शुद्धिपत्र- संख्या -1 / CORRIGENDUM- NO. 1

निविदासंदर्भसं: इंकॉइस - PUR-17/2026 दिनांक19.10..2026
Tender Ref No: INCOIS- PUR:17/2026 dt. 19.10.2026

निविदा पहचान संख्या: GEM/2026/B/8097808 दिनांक19.10.2026
Bid ID No: GEM/2026/B/8097808 dt.19.10.2026

INCOIS ने "एक प्रोटोटाइप जेनेरिक डिमॉड्यूलेटर और दो प्रोडक्शन डिमॉड्यूलेटर यूनिट्स के डिज़ाइन, विकास, परीक्षण और आपूर्ति" के लिए टेंडर जारी किया है।

INCOIS has published the tender for **"Design, Development, Testing and Supply of One Prototype Generic Demodulator and Two Production Demodulator units.**

The **Corrigendum No. 1** is issued as appended below:

A. **Amended/Additional details:**

Sl. No.	Reference in the Tender document	As per Tender Document	Query Sought	Response by INCOS
M/s. TAGV Embedded Solutions Pvt Ltd., Hyderabad				
1.	Ref: Clause 7, Page 8:	The Generic Demodulator Unit, including its complete design, hardware, firmware, software, documentation, and all associated intellectual property developed under this contract, shall be the exclusive property of INCOIS. Any intellectual property, including patents, Technology transfers, Design registrations, copyrights, or other proprietary rights arising from this project shall vest with or be assigned to INCOIS. The successful bidder/vendor	Joint IPR (Cost effective Model) Exclusive IPR structures typically command very high upfront engineering and development costs. To optimize and reduce initial budgetary strain, will INCOIS consider a Joint/Equal IPR Co-ownership framework?	The Intellectual Property Rights (IPR) for the design and development of the Generic Demodulator shall vest with INCOIS. INCOIS shall grant permission to the selected bidder to manufacture, reproduce, modify, market, sell, transfer, license, or otherwise use the design, or any part thereof, for any purpose, subject to a royalty of 3% as determined by INCOIS."

		shall not manufacture, reproduce, modify, market, sell, transfer, license, or use the design or any part thereof for any purpose other than this contract without obtaining prior written permission from INCOIS.		
2.	Ref: Clause 7, Page 8:	The Generic Demodulator Unit, including its complete design, hardware, firmware, software, documentation, and all associated intellectual property developed under this contract, shall be the exclusive property of INCOIS. Any intellectual property, including patents, Technology transfers, Design registrations, copyrights, or other proprietary rights arising from this project shall vest with or be assigned to INCOIS. The successful bidder/vendor shall not manufacture, reproduce, modify, market, sell, transfer, license, or use the design or any part thereof for any purpose other than this contract without obtaining prior written permission from INCOIS.	Commercialization & Royalty Sharing Under the proposed joint IPR framework, will the successful bidder be permitted to market, adapt, and sell the co-developed Generic Demodulator to non-conflicting external markets (civilian/commercial oceanographic entities), subject to a structured royalty or profit-sharing payout mechanism back to INCOIS for every external unit sold?	Answered above Sl. No.1
3.	Ref: Clause 6, Page 7:	Future production & Quality control	Given that this demodulator is mission-critical for national disaster state alerts and tsunami warnings, continuous system integrity, strict firmware stability, and zero	Considering the mission-critical nature of the Generic Demodulator in supporting national disaster alerts and tsunami warnings, system integrity,

			data loss are imperative. Will INCOIS grant the original development partner the Right of First Refusal (ROFR) or preferred manufacturing status for all subsequent production units?	firmware stability, and data reliability shall be accorded the highest priority. However, no automatic Right of First Refusal (ROFR) or preferred manufacturing status shall be granted to the original development partner for subsequent production units. Future procurement and manufacturing arrangements shall be decided by INCOIS in accordance with applicable Government of India procurement rules and INCOIS operational requirements.
4.	Ref: Clause 7, Page 8:	The Generic Demodulator Unit, including its complete design, hardware, firmware, software, documentation, and all associated intellectual property developed under this contract, shall be the exclusive property of INCOIS. Any intellectual property, including patents, Technology transfers, Design registrations, copyrights, or other proprietary rights arising from this project shall vest with or be assigned to INCOIS. The successful bidder/vendor shall not manufacture, reproduce, modify, market, sell, transfer, license, or use the design or any part thereof for any purpose other than this contract without obtaining prior written permission from INCOIS.	Explicit Protection of Background IPR. Will INCOIS amend the tender text to clearly distinguish between Background IPR (pre-existing code libraries, hardware building blocks, and baseline firmware owned by the bidder prior to this contract) and Foreground IPR (the specific customization layers and interfaces built under this exact contract)?	Answered above Sl. No.1 No change in Tender document.

5.	Ref: Section 13, General Terms & Conditions, Clause 7: Payment terms	Material component: S No.1: For prototype: 90% of the payment will be released, against design, development, testing, installation, acceptance and training of the Demodulator along with transfer of IPR and ownership at INCOIS. 10% of payment will be released after completion of the 1-year warranty period or submission of advance bank guarantee.	Cash Flow Optimization (Advance Payment Milestone) The current terms specify that 90% of the payment for the prototype will only be released after complete design, development, testing, installation, and training at INCOIS. Since developing deep-tech hardware requires significant upfront capital for components and engineering R&D, will INCOIS modify the payment terms to allow a 40% advance payment milestone upon the successful bench-level demonstration of a single operational channel.	No change in the tender document.
6.	Ref clause: Section 8, Eligibility Criteria	Eligibility Criteria / Bidder Qualification	Consortium / Joint Bid Participation Will INCOIS permit participation through a Consortium / Joint Venture (JV) / Lead Bidder with Consortium Partner arrangement? If permitted, kindly clarify whether the technical experience, turnover, manpower, and other eligibility credentials of consortium members can be considered collectively for meeting the tender eligibility criteria.	INCOIS allows consortium bidding, with the lead bidder responsible for meeting the qualification requirements, eligibility criteria and ensuring project delivery including all tender requirements.
7.	Ref clause: Section 8, Eligibility Criteria	MSE Exemption – EMD & Turnover	MSE Exemption – EMD & Turnover For an eligible MSE bidder registered under Udyam, kindly confirm whether submission of a valid Udyam Registration Certificate is sufficient for claiming the applicable EMD exemption and turnover relaxation, or whether any	Eligible MSE Bidders are exempted for submission of EMD by submitting the valid exemption certificate.

			additional declaration, certificate, Bid Securing Declaration, or other documentary evidence is required.	
8.	Ref: Section 13, General Terms & Conditions, Clause 9: Performance Guarantee	Performance Bank Guarantee	MSE Exemption – Performance Bank Guarantee The tender requires the successful bidder to submit a Performance Bank Guarantee (PBG) / Performance Security equivalent to 5% of the total contract value. Kindly clarify whether MSE bidders holding a valid Udyam Registration Certificate are eligible for exemption from the 5% Performance Bank Guarantee / Performance Security requirement.	The successful Bidder is required to submit the Performance Bank Guarantee (PBG). There is no exemption for PBG till the execution of order as per the delivery timelines.
9.	Ref clause: Section 8, Eligibility Criteria	Eligibility Criteria / Bidder Qualification	MSE / Startup Relaxation – Prior Experience Criteria Kindly clarify whether the applicable MSE/Startup relaxation extends to the prior experience requirements under Clauses 8.6 and 8.7, including the requirement relating to design, development and manufacturing of Transmitters/Demodulators in the field of INSAT products and the prescribed value of completed similar works. If applicable, kindly specify the extent of relaxation and documentary evidence required.	Considering the mission-critical nature of the Generic Demodulator in supporting national disaster alerts and tsunami warnings, system integrity, firmware stability, and data reliability shall be accorded the highest priority. However, EMD exemption is applicable to valid MSME, Start-up companies.
10.	Ref clause: Section 8, Eligibility Criteria	Eligibility Criteria / Bidder Qualification (point 8.6 & 8.7)	Definition of Similar Work / Relevant Technical Experience Kindly clarify whether experience in design and development of technically comparable RF communication systems, receiver systems, BPSK demodulation systems,	No change in the Tender document.

			telemetry/data reception systems, or other satellite communication equipment may be considered as relevant/similar experience for meeting the eligibility criteria, subject to submission of supporting Purchase Orders and client certificates.	
11.	Ref clause: Section 8, Eligibility Criteria	Eligibility Criteria / Annual financial turnover	Turnover Requirement Clarification The GeM Bid Details specify a minimum average annual turnover requirement of ₹25 Lakhs, whereas Clause 8.5 of the Buyer Tender specifies an average annual turnover of ₹48 Lakhs or more during the last three years ending 31.03.2026. Kindly clarify which turnover criterion shall prevail for evaluation of bidder eligibility.	No change in the Tender document.
12.	Ref: GeM AMC Conditions / Additional Clause for Annual Maintenance Charges):	Ref: GeM AMC Conditions / Additional Clause for Annual Maintenance Charges):	CAMC Percentage Clarification The GeM Bid Conditions and Buyer Added AMC Conditions indicate different permissible percentage ranges for Annual Maintenance Charges. Kindly confirm the applicable minimum and maximum CAMC percentage to be considered while preparing the financial bid.	No change in the Tender document.
13.	Ref: Section 13, General Terms & Conditions, Clause 9: Performance security and 10% Retention	Payment Terms / Performance Security	Performance Security and 10% Retention In case the 5% Performance Bank Guarantee / Performance Security is applicable to an MSE bidder, the payment terms provide for release of 90% payment after the specified acceptance milestone and the remaining 10% after completion of the one-year warranty, or against submission of an Advance Bank Guarantee (ABG). Kindly	5% of PBG will be returned after successful execution of the Order. 10% payment will be kept pending towards Performance Guarantee for warranty period. If the firm requires the 10% payment in advance, 10% of payment will be released upon successful completion of warranty

			clarify whether the existing 5% Performance Bank Guarantee / Performance Security may also be considered sufficient security for release of the balance 10% payment during the warranty period, instead of requiring submission of an additional ABG.	period or against Bank Guarantee of 110% of amount with a claim period of 14 months.
14.	Ref: Page No. 1	Due date of Bid submission	Extension of Tender Submission Deadline - Requests a two-week extension, considering the technical complexity and proposal preparation requirements.	Extended the date up to 2 weeks. Last Date of Bid submission is 4-11-2026.
15.	General Query	General Query	If L1 Fails Technical Qualification- - Requests clarification on whether the next eligible bidder will be considered if L1 fails to establish technical capability, or whether the tender will be re-evaluated or re-tendered.	No change in the Tender document.
M/s. Astra MWP Ltd., Hyderabad				
16.	Ref clause: Section 4, Technical specifications, Point No.2, Page No. 3	Input signal level range: -45 to -55 dBm	Input Signal Level Range: Kindly clarify whether the two channels are required to operate independently at different frequencies with individual output ports, or whether the system may also operate in a redundant configuration using the same frequency on both channels.	Two channels operate independently, each using different frequency configurations for different INCOIS observation applications.
17.	Ref clause: Section 4, Technical specifications, Point No.19, Page No. 4	Performance: If any channel fails, other channels shall work without interruption / Data losses. System shall be upgradable to QPSK demodulation without changing HW By uploading new software.	QPSK Demodulation Upgrade The specification states that the system shall be upgradeable to QPSK demodulation without any hardware changes. Kindly clarify whether this is a mandatory requirement. Alternatively, would it be acceptable if the bidder undertakes to provide QPSK	The current requirement is limited to BPSK demodulation only. However, the system shall be designed to support future upgradable / adaptable to QPSK demodulation, if the need arise without any additional cost.

			demodulation capability in the future, without any additional cost, even if hardware modification is required.	
18.	Ref clause: Section 4, Technical specifications, Point No.19, Page No. 4	System Shall be compatible to any transmitter make.	Compatibility with Transmitters The specification states that the system shall be compatible with transmitters of any make. but its mandatory to meet the transmitter ISRO/SAC protocol format kindly clarify.	Should be read as "System Shall be compatible to any transmitter make with ISRO / SAC open protocol format".
19.	Ref clause: Section 6, Functional; requirements, Page No. 7	Provide two independent receiving channels, each capable of operating with different frequencies and independent firmware/software.	Functional Requirements proposed to provide two independent receiving channels. However, both channels will utilize the same firmware/software platform. Kindly confirm.	Two channels operate independently with different frequency configurations working with different INCOIS applications. It should work with independent firmware/software to avoid dependency.
20.	Ref: Clause 7, Page 8:	The Generic Demodulator Unit, including its complete design, hardware, firmware, software, documentation, and all associated intellectual property developed under this contract, shall be the exclusive property of **INCOIS**. Any intellectual property, including patents, Technology transfers, Design registrations, copyrights, or other proprietary rights arising from this project shall vest with or be assigned to INCOIS. The successful bidder/vendor shall not manufacture, reproduce,	Intellectual Property Rights (IPR) Ownership: Upon successful completion of the project, IPR ownership shall be transferred as per the RFP conditions. IPR ownership should be jointly held by INCOIS and the supplier. Alternatively, whether submission of complete source code, design documents, and related technical details to INCOIS is ok and will allow the Vendor to retain rights for commercial utilization in the open market.	Answered above Sl. No.1

		modify, market, sell, transfer, license, or use the design or any part thereof for any purpose other than this contract without obtaining prior written permission from INCOIS.		
21.	Ref clause: Section 8, Eligibility Criteria, Point 8.7, Page No. 9	Eligibility Criteria / Bidder Qualification	Eligibility Criteria Kindly confirm whether purchase orders executed for AWS/ERS systems involving transmitters and demodulators under Earth Receiving Station (ERS) systems will be considered towards meeting the eligibility criteria.	No change in the Tender document.
22.	Ref: Section 13, General Terms & Conditions, Clause 3, Delivery Timelines, Page No. 14	Delivery Timelines: Prototype Unit: The prototype shall be Designed, developed, manufactured, supplied, installed, and commissioned within four (4) months from the date of acceptance of the Purchase Order (PO).	Delivery Timeline for Prototype Unit: We request extension of the prototype delivery timeline from the stipulated 4 months to 6 months from the date of receipt of the Purchase Order.	No change in the Tender document.
23.	Ref: Page No. 1	Due date of Bid submission	Extension of Tender Submission Deadline - Requests a two-week extension, considering the technical complexity and proposal preparation requirements.	Extended the date up to 2 weeks. Last Date of Bid submission is 4-11-2026.
M/s. Balaras Innovations Pvt Ltd., Hyderabad.				
24.	Ref: Clause 7, Page 8:	The Generic Demodulator Unit, including its complete design, hardware, firmware, software,	The current framework requires the full handover of source code, FPGA source design files, and complete technical	Answered above Sl. No.1

		documentation, and all associated intellectual property developed under this contract, shall be the exclusive property of **INCOIS**. Any intellectual property, including patents, Technology transfers, Design registrations, copyrights, or other proprietary rights arising from this project shall vest with or be assigned to INCOIS. The successful bidder/vendor shall not manufacture, reproduce, modify, market, sell, transfer, license, or use the design or any part thereof for any purpose other than this contract without obtaining prior written permission from INCOIS.	IPR directly upon acceptance of the initial Prototype Unit (SNo.1). However, the subsequent placement and execution of the Two Production Units (SNo.2) order remain contingent upon a separate approval window. The Risk: If a deep-tech startup fully reveals and assigns its foundational design and code architecture at the early prototype gate, and the subsequent production phase is later downscoped, delayed, or cancelled due to shifting administrative requirements, the startup faces catastrophic asset exposure and completely loses its primary market commercial opportunity.	No change in the Tender document.
25.	Ref: Clause 7, Page 8:	The Generic Demodulator Unit, including its complete design, hardware, firmware, software, documentation, and all associated intellectual property developed under this contract, shall be the exclusive property of **INCOIS**. Any intellectual property, including patents, Technology transfers, Design registrations, copyrights, or other proprietary rights arising from this project shall vest with or	Bidders request explicit text confirmation that Background IPR shall exhaustively encompass all pre-existing technologies, source libraries, firmware subroutines, and all patented or patent-pending technologies developed independently by the startup prior to or outside the scope of this contract.	Answered above Sl. No.1

		be assigned to INCOIS. The successful bidder/vendor shall not manufacture, reproduce, modify, market, sell, transfer, license, or use the design or any part thereof for any purpose other than this contract without obtaining prior written permission from INCOIS.		
26.	Ref clause: Section 8, Eligibility Criteria	Eligibility Criteria / Bidder Qualification	The tender defines stringent requirements regarding multiple historical government supply contracts of specific values for INSAT products.	No change in the Tender Document.
27.	Ref clause: Section 8, Eligibility Criteria	Eligibility Criteria / Annual financial turnover	A major financial discrepancy exists between the portal data tier (25 Lakhs) and the text stack (48 Lakhs). Regardless of baseline, high turnover requirements block qualified deep-tech startups.	No change the Tender Document.
28.	Ref: Section 13, General Terms & Conditions, Clause 9: Performance security and 10% Retention	Payment Terms / Performance Security	The terms require a 10% payment retention over the 1-year warranty phase unless a separate 14-month Advance Bank Guarantee (ABG) is submitted, alongside a mandatory 5% Performance Bank Guarantee (PBG).	Answered above Sl. No.13
29.	Ref: Section 8, Clause 8.10, Page No.9 & Section 13,	Earnest Money Deposit (EMD)	The tender sets an EMD fee barrier of 1,20,000 Kindly confirm that DPIIT-recognized startups are	EMD exemption is applicable to valid MSME, Start-up companies.

	Clause 8 (Earnest Money Deposit, Page 14).		completely exempted from EMD fees, and verify that uploading a standard GeM-compliant Bid Securing Declaration Form alongside the startup certificate fulfils all compliance thresholds.	
30.	Ref: GeM AMC Conditions / Additional Clause for Annual Maintenance Charges):	Ref: GeM AMC Conditions / Additional Clause for Annual Maintenance Charges):	The tender contains conflicting upper and lower percentage limits regarding permissible Annual Maintenance Charge financial definitions (3% minimum to 25% maximum ranges).	No change in tender document.

ध्यानदें:- ऊपर उल्लिखित बिंदुओं के अलावा, मूल निविदा दस्तावेज में उल्लिखित अन्य सभी विशिष्टताएं, नियम और शर्तें, आगे संशोधन किए जाने तक अपरिवर्तित रहेंगी।

NB: - Except for the points indicated above, all other Specifications, Terms and conditions as indicated in the original tender document, Remains unaltered unless further amended.

हैदराबाद /Hyderabad
19.10.2026

(देवेन्द्रकुमार/V.Subrahmanyam)केंद्रअधिकारी/Nodal Officer,
भारतीयराष्ट्रीयमहासागरसूचनासेवाकेंद्र, हैदराबाद / Indian National Centre for Ocean Information Services, Hyderabad