

Pre-bid Replies for the GEM bid GEM/2026/B/7531340 dated 12.05.2026 for 'Supply of Magnetrons of X-band and S-band Radars of VTS-GoK'

S.No.	Tender Clause	Bidder's Query	DGLL reply
1.	GEM bid clause (a): The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.	To Exempt submit EMD (Your GeM bid page 2 (a). However, we will submit MII Certificate.	As per GEM, EMD exemption is extended to only manufacturer/ OEM. Resellers/ Traders are not exempted. Accordingly, tender condition prevails.
2.	ATC clause 1.9: Solvency: Bidder should submit the solvency certificate indicating an amount equal to or not less than 40% of the estimated value of this tender. Copy of Fresh Solvency Certificate issued by any scheduled Bank is required to be uploaded and submitted. The date of solvency certificate issued by bank should not be earlier than 3 months from the date of submission of bid.	We can only submit the Solvency Certificate from our Chartered Accountant duly certified by them about our Solvency in the business	Tender condition prevails
3.	GEM bid document page 2: Document required from seller: OEM authorisation certificate	Magnetrons are typically standard components sold through distributors or open marked channels, and therefore OEMs do not provide direct authorisation to individual bidders. Hence, we request you to waive off this requirement.	Eligibility will be ascertained only as per eligibility criteria mentioned in ATC.
4.	GEM bid document page 2: Document required from seller: OEM annual turnover	The OEM has expressed their inability to issue such financial turnover of the OEM. Kindly consider financial documents of the bidder for the purpose of evaluating financial capability.	Eligibility will be ascertained only as per eligibility criteria mentioned in ATC.
5.	GEM bid document page 4: Preference to make in India products	As you are aware the magnetrons are generally manufactured out of India and therefore, it is challenging to quote Make in India product. Hence, kindly confirm that Make in India clause is not mandatory for compliance.	All category bidder are eligible to participate. However, in case of MI seller, purchase preference shall have to be given as per prevailing govt norms. Tender condition prevails.
6	ATC clause 5.7: All supplied magnetrons shall be brand new, unused, make and model as mentioned in this bid and of the latest manufacturing batch. Refurbished, repaired, or previously used items shall	We wish to clarify that it is not feasible to provide the Test Certificate from OEM in advance at the tender or the pre-supply stage, as the serial numbers are finalised only at the time of actual supply and these details are reflected in the test	Test certificate to be provided at the time of delivery.

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	not be accepted. The bidder shall submit a Test Certificate from the Original Equipment Manufacturer (OEM) confirming compliance with required specifications, performance parameters, and operational standards if required.	certificate as well. Test certificate are generated only after final quality testing of the materials intended for dispatch. Therefore the relevant OEM test certificates corresponding to the supplied materials shall be furnished alongwith the delivery documents during supply. Kindly rectify the clause accordingly.	
7	ATC Clause 5.8: Under the circumstance if the Original Make and Model is not available because of stop in production then the agency has to submit declaration for stating non production by OEM of same. Accordingly the agency can propose different make and model however with same specification mentioned Annexure -IV.	Please allow bidder to offer an equivalent magnetron with same specifications, irrespective of the availability of original make and model i.e. similar to e2V. This will help avoid restricting competition and will ensure broader participation in the bidding process.	<p>The operation and performance of the radar transceiver are critically dependent upon the electrical, RF and mechanical parameters of the magnetron.</p> <p>The existing radar system is of Terma 2001 make and the complete transmitter circuitry, power supply arrangement and associated hardware have been originally designed and configured for compatibility with Teledyne e2v make MG5239T/MG5242T/MG5223 magnetron. Accordingly, the said magnetron forms an integral part of the original equipment configuration.</p> <p>In view of the above, supply of original make and model MG5239T/MG5242T/MG5223 magnetron of e2V/Teledyne e2V make is preferred to ensure compatibility, reliability and performance of the existing radar system.</p> <p>However, in the event the original make/model is discontinued or no longer under production, the bidder shall submit declaration from the confirming discontinuation/non-production of the original model in their letterhead. In such cases only, the bidder may propose an alternative make/model having exactly identical</p>

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			<p>electrical, RF, mechanical and operational specifications as specified in Annexure-IV (Data sheet to be enclosed, which shall be verified. If any of the specification is found not in line with the mentioned specifications, the bid is likely to be rejected.)</p> <p>The offered alternative magnetron shall be fully compatible with the existing radar system without any modification to the existing hardware.</p>
8	<p>ATC Clause 5.3: The supplied magnetrons shall be preferably of same make and Model (e2V), as these magnetrons are compatible and are being used in the system by this Directorate for the last 12 years and performance found satisfactory.</p>	<p>Please note that the manufacturer e2v technologies has been acquired by Teledyne Technologies and is now known as Teledyne e2v.</p>	<p>Accepted.</p>
9	<p>ATC Clause 5.9: The magnetrons shall carry a comprehensive warranty of 02 years (2 years or 9000 hours whichever is earlier) from the date of acceptance/commissioning. During the warranty period, the bidder shall be responsible for the free replacement of any defective magnetron, including all logistics, labour, and associated costs, without any additional financial implication to the Department. In the event that a new magnetron, duly tested, accepted, and kept in store for future use, is installed within the warranty period and is found to be non-operational, the same shall be replaced by the bidder at no cost to the Department. The warranty shall be strictly on a replacement basis only, repaired or refurbished magnetrons shall not be accepted under any circumstances.</p>	<p>It is requested to revise the comprehensive warranty terms from 02 years or 9000 hours (whichever is earlier) to 02 years or 4000 hours (whichever is earlier).</p>	<p>Tender condition prevails.</p>
10	<p>ATC Clause 7.1: 100% payment shall be made on successful of actual Supply and</p>	<p>We request that payment be released upon supply against submission of our warranty certificate.</p>	<p>Tender condition prevails.</p>

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	testing of all the magnetrons.		
11	GEM Portal: Price submission on GEM Portal.	We would like to highlight that the requirement is for 3 different types of Magnetrons, whereas the price bid format currently allows entry for only one magnetron. We request amendment of the price submission format on GEM portal to accommodate all three different types.	The quantity of magnetrons has been combined to meet the requirement of GeM portal. However, the bifurcation of quantity of magnetrons shall be as per ATC Clauses 5.1 and 5.2. Accordingly, the quoted rate should be inclusive of the cost of all types of magnetrons specified therein.
12	GEM bid document: Document required from seller: OEM annual turnover.	As OEM does not issue a Turnover Certificate, we request that this requirement be deleted or alternatively, our Turnover Certificate be considered in place of the OEM's.	Eligibility will be ascertained as per eligibility criteria mentioned in ATC only.

Corrigendum 2Pre-bid Replies for the GEM bid GEM/2026/B/7531340 dated 12.05.2026 for 'Supply of Magnetrons of X-band and S-band Radars of VTS-GoK'

In reference to the GEM bid GEM/2026/B/7531340 dated 12.05.2026 for 'Supply of Magnetrons of X-band and S-band Radars of VTS-GoK' following corrigendum is hereby issued :

Tender Clause	Bidder's Query	DGLL reply
<p>ATC Clause 5.8: Under the circumstance if the Original Make and Model is not available because of stop in production then the agency has to submit declaration for stating non production by OEM of same. Accordingly the agency can propose different make and model however with same specification mentioned Annexure -IV.</p>	<p>Please allow bidder to offer an equivalent magnetron with same specifications, irrespective of the availability of original make and model i.e. similar to e2V. This will help avoid restricting competition and will ensure broader participation in the bidding process.</p>	<p>The existing Radar System is of Terma make (Scanter 2001) and is presently operating with e2v make Magnetron. Hence, the preferred make shall be e2v. However, equivalent makes are also acceptable, subject to the condition that the offered Magnetron shall be of reputed make and fully compatible with the existing Radar System without requiring any modification to the existing hardware, power supply units, circuitry, or associated equipment. Further, the technical specifications and performance parameters of the offered equivalent Magnetron shall be same equivalent to e2v make Magnetron Model MG5239T, Model MG5242T and MG5223</p> <p>For equivalent makes/models, the critical parameters for evaluation of equivalency of the Magnetron are provided in Annexure-A of this Corrigendum. The equivalency of the offered Magnetron shall be assessed strictly with reference to the technical datasheet and supporting documents submitted by the bidder in the Technical Bid.</p> <p>In case the offered equivalent Magnetron does not meet the prescribed critical technical parameters and equivalency criteria as given in Compliance sheet Annexure-A , the offered model shall not be considered and their bid shall be liable for rejection. Therefore, bidders are advised to fill the carefully go through the critical parameters and equivalency criteria specified in Compliance sheet Annexure-A fill the same very carefully and submit along with the bid for technical evaluation.</p> <p>It is further clarified that the above equivalency evaluation criteria shall not be applicable in case of Magnetron Make e2v Technologies / Teledyne e2v</p>

All other terms and conditions of the Bid Document and Pre-Bid replies issued vide Corrigendum-I, except ATC Clause 5.8 as revised above, shall remain unchanged and shall continue to be applicable.

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Dy. Director General

Annexure-A**Technical Compliance sheet****Critical parameters for considering the of equivalency of Magnetron Make e2v, Model MG5239T.**

S.No.	Technical Parameters Required	Technical parameters of offered product	Whether complying or not (Yes/ No)	Make/ Model of offered Magnetron
1	Frequency Band: X-Band			
2	Operating Frequency: (9345 - 9405MHz) (Required frequency 9375 MHz)			
3	Power output (Peak) : 25 kW			
4	Heater Voltage (Typical): 6.3 Volts			
5	Heater Current (Typical): 0.52 Amp.			
6	Anode voltage (peak): 8.0 kV			
7	Anode current (peak): min 6.0 A to max 10 A			
8	Anode temperature: 110 Degrees Celsius.			
9	VSWR at the output coupler : 1.5:1			
10	Magnetron mounting : Type UG-40 B/U			

(ii) Critical parameters for considering the equivalency of Magnetron Make e2v Model MG5242T

S.No.	Technical Parameters Required	Technical parameters of offered product	Whether complying or not (Yes/ No)	Make/ Model of offered Magnetron
1	Frequency Band: X-Band			
2	Operating Frequency: (9380 - 9440MHz) (Required frequency 9410 MHz)			
3	Power output (Peak) : 25 kW			
4	Heater Voltage (Typical): 6.3 Volts			
5	Heater Current (Typical): 0.52 Amp.			
6	Anode voltage (peak): 8.0 kV			
7	Anode current (peak): min 6.0 A			

	to max 10 A			
8	Anode temperature: 110 Degrees Celsius.			
9	VSWR at the output coupler : 1.5:1			
10	Magnetron mounting : Type UG-40 B/U			

(iii) Critical parameters for considering the of equivalency of Magnetron Make e2v MG5223 (S-Band Magnetron)

S.No.	Technical Parameters Required	Technical parameters of offered product	Whether complying or not (Yes/ No)	Make/ Model of offered Magnetron
1	Frequency Band: S-Band			
2	Operating Frequency: (3040 - 3060MHz)			
3	Power output (Peak) : 30 kW			
4	Heater Voltage (Typical): 6.3 Volts			
5	Heater Current (Typical): 1.3 Amp.			
6	Anode voltage (peak): 8.0 kV			
7	Anode current (peak): min 6.0 A to max 12 A			
8	Anode temperature: 120 Degrees Celsius			
9	VSWR at the output coupler : 1.5:1			
10	Magnetron mounting : See outline Drawing and Dimensions in data sheet provided (equivalent to e2v MG5223 magnetron)			

Important Note: In case the proposed equivalent model does not meet the above equivalency criteria/parameters, the offered model shall not be accepted.