### 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 Electronic s Technolog y, 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 Electronic s	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/commissioni ng of the station as per RFP.

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VEID -	Technolog	Thorse Personal Control	page no. 14 point 2.0	
	y, New		Completion date of	
	Delhi		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	(
		and the principle by standing	numbers of GPS	
			radiosondes and 43	
			ground systems to be	
	He trans		delivered [DAP] within	
			Four months from the	
			date of issue of Supply	
			Order and	
			installation/commissioni	Les rations and the
			ng to be completed	egha, I permit nit is
			within Eight months	
			from the date of issue of	
			Supply Order. You are	
			requested to please	
	A beginning	e Fundad garbadbi n. 7	confirm the required	
			delivery period required?	Carl Carls Make the Hall Son
	M/s SS	RFP Page no. 22 point	Our company is 100%	As now the order No. 1
(c)	Micro	3.3: Eligibility of	Indian-owned and has a	
(0)	Electronic	bidders from specified	The second secon	&/10/2021-PPD(1)
	POST CORP. MAX SOLES OF TRANSPORT AND CORP.	countries.	Technology Transfer	Government of India
	S Tachmalaa	countries.	(ToT) agreement with a	Ministry of Finance
	Technolog		company that share land	
	y, New		border with India. As per	
1	Delhi		the ToT agreement we	(including an India
			will be manufacturing	
			their product which has	Transfer of Technolog
	d Sunty,		participated in the	(ToT) arrangement wit
			WMO's inter-	an entity from a country
			comparison in India	sharing a land borde
	of my fit wife		under this agreement,	with India will be eligibl
			using raw materials	to participate in an
			supplied by the foreign	procurement whether for
			company. Since raw	goods, service
			materials and	(including consultance
			components are	and non-consultance
			explicitly allowed as per	services) or work
			Clause 3.3(2) of the RFP,	(including turnkey
			so please confirm that are	projects) only if th
			we eligible to bid without	bidder is registered with
			requiring DPIIT	the competent authority
				Bidders must strictly
			registration.	-
		yszaluk julij. Pauš i		adhere to Government o
				India guidelines when
				submitting their bids.

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	M/s SS	DED Dogs no 28 noint	As nor the alongs on	Didden was Call Mal
1(d)	Micro SS	RFP Page no. 28 point 4.1.7: Manufacture	As per the clause on 'Manufacture under	Bidder may follow Make
1(u)	Electronic	under license/ transfer	License / Transfer of	in India norms and
	S	of technology /		submit the required document from the
	Technolog	collaboration	Technology / Collaboration	
	y, New	agreements with	Agreements with Phased	competent authority.
	Delhi	phased indigenization	Indigenization,' the	
	Demi	phased margemzation	Procuring Entity may	
			grant exemption from	
			local content	
			requirements if a product	
			is developed abroad but	
			manufactured in India	
			under ToT. In this regard	
	tiq as reals		you are requested to	
	DEMINORAL IN		please clarify the	
			following:	
			• What is the	
			process for obtaining an	
			exemption letter?	
	Alle 3		What specific	
			details should be	also and a second
			included in the phased	
	Marinos III.		indigenization plan?	
			• Is there a	
			minimum local content	
			percentage required in	
		i minis	the first phase?	* F4
	M/s SS	RFP Page no. 102	As per WMO CIMO	Yes, as per RFP, and as
l(e)	Micro	point 1.4: As	Guide No. 8, radiosonde	recommended by the
( )	Electronic	recommended by the	measurement accuracy	WMO CIMO Guide No
	S	WMO CIMO Guide	should be verified in a	8, the accuracy of
	Technolog	No 8, radiosonde	controlled environment	radiosonde
	y, New	measurement accuracy	before launch to ensure	measurements should
	Delhi	should always be	reliable calibration and	always be checked in a
	Latte	checked in a controlled	prevent erroneous data	controlled environment
	- 0000000	environment before the	due to transportation or	before launch. This
	a last	radiosonde is launched	storage conditions. Some	ensures that faulty
	California Name	to prevent the launch	systems use an onboard	radiosondes are not
	Constant right	of faulty radiosondes	temperature and	deployed and improves
		and to improve	humidity sensor placed at	calibration accuracy by
	OF U	calibration accuracy by	the receiver's back to	accounting for minor
	100	adjusting for small	compare readings with	changes in calibration
	32.0 1.7	changes in calibration	the radiosonde. However,	that may have occurred
	- Institute	that may have occurred	such a method does not	during transportation and
	//	when the radiosonde	provide a stable, controlled environment	storage. The necessary equipment and software
		was transported to the	1995 AV 1995	for this purpose must be
		launch site and during	and is susceptible to external influences like	included in the system.
		storage. Necessary	ambient temperature	meraded in the system.
VIV45:53		equipment and	amoiem temperature	

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		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?  Critical dates mentioned	Critical dates as per the
2(a)	M/s Azista Industries Pvt. Ltd., Ahmedaba	Appendix to NIT: Tender Information Summary 3.0 Critical Dates Page no.: 14	in RFP is of 2023 which are already due. Kindly clarify.	GeM Bid Document.
2(b)	M/s Azista Industries Pvt. Ltd., Ahmedaba d	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.		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

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Inc Pv Ah d	zista dustries vt. Ltd., hmedaba  I/s zista dustries vt. Ltd.,	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.  Gem tender notice Page no.: 1 Bid Offer Validity	Bid validity mentioned in RFP for 240 days while in GEM tender notice bid validity mentioned for 180 days. Kindly clarify.  Bid Offer Validity (From End Date): 180 days	The Bid offer validity is 180 days, as per the GeM Bid Document  The Bid offer validity is 180 days, as per the GeM
2(d) Az Ind Pv Ah d	zista dustries vt. Ltd.,	Page no.: 1	End Date): 180 days	
2() 34/	hmedaba	(From End Date): 180 days	Kindly clarify.	Bid Document
Az Inc Pv	I/s zista dustries vt. Ltd., hmedaba	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.
Inc Pv	I/s zista dustries vt. Ltd., hmedaba	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.	participated in the WMO's Upper Air Instrument Intercomparison Campaign in 2022 (UAII-2022) held in	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

results from the Additionally, intercomparison meet the the of accuracy specified standards. radiosonde sensors (for Temperature, Relative Humidity and Wind Vector) (Horizontal) by the offered should manufacturer fall within the time limits of the WMO's ORUC Threshold OT for Global values Weather Numeric Prediction and Real-Monitoring Time applications, 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 Instrument Air Intercomparison Campaign. actively APPENDIX No. We have M/s 2(g) participated in Technical Azista Upper WMO's Specifications Industries Instrument Measurement Pvt. Ltd., 2. Intercomparison accuracy requirements. Ahmedaba Campaign in Point 2.1 d held (UAII-2022) Page no. 102 Germany campaign, we are facing challenges in The Temperatureclearly understanding the of the accuracy requirements specified in radiosonde temperature the RFP and how our sensors offered by the performance results align manufacturer should with those expectations. fall within limits of the **ORUC** would greatly WMO's appreciate your support Threshold  $\Theta^T$  values in helping us interpret the for Global Numeric RFP requirements and Weather Prediction and whether evaluate Real-Time Monitoring

applications,

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

Real-time Monitoring. the The results are also represented graphically in Table 11.3 (Global Numerical

Weather Prediction and Real-time Monitoring).

Additionally, the ORUC assessment function, its with along measurement accuracy, measurement error, and the standard deviation of individual the measurement error radiosonde. your detailed in Tables 10.3 to 10.5. Further, the TEC committee will evaluate the result accordingly.

technical The specification is as per the RFP.

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specified standards.

results

The required accuracy of the temperature sensor is provided in the report of Upper Air WMO's Instrument Intercomparison Campaign 2022 (UAII-2022). This report was published in March 2024 Table 9.2. under Subsection 2.1. Global Weather Numerical Prediction and Real-time Monitoring. The results represented are also graphically in Table 11.3 Numerical (Global Weather Prediction and Real-time Monitoring).

function, assessment with its along

Additionally, the ORUC

Instrument

2(h)	M/s	intercomparison campaign  APPENDIX No. 1	We have actively	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.  The technical
2(II)	Azista Industries Pvt. Ltd., Ahmedaba d	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 <sup>T</sup> 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.	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	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 or your radiosonde's humidity, is detailed in Table 10.3. Furthermore the TEC committee will evaluate the results.
2(i)	M/s	APPENDIX No. 1	We have actively participated in the	The technical specification is as per the
	Azista Industries Pvt. Ltd.,	Technical Specifications	participated in the WMO's Upper Air Instrument	RFP.

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The ORUC assessment Intercomparison Measurement Ahmedaba measurement function, 2022 Campaign accuracy requirements. and the accuracy, held in (UAII-2022) Point 2.3 standard deviation of the Germany campaign, we Page no. 102 individual measurement are facing challenges in of your clearly understanding the error and Pressure requirements specified in radiosonde's height Geopotential Geopotential height and the RFP and how our Radiosonde The Pressure are detailed in performance results align have must offered Table 10.4. Furthermore, with those expectations. the participated in the TEC committee will greatly would We Air WMO's Upper results the evaluate appreciate your support Instrument in helping us interpret the accordingly. Intercomparison RFP requirements and Campaign in 2022 in whether our evaluate Same Germany. from the technology/methodolo results intercomparison meet the gy demonstrated in the specified standards. WMO's UAII -2022 should be used in the offered radiosondes for measurement/calculati atmospheric of on pressure geopotential height technical The actively We have **APPENDIX** specification is as per the M/s 2(j) in the participated Technical Azista RFP. Air Upper WMO's Specifications Industries Instrument Measurement The required accuracy of Pvt. Ltd., accuracy requirements. Intercomparison Ahmedaba vector Wind the 2022 in Campaign Point 2.4 (Horizontal) is provided d held (UAII-2022) Page no. 102. in the report of WMO's Germany campaign, we Upper Air Instrument are facing challenges in Wind The accuracy of Intercomparison clearly understanding the the radiosonde wind Campaign 2022 (UAIIrequirements specified in (Horizontal) 2022). This report was vector the RFP and how our the published in March 2024 offered by performance results align should manufacturer 9.2. Table with those expectations. under fall within the limits of Subsection 2.1, Global would greatly the WMO's ORUC We Weather Numerical appreciate your support Threshold  $\Theta^T$  values Prediction and Real-time in helping us interpret the for Global Numeric Monitoring. The results RFP requirements and Weather Prediction and represented also whether our evaluate Real-Time Monitoring graphically in Table 11.3 the results from applications, Numerical intercomparison meet the (Global outlined in Table 9.2, Weather Prediction and specified standards. Tables 10.3 to 10.5 and Real-time Monitoring). 11.3 of the Table WMO report on the Additionally, the ORUC WMO's 2022 Upper function, assessment Instrument 8

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		Intercomparison		along with its
	101.000	Campaign.		measurement accuracy
		Campaign.		measurement error, and
				the standard deviation o
	the state of the	MANUAL ENGLISHED	TERMINE CO.	the individua
	ewellin ar	District the same	de Sel-Sang	measurement error of
	ACCESS OF FREE	white a time		your radiosonde's wind
				vector, is detailed in
				Table 10.5. Furthermore
				the TEC committee wil
			and the same of th	
				evaluate the results
				accordingly.
2(k)	M/s	white a sector in the	This has reference with	The tender criteria are
` '	Azista		above Tender Enquiry	based on the operationa
	Industries		regarding requirement of,	standards of GPS
	Pvt. Ltd.,		Procurement of 34,400	Radiosonde
			Nos. of GPS	recommended in the
	Ahmedaba			TO THE REPORT OF THE PROPERTY
	d		Radiosondes along with	WMO's Upper Ai
			43 Nos. of compatible	Instrument
	1943		ground receiving and	Intercomparison
		All le 60.	processing systems. The	Campaign 2022 (UAII
			tender conditions allow	2022) report, published
			only those companies to	in March 2024. The
			bid which have taken part	ORUC Threshold $(\Theta^T)$
				values represent the
			must have participated in	
			the WMO's Upper Air	minimum requirement
			Instrument	for operational standard
			Intercomparison	data for Globa
			Campaign in 2022 (UAII	Numerical Weather
			-2022) in Germany.	Prediction and real-time
			Additionally, the	- 1000 2000 Page 25 - 1000 Page 25 Pag
			accuracy of the	Table 9.2.
			radiosonde sensors (for	14670 3.2.
			1	This is a domestic tende
			Temperature, Relative	(MANAGEMENT) 1771
			Humidity and Wind	that gives preference to
	1990117		(Horizontal) Vector)	MSEs and startups. Bid
			offered by the	are open only to Class
		and the Ellips Labor	manufacturer should fall	local suppliers and Clas
			within the time limits of	II local supplier o
	- 171		the WMO's ORUC	dealers authorized by the
			Threshold OT values for	Principal/OEM. As pe
			Global Numeric Weather	the Government o
			Prediction and Real Time	India's procuremen
			ELECTRONICAL ACTION OF THE CONTROL O	
			Monitoring applications,	policies, purchas
	A III THE BOA		as outlined in Table 9.2,	preference will be given
			Tables 10.3 to 10.5, and	to Class I local suppliers
		final being Asset	Table 11.3 of the WMO	There is no exemption of
			report on the WMO's	relaxation in the
			2022 Upper Air	qualification criteria fo
			11	this tender, as IMI
		The state of the s	Instrument	The state of the s
		a dawdanasa m	Intercomparison	cannot compromise of
	1		Campaign.	the quality of data and

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Azista is an indigenous company Indian specializing in Upper Air Systems Sounding has (UASS) and the participated in WMO's UAII-2022 in While Germany. our products are currently slightly short of the accuracy required 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.

Indigenous 1. development under India make initiatives

Azista is MSME and has independently researched, designed, and developed a complete suite of UASS, including GPS radiosondes, and accessories, processing specialized software tailored to IMD defense Indian and forces' requirements.

Over several years, we have conducted extensive validation flights significant and investment development, manpower, and technology advancement.

qualified by Committee Evaluation (certificate attached).

sensors. The data will be operational for used purposes, and even small deviations could measurements hamper or impact all related applications.

certificate was The issued in 2021 as part of radiosonde the intercomparison conducted by IMD for procurement the indigenous radiosondes Indian from vide manufacturers, reference tender CPU/53/0620/1532, TEC of the part The evaluation. certificate was valid only for that specific tender process.

Our products have been technically evaluated and IMD's Technical and

## 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 longestablished experienced and suppliers in their respective countries and worldwide, Azista relatively is a new has and entrant received nonetheless positive feedback and guidance for improvements.

Since our participation, have diligently we worked on enhancing our product to align with WMO's prescribed accuracy standards the based on 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.

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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.

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ull			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 Electronic s (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 Electronic s (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 Electronic s (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 Electronic s (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.	
			We request an	No exemption in the
	M/s Sertel	THO III CHICATOR	exemption regarding the	qualification criteria.
8(e)	Electronic		WMO inter-comparison	1
	s (Pvt.)	offered, comprising	process. We are in	Oualification criteria as
	Ltd.,	ground equipment and		
	Chennai	radiosondes, must have	OEM of radiosonde, We	P **
		participated in WMO's	believe that our product	
		Upper Air Instrument	meets the necessary	
		Inter-comparison	standards. We prove our	MSE exemption for years of experience as per
		Campaign in 2022	product field trial at your	
	a say w	(UAII-2022) in	end.	
		Germany. Additionally	chd.	
		the accuracy of the	We are tried to	
		radiosonde sensors (for	participate in WMO	
		Temperature, Relative	inter-comparison 2022,	
		Humidity and Wind	unfortunately we are	
		(Horizontal) Vector)	unable to participate due	
		offered by the	to Limation of	
		manufacturer T) values of Global Numeric	participation. We are	
	9-19	Weather Prediction	very much interested in	
		and Real-Time	future opportunities and	policy.
			plans to participate in	
	The last of	Monitoring	WMO inter-	
		applications, as outlines in Table 9.2,	comparisons.	
	and the language of	Table 10.3 to 10.5, and	Comparisons	
		Table 10.3 to 10.3, and Table 11.3 of WMO	We would greatly	
		report on the 2022	appreciate your	fig.
		Upper Air Instrument	consideration of our	
		Inter-comparison	request and are open to	
	Lorentee	Campaign.	discussing this matter	*
Tally a	e Inches (de To	Campaign.	further.	
4( )	24/-	Para 3.4 Conflict of	Avantel Introduction:	MSE exemption for year
4(a)		Interest.	M/s Avantel Limited, is a	
	Avantel	Point No:8 and 12.	technology-driven	Government of Indi
	Limited,	37 17 16	AS9100D, ISO	policy.
	Hyderaba	KIT Tage 140. 15,10.	9001:2015, ISO	1
	d	Bidder must have	14001:2015, ISO	
		executed successfully	45001:2008, ISO/IEC	
		supply order of GPS	17025:2017 & ISO	MSE exemption for years of experience as per Government of India policy.
		Radiosonde or similar	27001:2013	
		instruments in the	CEMILAC certified	
		last five years	MSME company in India	
		Relaxation on	with a legacy of more	
		experience,	than 30 years. Avantel, a	ı
		performances and	technology-driven,	
		turnover are applicable		
		as per government	Company involved in	n
		norms under make in	Design, Developmen	
		India program	and Manufacture o	
	1	IIIuia programi	250000000000000000000000000000000000000	· ·

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4(b)	M/s Avantel Limited,	Section D: Technical Specifications: Sr No 1	Communication and Satcom systems focusing on indigenous solution 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  Is it mandate for manufacturer of the system is to be	g s n e e e e d n r e e , ,
4(c)	Hyderaba d	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	participated in the WMO's Upper Air Instrument Intercomparison Campaign in 2022 (UAII -2022) in Germany.  Please clarify	Intercomparison in 2022 in Germany is mandatory as per RFP.
4(c)	M/s Avantel	Section D: Technical	Please share the WMO report or else share the	WMO Upper-Air Instrument
	Limited,	Specifications	technical specs of	Intercomparison 2022
	Hyderaba d	Sr no 2 Measurement accuracy requirements RFP Page No 94	Temperature, Humidity, Pressure and Geopotential height, Wind etc	report is available on the WMO website for free download.
		Measurement accuracy requirements like	Please Provide details.	The self (spe

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		Temperature, Humidity, Pressure and Geopotential height, Wind	Disease marride Moles	IMD using/used the
4(d)	M/s Avantel Limited, Hyderaba d	General	Please provide Make, Model No, and Country of origin of GPS Radiosonde equipment which IMD used earlier. Please Provide details	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 Equipmen t & 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	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 order received and executed would be considered in quoted by local vendor.	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 claus	

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	Equipmen t & 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	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.
<b>=</b> (3)	2.61	 report redundant	Not accepted.
5(d)	M/s Pollution Equipmen t & 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.	The current tender is domestic.
5(e)	M/s Pollution Equipmen t & Controls, New	Also please share the template of NCMRWF/ECMWF data formats	TAC data and BUFR data template of NCMRWF/ECMWF are shared for reference.

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5(f)	M/s Pollution Equipmen	10 - 21 %		Please confirm, if we can split the shipment into 2 Batches: Batch1 (4	Not accepted. No splitting is allowed in this tender.
	t &	al-Lugare		months after supply	
	Controls,	skilles i		order): 43 Gound	14 194 1
	New			stations	
	Delhi			17200 x Radiosondes	
	See II of the see			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	
			mand with	quantity of radiosondes before that date.	

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

Dr. Akhil Raj S T (Member Secretary)

> Shri M I Ansari (Member)

Shri Harmeet Sawhney (Member)

Dr. Indira Rani (Member) Smt. Sonia Gupta (Member)

Shri Gajendra Kumar (Member)

Dr. M. Venkat Ratnam (Chairman)

M. V. Rail