Subject: Minutes of Pre-Bid Meeting for the procurement of 34,400 GPS Radiosondes along with 43 compatible ground systems through GeM, held on 04.03.2025.

Ref.: GeM Bid No. GEM/2025/B/5945744 dated 19.02.2025

The competent authority has constituted the following Pre-Bid committee to conduct a Pre-Bid meeting and respond to the queries of prospective bidders regarding the above-mentioned GeM bid for procurement of 34,400 GPS Radiosondes along with 43 compatible ground systems through GeM:

1.	Dr. M. Venkat Ratnam, Sc 'SG', NARL Gadanki	Chairman
2.	Shri Gajendra Kumar, Sc F, UAID, IMD	Member
3.	Dr. Indira Rani, Sc F, NCMRWF	Member
4.	Smt Sonia Gupta, Section officer, IFD, MoES	Member
5.	Shri M. I. Ansari, Sc F UAID, IMD	Member
6.	Shri Harmeet Sawhney, Sc E CPU, IMD	Member
7.	Dr. Akhil Raj ST, Sc D, UAID, IMD	Member Secretary

The above Pre-Bid meeting was held on 04.03.2025 at 1100 hrs in the Conference Room, 2nd Floor, Sat. Met. Building, New Delhi, in hybrid mode. The following bidders participated in the meeting and sought clarifications for their queries:

1. M/s Sertel Electronics Pvt. Ltd., Chennai
2. M/s SS Micro Electronics Technology, New Delhi
3. M/s Avantel Limited, Hyderabad
4. M/s Azista Industries Pvt. Ltd., Ahmedabad
5. M/s Pollution Equipment & Controls, New Delhi

The Committee discussed and deliberated on the Pre-Bid queries submitted by prospective bidders vis-à-vis the published tender document. The detailed response of IMD to the queries raised by the above firms is provided in the table below:

S.N.	Name of Firm	Tender Clause	Bidder's Query	IMD's Reply
1(a)	M/s SS Micro Electronics Technology, New Delhi	As per GeM bid document page no. 1: Bid offer validity 180 days.	Sir, as per GeM bid document bid offer validity is required for 180 days but as per RFP page no. 14 point 3.0 bid validity is required for 240 days. You are requested to please confirm the required bid validity required?	The Bid offer validity is 180 days, as per the GeM Bid Document.
1(b)	M/s SS Micro Electronics	As per GeM bid document page no. 5: Delivery 240 days.	Sir, as per GeM bid document bid offer validity is required for 240 days but as per RFP	Delivery and installation/commissioning of the station as per RFP.

	Technology, New Delhi		page no. 14 point 2.0 Completion date of Delivery is mentioned as within 4 months from the date of issue of the Supply Order whereas at page no. 101 point C 1 it is mentioned that 34,400 numbers of GPS radiosondes and 43 ground systems to be delivered [DAP] within Four months from the date of issue of Supply Order and installation/commissioning to be completed within Eight months from the date of issue of Supply Order. You are requested to please confirm the required delivery period required?	
1(c)	M/s SS Micro Electronics Technology, New Delhi	RFP Page no. 22 point 3.3: Eligibility of bidders from specified countries.	Our company is 100% Indian-owned and has a Technology Transfer (ToT) agreement with a company that share land border with India. As per the ToT agreement we will be manufacturing their product which has participated in the WMO's inter-comparison in India under this agreement, using raw materials supplied by the foreign company. Since raw materials and components are explicitly allowed as per Clause 3.3(2) of the RFP, so please confirm that are we eligible to bid without requiring DPIIT registration.	As per the order No. F. &/10/2021-PPD(1) of Government of India, Ministry of Finance, Department of Expenditure, any bidder (including an Indian bidder) that has specified Transfer of Technology (ToT) arrangement with an entity from a country sharing a land border with India will be eligible to participate in any procurement whether for goods, services (including consultancy and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the competent authority. Bidders must strictly adhere to Government of India guidelines when submitting their bids.

1(d)	M/s SS Micro Electronics Technology, New Delhi	RFP Page no. 28 point 4.1.7: Manufacture under license/ transfer of technology / collaboration agreements with phased indigenization	As per the clause on 'Manufacture under License / Transfer of Technology / Collaboration Agreements with Phased Indigenization,' the Procuring Entity may grant exemption from local content requirements if a product is developed abroad but manufactured in India under ToT. In this regard you are requested to please clarify the following: • What is the process for obtaining an exemption letter? • What specific details should be included in the phased indigenization plan? • Is there a minimum local content percentage required in the first phase?	Bidder may follow Make in India norms and submit the required document from the competent authority.
1(e)	M/s SS Micro Electronics Technology, New Delhi	RFP Page no. 102 point 1.4: As recommended by the WMO CIMO Guide No 8, radiosonde measurement accuracy should always be checked in a controlled environment before the radiosonde is launched to prevent the launch of faulty radiosondes and to improve calibration accuracy by adjusting for small changes in calibration that may have occurred when the radiosonde was transported to the launch site and during storage. Necessary equipment and	As per WMO CIMO Guide No. 8, radiosonde measurement accuracy should be verified in a controlled environment before launch to ensure reliable calibration and prevent erroneous data due to transportation or storage conditions. Some systems use an onboard temperature and humidity sensor placed at the receiver's back to compare readings with the radiosonde. However, such a method does not provide a stable, controlled environment and is susceptible to external influences like ambient temperature	Yes, as per RFP, and as recommended by the WMO CIMO Guide No 8, the accuracy of radiosonde measurements should always be checked in a controlled environment before launch. This ensures that faulty radiosondes are not deployed and improves calibration accuracy by accounting for minor changes in calibration that may have occurred during transportation and storage. The necessary equipment and software for this purpose must be included in the system.

		software for this purpose must be included in the system	fluctuations, radiation, and airflow variations, which can affect calibration accuracy. You are requested to please confirm whether the tender requires a dedicated pre-launch verification system, such as a controlled chamber or an equivalent setup, rather than relying on an onboard sensor comparison?	
2(a)	M/s Azista Industries Pvt. Ltd., Ahmedabad	Appendix to NIT: Tender Information Summary 3.0 Critical Dates Page no.: 14	Critical dates mentioned in RFP is of 2023 which are already due. Kindly clarify.	Critical dates as per the GeM Bid Document.
2(b)	M/s Azista Industries Pvt. Ltd., Ahmedabad	Appendix to NIT: Tender Information Summary 10.0 Documents relating to Bid Security (ITB-clause 9.4) and Performance Security (ITB-clause 13.2.4) Page no.: 16 . Payment mode of EMD: Offline [Upload self attested scanned copy and submit originals physically] in the form of BG/FDR.	Kindly requesting you to share BG format to pay EMD and also share the bank details for issuing BG.	For EMD and performance security format as per Tender document Format 1.1 Bank Guarantee Format, Page# 137 Bank details: State Bank of India IOC Branch, Ispaat Bhawan, Lodi Road, New Delhi-110003 Account Holder: India Meteorological Department Account No.: 30007578390 IFSC Code : SBIN0006564 (5th Character is zero) MICR Code : 110002050 Branch Code : 006564 SWIFT Code : SBININBB701 IMD PAN No.: AAAGO 0042 H

M.V. Rao

				GST No.: 07 AAAGO 0042H1ZQ (0 = ZERO)
2(c)	M/s Azista Industries Pvt. Ltd., Ahmedabad	Section II: Instructions to Bidders (ITB) 9.3 Bid Validity Page no.: 37 Bids shall remain valid for a period of 240 days from the date of opening of technical bids as stipulated in TIS. A bid valid for a shorter period shall be rejected as nonresponsive.	Bid validity mentioned in RFP for 240 days while in GEM tender notice bid validity mentioned for 180 days. Kindly clarify.	The Bid offer validity is 180 days, as per the GeM Bid Document
2(d)	M/s Azista Industries Pvt. Ltd., Ahmedabad	Gem tender notice Page no.: 1 Bid Offer Validity (From End Date): 180 days	Bid Offer Validity (From End Date): 180 days Kindly clarify.	The Bid offer validity is 180 days, as per the GeM Bid Document
2(e)	M/s Azista Industries Pvt. Ltd., Ahmedabad	Section II: Instructions to Bidders (ITB) 10.3 Submission/ uploading of Bids. Page no.: 39 10.3 Submission/ uploading of Bids	Hardcopy submission of techno-commercial bid is required or not? Kindly clarify.	No hard copy submission is required. Only online submission/ uploading of the bid document is necessary.
2(f)	M/s Azista Industries Pvt. Ltd., Ahmedabad	APPENDIX No. 1 Technical Specifications 1. GENERAL REQUIREMENTS. Point 1.2 Page no. 101 The manufacturer of the system to be offered, comprising ground equipment and radiosondes, must have participated in the WMO's Upper Air Instrument Intercomparison Campaign in 2022 (UAII -2022) in Germany.	We have actively participated in the WMO's Upper Air Instrument Intercomparison Campaign in 2022 (UAII-2022) held in Germany campaign, we are facing challenges in clearly understanding the requirements specified in the RFP and how our performance results align with those expectations. We would greatly appreciate your support in helping us interpret the RFP requirements and evaluate whether our	The general requirement as per the RFP. The required accuracy of the sensors (for Temperature, Relative Humidity, and Wind (Horizontal) Vector) is provided in the report of WMO's Upper Air Instrument Intercomparison Campaign 2022 (UAII-2022) in Germany. This report was published in March 2024 under Table 9.2, Subsection 2.1, *Global Numerical Weather Prediction and*

		Additionally, the accuracy of the radiosonde sensors (for Temperature, Relative Humidity and Wind (Horizontal) Vector) offered by the manufacturer should fall within the time limits of the WMO's ORUC Threshold ΘT values for Global Numeric Weather Prediction and Real-Time Monitoring applications, as outlined in Table 9.2, Tables 10.3 to 10.5, and Table 11.3 of the WMO report on the WMO's 2022 Upper Air Instrument Intercomparison Campaign .	results from the intercomparison meet the specified standards.	*Real-time Monitoring.* The results are also represented graphically in Table 11.3 (*Global Numerical Weather Prediction and Real-time Monitoring*). Additionally, the ORUC assessment function, along with its measurement accuracy, measurement error, and the standard deviation of the individual measurement error of your radiosonde, is detailed in Tables 10.3 to 10.5. Further, the TEC committee will evaluate the result accordingly.
2(g)	M/s Azista Industries Pvt. Ltd., Ahmedabad	APPENDIX No. 1 Technical Specifications 2. Measurement accuracy requirements. Point 2.1 Page no. 102 Temperature- The accuracy of the radiosonde temperature sensors offered by the manufacturer should fall within limits of the WMO's ORUC Threshold Θ^T values for Global Numeric Weather Prediction and Real-Time Monitoring applications, as outlined in Table 9.2, Tables 10.3 to 10.5 and Table 11.3 of the WMO report on the WMO's 2022 Upper Air Instrument	We have actively participated in the WMO's Upper Air Instrument Intercomparison Campaign in 2022 (UAII-2022) held in Germany campaign, we are facing challenges in clearly understanding the requirements specified in the RFP and how our performance results align with those expectations. We would greatly appreciate your support in helping us interpret the RFP requirements and evaluate whether our results from the intercomparison meet the specified standards.	The technical specification is as per the RFP. The required accuracy of the temperature sensor is provided in the report of WMO's Upper Air Instrument Intercomparison Campaign 2022 (UAII-2022). This report was published in March 2024 under Table 9.2, Subsection 2.1, *Global Numerical Weather Prediction and Real-time Monitoring.* The results are also represented graphically in Table 11.3 (*Global Numerical Weather Prediction and Real-time Monitoring*). Additionally, the ORUC assessment function, along with its

		intercomparison campaign		measurement accuracy, measurement error, and the standard deviation of the individual measurement error of your radiosonde's temperature, is detailed in Table 10.3. Furthermore, the TEC committee will evaluate the results accordingly.
2(h)	M/s Azista Industries Pvt. Ltd., Ahmedabad	APPENDIX No. 1 Technical Specifications 2. Measurement accuracy requirements. Point 2.2 Page no. 102 Humidity The accuracy of the radiosonde humidity sensors offered by the manufacturer should fall within the limits of the WMO's ORUC Threshold Θ^T values for Global Numeric Weather Prediction and Real-Time Monitoring applications, as outlined in Table 9.2 Tables 10.3 to 10.5 and Table 11.3 of the WMO report on the WMO's 2022 Upper Air Instrument Intercomparison Campaign.	We have actively participated in the WMO's Upper Air Instrument Intercomparison Campaign in 2022 (UAII-2022) held in Germany campaign, we are facing challenges in clearly understanding the requirements specified in the RFP and how our performance results align with those expectations. We would greatly appreciate your support in helping us interpret the RFP requirements and evaluate whether our results from the intercomparison meet the specified standards.	The technical specification is as per the RFP. The required accuracy of the Humidity is provided in the report of WMO's Upper Air Instrument Intercomparison Campaign 2022 (UAII-2022). This report was published in March 2024 under Table 9.2, Subsection 2.1, *Global Numerical Weather Prediction and Real-time Monitoring*. The results are also represented graphically in Table 11.3 (*Global Numerical Weather Prediction and Real-time Monitoring*). Additionally, the ORUC assessment function, along with its measurement accuracy, measurement error, and the standard deviation of the individual measurement error of your radiosonde's humidity, is detailed in Table 10.3. Furthermore, the TEC committee will evaluate the results accordingly.
2(i)	M/s Azista Industries Pvt. Ltd.,	APPENDIX No. 1 Technical Specifications	We have actively participated in the WMO's Upper Air Instrument	The technical specification is as per the RFP.

	Ahmedabad	2. Measurement accuracy requirements. Point 2.3 Page no. 102 Pressure and Geopotential height The Radiosonde offered must have participated in the WMO's Upper Air Instrument Intercomparison Campaign in 2022 in Germany. Same technology/methodology demonstrated in the WMO's UAII -2022 should be used in the offered radiosondes for the measurement/calculation of atmospheric pressure and geopotential height	Intercomparison Campaign in 2022 (UAII-2022) held in Germany campaign, we are facing challenges in clearly understanding the requirements specified in the RFP and how our performance results align with those expectations. We would greatly appreciate your support in helping us interpret the RFP requirements and evaluate whether our results from the intercomparison meet the specified standards.	The ORUC assessment function, measurement accuracy, and the standard deviation of the individual measurement error of your radiosonde's Geopotential height and Pressure are detailed in Table 10.4. Furthermore, the TEC committee will evaluate the results accordingly.
2(j)	M/s Azista Industries Pvt. Ltd., Ahmedabad	APPENDIX No. 1 Technical Specifications 2. Measurement accuracy requirements. Point 2.4 Page no. 102. Wind The accuracy of the radiosonde wind vector (Horizontal) offered by the manufacturer should fall within the limits of the WMO's ORUC Threshold Θ^T values for Global Numeric Weather Prediction and Real-Time Monitoring applications, as outlined in Table 9.2, Tables 10.3 to 10.5 and Table 11.3 of the WMO report on the WMO's 2022 Upper Air Instrument	We have actively participated in the WMO's Upper Air Instrument Intercomparison Campaign in 2022 (UAII-2022) held in Germany campaign, we are facing challenges in clearly understanding the requirements specified in the RFP and how our performance results align with those expectations. We would greatly appreciate your support in helping us interpret the RFP requirements and evaluate whether our results from the intercomparison meet the specified standards.	The technical specification is as per the RFP. The required accuracy of the Wind vector (Horizontal) is provided in the report of WMO's Upper Air Instrument Intercomparison Campaign 2022 (UAII-2022). This report was published in March 2024 under Table 9.2, Subsection 2.1, *Global Numerical Weather Prediction and Real-time Monitoring*. The results are also represented graphically in Table 11.3 (*Global Numerical Weather Prediction and Real-time Monitoring*). Additionally, the ORUC assessment function,

		Intercomparison Campaign.		along with its measurement accuracy, measurement error, and the standard deviation of the individual measurement error of your radiosonde's wind vector, is detailed in Table 10.5. Furthermore, the TEC committee will evaluate the results accordingly.
2(k)	M/s Azista Industries Pvt. Ltd., Ahmedabad		This has reference with above Tender Enquiry regarding requirement of, Procurement of 34,400 Nos. of GPS Radiosondes along with 43 Nos. of compatible ground receiving and processing systems. The tender conditions allow only those companies to bid which have taken part must have participated in the WMO's Upper Air Instrument Intercomparison Campaign in 2022 (UAII -2022) in Germany. Additionally, the accuracy of the radiosonde sensors (for Temperature, Relative Humidity and Wind (Horizontal) Vector) offered by the manufacturer should fall within the time limits of the WMO's ORUC Threshold ΘT values for Global Numeric Weather Prediction and Real Time Monitoring applications, as outlined in Table 9.2, Tables 10.3 to 10.5, and Table 11.3 of the WMO report on the WMO's 2022 Upper Air Instrument Intercomparison Campaign.	The tender criteria are based on the operational standards of GPS Radiosonde recommended in the WMO's Upper Air Instrument Intercomparison Campaign 2022 (UAII-2022) report, published in March 2024. The ORUC Threshold (Θ^T) values represent the minimum requirements for operational standard data for Global Numerical Weather Prediction and real-time monitoring, as outlined in Table 9.2. This is a domestic tender that gives preference to MSEs and startups. Bids are open only to Class I local suppliers and Class II local supplier or dealers authorized by the Principal/OEM. As per the Government of India's procurement policies, purchase preference will be given to Class I local suppliers. There is no exemption or relaxation in the qualification criteria for this tender, as IMD cannot compromise on the quality of data and

			Azista is an indigenous Indian company specializing in Upper Air Sounding Systems (UASS) and has participated in the WMO's UAII-2022 in Germany. While our products are currently slightly short of the required accuracy thresholds mentioned in the tender specifications, we firmly believe that some relaxation should be provided to Indian indigenous vendors who have participated in the WMO intercomparison campaign. **1. Indigenous development under make in India initiatives** Azista is MSME and has independently researched, designed, and developed a complete suite of UASS, including GPS radiosondes, accessories, and specialized processing software tailored to IMD and Indian defense forces' requirements. Over several years, we have conducted extensive validation flights and significant investment in development, manpower, and technology advancement. Our products have been technically evaluated and qualified by IMD's Technical and Evaluation Committee (certificate attached).	sensors. The data will be used for operational purposes, and even small deviations in measurements could hamper or impact all related applications. The certificate was issued in 2021 as part of the radiosonde intercomparison conducted by IMD for the procurement of indigenous radiosondes from Indian manufacturers, vide tender reference CPU/53/0620/1532, as part of the TEC evaluation. The certificate was valid only for that specific tender process.

			2. Participation in WMO UAII-2022 and Progress since: Azista was one of ten global participants in WMO's UAII-2022. While other participants have been long-established experienced and suppliers in their respective countries and worldwide, Azista is a relatively new entrant and has nonetheless received positive feedback and guidance for improvements. Since our participation, we have diligently worked on enhancing our product to align with WMO's prescribed accuracy standards based on the intercomparison feedback. Azista UASS is improved ready for qualification. **3. Limited opportunities for qualification and improvement.** WMO intercomparison campaigns are conducted once every ten to twelve years, making it extremely challenging for Indian companies to qualify in a reasonable timeframe. Unlike NIST traceability, which is commercially available, WMO intercomparison certification is not readily accessible.	

			Given that IMD is the sole procuring entity of UASS in India, imposing such stringent qualification criteria will hinder the participation of indigenous manufacturers, despite their significant progress and potential. **4. Encouraging Indigenous Capability for Competitive vendor base** Supporting Indian vendors will foster a competitive and selfreliant vendor ecosystem for IMD and other Indian institutions. Given the Government's focus on the Make in India and Aatma Nirbhar Bharat initiatives, a fair opportunity should be extended to indigenous companies like Azista. In light of the above, we respectfully request either: • A technical relaxation in the tender criteria for Indian vendors who have participated in WMO UAII-2022, OR • An opportunity to have our upgraded UASS product tested against the tender specifications, allowing a fair evaluation.	

			We believe that such a consideration will result in a win-win situation for both IMD and Azista, supporting indigenous development while maintaining the required performance standards. We look forward to your positive consideration and remain available for further discussions.	
3(a)	M/s Sertel Electronics (Pvt.) Ltd., Chennai	Sir, as per Tender Document, all content and dates are mentioned for the year 2023	Kindly confirm if there are any updates, it would be helpful to have clarity on this as we move forward with the process.	The critical dates are as per the GeM Bid document.
3(b)	M/s Sertel Electronics (Pvt.) Ltd., Chennai	Performance security- 5% of the order value	We are an MSME, Performance security 3% up to warranty period instead of 5%	Not accepted. Performance security is 5 % of the order value as per the RFP.
3(c)	M/s Sertel Electronics (Pvt.) Ltd., Chennai	Terms of Delivery- Within 4 months from the date of issue of the Supply Order	We requested to you, delivery term -6 months from the date of advance payment received. This timeline is necessary for conducting the required sensor calibrations and factory testing purposes.	Not accepted. Delivery as per RFP, within 4 months from the date of issue of supply order.
3(d)	M/s Sertel Electronics (Pvt.) Ltd., Chennai	Payment terms for (i) 60% release of payment on receipt and acceptance of goods by the consignee at destination and on the production of all required documents by the contractor. (ii) Balance 40% on successful testing and acceptance (SAT by the consignee at all the stations.	We requested to you following payment terms: 20% of total contract value will be paid as advance payment against bank guarantee after issuance of supply order. 70% against supply & submission of despatch documents (7 days from POD receipt), 10 % on successful SAT completion. Note: Price is valid for 240 days from date of tender submission, if the raw material price is raises above 2%, same shall be informed and	Not accepted. Terms of payment as per RFP.

			order shall be amended on mutual agreement.	
3(e)	M/s Sertel Electronics (Pvt.) Ltd., Chennai	The manufacturer of the system to be offered, comprising ground equipment and radiosondes, must have participated in WMO's Upper Air Instrument Inter-comparison Campaign in 2022 (UAII-2022) in Germany. Additionally the accuracy of the radiosonde sensors (for Temperature, Relative Humidity and Wind (Horizontal) Vector) offered by the manufacturer T) values of Global Numeric Weather Prediction and Real-Time Monitoring applications, as outlines in Table 9.2, Table 10.3 to 10.5, and Table 11.3 of WMO report on the 2022 Upper Air Instrument Inter-comparison Campaign.	We request an exemption regarding the WMO inter-comparison process. We are in Indian manufacturer and OEM of radiosonde, We believe that our product meets the necessary standards. We prove our product field trial at your end. We are tried to participate in WMO inter-comparison 2022, unfortunately we are unable to participate due to Limation of participation. We are very much interested in future opportunities and plans to participate in WMO inter-comparisons. We would greatly appreciate your consideration of our request and are open to discussing this matter further.	No exemption in the qualification criteria. Qualification criteria as per RFP.
4(a)	M/s Avantel Limited, Hyderabad	Para 3.4 Conflict of Interest. Point No:8 and 12. RFP Page No. 15,16. Bidder must have executed successfully supply order of GPS Radiosonde or **similar instruments in the last five years** Relaxation on experience, performances and turnover are applicable as per government norms under make in India program	Avantel Introduction: M/s Avantel Limited, is a technology-driven AS9100D, ISO 9001:2015, ISO 14001:2015, ISO 45001:2008, ISO/IEC 17025:2017 & ISO 27001:2013 & CEMILAC certified MSME company in India with a legacy of more than 30 years. Avantel, a technology-driven, public limited, AS9100D Company involved in Design, Development and Manufacture of Electronics,	MSE exemption for years of experience as per Government of India policy.

			Communication and Satcom systems focusing on indigenous solutions across a broad-spectrum including defence electronics, satellite communications, ground stations, Radar Development, Software defined Radis. MSS, HF, UHF, VHF, S-Band etc. We have supplied various satellite communication systems to Indian Navy, DRDO's, Coast Guard in various Naval Applications in which we have used Inbuilt GPS receiver for communication, so this type of experience considers is for Bidding this Tender, **please specify**	
4(b)	M/s Avantel Limited, Hyderabad	Section D: Technical Specifications: Sr No 1 Point no 1.2, 1.4 RFP Page No. 93,94 The manufacturer of the system to be offered, comprising ground equipment and radiosondes, must have participated in the WMO's Upper Air Instrument Intercomparison Campaign in 2022 (UAII -2022) in Germany	Is it mandate for manufacturer of the system is to be participated in the WMO's Upper Air Instrument Intercomparison Campaign in 2022 (UAII -2022) in Germany. **Please clarify**	Participation in the WMO Upper-Air Instrument Intercomparison in 2022 in Germany is mandatory as per RFP.
4(c)	M/s Avantel Limited, Hyderabad	Section D: Technical Specifications Sr no 2 Measurement accuracy requirements RFP Page No 94 Measurement accuracy requirements like	Please share the **WMO report** or else share the technical specs of Temperature, Humidity, Pressure and Geopotential height, Wind etc **Please Provide details.**	WMO Upper-Air Instrument Intercomparison 2022 report is available on the WMO website for free download.

		Temperature, Humidity, Pressure and Geopotential height, Wind		
4(d)	M/s Avantel Limited, Hyderabad	General	Please provide Make, Model No, and Country of origin of GPS Radiosonde equipment which IMD used earlier. **Please Provide details**	IMD using/used the following radiosondes 1. ims100, Meisei Electric Co. Ltd, Japan 2. model no. WxR-301D, Weathex Company Ltd., South Korea. 3. DFM-09, Graw Radiosondes GmbH & Co. KG, Germany. 4. RSG-20A, Jiniyang Industrial Co. Ltd., South Korea.
5(a)	M/s Pollution Equipment & Controls, New Delhi		WMO intercomparison and its participation has been made mandatory in the technical specification, which is welcome step, however it is not clear as to how IMD will ensure that Chinese companies are not allowed to participate due to Land Border regulation as per the GFR rule 144	The participation of the firms/countries in this tender as per the Government of India rules and regulations.
5(b)	M/s Pollution Equipment & Controls, New Delhi		The product in question is manufactured by overseas company who has been in the business for several decades with proven performance, hence please clarify whether the qualification criteria both in terms of technical, commercial and number of orders received and executed would be considered if quoted by local vendor.	The qualification criteria, including technical and commercial aspects as well as the number of orders received by the authorized dealer/vendor, will be considered while evaluating the tender. The relaxation as per MSE guidelines is applicable to this tender.
5(c)	M/s Pollution		In view of above , how the Make in India clause	Indian manufacturers or authorized vendors may

	Equipment & Controls, New Delhi		will be imposed and evaluated, because during the testing and trail at WMO intercomparison the complete equipment was put to test and evaluated and bench marking was done based on the hardware and software that was presented before the WMO appointed committee who has evaluated the data from different flights that was taken , if the MII is imposed, since it would not correspond to what has been presented during the Trial and now any value addition would make the report redundant	explore technology transfer or collaboration with original equipment manufacturers (OEMs) to localize production while ensuring compliance with WMO benchmarks. The relevant document must be submitted.
5(d)	M/s Pollution Equipment & Controls, New Delhi		Considering the value of tender and its associated cost, it would be too difficult for local vendor to fund for the projects, pay to the OEM in advance as they would not ship the material, pay the customs duty upon approval, also the GST component, arrange the delivery of system to different sites , then wait for payment which has long gestation period , hence it would be prudent to go in for Global Tender, as this would be economical for IMD also to get the proven technology at much better cost.	Not accepted. The current tender is domestic.
5(e)	M/s Pollution Equipment & Controls, New Delhi		Also please share the template of NCMRWF/ECMWF data formats	TAC data and BUFR data template of NCMRWF/ECMWF are shared for reference.

5(f)	M/s Pollution Equipment & Controls, New Delhi		Please confirm, if we can split the shipment into 2 Batches: Batch1 (4 months after supply order): 43 Gound stations 17200 x Radiosondes Batch2 (8 months after supply order): 17200 x Radiosondes As all Systems shall be installed / commissioned 8 months after supply order only, there is no Need for the full quantity of radiosondes before that date.	Not accepted. No splitting is allowed in this tender.

All the bidders are advised to comply with the above clarifications and follow the instructions in the Tender Document.

21/03/2025

Dr. Akhil Raj S T
(Member Secretary)

21/03/2025

Shri Harmeet Sawhney
(Member)

Smt. Sonia Gupta
(Member)

21/3/2025

Shri M I Ansari
(Member)

Dr. Indira Rani
(Member)

Shri Gajendra Kumar
(Member)

M. V. Ratnam

Dr. M. Venkat Ratnam
(Chairman)