\leq 0.50 ppm (in 24Hrs)	
08.	Span Drift	\leq 1% of full scale	
09.	Response Time	\leq 110-120 seconds (1 min. averaging)	
10.	Precision	\leq 1% of reading or 1 ppb (whichever is better)	
11.	Linearity	\pm 1% on full scale or better	
12.	Flow rate	0.5 lpm	
13.	Operation temperature	0-40 °C	
14.	Power	100-240V; ~270-275W; 50/60Hz	
15.	Analog Input/Output	4 Input; 6 Analog output; 0–10V	
16.	Digital Input/Output	RS232port/RS485 port / Full speed USB Ports / TCP/ IP Ethernet (1GB)	
17.	Other Recommendations	USEPA standards	
5) CH4 a	and NMHC gas analyze	r	
01.	Principle	Gas chromatography	
02.	Measurement	CH ₄ and NMHC in ambient air	
03.	Display	Digital/Analog	
04.	Ranges	0 – 1000 ppm	
05.	Lower Detectable Limit	≤ 0.05 ppm	
06.	Noise Level	≤ 0.025 ppm	

07.	Zero Drift	\leq 0.025ppm / auto zero		
08.	Span Drift	≤2%		
09.	Response Time	$\leq 60-70$ seconds (1 min. averaging)		
	•			
10.	Precision	\leq 2% of reading or 50 ppb (whichever is larger)		
11.	Linearity	$\pm 2\%$ on full scale		
12.	Operation Temperature	0-40 °C		
13.	Power	220-240V; ~400-450W; 50/60Hz		
14.	Flow Rate	~0.5 LPM		
15.	Analog Input/Output	16 digital Input; 8-10 Analog output		
16.	Digital Input/Output	RS232port/RS485 port / Full speed USB Ports / TCP/ IP Ethernet (1GB), MODBUS		
17.	Other Recommendations	USEPA safety; Adjustable ranges; Real time correction of THC readings; Automatic calibration and span check		
(6) Ozon	e (O3) Analyzer			
01.	Parameter	Ambient Ozone		
02.	Principle /Technology	UV Photometry		
03.	Measuring Range	0 - 200 ppm		
04.	Concentration units	μg/m3, ppm		
05.	Noise	< 0.25 ppb (1 minute averaging)		
06.	Lower detectable limit	< 0.5 ppb (1 minute averaging)		
07.	Linearity	< 1 % of full scale		
08.	Precision	<1.0 ppb of reading		
09.	Zero drift (24 hours)	< 1.0 ppb		
10.	Zero drift (7 days)	< 2.0 ppb		
11.	Span drift (1 month)	< 1 % of reading		
12.	Response time	20 seconds		
13.	Power consumption	100-240V; ~200-240W; 50/60Hz	<u> </u>	
14.	Operating Temperature	0-40 °C		
15.	Flow rate	1.5 LPM		
16.	Communication	MODBUS, Streaming 1 RS-232/485 port; 1 RS-485 external accessory port		

17.	Communication Analog anddigital I/O port	 4x isolated inputs 0–10 V 6x isolated analog voltages outputs, with 4 selectable ranges 6x isolated analog current outputs, with 2 selectable ranges 16 digital inputs (TTL) 8 solenoid driver outputs 10 digital reed relay contact outputs 10 digital reed relay contact outputs Automatic data logging and storage on the computer at no additional cost. If required such a cost may be mentioned separately. 	
18	Others	Meet one the following standards: U.S. EPA or UK Environmental Agency or EU Environmental Agency for the approved measurement technique	
19	Optional	Ethernet connectivity for efficient remote access; Flash memory for increased data storage and user downloadable software	
20.	Warranty	One year comprehensive on site warranty.	
21.	This should include other necessary and pertinent accessories for the effective, robust, and regular calibration and other tests (for example zero air test) of the instrument for long-term measurements with minimum technical failures. This may be quoted separately.		

Note:

(i) It is mandatory for the bidders to provide the compliance statement (Complied/Not Complied) for the above points with document proof as required). If the compliance statement (Complied/Not Complied) is not furnished for the evaluation Bidders will be disqualified.

(ii) Technical Bid Should NOT Contain Price Bid/Financial Bid details (or) Indication. If the price Details are indicated, mentioned inside the technical bid, then bid will be disqualified and neither the Technical Bid nor the Price Bid/Financial Bid will be considered.

SIGNATURE OF BIDDER ALONG WITH SEAL OF THE COMPANY WITH DATE

FINANCIAL BID (PROFORMA) - BILL OF QUANTITIES (BOQ)

It. No	Description of work	Quantity	Units	Basic Rate in INR	GST in Percentage	Total Amount with taxes in INR
1	Air Pollutant Monitoring System with One year comprehensive on site warranty	1	No.			
2	Ethernet connectivity for efficient remote access; Flash memory for increased data storage and user downloadable software (Optional Items)	1	No.			
3	Pertinent accessories for the effective, robust, and regular calibration and other tests (for example zero air test) of the instrument for long-term measurements with minimum technical failures.	1	No.			
	Grand Total	1	1			

Item Name: Air Pollutant Monitoring System Tender No. CE/SACG/025/2024/AIRPOLMON

Total Amount Rupees in words _____

Note:

- 1. Price bid as per this format to be uploaded only at the financial document column in CPP Portal. Price disclosure at the technical bid will result in disqualification.
- 2. Technical Bid Should NOT Contain Price Bid/Financial Bid details (or) Indication. If the price Details are indicated, mentioned inside the technical bid, then bid will be disqualified and neither the Technical Bid nor the Price Bid/Financial Bid will be considered.
- 3. Unquoted offer to be enclosed with technical bid in detail mentioning Model number, Description of the goods / service if any, for the supply with terms and conditions in conformity with the Tender requirement.

- 4. Optional Items to be mandatorily quoted.
- 5. The Purchaser reserves the right to procure the optional items based on the budgetary provisions.
- 6. The Value mentioned for Optional items, if any, will not be considered for arriving L1 vendor.

I/We the bidder accept all the terms and conditions as per tender including all technical & commercial conditions.

Date: Place: Authorized Signatory

Seal and signature

FORMAT FOR AFFIDAVIT OF SELF-CERTIFICATION UNDER PREFERENCE TO MAKE IN INDIA – PER ITEM

Tender Reference Number:

Name of the item / Service:

Date:	
I/We	_S/o, D/o, W/o,
Resident of	

Hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the Public Procurement (Preference to Make in India) Policy vide GoI Order no. P-45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019and 04.06.2020) MOCI order No. 45021/2/2017-PP (BE II) Dt.16th September 2020 & P- 45021/102/2019-BE-II-Part (1) (E-50310) Dt.4th March 2021 and any subsequent modifications/Amendments, if any and

That the local content for all inputs which constitute the said item/service/work has been verified by me and I am responsible for the correctness of the claims made therein.

Tick (✓) and Fill the Appropriate Category						
	I/We[name of the supplier] hereby confirm in respect of quoted items thatLocal Content is equal to or more than 50% and come under "Class-I Local Supplier" category.					
	I/We[name of the supplier] hereby confirm in respect of quoted items that Local Content is equal to 20% but less than 50% and come under "Class-II Local Supplier" category.					
• The details of the location (s) at which the local value addition is made and the proportionate value of local content in percentage						
Addre	ss Percentage of Local content:% Country of Origin of Goods:%					

Authorized signatory (To be duly authorized by the Board of Directors)

<Insert Name, Designation and Contact No.>

[Note: In case of procurement for a value in excess of Rs. 10 Crores, the bidders shall provide this certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.]

This letter should be on the letterhead of the quoting firm and should be signed by a competent authority. Non-submission of this will lead to Disqualification of bids.

ANNEXURE – E

Land Border Sharing Declaration

(To be given on the letter head of the bidder)

In-line with Department of Expenditure's (DoE) Public Procurement Division Order vide ref. F.No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020

Tender No._____

Dated: _____

CERTIFICATE

(Bidders from India)

"I/ we have read the clauses pertaining to Department of Expenditure's (DoE) Public Procurement Division Order (Public procurement no 1, 2 & 3 vide ref. F.No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020) regarding restrictions on procurement from a bidder of a country which shares a land border with India. I/We hereby certify that I/ we ______ (Name of the bidder) is/are

a) Not from such a country and eligible to be considered for this tender.

OR

(Bidders from Country which shares a land border with India)

I/We ______ (Name of the bidder) is/are from ______ (Name of the Country) and has been registered with the Competent Authority. I also certify that I fulfil all the requirements in this regard and is eligible to be considered. (Copy/ evidence of valid registration by the Competent Authority is to be attached)

Place: Date: Signature of the Bidder Name & Address of the Bidder with Office Stamp

OEM CERTIFICATION FORM (In Original Letter Head of OEM)

Tender No: Dated:

We ar	e Origina	al Equipment I	Manufacturers	(OEM) of					(N	lam	e of
the co	mpany)	Ms				(Na	me	of the ve	endor) is	one
of	our	Distributors/D	ealers/Reselle	ers/Partners	5	(tick		one)	for		the
						and	is	participa	ting	in	the
above	-menti	oned	tender	by	offe	ring		our		proc	duct
model											

..... is authorized to bid, sell and provide service support warranty for our product as mentioned above.

Name and Signature of the authorized signatory of OEM along with seal of the company with Date

<u>TENDER CHECKLIST – Mandatory documents to be filled and attached along</u> <u>with technical bid document.</u>

- (1) I have registered as a Vendor with IC&SR. (Proof to be enclosed) To submit document proof pertaining to point.no: 6 of tender ISO certificate, Active GSTIN certificate, valid PAN details.
- (2) Technical Bid details and Financial Bid details have to be provided in a separate folder
- (3) Completed and Signed Form of Tender. The Form of Tender document shall be signed by a person legally authorized. (Proof of Authorization to be enclosed)
- (4) Completed Technical Compliance Statement
- (5) Certification of Class I / Class II Local Supplier (Goods, Services, or Works) is submitted as part of the technical bid. (Annexure – D)
- (6) EMD as per tender norms is deposited and the proof is enclosed (Annexure -I)
- (7) Land Border sharing declaration document is submitted (Annexure \mathbf{E})
- (8) Non- Debarment Declaration (Annexure H)
- (9) Authorized agent certificate from OEM is mandatory if Indian agent/Indian office of OEM is participating in this tender on behalf of OEM. (Annexure F)

The bid will be valid if all the above documents are provided. Bidders are asked to supply and tick off the required information. Failure to provide any of the stated documents as per tender norms may result in the bid being considered non-compliant and rejected.

Signature of the Bidder

FORM - A NON- DEBARMENT DECLARATION

Date: XXXX

To, The Indian Institute of Technology Madras, Sardar Patel road, Guindy, Chennai - 600036

Dear Sir,

a. We are not involved in any major litigation that may have an impact of affecting or compromising the delivery of services as required under this assignment.

b. We are not debarred by any Central/ State Government/ agency of Central/ State Government of India or any other country in the world/ Public Sector Undertaking/ any Regulatory Authorities in India or any other country in the world for any kind of fraudulent activities in last XX years.

Sincerely,

[BIDDERS NAME] Name Title Signature



CENTRE FOR INDUSTRIAL CONSULTANCY & SPONSORED RESEARCH (IC&SR) INDIAN INSTITUTE OF TECHNOLOGY MADRAS CHENNAI 600 036



ELECTRONIC CLEARING SERVICE (Credit Clearing)/ REAL TIME GROSS SETTLEMENT (RTGS) FACILITY FOR RECEIVING PAYMENTS

A. Details of Account Holder

Name of the Institution	Indian Institute of Technology - Madras			
Complete Contact Address	Industrial Consultancy and Sponsored Research Indian Institute of Technology-Madras, IIT- Madras Campus Post Office, Sardar Patel Road, Guindy, CHENNAI - 600 036			
Permanent Account Number (PAN)*	AAAAI3615G			
GST REGISTERATION NO.	33AAAAI3615G1Z6			
Telephone No./ Fax No.	Tel - 044-2257 8356			
E- mail ID of the FO/AO/REG/DIR	dricsr@iitm.ac.in			
3. Bank Account Details:				

Institution Account Name (As per Bank The Registrar, Indian Institute of Record) Technology - Madras Account No. 2722101003872 IFSC CODE CNRB0002722 SWIFT CODE CNRBINBBIIT Bank Name (in full) Canara Bank Branch Name **IIT-Madras Branch** Complete Branch Address Canara Bank, IIT-Madras Branch, IIT- Madras Campus Post Office, Sardar Patel Road, Guindy, CHENNAI - 600 036 MICR No. 600015085 Account Type Savings Account

Certified that the Institute's account is in an RTGS enabled branch. I hereby declare that the particulars given above are correct and complete.

Date: 04/08/2023 कृते केनरा बेक / For CANARA BANK

Anni

Signature of the Competent Authority of the Institution with seal.

স্বাধ্যবহাই / Officer স্বৰ্ষ স্বৰ্ষ হী মন্দৰ্শ্ব লাহল / IIT Chennai Branch ग्रेमनई / Chennai - 600 036 करोलिन लेभिना.म M. KAROLINE LEMINA अधिकारी OFFICER S.P. No:64356

उप कुलसचिव (आईसी एवं एसआर) **DEPUTY REGISTRAR (IC & SR)** आईआईटी मदास I.I.T. MADRAS

Phone : +91 (0) 44 2257 8062 / 8061 / 8060 Fax : +91 (0) 44 2257 0545 / 2257 8366 email : deanicsr@iitm.ac.in website : http://www.iitm.ac.in

MANDATE FORM

ELECTRONICS CLEARING SERVICE (CREDIT CLEARING)/REAL TIME GROSS SETTLEMENT (RTGS) FACILITY FOR RECEIVING PAYMENTS.

A. DETAILS OF ACCOUNT HOLDER: -

NAME OF ACCOUNT HOLDER	
COMPLETE CONTACT ADDRESS	
TELEPHONE NUMBER/E MAIL	

B. BANK ACCOUNT DETAILS: -

BANK NAME	
BRANCH NAME WITH COMPLETE ADDRESS,	
TELEPHONE NUMBER AND EMAIL	
WHETHER THE BRANCH IS COMPUTERISED?	
WHETHER THE BRANCH IS RTGS ENABLED? IF YES,	
THEN WHAT IS THE BRANCH IFSC CODE	
IS THE BRANCH ALSO NEFT ENABLED?	
TYPE OF BANK ACCOUNT(SB/CURRENT/CASH	
CREDIT)	
COMPLETE BANK ACCOUNT NUMBER(LATEST)	
MICR CODE OF BANK	

DATE OF EFFECT:

I hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information I would not hold the user institution responsible. I have read the option invitation letter and agree to discharge the responsibility expected of me as a participant under the Scheme.

(.....) Signature of Bidder

Date:

Certified that the particulars furnished above are correct as per our records. (Bank's Stamp)

(.....) Signature of Bidder

Date :

- **1.** Please attach a photocopy of the cheque along with the verification obtained from the bank.
- 2. In case your Bank Branch is presently not "RTGS enabled", then upon its upgradation to "RTGS Enabled" branch, please submit the information again in the above pro-forma to the Department at the earliest.