

Minutes of the meeting of Pre-Bid Committee for Procurement of 08 Nos. of polarimetric S-Band DWRs held on 06.02.2025 at 1100 hours IST

India Meteorological Department (IMD) has invited bids vide Tender No.CPU/53/1224/1551 dated: 23.01.2025 for the procurement, installation and commissioning of 08 Nos. of polarimetric S-Band Doppler Weather Radars (DWRs) under Mission Mausam through CPP portal of the Government of India and IMD website. Secretary, MoES has constituted the following Pre-bid Committee vide File No. DGM-HQ-2 4010/2/2024-UAID vide Note#128 dated 30.01.2025 comprising the members mentioned below:

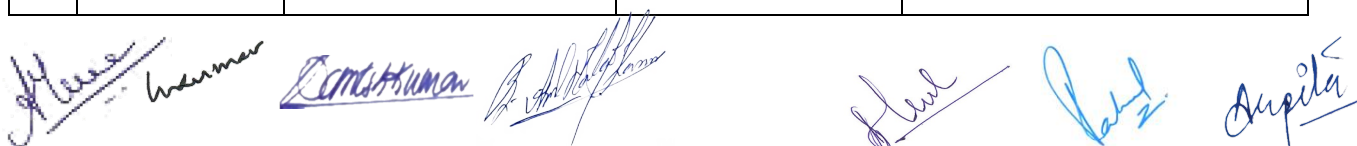
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| 1. Ms. Meera A. Sci./Engr. G, ISTRAC | Chairperson |
| 2. Sh. Gajendra Kumar, Scientist 'F', IMD | Member |
| 3. Shri Santosh Kumar S., DDG (A), IMD | Member |
| 4. Sh. Kapil Dev Meena, Director (Finance), IMD | Member |
| 5. Wg Cdr Rahul Sharma, IAF | Member |
| 6. Shri BAM Kannan, Sc F, RMC Chennai, IMD | Member |
| 7. Sh. Sunil Narayan Thool, Scientist 'E', UAID, IMD | Member |
| 8. Ms. Arpita Rastogi, Sc D, UAID, IMD | Member Secretary |

The representatives from the following firms attended the Pre-Bid meeting:

1. M/s Bharat Electronics Limited, Bangalore.
2. M/s Astra Microwave Products Limited, Hyderabad.
3. M/s Data Patterns (India) Private Limited, Chennai.
4. M/s Electronics Corporation of India Limited, Hyderabad
5. M/s Pollution Equipment & Controls, New Delhi
6. M/s Kyathi Climate Modifications Consultants, Bengaluru
7. M/s Space Energy Systems, Bengaluru
8. M/s Skymet Weather Services, Noida
9. M/s LOTUS Microwave Technologies Pvt Ltd, Hyderabad.
10. M/s Newtech Aerospace Private Limited, Bengaluru

The Pre-Bid meeting was held in hybrid mode on 06th February, 2025 at 11:00 hours IST in the Conference Room of DGM, Mausam Bhawan, New Delhi. Shri Kapil Dev Meena, Dir (F), IMD, Shri BAM Kannan, Sc F and Sh. Santosh Kumar S, DDG-Admin & Procurement could not attend on account of pre-occupied engagements. The committee discussed and deliberated on all 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 various firms in writing via email is tabulated below:

S. N o.	RFP Reference	Requirement as per RFP	Query	Remarks
<u>M/s Bharat Electronics Limited, Bengaluru</u>				
1.	Page No:146	1) Consistent with PRFs specified	Please specify the required	Maximum required unambiguous velocity



	2.4 Unambiguous Velocity	below Sl. No 2.11; 2) Ambiguity resolution upto four times the Nyquist velocity	Unambiguous velocity (m/s)	is ± 60 m/s for a 10cm wavelength system.
2.	Page No:146 2.8 Correction	Radio frequency interference and other corrections to be deployed as applicable for Radar systems	Please elaborate the requirement. Request to provide clarity on the required corrections.	Provision for correcting non-meteorological returns mixed with Weather echoes has to be deployed inclusive of Radio frequency interference (RFI), Bright Band, AP, Biotic, etc .
3.	Page No:147 2.13 Pulse width	0.5 to 4.0u Sec	Which are pulse widths between 0.5 to 4.0u Sec? Please specify.	Pulse widths should be user selectable as 0.5 μ s, 1.0 μ s, 2.0 μ s and 4.0 μ s.
4.	Page No:150 2.43 (c) Calibration	(c) There should be a provision for automatic update of Radar parameters. The calibration setup should be part of the deliverables. (i) Receiver single point calibration in long and short pulse mode	Please clarify: "Long and short pulse mode". OR Request to update RFP as necessary for Klystron based system.	The statement "Receiver single point calibration in long and short pulse mode" to be read as "Receiver single point calibration for all the operational pulse- widths"
5.	Page No: 155 2.54. General	23) The bidder shall be responsible for obtaining and renewing the Wireless Planning and Coordination (WPC) clearance for the frequency license required for the operation of the Doppler Weather Radars (DWRs). The bidder shall provide IMD with all	WPC clearance and first year license payment will be taken care by the bidder. For further years of operation please confirm that the yearly payment will be taken care by IMD for the planned number of years of operation	WPC clearance and first year license payment shall be done by the bidder. Renewal charges for the further years shall be done by IMD. Bidder shall obtain the WPC license in the Name of "India Meteorological Department"

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		necessary renewal certificates or license documentation upon issuance. The necessary statutory documents shall be provided by IMD.		
6.	Page No:161 5.4 (B) Hydrological 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 Radar data. Rain gauge and disdrometer data will be made available by IMD in text format.	As observed in other global Radars, rain gauge / disdrometer data can be displayed along with Radar data. But real-time adjustment is not available with global Radars. Kindly confirm, if display of Rain gauge / disdrometer data along with Radar data for manual comparison is sufficient OR Please share procedure for realtime adjustment.	Rainfall intensity, rainfall rate and accumulation products shall have an option to be adjusted by Rain gauge, disdrometer data. Rain gauge and disdrometer data shall be displayed along with Radar data. Rain gauge and disdrometer data will be made available by IMD in text format.
7.	Page No:162 5.4 (D) Warning and forecasting products	(v) Workstation with TITAN software running in real time should be provided and made available with appropriate data intake.	Please confirm if TITAN software is to be run on a separate work station? If so, please add it as part of "Peripherals" under 2.4.6, page 150	TITAN software shall be run on a dedicated work station at each site, and shall be considered as a part of accessory. "Peripherals" under 2.46, Page 150 to be read as a) Two Workstations (Main & Standby) of latest computer configuration at the time of delivery in terms of mother board chipset, Processor, processor speed, RAM size and speed, Ethernet

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				<p>speed/USB speed, VGA/DVI card memory and hard disk storage with 32" (inches) full UHD resolution, color LED monitor. Both Workstations shall be used for operation, control and monitoring with real time display of the radar; product generation and display of the data shall have Raid 1 Storage of the data to avoid any loss of data.</p> <p>b) Two workstations in redundant setup of latest configuration at the time of delivery in terms of mother board chipset, Processor, processor speed, RAM size and speed, Ethernet speed/usb speed, VGA/DVI card memory and hard disk storage processor with 32" (inches) full UHD resolution, color LED monitor. Both Workstations shall be used for networking/communication purpose.</p> <p>c) One workstation with the setup of latest configuration at the time of delivery in terms of mother board chipset, Processor, processor speed, RAM size and speed, Ethernet speed/usb speed, VGA/DVI card</p>
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				<p>memory and hard disk storage processor with 32" (inches) full UHD resolution, color LED monitor. This Workstation shall be used for TITAN software running in real time.</p> <p>d) One workstation with the setup of latest configuration at the time of delivery in terms of mother board chipset, Processor, processor speed, RAM size and speed, Ethernet speed/usb speed, VGA/DVI card memory and hard disk storage processor with 32" (inches) full UHD resolution, color LED monitor. This Workstation shall be installed at New Delhi and use as central server.</p> <p>e) One portable computer (laptop) of latest version/ configuration, capable of handling functions of (a) & (b).</p> <p>f) One 55" (inches) UHD 4k LED for real time display along with computer of latest configuration and processor to display radar various products in multiple windows.</p> <p>g) One desktop computer of latest configuration processor at the time</p>
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				<p>of delivery for monitoring of radar and data products.</p> <p>h) NAS storage with RAID 6 with archival for 05 years of base products as mentioned in clause no 5 ('Archival of Radar Data').</p> <p>i) Provision for recording and playback of offline data as well as storage of I&Q data.</p> <p>j) Provision for remote radar control, monitoring and operations.</p> <p>k) All software licenses shall be multi-user and open, within radar group without any restriction/hardware lock / soft-lock.</p> <p>l) All the computer/severs must be ensured to be secured by providing firewalls and antivirus software etc.</p>
8.	Page No: 183 Annexure I List of Standard tools and measuring instruments	SI No-4) Signal generator with narrow pulse modulation facility upto X band along with set of test Cables and adaptors/connector s/accessories.	Please confirm if Signal generator upto S band is sufficient.	Signal generator up-to <u>S-Band</u> is sufficient. The standard signal generator should possess the capability to generate pulse RF signals with a Minimum pulse width (PW) of 0.5 μ s and an adjustable pulse repetition frequency (PRF) to meet system requirements.
9.	Page No: 6 2.0	First system to be installed accepted	Considering the time required for	First system to be installed accepted and

	Requirement Details (ITB clause 5.0) Terms of Delivery	and commissioned within 08 months from the date of issue of contract agreement. Rest of the systems shall be delivered, installed and commissioned within 15 months from the date of issue of contract agreement in a phased manner. In this regard, the contractor will submit the actual schedule along with time line for execution of installation and commissioning work for each radar.	procurement of long lead items like Klystron tubes, MW components, Power Amplifiers and manufacturing of Antenna/Radome , the delivery may be modified as 15 months for supply, 2 months for installation and 1 month for commissioning of first radar from date of contract. Subsequently remaining radars to be supplied installed & commissioned in 24 months in phased manner from the date of contract.	commissioned within 14 months from the date of issue of contract agreement. Rest of the systems shall be delivered, installed and commissioned within 24 months from the date of issue of contract agreement in a phased manner.
10	Page No-126 Section-V Special conditions of contract (SCC) GCC 10.3.1	(d) 30% payment towards stores will be made after successful installation, commissioning and acceptance of system at each site.	Site shall be made available for installation & commissioning of radar, immediately after delivery. If site is not handed over/site clearance is delayed by IMD for installation, then 20% amount to released within 3 months of	As per Tender Document.

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			<p>delivery of tems and remaining 10% after installation and commissioning of system.</p> <p>GST is charged at the applicable rate, however if there is any escalation in GST at the time of delivery, the difference in amount needs to be borne by IMD and to be reimbursed.</p>	
1 1	Excel Sheet format of BOQ	BOQ_889085 (.xls sheet)	<p>There is discrepancy in column heading and field entry (comment box). To be corrected by IMD.</p>	<p>Bidders are requested to adhere to the following instructions while filling out the BoQ document:</p> <ol style="list-style-type: none"> 1. If there is any discrepancy between the column header and the comment box in the BoQ document, the column header shall prevail. 2. The term "Rs. P" in Columns 13, 53, and 54 should be interpreted as the quoted currency. 3. Values entered in Columns 13, 14, 15, 17 and 18 must be absolute numbers and no percentages should be entered.

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				<p>4. All the applicable taxes shall be quoted in INR only.</p> <p>5. Bidder shall submit the BOQ in .PDF format also.</p>
1 2	<p>Page No. 208-09 Form 1.1: Bidder Information Para 3- Authorization of person(s) signing the Bid</p>	<p>A company. The person signing the bid is the constituted attorney by a resolution passed by the Board of Directors or in pursuance of the Authority conferred by Memorandum of Association.</p> <p>Documents to be submitted: Registration Certificate/ Memorandum of Association/Partnership Agreement/ Power of Attorney/ Board Resolution</p>	<p>SBU head (General Manager) is responsible for all business decisions, hence GM's authorization letter for person signing the bid will be submitted. For other tenders (IAF, ONGC etc.) also, BEL has been submitting authorization letter issued by SBU head (General Manager).</p>	<p>Authorization letter issued by the competent authority shall be provided along with bid documents.</p>
1 3	<p>Page No: 222 Section VIII Sl. No. 3 (ii) EMD (Earnest Money Deposit)-</p>	<p>EMD (Earnest Money Deposit)- The bidder should enclose bid security (EMD) of Rs. 5,56,00,000/- in the form of Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque, Bank Guarantee, Insurance Surety Bond, from any of the Commercial Banks drawn in favour of DDO, O/o DGM, New Delhi.</p>	<p>1. The Model Bank Guarantee Format for furnishing EMD is not available in RFP. Request to include the same and update RFP.</p> <p>2. The validity period of EMD to be mentioned.</p>	<p>Latest Model Bank Guarantee Format for furnishing EMD in the GFR may be utilized. Format is enclosed as Annexure-1.</p> <p>EMD validity shall be 180 days</p>
1	<p>Page No.</p>	<p>Tentative Sites S Band- 08 Nos.</p>	<p>The exact location (Lat,</p>	<p>Shall be provided to the successful bidder.</p>

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4	181 Appendix - C Section VII		Long coordinates) of each site to be shared. Few of the Sites are located in Island having different terrain/environmental conditions, equipment as well as equipment room have to be configured for 24/7 operations as per local weather conditions.	
1 5	Page No. 8 Critical Dates/Bid submission Date	'Last date for Bid submission' is 18-02-2025 & 'Bid opening' date is 20-02-2025 as per CPP portal. As per Page-17 of Tender document, 'Last date for Bid submission' is 07-02-2025 & 'Bid opening' date is 10-02-2025.	Considering the time required for obtaining competitive quotes from vendors as well as the pre bid minutes release, request to extend the bid submission date till 17-03-2025 (by one month). Also request to update the Critical dates table (Page -8)	'Last date for Bid submission' is 18-02-2025 & 'Bid opening' date is 20-02-2025 as per CPP portal. Extension to last date, if any, will be notified on website.
1 6	Page 140 "Section VI, Schedule of requirements" And Page 171, 16. COMPREHENSIVE ANNUAL MAINTENANCE	As per "Section VI, Schedule of requirements", (Page 140) Operational staff - 4 nos. Supervision staff- 2 nos. Guard - 3 nos. Office boy- 2 nos.	Please confirm which one is the actual requirement. Page 140 or Page 171?	The actual requirement is as per Page 140 i.e. "Section VI, Schedule of requirements", (Page 140) Operational staff - 4 nos. Supervision staff- 2 nos. Guard - 3 nos. Office boy- 2 nos. for each DWR site









	<p>CONTRACT (CAMC):</p> <p>Para-xviii</p>	<p>for each DWR site</p> <p>As per 16.</p> <p>boy: 2 personnel</p> <p>COMPREHENSIVE</p> <p>ANNUAL</p> <p>MAINTENANCE</p> <p>CONTRACT (CAMC):</p> <p>(Page 171)</p> <p>xviii. To ensure the smooth operation of DWRs, the bidder shall</p> <p>deploy its</p> <p>manpower at</p> <p>each radar site. This manpower shall be responsible for</p> <p>operations,</p> <p>application</p> <p>development,</p> <p>supervision,</p> <p>security,</p> <p>and other services related to radar operations. The manpower requirement for</p> <p>each DWR site is proposed as follows:</p> <ul style="list-style-type: none"> • Operational Staff: 2 personnel •Supervision Staff: 2 personnel •Guard: 2 personnel •Office 		<p>It is also applicable for</p> <p>COMPREHENSIVE</p> <p>ANNUAL MAINTENANCE</p> <p>CONTRACT (CAMC):</p> <p>(Page 171)</p> <p>xviii.</p>
17	<p>Page No. 189-201</p> <p>Annexure III Price Schedule</p>	<p>Percentage (%) of Local (Col.7) & Foreign Content (Col.8) for each line items to be mentioned.</p>	<p>Percentage (%) of Local & Foreign Content for individual line items in the BoQ can't be quantified, overall Percentage (%) of Local & Foreign Content will be provided.</p>	<p>The percentage of Local and Foreign content for each item has to be mentioned in the BOQ as well in the .PDF file.</p>

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			Kindly confirm for the same & update the Price Schedule and BOQ_889085 (.xls sheet)	
18	e Tender-Sl. No. 5 (Certificate Details)	Affidavit regarding correctness of bid	BEL being DPSU, undertaking will be provided on letter head. Please indicate the Format to be used.	No such standard format.
19	e Tender-Sl. No.6 (Certificate Details)	Affidavit regarding No near relative working in department		No such standard format.
20	Pg No. 259 Form 1.2: Eligibility Declarations	1) Legal Entity of Bidder	Please clarify	As per Tender Document.
21	Pg. No. 263 Form 1.3: OEM's Authorization	1) We hereby authorize Messrs---- (name and address of the authorised dealer) to submit a bid,	Please clarify. Not applicable in case of OEMs.	OEM authorization is not required to be submitted if the bidder is an OEM.
22	Pg. No. 222 Form 2: Schedule of Requirements - Compliance	a. Column 5- Local Content (%) To be mentioned for each deliverables. b. Column 10- Destination, State	a. Percentage (%) of Local Content for individual line items can't be quantified, overall Percentage (%) of Local Content will be provided. b. For all 8 sites Destination, State to be mentioned?	The percentage of Local and Foreign content for each item has to be mentioned in the BOQ as well in the .PDF file. Bidders may refer the annexure mentioning the list of tentative sites.

M/s Data Patterns (India) Private Limited, Chennai

1	Section VI	Schedule	of	It is mentioned	Bidders may refer the
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	Page no 129	Requirements	as "Destination state" in Column 11 of Schedule of Requirements, please clarify what data need to be mentioned in Column 11.	annexure mentioning the list of tentative sites.
2	Section VII Page no 165 Point 8, vii	Installation	<p>It is mentioned that, the fence to be laid at 30m x 30m area, Please clarify how much area will be provided by IMD</p> <p>For Installation activity Raw electrical power will be provided by IMD? Or bidder need to be take care of it?</p> <p>After providing the site Soil test will be taken care by IMD or bidder need to take care of it?</p>	<p>1. As per Tender Document.</p> <p>2. Successful Bidder shall make necessary arrangements, including bearing all the costs / charges for Electrical Power required for DWR operations need to take care of raw power at the site till the successful commissioning of the DWR.</p> <p>3. Soil testing is under the scope of successful bidder.</p>
3	Section VIII Page no 187	Qualification Criteria – Earnest Money Deposit (EMD)	It is mentioned to Submit EMD, but format EMD for the same has not been provided. Please share EMD format.	Format is enclosed as Annexure-1.
4	Page no 11	Appendix to NIT – Parallel Orders	In quantity splitting point, it is mentioned that, the tender	<p>As per tender document.</p> <p>If two vendors are shortlisted, the quantity shall be split in the order</p>

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			quantity will be split in two or three vendor. In which basis two or three vendors will be splitted.	of 70:30. If three vendors are shortlisted, the quantity shall be split in the order 50:30:20.
5		BoQ file	<p>In BoQ file the quantity is not multiplying with Basic Rate in figures.</p> <p>Two sheets were available in BoQ (BoQ 1 and BoQ 2), in BoQ 2 sheet the line items of DWR is available whereas in BoQ 1 sheet description is mentioned as dummy.</p> <p>We request IMD to amend the BoQ with correct calculations.</p>	<p>Bidders are requested to adhere to the following instructions while filling out the BoQ document:</p> <ol style="list-style-type: none"> 1. If there is any discrepancy between the column header and the comment box in the BoQ document, the column header shall prevail. 2. The term "Rs. P" in Columns 13, 53, and 54 should be interpreted as the quoted currency. 3. Values entered in Columns 13, 14, 15, 17 and 18 must be absolute numbers and no percentages should be entered. 4. All the applicable taxes shall be quoted in INR only. 5. Bidder shall submit the BOQ in .PDF format also.
6	Page 183 point 4	Annexure I List of standard Tools and measuring Equipments	In point 4 Signal Generator it is mentioned "Signal Generator with narrow pulse modulation facility upto X band" please clarify whether the frequency range is	<p>Signal generator up-to <u>S-Band</u> is sufficient.</p> <p>The standard signal generator should possess the capability to generate pulse RF signals with a Minimum pulse width (PW) of 0.5 μs and an adjustable pulse</p>

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			sufficient upto X band or till S band is sufficient.	Repetition frequency (PRF) to meet system requirements.
7	Section VII Page no 169	Delivery Schedule	The lead time of the components are high, so the mentioned project schedule is not sufficient. We request IMD to ammend following delivery schedule. First Radar to be delivered in 12 months at site. Installation and Commissioning of first radar will be 15 months. Remaining Radars will be delivered within 30 months and Installation and commissioning for the same will be completed within three months from the date of delivery at site.	The delivery schedule to be read as "First system to be installed accepted and commissioned within 14 months from the date of issue of contract agreement. Rest of the systems shall be delivered, installed and commissioned within 24 months from the date of issue of contract agreement in a phased manner. In this regard, the contractor will submit the actual schedule along with time line for execution of installation and commissioning work for each radar."
8	Appendix to NIT Page no 8	Bid Submission End Date	Our technical team is working out on this tender and we are also waiting for some quotations from multiple vendors, considering this	As per Tender Document.

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			factor we request IMD to provide due date extension of at least 4 weeks from the existing due date.	
M/s BKC WeatherSys Pvt. Ltd., Noida				
1.			Date of submission (currently 18th Feb 2025) need to be changed to date after min 30 days from posting of pre-bid minutes	As per tender document.
2	2.0 Requirement Details (ITB-clause 5.0) Pg. No. 6	Terms of delivery, completion date Existing clause	<p>First radar to be installed, accepted and commissioned within 08 months from the date of issue of contract agreement. Rest of the radars shall be delivered, installed and commissioned within 15 months from the date of issue of contract etc</p> <p>to be replaced by</p> <p>First radar to be installed, accepted and commissioned within 12 months from the date of issue of contract</p>	The delivery schedule to be read as "First system to be installed accepted and commissioned within 14 months from the date of issue of contract agreement. Rest of the systems shall be delivered, installed and commissioned within 24 months from the date of issue of contract agreement in a phased manner. In this regard, the contractor will submit the actual schedule along with time line for execution of installation and commissioning work for each radar."

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			agreement and final design review agreed and signed by both parties . Rest of the radars shall be delivered, installed and commissioned within 20 months from the date of issue of contract and design review.	
3.	4. Eligibility Criteria Pg. No. 8		Please permit explicitly bidding by one firm which could lead a Joint Venture/ Consortium to include a manufacturer of the product offered. Can same bidder have option to tie up with one or more manufacturer (e.g. one for C and another for X band)	Not pertinent to the current S-band DWRs tender.
5.	9.2.1 Techno-commercial bid/ Cover Pg. No.35		Existing clause "Bidder shall also submit Form 4.1: Performance statement to prove his technical, production and financial capabilities and eligibility, commensurate with requirements of this	OEM and the prime bidder shall be the separate entities within the same Joint Venture. However, Financial standing shall be considered for the prime entity but the experience of OEM shall be considered.

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Ram Kumar

R. M. Sharma

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			tender." should be modified to suitably to include that Performance Statement of the consortium or JV partner will be included to prove FOR technical, production capabilities and FOR eligibility, requirements of this Tender."	
6.	12.3.1: Evaluation of eligibility & 12.3.2: Evaluation of Qualification Criteria Pg. No. 44		The word "satisfaction" needs to be deleted and eligibility and evaluation of qualification precisely defined to overcome any subjectivity	As per model tender document.
7.			Please confirm that MSME or Startups are exempt from EMD and experience and financial standing (page 222 of tender doc) if they tie up with foreign manufacturer of repute.	As per Ministry of Finance O.M. dated 25th July, 2017, the Startups and MSEs (Micro and small enterprises) are exempted from submitting EMD.
8.			Whether servers, civil structures , shelters. towers, ups, gens-sets etc will qualify for indigenous equipment and count towards value addition?	No, only parts of equipments (hardware and software) shall be considered as indigenous equipment.
9.			Will the sites be	Yes, the sites shall be

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			made available before shipment and consequential delays will not count toward penalty applicable for late delivery?	provided before the shipment.
10.			Civil construction of 8 multi-storied radar buildings in government land in 15 months ?- these are mostly under local CPWD control.	The radar shall be tower mounted.
11.			Will the manpower supply costs will be added towards indigenous value addition?	No

M/s Electronics Corporation of India Limited, Hyderabad

1.	TIS(Tender Information Summary, clause 10, ITB Clause 9.4) (Refer Pg.no. 11)	Applicable 2% of Order Value EMD(Bid Security) of Rs.5,56,00,000/- (Mentioned in CPPP portal)	ECIL being a CPSU, Bid Securing Declaration for EMD exemption shall be provided. Please confirm waiver of EMD amount of Rs.5,56,00,000/-	As per Tender Document
2	Terms of Delivery Clause no.2 ITB (Refer Pg. No. 6)	First radar to be installed accepted and commissioned within 08 months from the date of issue of contract agreement. Rest of the radars shall be delivered, installed	The given time line is very restrictive and short for project of Turnkey in nature. Also the lead time for Klystrons is	The delivery schedule to be read as "First system to be installed accepted and commissioned within 14 months from the date of issue of contract agreement. Rest of the systems shall be

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		and commissioned within 15 months from the date of issue of contract agreement in a phased manner. In this regard, the contractor will submit the actual schedule along with time line for execution of installation and commissioning work for each radar.	more, therefore, we request for amending the Delivery Schedule for supply of First Radar system in 18 months and Installation & Commissioning within 24 months & balance complete deliveries in 40 months from the date of issue of the contract agreement in a phased manner.	delivered, installed and commissioned within 24 months from the date of issue of contract agreement in a phased manner. In this regard, the contractor will submit the actual schedule along with time line for execution of installation and commissioning work for each radar."
3	Performance Security Clause 10 (Refer Pg. no. 10)	Applicable 10% of Order Value	ECIL being an CPSU, an Indemnity Bond will be submitted in lieu of Performance Security. Please confirm waiver for BG.	As per tender document.
4	General & Installation (Ref Pg no 142 & 164)	Installation of Radar system will be on Steel tower Structure.	Please confirm on structure for installation of S-band Radar system is made of steel or steel structure over concrete building?	The radar shall be installed on steel tower as per the tender document.
5	Additional Conditions for Rate Contracts, Clause 13.1.2(refer	Parallel Contracts or Splitting of Award	what will be the criterion to distribute the sites between L1 & L2 (some sites	The splitting of sites between L1 and L2 bidder shall be carried out as per tender document, clause No. 13.1.2, point no. 2 with

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	Pg. no 50)		are difficult and infrastructure development is costly on those sites e.g. Car Nicobar)	proper distribution.
6	Price Schedule Pt. no. 38 (Refer Pg. no 201)	Operational staff -4 nos, Supervision staff- 2 nos, Guard - 3 nos, Office boy- 2 nos for each DWR site	Does Manpower required for round the clock at each site?	The manpower as in operational staff and guards are required for round the clock operations. However, the number of manpower as indicated should be maintained.

In addition to the queries received above through email, representative of M/s Space Energy Systems, Bengaluru had requested clarification whether the advance payments and further payment shall be site-wise. The committee clarified that the advance payment shall be on total value whereas further payment shall be site-wise.

The meeting ended thanking all the participants and the committee members.



(Meera A)



(Gajendra Kumar)




(Santosh Kumar S.)



(Wg cdr Rahul Sharma)



(B.A.M. Kannan)



10.02.2025
(Sunil Narayan Thool)



10.02.2025
(Arpita Rastogi)

MODEL BANK GUARANTEE FORMAT FOR FURNISHING EMD

(Format only)

Whereas
(hereinafter called the "tenderer")
has submitted their offer dated
for the supply of
(hereinafter called the "tender")
Against IMD's tender enquiry No
KNOW ALL MEN by these presents that WE
of " having our registered office at
are bound into (hereinafter called the "Purchaser")
in the sum of
for which payment will and truly to be made to the said Purchaser, the
Bank binds itself, its successors and assigns by these presents. Sealed
with the Common Seal of the said Bank this day 20 .
THE CONDITIONS OF THIS OBLIGATION ARE:

- (1) If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- (2) If the tenderer having been notified of the acceptance of his tender by IMD during the period of its validity:-
 - If the tenderer fails to furnish the Performance Security for the due performance of the contract.
 - Fails or refuses to accept/execute the contract.

We undertake to pay the "Director General of Meteorology, India Meteorological Department", up to above amount upon receipt of its first written demand, without IMD having to substantiate demand, provided that in its demand IMD will note that the amount claimed by it is due to owing to the occurrence of one or both the two conditions, specifying the occurred condition / conditions.

This guarantee will remain in force up to and including 180 days or after the finalisation of tender any demand in respect thereof should reach the Bank not later than the above date.

Bank Guarantee issued with the tender enquiry reference No. CPU/..... Dated

(Signature of the authorized officer of the Bank)

Name and designation of the officer

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