

**Minutes of Pre-bid meeting for "Procurement of 10 Nos of X-Band DWRs including 4 numbers of X-Band DWRs for Govt. of Uttar Pradesh" held on 13.10.2023**

India Meteorological Department (IMD) has issued the tender through GEM portal vide GeM Bid No: GEM/2023/B/3992453 dated 29-09-2023 for procurement of 10 numbers of X-Band DWRs including 4 numbers of X-Band DWRs for Govt. of Uttar Pradesh. The competent authority constituted a Pre-Bid Committee vide DGM-240130(15)/1/2022-UAID dated 10<sup>th</sup> Oct, 2023 for conducting Pre-Bid meeting to provide the clarifications to the likely suppliers as per provisions of the tender, consisting of following members:

1. Dr. D. Preveen Kumar, Sc. 'G', NCMRWF	Chairman
2. Relief Commissioner, Govt. of UP	Member
3. Prof. Rajesh Upadhyay, Scientist-SE, RSAC, UP	Member
4. Sh. S Gopal Krishna, Director, IFD, MoES	Member
5. Sh. Gajendra Kumar, Scientist-F & Head UAID, IMD	Member
6. Sh. B. A. M. Kannan, Scientist-F, IMD	Member
7. Dr. Sankar Nath, Scientist-F & F.O., IMD	Member
8. Ms. Arpita Rastogi, Scientist-D, IMD	Member-Secretary

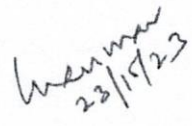
The Pre-Bid meeting was conducted as per schedule on 13.10.2023 at 11:00 hours in hybrid mode i.e., in the Conference Room of Mausam Bhawan, IMD, New Delhi through physical mode and online mode. All members were present during the meeting through VC and physical mode. The meeting was attended by Head CPU for providing necessary inputs regarding purchase procedures. The bidders from the following firms attended the Pre-Bid Meeting: -

1. M/s. Azista Industries Private Ltd, Ahmedabad
2. M/s. Data Patterns India Pvt. Ltd., Chennai
3. M/s. SGS Weather & Environmental, Gurugram
4. M/s. Astra Microwave Products Ltd., Hyderabad
5. M/s. Bharat Electronics Ltd., Bangalore
6. M/s. Tata Advanced Systems Limited, Noida
7. M/s. Meteopress, Czech Republic



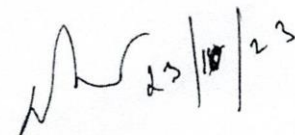
  
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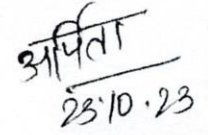
  
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The Committee discussed and deliberated on all Pre-Bid queries submitted by prospective bidders vis-à-vis the published tender document. The detailed Clarifications to the queries raised by various firms in writing via email is as follows:

S. No	Tender Page No	Point Description	Firm Query/Clarification	Recommendation by Committee
<b>1. M/s. SGS Weather &amp; Environmental, Gurugram</b>				
i.	Page No: 34, Chapter – 3, SCC, Point: 1 General Requirements	Two online UPSs, in redundant mode and each with minimum capacity of 10KVA each or suitable capacity required for continuous operation of entire DWR system, along with separate battery banks. Each UPS should have at least 30 minutes power back-up and should be capable of taking the full load of radar.	Each UPS should have at least 30 minutes power back-up” at Whereas in chapter 3, Section 2, Overall system requirements Table – 1 Technical specification, item 2.43 (page 41) “Two UPSs...., to run the whole radar system for at least 60 minutes.” We request you to please remove the discrepancy in the tender docs.	The clause is to be read as “Each UPS should have at least 30 minutes power back-up and should be capable of taking the full load of radar.”
ii.	Page No: 10, Chapter – 1, ITB, Point: 13 (a) and (b)	a) IMD reserves the right to inspect goods at factory site/supplier site before their dispatch if required and mentioned in technical requirement (TENDER DOCUMENT) section. b) FAT shall be undertaken by IMD based on mutually acceptable terms and condition.	In the list of deliverables and price bid, this item is not seen included.	The travel and lodging charges of IMD team designated to conduct FAT is borne by IMD. Therefore, not included in list of deliverables.
iii.	Page No: 52, Chapter – 3, SOR.	TRAINING: a) The contractor shall provide factory	Please confirm the number of days (3 x 5 working days or 3 x 6	The number of days shall be 3 x 5 working days. The training hours

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	Point: 13	training in operation, maintenance, calibration and fault identification of the radar system along with modification & up-gradation in application software to 4 persons from IMD for a period of 3 weeks.	working days or 21 days). This will be required for pricing the training (rate per day or per hour basis x number of days or hours). Also get the training hours per day for the site training for 5 days.	shall be 08 hours each day.
iv.	Page No: 56, Chapter – 4, Price Schedule, Point: 6	Peripherals at 10 sites as per detail at 2.40, Page No.36	Please confirm the peripheral: As per details 2.40 Page No: 36 or As per details 2.41 Page No: 40-41	The clause to be read as “Peripherals at 10 sites as per details 2.41 Page No: 40-41”
v.	Page No: 57, Chapter – 4, Price Schedule, Point: 11 and 23	11. Tower 23. Towers for installation inclusive of all civil works	“Tower” seems redundant as per Price Schedule and List of Deliverable.  Please confirm.	Point. No. 11 treated to be deleted.  Point no. 23 ‘Towers for installation inclusive of all civil works’ to be retained.
vi.	Page No: 33, Chapter – 2, CoC, Point: 25 (o)	Supplier shall deploy trained manpower at each site preferably Graduates in Engineering in Electrical / Electronics / Communication for operation and maintenance for round the clock support.	However nowhere else in the CAMC clause, price schedule or List of deliverables this item is seen mentioned.  Please confirm.	Chapter – 2, CoC, Point: 25 (o) is deleted.
vii.	Page No: 40, Chapter – 3, SOR, Point: 2.41	Peripherals	(NAS storage with RAID with archival for 05 years of base products as in 2.39)  This para refers to 2.39 however at 2.39 is sun calibration.	The clause to be read as “NAS storage with RAID with archival for 05 years of base products as in clause 3, Archival of Radar Data at Page No. 42.

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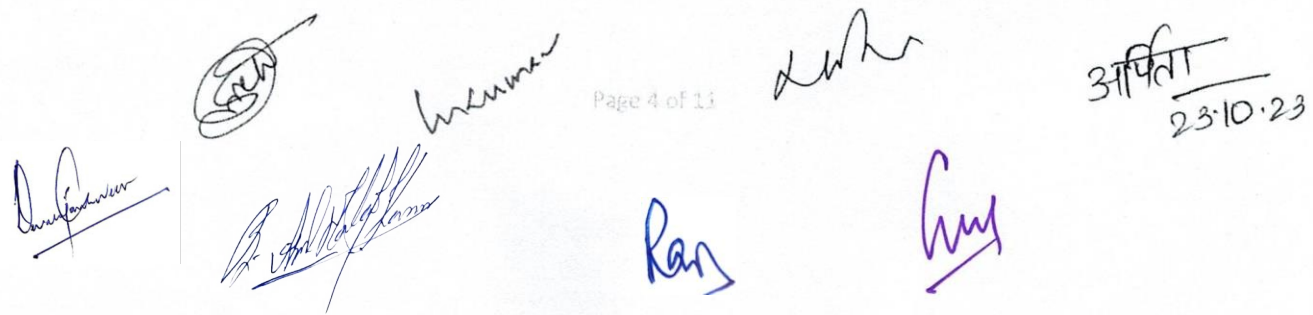
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2.	<b>M/s. Azista Industries Private Ltd, Ahmedabad</b>			
i	<p>CHAPTE R-2 Conditions of Contract (CoC) Page no.14 5. Qualificati on criteria for Bidders:</p> <p>IV. Experienc e and Past Performan ce</p>	<p>The Bidder shall satisfy the following criteria to qualify during the last ten years from the date of submission of Bid:</p> <p>The Bidder must have executed successfully supply order for Doppler weather radar.</p> <p>In support of experience, past performance and capacity/capability should be authenticated by the person authorized to sign the tender on behalf of the bidder. Original Documents must be submitted for inspection, if so demanded. Relaxation of Norms for Startups and Micro &amp; Small Enterprises in Public Procurement on Prior Experience-Prior Turnover criteria shall be considered as per the MSME Policy Circular No. 1(2)(1)/2016-MA dated 10th March 2016 under which in exercise of Para 16 of</p>	<p>Azista Industries Pvt. Ltd. is in the business of Hydromet, Radar surveillance, Drone detection system, &amp; aerospace related products and services. We are OEM of the Doppler Weather Radar with Class I local supplier having more than 50% of local content under Make In India Policy.</p> <p>We are in business for more than 5 years and with philosophy of research, Innovate &amp; Progress. We have indigenously and in-house developed Weather Radar system for coastal surveillance and drone detection. Below are the few examples of our growing portfolio in Doppler weather radar.</p> <p>1. Ku Band Medium Range Radar, Short-Range Radar, Very Short-Range Radar to detect humans (crawling/walking/runnin g), small/large ground vehicles, low altitude drones /aerial vehicles, boats.</p> <p>2. Ku Band Coastal Surveillance Radar to</p>	As per RFP.


  
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		<p>Public Procurement Policy for Micro and Small Enterprises Order 2012, it is clarified that condition of prior turnover and prior experience is relaxed with respect to Micro and Small Enterprises in all public procurements subject to meeting of quality and technical specifications.</p>	<p>detect and locate these coastal intruders either in swimming person or in small, slow boats or in fast motor boats and under almost all-weather conditions</p> <p>3. X band Drone Detection Radar detect and classify drones swiftly and smoothly.</p> <p>We have been associated with scientists who have indigenously developed first Doppler Weather Radar (DWR) in the country and who has designed, developed &amp; commissioned Polarimetric Doppler weather radars in S band, C band and X band.</p> <p>We can demonstrate our in-house developed x-band and KU Band Radars as a capability.</p> <p>With consideration of above capabilities, we humbly requesting you for exemption of experience criteria for MSME companies also to have healthy competition for tender participation and to boost Indian MSME OEM with class I local supplier bidder under Make in India policy supported by Government of India as</p>	
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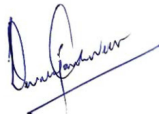
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			you already given exemption to Start ups and MSE Companies.	
ii.	CHAPTER -2 Conditions of Contract (CoC) 4. Price Preference Page no: 11	Price preference shall be given to Micro and Small Industries registered as manufacturers for weather radar equipment as per requirement of tender document with National Small Industries Corporation or any other government agencies as per the latest guidelines/orders from Government of India.	In addition to MSE Companies, we request you for consideration of MSME - OEM with Make in India Class- I supplier for price Preference.	As per tender document. Provisions to MSEs are already available in tender as per latest guidelines/orders from Government of India and cannot be extended to MSMEs.
iii.	CHAPTER -2 Conditions of Contract (CoC) 7. Earnest Money Deposit (EMD): Page no: 16	In addition to the above "Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME)" are exempted from submission of EMD (bid security).	We request you for exemption of EMD Submission for MSME companies also as you already given exemption to start up & MSE Companies to have more participation in tender and to have healthy competition.	As per tender document.
<b>3. M/s. Bharat Electronics Ltd., Bangalore</b>				
i.	Chapter-3 Page no. 37 2.4 Unambiguous Velocity	30 m/s or better with ambiguity resolver	Please specify the range (Km).	The range is clarified as 100 Km.
	Chapter-3 Page no. 38	Page 38: 2.26) Lightning rod with dual ground	Lightening Rod and Aviation warning lamp requirement is mentioned	One set of Lightening rod and Aviation warning lamp is


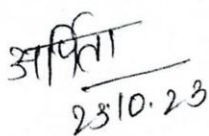
	<p>2.26. Lightning protection 2.28 Obstruction lights Page no. 50 8. Installation</p>	<p>wires. 2.28) Twin Light System with solar powered &amp; auto switch with long life lamps. Roof hatch for maintenance of obstruction lights and entry from bottom; suitable portable ladder for the purpose of maintenance. Page 50: f) Suitable Lightning Arresters for protecting the radar with reliable lightning protection system with deep chemical gel and copper plate-based earth pit shall be carried out by the contractor h) Aviation warning Lamp shall be supplied and installed by the contractor on top of the antenna/radome at appropriate height.</p>	<p>under "Antenna/Radome" (SI No.2.26 and 2.28 in Pg 38) as well as under "Installation" (SI No-8- f and 8-h in Pg 50) Whether one set of Lightening rod and Aviation warning lamp is required or two sets? Please confirm.</p>	<p>required.</p>
<p>ii.</p>	<p>Chapter-3 Page no. 38 2.29. Tower height</p>	<p>20m (minimum &amp; scalable) with quote for additional height for every 5 meters</p>	<p>Type of foundation and tower material are dependent on soil conditions of sites and height of tower, which has commercial implications. Provisioning quote for every 5m without site and tower height information is not possible as stated above.</p>	<p>The additional tower height is optional item, shall not be considered for deciding L1. The soil test shall be undertaken by successful bidder after awarding of contract.</p>

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			It is requested that the tower and foundation requirement is standardised to meet the requirements. Please consider and update RFP	
iii.	Chapter-3 Page no. 42 2.45. Pre-Fabricated cabin	A well-furnished cabin of at least area 900sq. feet is required to meet all operational requirements which includes operational room, Radar Officer room, UPS, stores, Kitchenette, microwave oven, Rest room/Washroom, along with ACs, water cooler, RO, furniture and separate outside canopy housing for D.G. set etc. to make it Convenient for operational staff to work round the clock. The number of floors and dimensions of cabin may vary in size from site to site.	As the dimension of cabin and the number of floors has a binding on the commercial aspect, number of sites that need to be two-floors and single floor along with cabin dimensions may be provided.	The details will be provided to the successful Lowest bidder L1 after the issue of Supply Order.
iv.	Chapter-3 Page no. 47 5.3.2. Hydrology Products	f. Rainfall intensity, rainfall rate and accumulation products shall have an option to be adjusted in real time by Rain Gauge, disdrometer data. Rain gauge and disdrometer data shall be displayed along with the radar data.	Please provide data rate and format	The details will be provided to the successful Lowest bidder L1 after the issue of Supply Order.



		g. Adjustment of rainfall rate by appropriate rain gauge or disdrometer data shall be possible		
v.	Chapter-3 Page no. 49 7.Provision for networking and communication system for data transfer to central location	h) Data of all radars to be overlaid on GIS map with option to include underlay maps from Google, Open Street map or ESRI, Arc GIS etc. GIS server with Open Street map to be provided. The products which are to be overlaid are: <ul style="list-style-type: none"> <li>• Reflectivity</li> <li>• Rainfall</li> <li>• Warnings based on Rainfall, Velocity, Hydrometeor Classification.</li> </ul>	The requirement may please be corrected as "Google GIS with Google maps OR Arc GIS with Openstreet maps"	As per tender document  [WMS tiles are provided by Google, OSM, ESRI-Arc GIS etc. are to be overlaid on these with selectable underlay/overlay options.  However, GIS server with OSM is also required to serve the map tiles to overlay radar products within local LAN]
vi.	Chapter 3 (Page no-54) 15. DELIVER Y SCHEDUL E	First radar shall be delivered (Delivery at Place) installed, accepted and commissioned within 08 months from the date of issue of Supply Order. Rest of the radar systems shall be delivered (Delivery at Place), installed and commissioned within 18 months from the date of issue of Supply Order in a phased manner. In	Delivery within 12 months considering the lead times required for manufacturing, due to long lead time for sourcing of critical components. Subsequently 3 months for installation, acceptance & commissioning from date of issue of Supply Order. Rest of the radar systems shall be delivered (Delivery at Place), installed and commissioned within 24	As per tender document.















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		<p>this regard the contractor will submit the actual schedule along with time line for execution of Installation and commissioning work for each radar.</p>	<p>months. Request to amend RFP accordingly.</p>	
<p><b>4. M/s. Tata Advanced Systems Limited, Noida</b></p>				
<p>i.</p>	<p>Chapter 2 Page-12 5 (I)</p>	<p>Eligibility A) Bid is open to all manufacturers of weather radars in India. The bids are only open for Class I local supplier and class II local suppliers. Purchase preference would be available for Class I local supplier. As per Govt. of India Procurement Policies: "Class-I Local supplier" means a supplier or service provider, whose goods or service offered for procurement, has local content equal to or more than 50% as defines as prescribed in DIPP OrderNo.P-45021/2/2017-PP (BE-II) dated 4th June, 2020 or by the competent Ministries/Departments in pursuance of this order.</p>	<p>TASL is the manufacturer of air surveillance radars and coastal surveillance radars having manufactured, supplied and installed multiple number of such radars for GoI. A Doppler radar is also a radar with the only difference in the signal processing to optimise for weather applications.  Request to amend and relax the bid eligibility refer to point no 5(I) (A) as below - Bid is open to all manufacturers of weather radars in India for encouraging competition in the true spirit of Make in India.</p>	<p>If the product is being manufactured in India under a license from a foreign manufacturer who holds intellectual property rights and where there is a technology collaboration agreement / transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phasing of increase in local content, then experience of manufacturing 1 Doppler weather radar of consortium partner is required.</p>
<p>ii</p>		<p>GeM bid details</p>	<p>Request IMD to extend</p>	<p>As per tender document.</p>











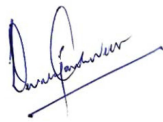




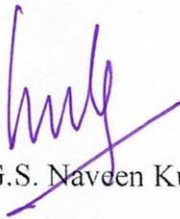
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		indicates bid opening date as 27 <sup>th</sup> Oct, 23.	the date of submission from 27 <sup>th</sup> Oct, 23 by one month.	
<b>5.</b>	<b>M/s. Data Patterns India Pvt. Ltd., Chennai</b>			
<b>i.</b>	GeM bid Page No 3/12	As per your GEM Bid Documents Page No 3/12 " Bid Splitting Not Applied " for this tender and also contradict statement mentioned on the Page No 10/12 which states that "IMD has reserved the right to split the quantity among successful bidders at any stage".	kindly clarify this point in you upcoming corrigendum and also clarify the splitting methodology and Split Ratio (if any) i.e. 60/40 or 50/50 used by IMD for above GEM procurement/Bidding.	The split ratio shall be 50-50 between L1 and L2, provided the L1 price is matched.

**Note:** The said tender on GeM has been uploaded with default (as available on GeM) terms such as payment terms, delivery schedule etc. In all cases, tender document terms shall prevail.



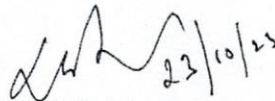
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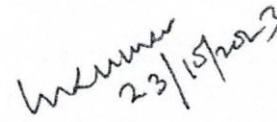
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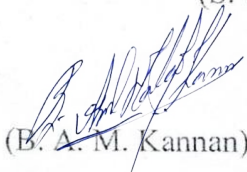
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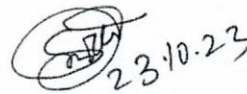
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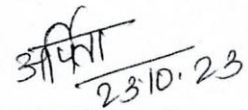
(Gajendra Kumar)



(B. A. M. Kannan)



(Dr. Sankar Nath)



(Arpita Rastogi)