भारतीय राष्ट्रीय महासागर सूचना सेवा केंद्र
पृथ्वी विज्ञान मंत्रालय, भारत सरकार
"ओशियन वैली", प्रगति नगर (बी. ओ), निज़ामपेट (एस. ओ), हैदराबाद – 500 090
दूरभाष सं. 040-2388 6002 / 23886074 फैक्स : 040-2389 2910 / 2389 5001
INDIAN NATIONAL CENTRE FOR OCEAN INFORMATION SERVICES
Ministry of Earth Sciences, Government of India
"Ocean Valley", Pragathi Nagar (BO), Nizampet (SO), Hyderabad - 500 090
Phone No.040-2388 6002/23886074 Fax: 040-2389 2910/2389 5001

इंकॉइस:क्रय: 17/2026
Ref. INCOIS: PUR: 17/2026

दिनांक: 29. 09.2026
Date: 29. 09. 2026

सरकारी ई बाज़ार द्वारा निविदा सूचना आमंत्रण
Notice Inviting Tender through Government E Market Place (GeM)

भारतीय राष्ट्रीय महासागर सूचना सेवा केंद्र, हैदराबाद भारत सरकार के पृथ्वी विज्ञान मंत्रालय के अंतर्गत एक स्वायत्त निकाय है।
Indian National Centre for Ocean Information Services (INCOIS), Hyderabad is an autonomous body under Ministry of Earth Sciences, Government of India.

निम्न विवरणों के लिए पंजीकृत विक्रेताओं से निविदाओं/बोलियों को आमंत्रित किया जाता है। जीईएम की एक अधिप्राप्ति होने के नाते बोलियों को केवल सरकारी ई बाज़ार (जीईएम) **http://gem.gov.in/** द्वारा ऑनलाइन से ही जमा किया जाए। एनआईटी का संक्षिप्त विवरण नीचे दिया जा रहा है।
Tenders/Bids are invited from registered vendors of GeM for the following items. Being a GeM procurement, the bids has to be submitted online through **Government E- Market Place (GeM) http://gem.gov.in/** only. The brief details of NIT are appended below.

क्र. सं. Sl. No	कार्य का नाम Name of the Work	बोली संदर्भ सं. Bid Reference No.	बोली संख्या एवं दिनांक Bid Number and Date	बोली समाप्ति की तारीख और समय Bid end date and Time
(1)	**इंकॉइस हैदराबाद में एक प्रोटोटाइप जेनेरिक डिमॉड्यूलेटर यूनिट और दो प्रोडक्शन डिमॉड्यूलेटर यूनिट की डिज़ाइन, डेवलपमेंट, टेस्टिंग और सप्लाई; साथ ही एक साल की वारंटी और चार साल का** CAMC," **"Design, Development, Testing, and Supply of One Prototype Generic Demodulator Unit and Two Production Demodulator Units with One-Year Warranty and Four-Years CAMC at INCOIS, Hyderabad,"**	इंकॉइस:क्रय: 17/2026 INCOIS:PUR: 17/2026	जीईएम/2026/बी/8097808 दिनांक: 29.09.2026 GEM/2026/B/8097808 dated 29.09.2026	21.10.2026 16:00:00

जीईएम की एक अधिप्राप्ति होने के नाते बोलियों को केवल जीईएम पोर्टल अर्थात बोली/आरए के खाने के अंतर्गत **http://gem.gov.in/** द्वारा ऑनलाइन से ही जमा किया जाए। किसी भी प्रकार की सहायता के लिए कृपया जीईएम पोर्टल की हेल्प लाइन से संपर्क करें। निम्न अधिकारियों से भी संपर्क किया जा सकता है: श्री वी. सुब्रह्मण्यम (ईमेल: manyam@incois.gov.in;) / श्री दसारी प्रसाद (ईमेल: dasariprasad@incois.gov.in;)

Being a GeM procurement, the bid has to be submitted online through the GeM portal i.e., http://gem.gov.in under the Bids/RAs column. For any assistance, please contact help line of GeM portal. The following officials may also be contacted: Mr. V. Subrahmanyam (email: manyam@incois.gov.in;)/Mr. Dasari Prasad (email: dasariprasad@incois.gov.in)

(V. Subrahmanyam)
(प्रशासनिक अधिकारी (क्रय)/ Administrative Officer (Purchase)
निविदा आमंत्रण प्राधिकारी, इंकॉइस/
Tender Inviting Authority, INCOIS

बिड संख्या/Bid Number: GEM/2026/B/8097808

दिनांक /Dated: 29-09-2026

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	21-10-2026 16:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	22-10-2026 16:00:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	90 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Earth Sciences
विभाग का नाम/Department Name	Department Of Earth Sciences
संगठन का नाम/Organisation Name	Earth Sciences Secretariate
कार्यालय का नाम/Office Name	Indian National Centre For Ocean Information Servi
शिकायत निवारण के संपर्क विवरण/ Contact details of Grievance redressal	HOD Email id :bala@incois.gov.in Buyer Email id: dasariprasad@incois.gov.in
कुल मात्रा/Total Quantity	3
वस्तु श्रेणी /Item Category	DDTS of One Prototype Generic Demodulator Unit and Two Production Demodulator Units
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	Demodulator
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Category not available on GeM for the text string uploaded by the buyer
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	• Electronic Lectern • SAN Switch • Networking Trainer Educational Kit
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) /Minimum Average Annual Turnover of the bidder (For 3 Years)	25 Lakh (s)
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service	3 Year (s)
टर्नओवर पात्रता मानदंड/Turnover eligibility criteria	GeM verified turnover
टर्नओवर के लिए एमएसई को छूट प्राप्त है / MSE Relaxation for Turnover	Yes | Complete
टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है / Startup Relaxation for Turnover	Yes | Complete

बिड विवरण/Bid Details	
विक्रेता से मांगे गए दस्तावेज़/**Document required from seller**	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,Additional Doc 1 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेज़ों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है/**Do you want to show documents uploaded by bidders to all bidders participated in bid?**	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / **Minimum number of bids required to disable automatic bid extension**	1
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / **Number of days for which Bid would be auto-extended**	7
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / **Number of Auto Extension count**	1
बिड से रिवर्स नीलामी सक्रिय किया/**Bid to RA enabled**	No
वार्षिक रखरखाव शुल्क आवश्यक / **Annual Maintenance Charges Required**	Yes
बिड का प्रकार/**Type of Bid**	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /**Time allowed for Technical Clarifications during technical evaluation**	7 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/**Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)**	No
अनुमानित बिड मूल्य / **Estimated Bid Value**	5000000
मूल्यांकन पद्धति/**Evaluation Method**	Total value wise evaluation
वित्तीय दस्तावेज की आवश्यकता है / **Financial Document Required**	Yes
मध्यस्थता खंड/**Arbitration Clause**	No
सुलह खंड/**Mediation Clause**	No

ईएमडी विवरण/**EMD Detail**

एडवाईजरी बैंक/Advisory Bank	State Bank of India

ईएमडी राशि/EMD Amount	120000

ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईपीबीजी प्रतिशत (%)/ePBG Percentage(%)	5.00
ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).	50

(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ प्रस्तुत करने है। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: 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.

(b).ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

(c).ईएमडी और संपादन जमानत राशि लाभार्थी के पक्ष में होनी चाहिए। / Earnest Money Deposit (EMD) shall also be accepted by the buyer in the form of a surety bond.

लाभार्थी /Beneficiary :
DIRECTOR INCOIS
Payable at INCOIS Hyderabad Indian National Centre for Ocean Information Servi, Department of Earth Sciences, Earth Sciences Secretariate, Ministry of Earth Sciences
(Director Incois)

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमआईआई खरीद वरीयता / MII Purchase Preference

एमआईआई खरीद वरीयता / MII Purchase Preference	Yes
मेक इन इंडिया विक्रेताओं को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% तक की सीमा में है / Purchase Preference to MII sellers availabele upto price within L1+X%	20
मेक इन इंडिया खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MII purchase preference	50

सार्वजनिक खरीद (मेक-इन-इंडिया को प्राथमिकता) आदेश 2017 के अनुसार केवल क्लास 1/क्लास 2 के स्थानीय आपूर्तिकर्ताओं को ही भागीदारी की अनुमति है दिनांक 16.09.2020 (समय-समय पर संशोधित एवं लागू) / Allow participation only from Class 1/Class 2 local suppliers as per the Public procurement(Preference to Make-in-india) order 2017 date 16.09.2020(as amended and applicable time to time)	Yes, in compliance with the MII ORDER : DPIIT Order(as amended and applicable time to time)

एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं/सेवा प्रदाता को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% / Purchase Preference to MSE OEMs/ Service Provider available upto price within L1+X%	15
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माता/सेवा प्रदाता को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Percentage of Bid quantity/amount for MSE OEMs/ Service Provider Purchase preference	25

1. If the bidder is a Micro or Small Enterprise (MSE) as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Bidder Turnover" as defined above subject to meeting of quality and technical specifications. If the bidder itself is MSE OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover, shall upload the supporting documents to prove his eligibility for Relaxation.
2. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Bidder Turnover" as defined above subject to their meeting of quality and technical specifications. If the bidder is DPIIT Registered OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover shall upload the supporting documents to prove his eligibility for Relaxation.
3. The minimum average annual financial turnover of the bidder during the last three financial years, ending on 31st March of the previous financial year, should be as indicated in the bid document. The turnover of the bidder shall be validated by the system based on the financial data available on the GeM portal. The average turnover shall be calculated based on the last three financial years where data is available; in case data is available for only two of the last three financial years, the average shall be computed based on those two years. In case the date of constitution / incorporation of the bidder is less than three years old, the average turnover in respect of the completed financial years after the date of constitution / incorporation shall be taken into account for this criterion. No separate documentary evidence is required to be uploaded by the bidder for this criterion, as the system shall derive and validate the turnover figures from the data available on the GeM portal.
4. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
5. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which

no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.
OM_No.1_4_2021_PPD_dated_18.05.2023 for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017 and its subsequent Orders/Notifications issued by concerned Ministry .Benefits of MSE will be allowed only if seller/service provider is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

6. **Purchase preference to Micro and Small Enterprises (MSEs):** Purchase preference will be given to MSEs having valid Udyam Certificate and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service, and Buyer will decide eligibility for purchase preference based on documentary evidence submitted in case of product bids, whereas in case of services the eligibility is automatically validated. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM_No.1_4_2021_PPD_dated_18.05.2023 for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.
7. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

एक्सेल में अपलोड किए जाने की आवश्यकता /Excel Upload Required :

PRICE BID - 1790676638.xlsx

DDTS Of One Prototype Generic Demodulator Unit And Two Production Demodulator Units (3 Unit)

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document	Download

Annual Maintenance	
Annual Maintenance (Minimum Percentage)	3 %
Annual Maintenance (Maximum Percentage)	25 %
Warranty of required product	1 Year

Annual Maintenance	
Annual Maintenance Charges Duration (Post Warranty)	4 Year
Annual Maintenance Charges Frequenecy	Quarterly

*Warranty displayed under the AMC/CMC Details section will supersede the warranty displayed under the catalog specfication

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Reddipalli Velangini Giridhar	500090,Indian National Centre for Ocean Information Services (INCOIS), Ministry of Earth Sciences, Government of India, Ocean valley, Pragathi Nagar BO, Nizampet SO, Hyderabad - 50090 INDIA	3	180

Buyer added Bid Specific Additional Scope of Work

क्र.सं./S.No.	Document Title	Description	रिवर्स प्रभार के अनुसार जीएसटी/Applicable i.r.o. Items
1	Design, Development, Testing, and Supply of One Prototype Generic Demodulator Unit and Two Production Demodulator Units with One-Year Warranty and Four-Years CAMC at INCOIS, Hyderabad View	Scope of work, technical specifications and other terms and conditions of the tender document	DDTS Of One Prototype Generic Demodulator Unit And Two Production Demodulator Units(3)

The uploaded document only contains Buyer specific Additional Scope of Work and / or Drawings for the bid items added with due approval of Buyer's competent authority. Buyer has certified that these additional scope and drawings are generalized and would not lead to any restrictive bidding.

क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions

1. **Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be (Increased quantity ÷ Original quantity) × Original delivery period (in days), subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

2. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

Design, Development, Testing, and Supply of One Prototype Generic Demodulator Unit and Two Production Demodulator Units with One-Year Warranty and Four-Years CAMC a t INCOIS, Hyderabad

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).

Production Units: The two (2) Nos. of production units shall be manufactured, supplied, installed, a nd commissioned within two (2) months from the date of acceptance of the prototype by INCOIS.

Warranty Period: 01-year Onsite warranty from the date of acceptance of the material

CAMC Period: 04 Years Comprehensive Annual Maintenance

Payment terms:

Material component:

SNo.1:

For prototype: 90% of the payment will be released, against design, development, testing, installati on, 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 ad vance bank guarantee for a period of 14 months..

S No.2:

For production units: 90% of the payment will be released, against supply, installation, testing & co mmissioning of the Demodulators at INCOIS on prorate basis within 2 months period.
10% of payment will be released after completion of the 1 year warranty period or submission of ad vance bank guarantee for a period of 14 months.

Service component (S Nos. 3 to 6):

The CAMC payment shall be released on a quarterly basis, upon completion of each three (3)-month service period, on a pro-rata basis, against submission of the invoice along with the dul y signed original service/maintenance report, subject to satisfactory performance of the servic es and acceptance by INCOIS.

Net payment will be released after statutory deductions

14. **Pre-Bid Meeting: INCOIS has made every effort to bring out the requirements to fa cilitate the Firms to** make their proposals. However, keeping in view that Firms may have clarifications on certain points in this Document before submitting their Proposal, a Pre-bid m

eeting will be held at INCOIS, Hyderabad on 14.10.2026 **at 11 00 hrs**. During the pre-bid m eet, a short intro presentation will be done by INCOIS on the proposed requirement and scope of work. All the clarifications will be consolidated and clarified to the B i d d e r s during the pr e-bid meet and addendum/corrigendum will be added in the proposal INCOIS Web site (if req uired only). Bidder will be given another reasonable sufficient time to submit their proposals. The bidders should participate in this meeting at their own cost. Bidders are requested to sen d their clarifications, if any well in advance of the Pre-bid meeting through GeM Portal only an y clarification requests outside GeM portal will not be entertained.

3. **Buyer Added Bid Specific ATC**

   Buyer uploaded ATC document Click here to view the file.

अस्वीकरण/Disclaimer

The Additional Terms and Conditions (ATC) have been incorporated by the Buyer after approval of their Competent Authority. The Buyer ,is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any restriction arising in the bidding process due to these ATCs and including the modification of technical specifications and / or terms and conditions governing the bid.All representations / grievances pertaining to the ATC clauses shall be raised with the buyer organization directly and not with GeM.If any of the clause(s) is/are incorporated by the Buyer regarding the following, the bid & resultant contract shall be treated as null & void. Further, GeM reserves the right, at its sole discretion, to cancel the bid forthwith, without issuance of any prior notice or intimation :-

1. Publishing Custom / BOQ bids for items for which regular GeM categories are available (unless such Custom / BOQ item is bunched with the major regular product Category Item).
2. Mandating procurement of / from specific Brand / Make / Model / Manufacturer / Dealer except in case of Single Bid / Proprietary Article Certificate (PAC) Buying.
3. Inclusion of disqualification criteria related to suspension of seller / service provider, where such suspension period has already expired.
4. Mandating submission of documents (other than EMD and signed Integrity Pact - which can be submitted within 5 days of bid opening) in physical form as a pre-requisite to qualify bidders.
5. Publishing bids on GeM for procurement of works.
6. Procurement of Goods by creating a Service bid on GeM & vice-versa.
7. Seeking sample with bid or approval of samples during bid evaluation process. However, trial / sample, as the case may be, shall be permitted in cases where trial / sample are allowed as per approved and published procurement policy of the Buyers' controlling Ministry / Department / State / Public Sector Enterprises Headquarters. If there is any violation of trial / sample clause with regard to approved policy of the Buyers' Ministry / Department / State / Public Sector Enterprises Headquarters, then this is to be determined and redressed by the concerned Buyer Organisation only.
8. Seeking experience from specific organization / department / institute only or from foreign / export experience.
9. Creating bid for items from incorrect categories.
10. Reference of conditions published on any external site or reference to external documents/clauses.
11. Asking for any Tender fee / Bid Participation fee, as the case may be.
12. Buyer added ATC Clauses which are in contravention of clauses defined in bid detail section, including specifications, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by the applicable GeM GTC.
13. Any ATC clause in contravention with GeM GTC Clause 4 (xiii) (h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
14. In a category based bid, adding additional items, through buyer added, additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogues or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

Additional Clause For Annual Maintenance Charges

1.AMC charges to be indicated as percentage of cost of Product/Equipment quoted for each year after the warranty period.

2. GST shall be included in the AMC Charges quoted.

3. The AMC functionality shall be available in bid only and no direct RA shall be applicable. In case of bid to RA decrement rules shall be applicable on total price inclusive of AMC charges.

3.1 Buyer shall indicate number of years of warranty by selecting option of 1- 10 Years available in the field depending on warranty parameter applicable in category parameters for the equipment. The Seller while participating in Bid/RA will get fields to indicate AMC charges as percentage depending on number of years of AMC selected by Buyer. The following shall be applicable If 5 year AMC selected.

3.1.1 AMC charges for first year after warranty period – Percentage to be indicated- A1.
3.1.2 AMC charges for second year after warranty period – Percentage to be indicated A2.
3.1.3 AMC charges for third year after warranty period – Percentage to be indicated A3.
3.1.4 AMC charges for fourth year after warranty period – Percentage amount to be indicated A4.
3.1.5 AMC charges for 5th year after warranty period – Percentage to be indicated A5.

3.2 The calculation of AMC Charges shall take in to account of number of years of warranty and duration of AMC as specified while creating bid.

3.3 AMC charges to be indicated for each subsequent year should be same or higher than preceding year.

3.4 The AMC charges shall be offered within range of 3 to 50% of cost of equipment.

4. Since AMC charges are to be paid only later for each year during AMC period , applicable performance guarantee amount after placement of contract shall be based on the cost of product/equipment and not on basis of cost of equipment along with AMC Charges.

5. Performance bank guarantee applicable for AMC is to be submitted at start of the AMC and shall be applicable as 5% on the total contract value including AMC Charges The PBG submitted after award of contract shall be released only after new PBG for the AMC period is submitted and accepted by buyer/consignee after due verification. Bank guarantee for AMC is to remain valid till completion of AMC period plus one year .The bank guarantee for AMC shall be submitted to buyer directly.

6. In case of splitting of quantity product/equipment cost and AMC charges offered by L-1 in the evaluated cost shall be matched by higher quoting eligible bidders on one to one basis .The equipment cost shall be matched and AMC charges shall be matched year to year.

7. The AMC Contract shall be an offline contract to be handled by buyer. The payment of AMC will be made on AMC frequency (as indicated above) basis after satisfactory completion of said period, duly certified by end user and scope of AMC will be as per para 1 above.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

This Bid is governed by the General Terms and Conditions, conditions stipulated in Bid and Service Level Agreement specific to the Service, as the case may be, as provided in the Marketplace.

However, in case of Service, if any condition specified in General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement specific to said Service, then it will over-ride the conditions in the General Terms and Conditions.

यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो।बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---धन्यवाद/Thank You---

INCOIS: PUR 17 / 2026 **29.09.2026**

OPEN TENDER ENQUIRY (OTE)

Sub: "Design, Development, Testing, and Supply of One Prototype Generic Demodulator Unit and Two Production Demodulator Units with One-Year Warranty and Four-Years CAMC."

Dear Sirs,

On behalf of Director, INCOIS Open tenders are invited under "Two Bid System" (Part –I Techno Commercial Bid, Part- II Financial Bid) from firms with appropriate registration having adequate resources and setup and dealing with similar works of " Designing, Development, Testing, and Supply of Prototype Generic Demodulator Unit and Production Demodulator Units" on regular basis".

1.	**Name of the work**	**:**	**Design, Development, Testing, and Supply of One Prototype Generic Demodulator Unit and Two Production Demodulator Units with One-Year Warranty and Four-Years CAMC at INCOIS, Hyderabad**
2.	**BID Reference No.**	**:**	INCOIS: PUR: 17/2026 dated 29.09.2026
3.	**Earnest Money Deposit (EMD)**	**:**	Rs. 1,20,000/- (Rupees one lakh and twenty thousand only
4.	**Pre- Bid Meeting (Hybrid)**	**:**	14.10.2026
5.	**Last date for seeking clarifications**	**:**	06.10.2026
6.	**Due date Bid submission**	**:**	21.10.2026 at 15:00 Hrs
7.	**Bid opening date**	**:**	22.10.2026 at 15:00 Hrs

The offers, in the prescribed format, shall be submitted through online Government e- Marketplace at http:// https://gem.gov.in.

Postal/ Location Address

Indian National Centre for Ocean Information Services INCOIS, Ministry of Earth Sciences, Govt. of India, Ocean Valley, Pragathi Nagar BO, Nizampet SO, Hyderabad 500 090,
Ph.No.040-2388 1000

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1. Introduction

The Indian National Centre for Ocean Information Services (INCOIS), Hyderabad, an autonomous body under the Ministry of Earth Sciences (MoES), Government of India, is engaged in providing a range of ocean information, advisory, and forecasting services. INCOIS undertakes and supports activities related to Tsunami Early Warning, Ocean State Forecasting, Ocean Observing Systems, Ocean Modelling, Satellite Oceanography, Coastal Geospatial Applications, Ocean Data and Information Management, and web-based ocean services for addressing societal and operational requirements.

INCOIS has established an INSAT MSS & DRT Hub for the reception and processing of real-time data from various ocean observation platforms, including Tide Gauges, Automatic Weather Stations (AWS), Wave Rider Buoys (WRB), Coastal Buoys, Drifters, and other platforms. These platforms employ transmitters from different Original Equipment Manufacturers (OEMs/vendors) and may use different transmission configurations and data formats.

The real-time data received from these ocean observation platforms constitute critical inputs to operational ocean services, disaster risk reduction, tsunami early warning, storm surge alerts, and other life-safety and emergency response activities. Accordingly, uninterrupted, reliable, and timely data reception is essential for maintaining the operational readiness and effectiveness of these critical services.

The Demodulator is a critical and mission-essential equipment for the real-time reception of data from tide gauges (at one-minute intervals) and ocean observation platforms. The received data constitute vital inputs to Tsunami Warning and Storm Surge Alert activities, which are essential components of disaster risk reduction, emergency preparedness, and early warning services.

As these systems support critical disaster management services and life-safety operations, the demodulator shall ensure high reliability, maximum availability, continuous and uninterrupted operation, and timely technical support and maintenance. Any prolonged disruption or failure of the equipment may adversely affect the timely dissemination of warnings and alerts, potentially impacting disaster response and public safety. Therefore, the equipment and associated technical support shall be maintained to ensure uninterrupted, reliable, and timely delivery of critical disaster early-warning services.

In view of the mission-critical nature of the equipment and the requirement for reliable, continuous, and real-time data reception from transmitters supplied by different OEMs, INCOIS proposes to undertake the design and development of one (1) prototype Generic Demodulator Unit (2-channel), followed by the manufacture and supply of two (2) production units (2-channel each), after successful testing, validation, and acceptance of the prototype by INCOIS.

2. **Scope of Work:**

- Design & Development, Testing, Installation and Acceptance of one prototype Generic Demodulator Unit (2-channel) with a 1-year warranty.
  NOTE: The Generic Demodulator shall be capable of receiving data from ocean observation platform transmitters manufactured by various vendors. The proposed demodulator shall be designed to support BPSK demodulation and fully comply with ISRO's Open Standard framing and error-correction protocols, ensuring seamless interoperability with the regional satellite network's burst transmission packet formats.
- Supply of 2 Nos. production Demodulator Units (2-channel) with a 1-year warranty, after successful testing and acceptance of the prototype Unit.
- Onsite CAMC services for the equipment supplied under this tender for a period of four years (2nd, 3rd, 4th and 5th years) after expiry of the 1-year warranty period.
- The scope shall include (but shall not be limited to):
  a) System engineering and detailed design.
  b) Hardware and firmware/software development.
  c) Prototype realization.
  d) Environmental and functional testing.
  e) Prototype demonstration and acceptance.
  f) Incorporation of INCOIS approved modifications.
  g) Factory Acceptance Testing (FAT).
  h) Site Acceptance Testing (SAT), where applicable.
  i) Manufacture and supply of two production units.
  j) Technical documentation.
  k) Training during installation and commissioning.
  l) One-year warranty and support.
  m) Post warranty support for four years.

3. **Deliverables:**

	Material component	
1	Design & Development of prototype Generic Demodulator Unit (2-channel)	1 No
2	Production Demodulator unit (2-channel)	2 Nos
3	Operation and Maintenance Manual with specifications & Trouble shooting manual (Hardcopy 2sets and softcopy)	2 sets
4	Technical Report (Hardcopy and softcopy in word document)	1 set
	Service component	
1	Installation, Testing &Commissioning at INCOIS	
2	4 years On-site CAMC (2^{nd}, 3^{rd}, 4^{th}& 5^{th} year) after completion of 1 year warranty for both the prototype & production demodulators	

4. **Technical Specifications:**

S.No	Parameter	Specification
1.	Input Frequency	74MHz±10MHz
2.	Input signal level range	-45 to -55 dBm
3.	No. of Channels	2 channels Each channel should be independent. Different frequencies for each channel and individual output port.
4.	Frequency Step Size	1KHz
5.	Input Frequency Acquisition range	±4KHz

6.	Dynamic range	±5dB
7.	Type of Modulation	BPSK (Burst mode)
8.	Data rate	300bps to 9600bps (user configurable)
9.	Input connector	BNC Female
10.	Output port	Serial port (RS-232 / RS-485) / USB(UART)
11.	FEC	R=1/2, K=7, G1=1718, G2=1338
12.	**Protocol/Format**	**ISRO's Open Standard framing and error-correction protocols**
13.	BER Performance	0.01 at C/N of 36dB (Over Frequency and with FEC, Scrambler)
14.	Output data length	Configurable / upto 300 bytes
15.	Monitoring and Control	Ethernet, provision for web-based GUI.
16.	Power supply	230V AC ±10%, 50Hz, Dual redundant
17.	Operating temperature	0-50°C
18.	Unit size	Standard 19" Rack Mountable, Maximum height-4U
19.	Performance	If any channel fails, other channels shall work without interruption / Data losses. System shall be upgradable to QPSK demodulation withc changing HW. By uploading new software. System Shall be compatible to any transmitter make.
20.	Service	It shall be possible to rectify / replace failed channel HW without effecting other channels

The bidder shall perform detailed design shall cover the following:

a) Complete Hardware
b) RF/input section.
c) Signal conditioning.
d) Demodulation section.
e) Digital processing.
f) Clock/timing generation.
g) Power supply.
h) Control and monitoring.
i) Data interfaces.
j) Protection circuits.
k) Mechanical enclosure.
l) Internal wiring and interconnections.
m) Firmware/Software

Note: Various transmitters used by INCOIS and their brief details & associated data formats will be shared to the successful bidder on their site-visit, which is mandatory.

5. Technical Requirements:

5.1 Phase-I-Prototype Development, Testing, Validation and Acceptance Requirements:

The Bidder shall design, develop, manufacture, supply, install, integrate, and fully test one (1) complete prototype Generic Demodulator Unit (2-channel) in accordance with the technical specifications and requirements specified in this tender.

Each channel should operate independently and autonomously for the reception and processing of real-time data. The operation, availability, configuration, or failure of one channel shall not affect, interrupt, or impose any

dependency on the operation or performance of the other channel. Each channel shall be capable of continuous and simultaneous real-time data reception and processing.
The prototype shall be representative of the final production design and shall incorporate all essential hardware, firmware/software, interfaces, functionalities, and performance characteristics intended for the production units. The prototype shall be subjected to comprehensive functional and performance testing and shall be installed and commissioned at the INCOIS Hub for evaluation and validation. Any deviation or engineering difference between the prototype and the final production design shall be clearly documented by the Bidder and shall be subject to prior written approval by INCOIS. No such deviation shall be permitted if it affects the specified functionality, reliability, performance, interoperability, or operational requirements of the system.

- **Functional, Performance, and Interface Testing**: The Bidder shall conduct comprehensive functional, performance, and interface testing to verify compliance with all specified technical and operational requirements of INCOIS.
- **Reliability Assessment**: The Bidder shall carry out a reliability assessment of the prototype to demonstrate its suitability for continuous and uninterrupted operation in mission-critical applications.
- **Environmental Testing**: The prototype shall undergo environmental testing in accordance with the environmental test requirements specified in these tender and applicable standards.
- **EMI/EMC Testing:** The prototype shall undergo Electromagnetic Interference (EMI) and Electromagnetic Compatibility (EMC) testing, wherever applicable, in accordance with the specified requirements and applicable standards.
- **Complete Hardware and Software Development**: The Bidder shall undertake complete development of the hardware, firmware, software, application programs, and associated interfaces required for the functioning of the Generic Demodulator Unit.
- **Factory Acceptance Test (FAT) and Site Acceptance Test (SAT):** The Bidder shall conduct the FAT at the Bidder's premises, followed by installation, commissioning, and SAT at INCOIS. The detailed FAT and SAT procedures and test reports shall be submitted to INCOIS for review and approval. Fat will be conducted in presence of INCOIS staff.
- **Data Reception and Compatibility Testing**: The prototype shall be tested for reliable and continuous data reception from different transmitter models used with ocean observation platforms. Each transmitter model shall be tested for a minimum continuous period of three (3) days at INCOIS to assess data reception capability, stability, reliability, and overall performance.
- **Software/Firmware Modification and Rectification**: Based on the results of testing and evaluation, the Bidder shall carry out all necessary modifications, corrections, debugging, and optimization of the hardware, firmware, software, and associated programs, as required, to ensure reliable reception and processing of all specified data types and formats. Such modifications shall be carried out by the Bidder at no additional cost to INCOIS during the prototype development and acceptance phase.
- **Technical Review Meetings**: The Bidder shall participate in technical review meetings with INCOIS, as and when required, during the development, testing, evaluation, and acceptance of the prototype. The Bidder shall incorporate the observations and recommendations arising from such reviews, subject to the scope and requirements of the tender.
- **Final Testing, Commissioning, and Site Acceptance**: Upon successful completion of all development and validation activities, the Bidder shall conduct final testing, installation, commissioning, and Site Acceptance Testing (SAT) at INCOIS. The prototype shall be considered accepted only upon satisfactory demonstration of compliance with the specified technical, functional, performance, reliability, and interoperability requirements and written acceptance by INCOIS.

Prototype Demonstration: The Bidder shall demonstrate the complete prototype Generic Demodulator Unit (2-channel) at INCOIS. **The Generic Demodulator shall be capable of receiving data from ocean observation platform transmitters manufactured by various vendors. The proposed demodulator shall be designed to support BPSK demodulation and fully comply with ISRO's Open Standard framing and error-correction protocols, ensuring seamless interoperability with the regional satellite network's burst transmission packet formats.** The demodulator shall be capable of reliably receiving, demodulating, decoding, processing, and delivering telemetry/data transmitted by different transmitter models manufactured by multiple OEMs/vendors used with ocean observation platforms.

During the prototype testing and evaluation phase, if transmitters from all identified OEMs are not available at INCOIS, the demonstration and testing shall initially be carried out using the transmitters available at INCOIS. The demodulator shall subsequently be tested with transmitters from the remaining OEMs with-in a period of one month, during which INCOIS shall help making all efforts in acquiring such transmitters.

The Bidder shall provide all necessary software, firmware, configuration, driver, interface, and code modifications required to ensure compatibility and reliable data reception from the transmitters of different OEMs. Such modifications shall be carried out by the Bidder without adversely affecting the existing functionality, performance, reliability, or compatibility of the demodulator and shall be provided at no additional cost to INCOIS during the prototype development and acceptance phase. Accordingly, training should be provided to INCOIS officials.

The demonstration shall cover all critical functional, performance, reliability, interoperability, data reception, and processing parameters specified in the tender and identified in the approved Acceptance Test Procedure (ATP). The Bidder shall demonstrate satisfactory compliance with each applicable parameter to the satisfaction of INCOIS.

The results of the demonstration and testing shall be documented in the prescribed test reports, including the transmitter/OEM details, test conditions, duration, data reception status, performance observations, deviations (if any), and corrective actions taken.

Design and Review Milestones: The Bidder shall participate in the following key technical reviews with INCOIS:

- Preliminary Design Review (PDR): Review and approval of the proposed system architecture, design approach, interfaces, and development plan.
- Critical Design Review (CDR): Review and approval of the detailed hardware, firmware, software, interfaces, and final design prior to prototype finalization.
- Prototype Acceptance Review (PAR): Review of prototype test results, compliance with the approved specifications and Acceptance Test Procedure (ATP), and readiness for production.
- Production Readiness Review (PRR): Review and confirmation of the Bidder's readiness for production, including manufacturing, quality assurance, testing, documentation, and support arrangements.

The Bidder shall incorporate observations and recommendations arising from these reviews and should make a detailed report upon approved by INCOIS.

5.2 Phase-II – Production Units: Upon successful completion of testing and acceptance of the prototype by INCOIS, the Bidder shall manufacture, supply, install, commission, and test two (2) production units, each comprising a 2-channel Generic Demodulator Unit, in accordance with the approved prototype design and all contractual technical requirements.

Each channel should operate independently and autonomously for the reception and processing of real-time data. The operation, availability, configuration, or failure of one channel shall not affect, interrupt, or impose any dependency on the operation or performance of the other channel. Each channel shall be capable of continuous and simultaneous real-time data reception and processing.

The production units shall incorporate all design modifications and improvements approved by INCOIS during the prototype development and acceptance phase.

The scope of supply shall include, but not be limited to:

- Complete hardware.
- Complete firmware and embedded software.
- Source code and FPGA source files for all developed/customized software and firmware.
- All required accessories and standard equipment.
- All required interconnecting cables, including demodulator output-to-PC input cables and other necessary interface cables as per the requirements of INCOIS.
- Test and inspection reports, including FAT/SAT reports, as applicable.
- User and operation manuals.
- Detailed technical documentation, including but not limited to:
    - System design and architecture.
    - Functional description of the system and internal subsystems.

- System and subsystem block diagrams.
- Hardware/PCB/module details and photographs of internal assemblies.
- Hardware, software, and communication interface details.
- Flowcharts and functional/process diagrams.
- Configuration and operational details.
- Any other documentation necessary for understanding, operation, maintenance, troubleshooting, and future support of the equipment.

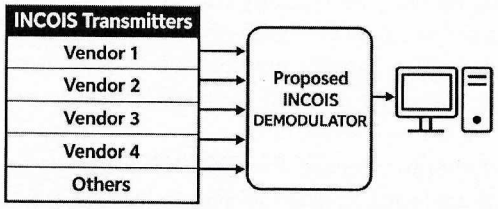
Note: All supplied production units shall be identical in design and functionality to the approved prototype, except for any subsequent modifications approved in writing by INCOIS.

6. Functional requirements

The Generic Demodulator Unit shall meet the following requirements.

- Provide two independent receiving channels, each capable of operating with different frequencies and independent firmware/software.
- Employ a modular architecture to enable high reliability and continuous operation.
- Support hot-swappable or independently replaceable channel hardware, allowing failed channel rectification/replacement without affecting the operation of the other channel(s).
- Receive telemetry/data from multiple transmitters and support transmitters from multiple vendors.
- Support and decode the required modulation formats.
- Received data shall be given out transparently.
- Maintain signal synchronization and provide signal lock and Unique Word (UW) detection, including front-panel LED indications for each channel.
- Provide channel status indication for each receiving channel.
- The dynamic front-end and Baud rate selection: To change the baud rate (300 to 9600 bps) instantly without hardware / firmware changes.
- Dual format framing engine (front panel selection): "Legacy" transmitter format mode and "open standard" format mode.
- Data string start byte shall be configurable
- Data length shall be configurable.
- Ensure uninterrupted operation of healthy channels with no data loss in the event of a channel failure.
- Display for unit configuration and status monitoring.
- Provide an Ethernet interface for communication with a PC.
- Unit configuration shall be possible through Ethernet.
- Data reception shall be possible through Ethernet/USB/Serial interface.
- The 2-channel demodulator should support both IF input configurations:
  Single IF input: One IF input is provided, and the internal active power divider splits the signal and feeds both channels without signal loss.
  Dual IF inputs: Two separate IF inputs are provided directly to each channel by disconnecting the internal power divider output.
- Provide a scalable architecture that allows additional receiving channels to be added in the future (if required) without affecting the existing hardware, channels, or system functionality.
- The demodulator shall be designed and manufactured using MIL-grade components of proven quality and reliability, suitable for continuous, mission-critical operation under the specified environmental and operational conditions.

Proposed Schematic of the Solution



- The demodulator shall preferably employ modular architecture allowing future changes to:
  a) Modulation schemes.

b) Data rates.
c) Frequencies.
d) Filtering.
e) Synchronization algorithms.
f) Output interfaces.
g) Signal processing algorithms.

- Software/Firmware requirements: All software and firmware required for operation of the equipment shall be included. The vendor shall provide:
  a) Source code, where contractually required.
  b) Firmware images.
  c) FPGA configuration files.
  d) Installation files.
  e) Configuration utilities.
  f) User manuals.
  g) Software documentation.
  h) Version control information.
- Testing and Qualification: The vendor shall prepare and submit a comprehensive Test and Evaluation Plan carried out at INCOIS. Testing shall include, as applicable:
  a) Bench level test
  b) Satellite link test
  c) Performance test.
  d) Interface test.
  e) Demodulation test.
  f) BER test.
  g) Dynamic range test
- Acceptance Criteria: Acceptance shall be based on the following
  a) Compliance with approved technical specifications.
  b) Successful completion of required tests.
  c) Successful demonstration of performance.
  d) Submission of required documentation.
  e) Resolution of identified critical defects.
  f) Successful FAT/SAT, as applicable.
- Obsolescence Management: The vendor shall notify the Purchaser of any known component obsolescence affecting the supplied design. Where feasible, the vendor shall maintain the availability of:
  a) Replacement components.
  b) Firmware.
  c) Software.

  for at least 5 years period.

7. Intellectual Property Rights (IPR) and Ownership

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.

The prototype and any subsequent units shall prominently display the **INCOIS logo** along with the **vendor's logo**. The size, placement, and appearance of the logos shall be subject to INCOIS approval.

The vendor shall execute all necessary documents required to transfer or assign the intellectual property rights to INCOIS and shall provide all design files, source code, manufacturing drawings, bills of materials, and related documentation necessary for future maintenance, reproduction, and further development by INCOIS or its authorized agencies.

8. Eligibility Criteria:

Only those bidders fulfilling the following criteria should respond to the tender.

8.1. The Bidder must be a Company registered under Indian Company Act 1956 or a registered firm.

8.2. The bidder should provide profile of their company including its infrastructure, technical manpower and their expertise, specific to Design, development and manufacturing of Transmitters/ Demodulators in the field of INSAT products. General description of Infrastructure, Man Power and Expertise not related to this tender are not acceptable. Profile of OEM including its infrastructure, technical manpower and expertise specific to this tender requirement are to be provided, if the OEM Manufacturer Authorization Letter and their expertise are to be counted.

8.3. Bidder should provide an escalation matrix with full contact details, for the resolution of reported issues during the Warranty and support period.

8.4. The Bidder should have a service/operational support centre in Hyderabad and proof of the same to be submitted.

8.5. The Bidder should have an average annual financial turnover of Rs. 48 Lakhs or more during the last three years ending March 31, 2026. The bidding companies should be earning profit at least during two (02) years in the last three (03) years.

8.6. Bidder should have relevant experience in Design, Development and Manufacturing of Transmitters/Demodulators in the field of INSAT products and should submit the relevant PO copies of the same and the client certificate for the successful completion of the work as per the said PO.

8.7. Bidder should have relevant past experience and should have successfully completed similar nature of works i.e., Design, development and manufacturing of Transmitters/ Demodulators in the field of INSAT products, in last three years ending previous day of last date of submission of the online Bid. Out of which one work of value Rs. 48 Lakhs or two works each of value Rs. 36 Lakhs. each or above or three works of value Rs.24 Lakhs each of above. Authorized client certificate / Work Completion Certificate / Experience Certificate along with PO / work order No. as a reference to be enclosed in this regard.

8.8. Declaration on the letter head of the firm and duly signed and stamped by the authorized signatory stating that the firm does not have any objection in sharing the Intellectual Property Rights (IPR) and Ownership of the product with INCOIS.

8.9. Bidder should provide OEM authorization letters for critical equipment's with specific reference to this tender along with Product catalogues / data sheets of the items offered.

8.10. Earnest Money Deposit (EMD)

8.11. Start ups: In order to promote make in India and startups, the prior turnover for all startups shall be relaxed fully subject to their meeting of quality, technical specifications and tender conditions as per tender. The bidder who intends to participate as "startup" company should enclose the certificate towards startup enterprise registration/recognition issued by Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce& Industry.

8.12. In compliance with Government e-Marketplace (GeM) directives, only pre-registered brands on the GeM portal are eligible to participate in custom bids. Bidders and their respective OEMs must ensure that their brand is formally registered in the relevant or closely related categories on GeM prior to the bid submission deadline. Unregistered brands that cause automated portal system rejections will be treated as non-responsive.

9. Contents of Bid:

The quote should be submitted in two bid format. (i) Techno- Commercial Bid and (ii) Financial Bid

(i) Techno-commercial Bid: Techno- commercial bid should contain the information ONLY without which the offer will not be considered further.

- Proofs for Registration of company, PAN and GST certificates
- List of manpower and their expertise
- Escalation matrix with specific reference to this tender
- Documentary evidence to establish having service / operational support centre in Hyderabad
- Turnover and Annual Profit Certificate issued by the Chartered accountant
- Relevant copies of POs and Client certificate to establish having relevant experience
- Client side Technical Contact details
- Declaration letter for IPR and Ownership
- OEM MAF's for critical items and Product catalogues / data sheets of all the bill of material Proof for submission / exemption of EMD, Duly filled-in and signed bid-security declaration form for EMD Exempted bidders

- Proof for START UP
- Duly filled-in Technical Compliance statement given at Table-1 below
- Duly filled-in un-priced bid given at Table-2 below

NOTE:

- The documentary proof attached should be legible and relevant
- Offers without fulfilling eligibility criteria and without (i) the copy of relevant POs without the client certificate (ii) Client Certificate without Signature, Date and Contact details of the client-side signatory (iii) duly filled-in Technical Compliance Statement (v) duly filled-in un-priced bid, will not be considered for further evaluation.
- Part/conditional/incomplete bids will not be accepted.

Table 1: Technical Compliance Statement

S No	Description	Complied (Yes / No)	Legible and Relevant Documentary proof attached (Yes / No)
1.	Bidder Name, Address, Email, Contact Number		
2.	Bidder Bank Details		
	• Name of the Bank		
	• Branch address		
	• Account holder name		
	• Account number		
	• IFSC CODE		
3.	Bidder's authorized Single Point of Contact for this tender		
4.	Proofs for Registration of company, PAN and GST certificates		
5.	List of manpower and their expertise		
6.	Escalation matrix with specific reference to this tender		
7.	Documentary evidence to establish having service / operational support center in Hyderabad		
8	Turnover and Annual Profit Certificate issued by the chartered accountant		
9.	Relevant copies of POs and Client certificate to establish having relevant experience		
10.	OEM MAF's for critical items and Product catalogues / data sheets of all the material used.		
11.	Declaration letter for IPR and Ownership		
12.	Client-side Technical Contact details		
13.	Proof for submission / exemption of EMD		
14.	Proof for START UP		
15.	Duly filled-in Technical Compliance statement		
16.	Duly filled-in Un-Priced Bid		
17.	EMD Exempted MSE bidders		
18.	Compliance to the Technical Specifications mentioned in section 4		
19.	Compliance to the Technical Requirements mentioned in section 5		
20.	Compliance to the Functional Requirements mentioned in section 6		

21.	Compliance to the Scope of Work of this tender		
22.	Compliance to the General Terms and Conditions of this tender		
23.	Declaration on the letter head of the firm and duly signed and stamped by the authorized signatory stating that the firm does not have any objection in sharing the Intellectual Property Rights (IPR) and Ownership of the product with INCOIS.		

Table-2: Un-Priced bid

S. No	Item	Qty	Please confirm whether prices are Quoted in commercial bid or not. (Yes / No) Please do not mention prices here.
1	Design & Development, Testing, Supply and Training of prototype Generic Demodulator Unit (2-channel) with 1-year onsite warranty	1 No	
2	Production Demodulator units (2-channel) with 1-year onsite warranty	2 Nos	
3	2nd year onsite CAMC after completion of 1 year warranty for the Prototype & Production demodulators	1 Year	
4	3rd year onsite CAMC after completion of 2nd year CAMC for the Prototype & Production demodulators	1 Year	
5	4th year onsite CAMC after completion of 3rd year CAMC for the Prototype & Production demodulators	1Year	
6	5th year onsite CAMC after completion of 4th year CAMC for the Prototype & Production demodulators	1 Year	

10. **Warranty & CAMC (Quality of Service):** During the Warranty and Comprehensive Annual Maintenance Contract (CAMC) period, the successful Bidder shall provide the following services:
    - The Bidder shall carry out preventive maintenance at the INCOIS Hub once every three (3) months during both the Warranty and CAMC periods. A detailed service/maintenance report shall be submitted to INCOIS in prescribed format after each visit.
    - During each preventive maintenance visit, the Bidder's service engineer shall verify the overall operational condition of the demodulator, input signal level, carrier/data lock, Unique Word (UW) detection/checking, and successful real-time data reception. Any abnormality identified during the inspection shall be rectified promptly.
    - The vendor should do the Firmware/code modification/change as per INCOIS requirement to receive the data from all observational platforms' transmitters.
    - The vendor shall deploy adequately trained and qualified technical personnel with relevant experience in the operation, maintenance, troubleshooting, and repair of demodulator systems. The personnel shall be capable of diagnosing and rectifying reported faults within the stipulated service timelines.
    - All reported faults/issues shall be diagnosed and resolved within three (3) calendar days (72 hours) from the time of reporting by INCOIS. If the issue cannot be resolved within 72 hours, the Bidder shall provide

a spare demodulator of the same type and configuration at INCOIS, at no additional cost, until the faulty unit is repaired, tested, and reinstalled at INCOIS Hub.

- The Bidder shall be responsible for the replacement of defective components/parts, firmware and software updates, repair and replacement of faulty units, and all associated transportation, logistics, and handling costs during the Warranty and CAMC periods, without any additional cost to INCOIS.
- All replacement components/parts shall be new, genuine and of equivalent or better specifications than the original components and shall be compatible with the approved system design.
- The Bidder shall ensure continuous availability and reliable operation of the demodulator system throughout the Warranty and CAMC periods, considering its role in supporting critical disaster early warning and alert services.

The warranty and CAMC shall include, but shall not be limited to the following:

- Preventive maintenance - once in 3 months
- Breakdown maintenance
- Onsite support
- Replacement of defective parts
- Firmware/code modification/change for data reception as per INCOIS requirement
- Software updates
- Firmware upgrades
- Calibration (if required)
- Health check
- Performance verification
- Hardware failures.
- Firmware/software defects.
- Component failures.
- Performance degradation is attributable to the supplied system.
- Workmanship defects.

Note: The Warranty shall cover the repair or replacement of all defective components/parts at no additional cost to INCOIS. The Bidder shall bear all costs associated with warranty rectification, including transportation, logistics, handling, repair, replacement, and reinstallation, as applicable.

11. Training & Documentation: The successful Bidder shall provide comprehensive training to INCOIS Scientists/Engineers to ensure effective operation, configuration, maintenance, troubleshooting, and technical support of the Generic Demodulator System while installation and commissioning of the system.

The training shall be conducted for a total duration of 1 week, comprising training at the vendors' premises and at INCOIS, as mutually agreed with INCOIS. The training shall cover, but not be limited tothe following:

- System operation and functional overview.
- System configuration and parameter settings as specified in technical specifications.
- System diagnostics and fault identification.
- Troubleshooting and fault rectification procedures.
- Preventive and corrective maintenance.
- Hardware and interface configuration.
- Software and firmware installation and updates.
- Test, verification, and diagnostic procedures.
- Data reception, monitoring, and verification.
- Web-GUI complete operation.
- Any other operational and maintenance aspects necessary for effective utilization of the system.

The Bidder shall provide all necessary training materials, technical documents, software tools, and other relevant resources required for the training.

The Bidder shall provide two (2) sets of hard copies and one (1) set of soft copy (editable word document) of the complete technical documentation for the supplied system. The documentation shall be sufficiently detailed to enable INCOIS personnel to independently operate, configure, maintain, troubleshoot, and support the system. The documentation shall include, but not be limited to the following:

A. System and Technical Documentation

- System overview and detailed technical specifications.
- System architecture and functional block diagrams.
- Detailed description of each subsystem/module and its functionality.

- System working flow diagrams and operational sequences.
- Hardware configuration and component details.
- Interface details and communication protocols.
- Parameter configuration and calibration details, wherever applicable.

B. Design Documentation

- Detailed design documentation.
- Circuit diagrams and schematics.
- PCB drawings/layouts.
- Mechanical drawings and dimensional details.
- Wiring and interconnection diagrams.
- Interface Control Documents (ICDs), wherever applicable.

C. Software/Firmware Documentation

- Software and firmware architecture/design documentation.
- Software/firmware installation and configuration procedures.
- Application software user manual.
- Firmware update procedures.
- Troubleshooting and diagnostic procedures.
- Complete source code for the developed/customized software.
- Firmware files, including FPGA source files and associated programming/configuration files, as applicable.

D. Test and Acceptance Documentation

- Test procedures and test reports.
- Factory Acceptance Test (FAT) report.
- Site Acceptance Test (SAT) report, where applicable.
- Prototype and production unit acceptance documentation.
- Acceptance certificate/documentation, as applicable.

E. Operation and Maintenance Documentation

- Operation and Maintenance (O&M) Manual.
- Preventive maintenance schedule and procedures.
- Corrective maintenance and troubleshooting procedures.
- Recommended spare parts and consumables list, if applicable.
- Any other documentation required for effective operation, maintenance, repair, and long-term technical support of the system.

Note: All documentation shall correspond to the as-built and as-delivered configuration of the equipment. Any subsequent changes to the hardware, software, firmware, configuration, or design shall be appropriately documented and the relevant documents shall be updated and provided to INCOIS.

12. Penalty Clause:

The successful bidder should make sure that the reported issues are attended to immediately and should be resolved within 72 hours (3-Days) from the time of call reporting from INCOIS. If any Software / Hardware system/peripheral fails and not replaced with similar/higher configuration system/peripheral of same make and duly accepted by INCOIS with-in 72hrs from the time of reporting, it will be considered as an Instance.

During the warranty period of 1 year, three such instances will attract a penalty of 10% of Performance Guarantee (PG) value. More than three such occasions will lead to for feature of total PG amount. If the successful bidder fails to resolve the reported issues with-in 72hrs, INCOIS will take up alternative measures for resolving the issues at the risk and cost of the successful bidder. And this step of INCOIS should not have any implications on the already agreed support for the systems / peripherals provided.

Number of days down	Penalty (per station)
4-8 days	5% on Quarterly CAMC payment
9-13 days	10% on Quarterly CAMC payment
14-18 days	15% on Quarterly CAMC payment
19-23 days	20% on Quarterly CAMC payment
>24 days	No Quarterly CAMC payment

Note:

- The downtime shall be calculated from the date and time of reporting of the fault until the date and time of restoration of the demodulator to fully operational condition, as confirmed by INCOIS.
- The penalty shall be applicable per affected station/unit.
- The vendor shall not be relieved of its obligation to rectify the fault merely by payment of the applicable penalty.
- Downtime attributable to circumstances beyond the vendor's reasonable control may be considered for waiver of penalty, subject to the written approval of INCOIS.

13. General Terms and Conditions:

Point No.	Details
1.	Validity Period: Bids/Offers shall have the validity period of 90 days from the tender closing date.
2.	* **Acceptance of the order:** The Successful bidder shall formally accept the Purchase order Within 10 days from the date of issue of the PO/Order. If the acceptance communication is not received within 10 days, then PO would be deemed as accepted and binding to the successful bidder.
3.	**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). • Production Units: The two (2) Nos. of production units shall be manufactured, supplied, installed, and commissioned within two (2) months from the date of acceptance of the prototype by INCOIS.
4.	**Warranty Period:** 01-year Onsite warranty from the date of acceptance of the material.
5.	**CAMC Period:** 04 Years Comprehensive Annual Maintenance
6.	**Penalty Clause:** As per Section 12 of tender document.
7.	**Payment terms:** **Material component:** **SNo.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 for a period of 14 months.. **S No.2:** For production units: 90% of the payment will be released, against supply, installation, testing & commissioning of the Demodulators at INCOIS on prorate basis within 2 months period. 10% of payment will be released after completion of the 1 year warranty period or submission of advance bank guarantee for a period of 14 months. **Service component (S Nos. 3 to 6):** The CAMC payment shall be released on a quarterly basis, upon completion of each three (3)-month service period, on a pro-rata basis, against submission of the invoice along with the duly signed original service/maintenance report, subject to satisfactory performance of the services and acceptance by INCOIS. *Net payment will be released after statutory deductions.*
8.	**Earnest Money Deposit (EMD)**: Bid Security (BS) Rs.1,20,000/- (Rupees one lakh and twenty thousand only) has to be submitted as per the following form/ options: 1. Demand Draft 2. Insurance Security Bond 3. e-Bank Guarantee 4. Fixed Deposit in favor of Director, INCOIS payable at Hyderabad with validity for a period of 45 days beyond the tender validity period. 5. BG for Bid Security format at Annexure -I

	6. Online payment through NEFT/RTGS as per Bank details given below: Name of the Bank: SBI, HAL Campus Branch: HAL Campus Account Name: Director, INCOIS Account No.10442322840 IFSC Code: SBIN0001676 The scanned copy of the same is to be uploaded to the GeM Portal while submitting the tender. Bank Guarantee should be sent by the issuing banker directly to the office of INCOIS, Hyderabad. The original DDs / Financial instruments if any should reach to INCOIS within 5 working days of Bid opening, failing which the bid may treated as incomplete & may lead to rejection of the bid by buyer without making any reference to the bidder. Micro and Small Enterprises (MSEs) and Startups recognized by DPIIT are exempted from submission of EMD upon submission of valid registration certificates and Bid Securing Declaration.
9.	**Performance Guarantee**: Successful Bidder should submit Performance Bank Guarantee 5% of the total contract value valid for 50 months, within 15 days from the date of acceptance of Purchase order as per format in (Annexure –II) in the following form/ options: Demand Draft Insurance Security Bond e-Bank Guarantee Fixed Deposit Receipt in favor of Director, INCOIS payable at Hyderabad Online payment through NEFT/RTGS as per Bank details given below: **Name of the Bank:** SBI, HAL Campus **Branch:** HAL Campus **Account Name**: Director, INCOIS **Account No.**10442322840 **IFSC Code:** SBIN0001676 **Performance Guarantee is liable to be invoked in the event of** Non-execution contract during validity period of the contract If the service of the successful bidder is found to be unsatisfactory and fails to adhere to our bid terms and conditions Any unilateral revision/decision made by the successful bidder during the validity period of the contract. Please refer Annexure – II for the PBG Format.
10.	Successful bidder has to submit the Service Legal Agreement in prescribed format on Indian non-judicial stamp paper worth Rs. 200/- duly signed by authorized signatory within 21 days of the acceptance of the order
11.	**Startups:** In order to promote make in India and startups, the prior turnover for all startups shall be relaxed partially subject to their meeting of quality, technical specifications and tender conditions as per tender. The bidder who intends to participate as "startup" company should enclose the certificate towards startup enterprise registration/recognition issued by Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce& Industry.
12.	Bidders should fill in and submit the compliance statements along with bid. Offers received without the compliance statements will be summarily rejected. Any falsification/suppression of information could lead to disqualification. Any deviations technically or commercially should be clearly indicated in the technical bid offer only
13.	Any bidder from a country which shares a land border with India shall be eligible to bid in this tender only if the bidder is registered with the Competent Authority, i.e. the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT), in terms of Department of Expenditure O.M. No. F.7/10/2021-PPD dated 23.02.2023 read with O.M. F.No. 6/18/2019-PPD dated 23.07.2020 and the amendments thereto. The bidder shall submit a certificate to this effect in the bid. If the certificate is found false, this would be a ground for immediate termination and further legal action in accordance with law.
14.	**Termination for default**: Where the Contractor commits a material breach — including a repeated breach after a Performance Improvement Notice, INCOIS may, after issuing 15 (fifteen) days' written

	notice to cure and the Contractor having failed to cure within that period, terminate the contract in whole or in part and forfeit the Performance Guarantee in full. INCOIS may additionally get the balance work executed at the Contractor's risk and cost and recover the excess expenditure from any sum due to the Contractor or from the Performance Guarantee. INCOIS may also terminate the contract for convenience on 90 (ninety) days' written notice, in which case the Contractor is paid for services satisfactorily rendered up to the date of termination and the Performance Guarantee is released, with no further claim on either side. Termination does not prejudice any accrued right or remedy of either party.
15.	If any loss or damage is caused to INCOIS in any way, by installation the cost of the same will be recovered from the successful bidder.
16.	Proof for fulfillment of eligibility criteria mentioned above should be submitted along with the tender. If the tender is submitted without valid documents, INCOIS shall not consider the bid offered as responsive. Tenders received without proof of eligibility criteria will be rejected
17.	***Force Majeure Clause:*** A Force Majeure (FM) means extraordinary events or circumstances beyond human control, such as an event described as an act of God (like a natural calamity) or events such as a war, strike, riots, crimes (but not including negligence or wrong-doing, predictable/seasonal rain and any other events specifically excluded in the clause). An FM clause in the contract frees both parties from contractual liability and obligation when prevented by such events from fulfilling their obligations under the contract. An FM clause does not entirely excuse a party's non-performance but only suspends it for the duration of the FM. The firm must give notice of FM within a reasonable time as the conditions permit (not later than 14 days after its occurrence), and it cannot be claimed ex-post facto. There may be an FM situation affecting the purchase organization only. In such a situation, the purchase organization is to communicate with the supplier along similar lines as above for further necessary action. If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of FM for a period exceeding 90 (ninety) days, either party may, at its option, seek to terminate the contract without any financial repercussion on either side. Notwithstanding the punitive provisions contained in the contract for delay or breach of contract, the supplier would not be liable for imposition of any such sanction so long as the delay and/or failure of the supplier in fulfilling its obligations under the contract is the result of an event covered in the FM clause.
18.	Bidder's from a country which shares a land border with India will be eligible to participate in this tender, only if the bidder is registered with Department for Promotion of Industry and Internal Trade (DPIIT) under Order (Public procurement No. 1) issued by Ministry of Finance, Department of Expenditure in line with OM No. F.No.6/18/2019-PPD dt 23rd July, 2020 and F.18/37/2020-PPD, dt. 08.02.2021inserting Rule 144 (xi) in GFR 2017
19.	Before submitting the bids Bidders are advised to inspect the site of works and its environments and be well acquainted with actual working conditions, approach to site of work, surroundings of the Site of work and other prevailing conditions, position of materials and labour. The Tender(s) shall be well acquainted with the General and Special conditions of Contract and specifications and all other documents which form part of the Agreement. Any misunderstandings of the conditions/rules/ regulations/specifications shall not entitle the Bidders(s) contractor(s) for any sort of compensation
20.	**Dispute Resolution:** (a) Any dispute or difference arising out of or in connection with this contract shall first be settled amicably by discussion between INCOIS and the Contractor, within 30 days of a written dispute notice by either party. (b) Failing amicable settlement, the dispute shall be referred to a Dispute Resolution Committee comprising representatives of INCOIS and the Contractor, chaired by an officer nominated by the Director, INCOIS, which shall Endeavour to resolve the matter within 30 days of its constitution. (c) Failing resolution under (b), the parties may by mutual written consent refer the dispute to mediation under the Mediation Act, 2023. (d) Arbitration shall not be a method of dispute resolution under this contract. Disputes not resolved through (a) to (c) shall be adjudicated by the courts at Hyderabad, Telangana, which alone shall have jurisdiction. This contract is subject to the laws of India alone..

14. **Pre-Bid Meeting: INCOIS has made every effort to bring out the requirements to facilitate the Firms to** make their proposals. However, keeping in view that Firms may have clarifications on certain points in this Document before submitting their Proposal, a Pre-bid meeting will be held at INCOIS, Hyderabad on 14.10.2026 **at 11 00 hrs**. During the pre-bid meet, a short intro presentation will be done by INCOIS on the proposed requirement and scope of work. All the clarifications will be consolidated and clarified to the Bidders during the pre-bid meet and addendum/corrigendum will be added in the proposal INCOIS Web site (if required only). Bidder will be given another reasonable sufficient time to submit their proposals. The bidders should participate in this meeting at their own cost. Bidders are requested to send their clarifications, if any well in advance of the Pre-bid meeting through GeM Portal only any clarification requests outside GeM portal will not be entertained.

ANNEXURE-I

Bank Guarantee Format for Bid Security

Whereas.....[1] (hereinafter called "the Bidder") has submitted its bid dated.....(date of submission of bid) for the supply of .....(being the provision of Design, Development, Testing, and Supply of One Prototype Generic Demodulator Unit and Two Production Demodulator Units with One-Year Warranty and Four-Years CAMC at INCOIS, Hyderabad under tender No. INCOIS: PUR 17/2026) (herein after called "the Bid").

KNOW ALL PEOPLE by these presents that WE .....(name of bank) of .....(name of country), having our registered office at .....(address of bank) (hereinafter called "the Bank"), are bound unto.....(name of Purchaser) (hereinafter called "the Purchaser") inthe sum of _____for which payment well 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 of__20_____.

THE CONDITIONS of this obligation are:

1. If the Bidder Withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or

2. If the Bidder, having been notified of the acceptance of its bid by the Purchaser during the period of bid validity:

(a) fails or refuses to execute the Contract Form if required; or

(b) fails or refuses to furnish the performance security, in accordance with the instruction to Bidders.

We undertake to pay the Purchaser upto the above amount up on receipt of its first written demand, with out the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including 45 days after the period of bid validity, i.e., up to..... And any demand in respect thereof should reach the bank not later than this date.

(Signature of the Bank)

Name of the Bidder

ANNEXURE-II

Bank Guarantee Format for Performance Security

To

The Director
Indian National Centre for Ocean Information Services (INCOIS)
Ocean Valley, Pragathi Nagar (BO), Nizampet (SO)
Pragathi Nagar
Hyderabad-500 090

Whereas..... (Name and address of the contractor) (here inafter called "the contractor") has undertaken, in pursuance of contract no ..... date..... to ..... (Description of Services) (hereinafter called "the contract").

And whereas you have stipulated it in the said contract that the contractor shall furnish you with a bank guarantee by a Commercial bank for the sum specified therein as security for compliance with its obligations as per the contract.

And, whereas we have agreed to give the contractor such a bank guarantee.

Now Therefore we hereby affirm that we are guarantors and responsible to you, on behalf of the contractor, up to a total of .....(amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the contractor to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the contractor before presenting us with demand. We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall be valid until the .....day of .....20.....

Our.....branch at.....*(Name & Address of the .....*(branch) is liable to pay the guaranteed amount depending on the filing of a claim and any part thereof under this Bank Guarantee only and only if you serve upon us at our .....* branch a written claim or demand and received by us at our .....* branch on or before Dt..... Otherwise, the bank shall be discharged of all liabilities under this guarantee after that.

(Signature of the authorized officer of the Bank)

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.....

Name and designation of the officer

.....

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

*Preferably at the headquarters of the authority competent to sanction the expenditure for the procurement of goods or at the concerned district headquarters or the state headquarters.