

LETTER OF INVITATION



NEWSPACE INDIA LIMITED **[A Government of India company under Department of Space]**

Ref: No. NSIL/26-27/RFP/EO-MDA/01

Date: Oct 9 2026

Sub: RFP For Procurement of “Annual Subscription of Satellite Based Surveillance System based on Maritime Domain Awareness (MDA) Solution”

NewSpace India Limited (NSIL), a Central Public Sector Enterprise under Department of Space, and the commercial arm of ISRO, got incorporated during March 2019. During June 2020, as part of Space Reforms announced by Government of India, the business mandate of NSIL got significantly enhanced. As on 31st March 2026, NSIL has successfully completed Seven years of its commercial space business operations.

1. NSIL, hereby invites through this Request for Proposal (“RFP”), from the IN-Space authorized EO Data Disseminators, for procurement of “Annual Subscription of Satellite Based Surveillance System based on Maritime Domain Awareness (MDA) Solution” for NSIL’s customer.
2. The Request for Proposal containing the requirements is placed at enclosure. This RFP is divided into five Parts as follows:
 - a) **Part I** - Contains General Information and Instructions for the Bidders about the RFP such as the time, place of submission and opening of tenders, Validity period of tenders, etc.
 - b) **Part II** - Contains essential details of items/services required Contains such as the Scope of Work (SoW) Payment terms & condition, which will form part of the Contract/supply order with the successful Bidder
 - c) **Part III** – Standard Conditions of RFP which will form part of the Contract Contract/supply order with the successful Bidder
 - d) **Part IV** – Bid Evaluation Process and Vendor Qualification Criteria
 - e) **Part V** – Performance Evaluation Criteria

3. The RFP is being issued with no financial commitment and NSIL reserves the right to change or vary any part thereof or foreclose the instant procurement at any stage. NSIL also reserves the rights to disqualify any vendor, should it be necessary, at any stage on grounds of National Security.

Note: Bidder Should not include commercial bid in the technical proposal, which would lead to disqualification of the proposal.

-Sd-
Purchase Division

Encl: - As Above

Part I - General Information & Instructions

Techno-commercial proposals are invited from Indian Vendors authorized by INSPACE for Dissemination of EO Data Products to execute a work order from NSIL, Bengaluru for supply of “Annual Subscription of Satellite Based Surveillance System based on Maritime Domain Awareness (MDA) Solution” for NSIL Customer. The term Customer will be used hereafter to refer to NSIL’s customer. The vendor is expected to be registered under Indian National Space Promotion and Authorization Center (IN-SPACE), ISRO, Dept. of Space, Govt. of INDIA. Only vendors registered with IN-Space for dissemination of EO Data Products are eligible to participate in bidding.

This RFP document contains the scope of work, specifications, terms and conditions, read together with the terms and conditions laid out in following sections of the RFP. The contents of this RFP are strictly meant for generating the proposal to NSIL against the tender enquiry of NSIL’s Customer. The content in this RFP is to be treated in confidence and are NOT to be revealed directly or indirectly, to the press, public or to any entity not concerned with the generation of proposal.

Scope of work: The scope of work includes. “Annual Subscription of Satellite Based Surveillance System based on Maritime Domain Awareness (MDA) Solution” for NSIL Customer as described in Part II

Important Dates & Details of EMD

1	Bid Submission Last Date	Refer CPPP
2	Manner of Depositing the Bids	
3	Time and date for opening of Bids	
5	Opening of Two Bid System	
6	Clarification Last date regarding contents of the RFP	
7	Validity of Bids	
8	Earnest Money Deposit (Exempted for MSME/ Startups)	₹60,00,000/ (MSME/ Startup Certificate for waiver)



9	Bank Details	• Account Name: NewSpace India Limited • Bank A/C No: 38345843981 • IFSC/NEFT Code: SBIN0009042
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Part II - Essential Details of Items/Services required

1. Techno- commercial proposals are invited from Indian Companies registered with Indian National Space Promotion and Authorisation Centre (IN-Space), ISRO, Dept. of Space, Govt. of India for providing Annual Subscription for Satellite based Surveillance Services for NSIL Customer. Only vendors registered with IN-Space for dissemination of Satellite Imagery Deliverables listed at Para 4 of enclosed Scope of Work (Appendix A) are eligible to participate in the bidding.
2. **Schedule of Requirements: List of items/ services required is as follows:**

S. N	Description of Service required	Qty
a)	“Satellite based MDA solution” for one year	Elaborated in Scope of Work (Appendix A)

3. **Technical Details:** The broad scope of the tender is to provide annual subscription of “Satellite based MDA solution” to for NSIL Customer. The characteristics and features that are to be met by the services are elucidated in the enclosed Scope of Work.
4. **Installation and Commissioning:** The seller is to commence provision of services within **20 days of signing of the contract**. The seller is to provide **Malicious Code Certificate placed at** for the web-based tool/ software being offered to demand/ download
5. **Training:** Onsite training (7 working days duration) for use and management is to be provided by the seller within seven days post commencement of services. The user/ operator training is to be imparted to 10 personnel.
6. **Warranty and Technical Support:** The firm will be responsible for providing technical and back-end support of the web-based tool/ software. Any technical support, Defect Identification and Rectification is to be undertaken within **8 hrs** of a fault or defect being reported to the firm.
7. **Technical Documentation:** The firm must provide requisite technical documentation for operation of the web-based tool/ software.
8. **Satisfaction of both Parties:** The ‘Seller’ is to provide the services as set forth in this RFP to the full and complete satisfaction of the buyer, i.e. NSIL

Customer

9. **Technical Evaluation Criteria:** The Technical Evaluation Matrix is enclosed herewith. Technical Evaluation of the bidders will be undertaken in two parts viz. **Document Verification and Live Demonstration**. During document verification, the documents submitted by the bidders will be evaluated against the parameters mentioned in the enclosed Vendor Evaluation Matrix. All bidders are to provide a live demonstration of the offered system. The date of demonstration will be intimated to the firms post opening of technical Bids. The firms are to demonstrate their system at the buyer's premises within three days of intimation by the buyer. Parameters to be demonstrated in the live demonstration are mentioned in the enclosed Technical Evaluation Matrix.
10. **Vendor Capability Conditions:** The vendor will have to demonstrate his capability to deliver this product during TEC based on requirements mentioned in the enclosed Technical Evaluation matrix.
11. **Two-Bid System:** Quotations must be submitted by the bidder under two bid system viz Technical and Commercial. Bidders are required to furnish clause by clause compliance of specifications/ qualifications as per the enclosed Technical Evaluation Matrix along with the Technical Bid bringing out clearly the deviation from specifications outlined in this Bid document, if any. Format of Commercial bids is uploaded as BOQ in excel format. Bidders are required to upload the BOQ in Commercial Bids only.
12. **Delivery Period:** The vendor is required to commence service within **20 days** from the date of placement of order. The contract will be valid for a period of one year from commencement of service. Extension of contract will be at the sole discretion of the Buyer, with applicability of LD clause.
13. **Balance Quota of Images as Part of Subscription:** In case the number of satellite images provided in the Scope of Work are not exhausted within a period of one year, the buyer reserves the right to extend the contract period by another two months for utilisation of remaining quota of images at no additional cost. In the event of any requirement of additional imagery during the currency of the contract, the same will be procured separately through GeM and integrated with the platform.
14. **Delivery and Transportation:** All expenses towards transportation and delivery of the offered solution, as applicable at the buyer's local address mentioned below are to be borne by the Seller.
15. **Contract operating Authority:** The contract once finalized, will be operated by NSIL Customer

16. **Evaluation Criteria:** Evaluation of the services delivered by the Vendor/ seller would be undertaken every four months by a Performance Evaluation board. The Performance Evaluation Criteria is enclosed.
17. **Product Support & Response Time:** The successful bidder is to ensure that relevant initiation/ support should be made available to the headquarters in case of a breakdown in the provision of the services. The response time of the seller should not exceed more than **08 hours** from the time the breakdown intimation is provided by the Buyer. Service ability of **99 % per year** is to be ensured. Unserviceability should not exceed **0.33 days (08 hrs)** in a single instance and the total downtime should not exceed **72 hours** in the contract duration. Online/ telephonic advice/ support is to be rendered within this duration
18. In the event of critical service failure (continuous system outage exceeding 72 hours or cumulative monthly uptime dropping below 85%), the buyer reserves the right to terminate the contract. Subject to the condition that the outage/ unavailability is not due to technical reasons outside the control of the service vendor. Examples include: Internet outage; temporary satellite unavailability due to technical reasons. In the event of the latter alternate satellites may be tasked to fulfil the surveillance requirement.

Payment Term & Condition:

1. **Schedule of Payment:** The payment to the seller would be stage wise. The schedule of payment to the vendor is elucidated in the following table: -

S.N	Payment %	Scheduled Time	Remarks
a.	10 % of the total payment	Upon commencement of Services and completion of operator training	
b.	25 % of the total Payment	Post completion of four months from commencement of services	The tasking of various imagery will be based on-demand basis and

c.	30 % of the total payment	Post completion of eight months from commencement of services	Developing operational picture in the AoR.
d.	35 % of the total payment	Post completion of 12 months from commencement of services	

Remarks: The amount calculated as percentage of the contract value will be rounded off to the nearest whole number at the time of payment.

2. The release of payment would be governed by the following conditions: -
 - a) Performance of the services provided by the vendor based on quarterly reports of the images provided by the firm.
 - b) Reports of the data generated by the firm including the number of indents placed and the number of images delivered.
 - c) The decision of the Evaluation Board towards determining the quality of service and promptness of action would be binding on the seller. Towards this, performance report will be generated every four months for the perusal of the board.
3. **Threshold:** If the service experiences Unavailability for a cumulative duration of more than **8 hours** within a single calendar day (**00:00 to 23:59**), the service for that day will be deemed failed. Subject to the condition that the outage/ unavailability is not due to technical reasons outside the control of the service vendor. Examples include: Internet outage; temporary satellite unavailability due to technical reasons. In the event of the latter alternate satellites may be tasked to fulfil the surveillance requirement.
4. **Withholding of Payment:** In the event of a deemed failed service day, the proportionate payment for that day will not be paid by the Customer.
5. **Paying Authority:** The payment of bills will be made on submission of the following documents by the Seller to the Paying Authority i.e. JCDA(SVP) along with the bill: -

- a)** GST Tax Invoice
- b)** GST Payment Proof
- c)** Performance Bank guarantee
- d)** Details for electronic payment viz Account holder's name, Bank name, Branch name and address, Account type, Account number, IFSC code, MICR code (if these details are not incorporated in supply order/contract).
- e)** Any other document / certificate that may be provided for in the Supply Order / Contract.
- f)** Work Completion by Performance Evaluation Board.

Part III - Standard Conditions of RFP

The Bidder is required to give confirmation of their acceptance of the Standard Conditions of the Request for Proposal mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Seller in the Contract) as selected by the Buyer. Failure to do so may result in rejection of the Bid submitted by the Bidder.

1. Actual delivery (and Installation & Commissioning (if covered in scope of supply) is to be done at NSIL Customer's premises
2. **Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.
3. Bidders shall quote only those products (Part of Service delivery) in the bid which are not obsolete in the market and has at least 3 years residual market life i.e. the offered product shall not be declared end-of life by the OEM before this period.
4. **Certificates:** Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
5. Buyer Organization specific Integrity Pact shall have to be complied by all bidders. Bidders shall have to upload scanned copy of signed integrity pact as per Buyer organizations policy along with bid.
6. **Malicious Code Certificate:** The seller should upload following certificate in the bid: -
 - a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to: -
 - i. Inhibit the desires and designed function of the equipment.
 - ii. Cause physical damage to the user or equipment during the exploitation.

iii. Tap information resident or transient in the equipment/network.

b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

7. Manufacturer Authorization: Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

8. OPTION CLAUSE 50%: The buyer can increase or decrease the contract quantity or contract duration up to 50 percent at the time of issue of the contract. However, once the contract is issued, the contract quantity or contract duration can only be increased up to 50 percent. Bidders are bound to accept the revised quantity or duration. For lumpsum-based service contracts, the buyer may increase the scope of work and contract value up to 50 percent with the consent of the service provider

9. Past Project Experience:

a) **Proof for Past Experience and Project Experience clause:** For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria: a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed. Execution certificate by client with contract values. Any other document in support of contract execution like Third Party Inspection release note, etc. **Proof for Past Experience and Project Experience clause:** For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria: a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed. Execution certificate by client with contract values. Any other document in support of contract execution like Third Party Inspection release note, etc.

- 10. Service & Support:** Escalation Matrix for Service Support: Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

Part IV – Bid Evaluation Process

1. Techno-Commercial Bid Evaluation Process

- a) **Technical Evaluation Criteria:** The Technical Evaluation Matrix is enclosed herewith. Technical Evaluation of the bidders will be undertaken in two parts viz. **Document Verification and Live Demonstration**. During document verification, the documents submitted by the bidders will be evaluated against the parameters mentioned in the enclosed Vendor Evaluation Matrix. All bidders are to provide a live demonstration of the offered system. The date of demonstration will be intimated to the firms post opening of technical Bids. The firms are to demonstrate their system at the NSIL Customer premises within three days of intimation by the NSIL. Parameters to be demonstrated in the live demonstration are mentioned in the enclosed Technical Evaluation Matrix.

2. Vendor Qualification Criteria:

- a) **Vendor Capability Conditions:** The vendor will have to demonstrate his capability to deliver this product during TEC based on requirements mentioned in the enclosed Technical Evaluation matrix.

b) **Financial Capabilities:**

- i. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March 2026 should be greater than 10.Cr of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for these criteria.
- ii. **Years of Past Experience required:** The bidder must have experience for number of years as indicated above in bid

document (ending month of March prior to the bid opening) of providing similar type of services to any Central / State Govt Organization / PSU. Copies of relevant contracts / orders to be uploaded along with bid in support of having provided services during each of the financial year.

c) Past Experience: Past Experience of Similar Services The bidder must have successfully executed/completed similar Services over the last three years i.e. the current financial year and the last three financial years (ending month of March prior to the bid opening): -

- i. Three similar completed services costing not less than the amount equal to 8 Cr of the estimated cost
or
- ii. Two similar completed services costing not less than the amount equal to 10 Cr of the estimated cost
or
- iii. One similar completed service costing not less than the amount equal to 16 Cr of the estimated cost.



Price Bid Format

Feature Type	Feature as per Scope of Work	Qty
SAR	Nominal & Wide Swath SAR (High Priority Collection)	01 Year
EO	MR Wide Swath Electro-Optical (EO) Imagery with daily revisit (3.5 mtrs resolution) - 2,50,000 Sq Km area. 01 Image per Day.	01 Year
AIS	AIS Live Feed	01 Year
RF	RF Captures (Concurrent X & S band)	01 Year
Platform	Web-based SAAS Platform for planning, analysis, and visualization of satellite assisted MDA operation	01 Year
AI-ML	AI-ML analytics pipeline for Detection/Classification/Kinematics/RF Emitter Identity/Anomaly Detection	01 Year
Hardware	Air gapped desktop platform for MDA analytics & data visualization	01 Nos
Reports	Report of Anomalies for all types of Imagery (As required by the user)	01 Year
Addl	Any other additional costs to be considered	
	GRAND TOTAL (inclusive of all taxes)	

Part V– Performance Evaluation Cerifera

Performance Evaluation of the services provided by the vendor/ seller would be governed based on the following conditions: -

- a) Delivery of the specified number of satellite images on-demand for defined areas, with the conditions listed down in the Scope of Work.
 - b) Provision of periodic report/alerts/notification on changes in the maritime situation around A&N islands including, 'IUU Fishing', 'EEZ exploitation', military activity monitoring & transshipment.
 - c) Provision of image within **8 hours** of placement of demand would remain an important criterion towards determining efficacy of the services.
 - d) Availability of near real-time AIS data.
 - e) Optimal functionality of the following platforms: -
 - i. Tasking platform for bulk satellite image Indent processing/submission
 - ii. Internet based SAAS Platform for data visualization and analysis.
 - iii. An air gapped desktop platform for data visualisation and analysis.
1. Performance of the vendor/ seller would be evaluated as required by an evaluation board on the basis of abovementioned conditions.
2. **Product Support & Response Time:** The seller is to ensure that relevant initiation/ support should be made available to the buyer in case of a breakdown in the provision of the services. The response time of the seller should not exceed more than **08 hours** from the time the breakdown intimation is provided by the Buyer. Serviceability of 99% per year is to be ensured. Unserviceability should not exceed **0.33 days (08 hrs)** in a single instance and the total downtime should not exceed **75 hours** in the contract duration. Any instance of more than **08 hours** of unserviceability will be recorded as a lapse in services and necessary penal action will be taken against the seller as mentioned in the payment terms.

Appendix -A

Scope Of Work: Annual Subscription for Satellite Based Surveillance System

Detailed QRS For MDA Solutions

- 1) **Predefined Region:** Approximate Area of Coverage for each type of imagery is depicted as follows: -

S. N	Type of Imagery	Approximate Area of Coverage Per Image
(a)	RF (S-band and X-band)	500 Km x 500 Km
(b)	Nominal SAR (Resolution 3 Mtr or better)	Strip 30 Km x 50 Km
(c)	Nominal SAR (Resolution 1 Mtr or better)	Spot 5 Km x 5 Km
(d)	Wide Swath SAR (Resolution 15 Mtr or better)	100 Km x 100 Km
(e)	Contiguous Mosaic of MR Wide Swath Electro-Optical (EO) (Resolution 3.5 Mtr or better)	2,50,000 Sq Km
(f)	HR/VHR Electro-Optical (Resolution less than 1 Mtr)	5 Km x 5 Km

- 2) Exact locations/ co-ordinates, if required by the bidder, will be shared in a pdf format by the buyer. The locations will be shared only with companies which are registered with IN-Space for dissemination of above-mentioned Satellite Imagery Deliverables. Eligible bidders may request the buyer for exact locations via e-mail on eodata@nsilindia.co.in along with a copy of their IN-Space registration certificate.
- 3) The MDA solution to be delivered should conform to the following requirements: -

- a)** Web-based platform that allows planning, execution, reporting and costing of MDA operations in a user-friendly and intuitive manner.
- b)** The user must have the flexibility to task a host of wide swath SAR (X) band using various modes of imaging ranging from Scan SAR Wide/narrow) to Strip/ staring/ spotlight mode integrated to a GIS analytical tool that works on an updated AIS database.
- c)** Imagery analysis must be built into a Machine Learning pipeline that ingests images, pre-processes, analyses and displays detection crops on the platform.
- d)** Advanced AI/ML deep learning algorithms for detecting and classifying ships and aircrafts from electro-optic and SAR images of mid/low resolution. The system shall determine Ship type, length, breadth and other kinematic parameters (course and speed) and assign a Confidence Level to the detection/classification, for both AIS correlated vessels and non-AIS correlated vessels.
- e)** Correlation of near real-time AIS along with time-stamped SAR image for detection of 'Dark Shipping'. On detection of dark ships, the AI/ML tool may carry out relevant filtering of suspect vessel of interest from the detected dark ships using deep learning algorithms and AI models including historical pattern analysis from AIS data. Thereafter, an embedded vessel analytical tool to carry out optimisation of the most probable area and carry out semiautomatic tasking of MR/HR/VHR electro-optical imagery to confirm and classify a target.
- f)** Increase detection possibility in satellite tasking using EPA and Route forecasting tools that calculate and display likely future position of vessels from their instantaneous course and speed, including those with manoeuvring tracks.
- g)** The user must be able to visualise the orbital path of the chosen satellite on the display, as also its Field of View and Field of Coverage.
- h)** To assist in operational planning, the platform must display to the user the times at which any point/area can be imaged by a chosen satellite over the next 7 days.
- i)** The platform must implement a 'tip and cue' process for the detection,

localisation, classification and identification of ships at sea. The ‘tip and cue’ should be orchestrated using ML algorithms to recommend most suitable choice of satellite for the task.

- j)** User must have the flexibility to task ELINT satellites that capture marine radar emissions in S-band and X-band. Each radar detection is to be logged with precise Frequency, Pulse Width, PRF (Pulse Repetition Frequency) and Modulation characteristics with DoA accuracy of approximately 2 Km. Automated Radar classification including an estimate of the platform class.
- k)** The platform should be equipped with AI-ML analytics for automatic radar classification. The algorithm should output Radar Name, Platform, Country and Type of Radar.
- l)** Tactical geometries for calculation and display of tracks of manoeuvring vessels to enable accuracy in satellite tasking for detection of vessels.
- m)** The solution should have the ability to alert the user of: IUU Fishing, monitoring of notified Indian firing exercises by military vessels of other countries, EEZ violation, prolonged loiter in the AoI by non-Indian vessels.
- n)** Oil spill detection and movement reports to preserve the ecological sanctity of the covered area.
- o)** The solution must provide LLM generated contextual reports of the MDA operation.
- p)** AIS replay and historical track visualisation should be feasible.
- q)** The defined AoI should be scanned by medium resolution EO satellites at least once a day. For follow-on investigation, rapid tasking/cueing of Electro-optical satellites of resolution less than 1 metre should be available to image an area. Revisit Rate of Electro-optical satellite over the Area of Interest should be at least three times.
- r)** The MDA solution should have a flexible option to integrate sovereign sources made available by the user. When sovereign sources are fully integrated, additional data will be available for visualisation. These inputs will be over and above the existing/ already finalised inputs to the system

and will not hamper the existing requirement/ surveillance output. The technical parameters of the additional source/ input will be finalised post consultation with the service provider/ MDA solution provider to ensure seamless integration of the data inflow in the system. Towards integration with external or sovereign assets, the feasibility for integration will be mutually confirmed between the user and vendor. The feasibility is to be confirmed by the vendor within three days of raising of request by the user. Once the feasibility is confirmed, the user will be responsible for providing the data input and the vendor will be responsible for integration and ensuring that additional data will be available for visualisation. For the first integration of data, a period of seven days will be provided subsequently the timelines/ punitive actions in terms of liquidated damages will be levied as mentioned in the contract similar to other data outputs.

- s)** Priority access to SAR constellation of at least 10 satellites with intraday SCAN imaging capability.
- t)** Multi-sensor integrated satellite imaging platform with near real time delivery capability.
- u)** Should have successful running contracts with security organisations under the Government of India.
- v)** The solution should have fallback access to SAR imaging satellites during inclement weather when EO satellite efficiency is in doubt.
- w)** Satellite assisted monitoring and analysis of ports, aerodromes and waterways of interest.
- x)** LLM-generated situational reports to be made available on tasking basis on the following: -
 - i. Outcome of Satellite tasking and monitoring/analysis.
 - ii. Changes in number of units present in Harbour along with inferences to aid 'time and space' calculations.
 - iii. Analysis of tactical deployment of adversary units.
 - iv. Costing of MDA operation and satellite quota consumption.
- y)** Detection and classification of military aircrafts at enemy airfields using

HR EO/SAR imagery for assessment of threat to units at sea.

- z)** Web scrape OSINT information like NAVAREA warnings, military posts, etc. to assist in satellite tasking and operational analytics.

4) Deliverables. The resources that will be made available by the seller for the contract duration to support the above tasks are: -

S.N.	Features	Qty
a)	RF Captures (Concurrent X & S band)	10 Images
b)	Nominal & Wide Swath SAR (High-Priority Collection)	100 Images
c)	MR Wide Swath Electro-Optical (EO) Imagery with daily revisit (3.5 mtrs resolution) - 2,50,000 Sq Km area. 01 Image per Day.	365 Days
d)	HR/VHR Electro-Optical (<1mtr resolution) over ports, aerodromes or targets of interest	50 Images
e)	System Integrated Live-Feed of AIS on SAAS Platform	01 Year
f)	Web-based SAAS Platform for planning, analysis, and visualization of satellite assisted MDA operation	01 Year
g)	AI-ML analytics pipeline for Detection/Classification/Kinematics/RF Emitter Identity/Anomaly Detection	01 Year
h)	Air gapped desktop platform for MDA analytics & data Visualization	01 Nos
i)	Report of Anomalies for all types of Imagery (As required by the user)	01 Year

5) Satellite Imagery along with associated analytics mentioned at Para 4(a) to (d) above, is to be provided to the buyer within 08 hours of placement of demand by the buyer.

6) Three-layered platform approach for AOI Ingestion, Analytics, Reporting and Visualization: -

- a) Web-based SAAS Platform for planning, analysis, and visualization of satellite assisted MDA operation.
- b) Tasking platform for Satellite Indent Processing through secure link.
- c) Daily delivery of analysed EO images.
- d) An air gapped desktop platform with a lightweight application tool that supports raster/vector data and all kinds of AI based analytics reports.
- e) Support & Synced with all possible indents and analytical results to display results in a user-friendly manner.

7) Considering the sensitivity of the information likely to be processed, appropriate information security, data protection and cyber security requirements will be incorporated in the technical and contractual provisions. All the satellite imagery and related inputs to and from the seller are to be treated as confidential and handled according to the extant regulations applicable to the buyer. The actions that will be required to be undertaken by the seller towards data security are as follows: -

a) Hosting and Data Location Requirements:

- i. All Government data, satellite imagery, derived surveillance products, metadata, system configurations, logs, backups and other information classified as Government data shall be hosted, processed and stored only at locations approved by the Government/User.
- ii. The vendor shall clearly disclose the physical/geographical location of the primary hosting infrastructure, backup and disaster-recovery infrastructure, data processing infrastructure and any cloud infrastructure used for delivery of the service.
- iii. Where cloud or third-party infrastructure is proposed, the vendor shall identify the cloud/service provider, applicable region/data centre location and all third parties having access to or custody of Government data.

- iv. Government data shall not be transferred, stored, processed or accessed from outside the locations/jurisdictions approved by the user without prior written authorisation. Any change in hosting location, cloud region, subcontractor or material data-processing arrangement shall be subject to the approval requirements specified in the contract.

b) Access control. The Service Provider shall implement:

- i. Multi-factor authentication for privileged and administrative access
- ii. Administrative access to systems containing Government data shall be restricted to specifically authorised personnel.

c) Audit Logging and Monitoring: The Service Provider shall maintain tamper resistant audit logs for security-relevant activities:

- i. User authentication
- ii. Privileged access
- iii. Access to Government data
- iv. Data download/export
- v. Modification/deletion of data
- vi. Encryption-key access or management
- vii. Configuration changes
- viii. Security incidents
- ix. Administrative activities
- x. Logs shall be retained for the period specified by the buyer and shall be made available for authorised audit, inspection or investigation.

d) Cybersecurity testing requirements: All the services provided by the vendor are to clear the vulnerability assessment as per buyer's regulations.

e) Data Retention and Deletion: Government data shall be retained only for the period specifically authorised under the contract. The Service Provider shall not retain, copy, archive, replicate or otherwise

preserve Government data beyond the authorised retention period except with the written approval of the Government/User. Upon expiry/termination of the contract or on specific direction of the Government/NSIL Customer, the Service Provider shall securely delete/destroy Government data, including copies maintained in:

- i. Production systems
 - ii. Backup systems
 - iii. Disaster-recovery systems
 - iv. Temporary storage
 - v. Cloud storage
- f)** The Service Provider shall furnish a certificate of secure deletion/destruction, where required.
- g)** Where an external/cloud-based LLM, API or other third-party analytical service is proposed, the vendor will be required to clearly disclose the applicable data-handling arrangements. Government data, prompts, imagery, system information and generated outputs shall not be retained, disclosed, reused or utilised for training or any other secondary purpose except where specifically authorised by the Government and expressly provided for in the contract.
- h)** In addition to the above the vendor would be required to submit duly executed Malicious Code Certificate.

8) Usage of government provided data

- a)** All Government-provided data, satellite imagery, geospatial information, prompts, queries, system configurations, datasets, operational information and other information supplied by or on behalf of the Government shall remain the property of the Government. The Service Provider shall use such information solely for performance of the contracted services and shall not retain, disclose, reproduce, commercially exploit, transfer, publish, distribute or otherwise use it for any secondary purpose without prior written authorisation of the Government. Government data, prompts, imagery, configurations or outputs shall not be used for training, retraining, fine-tuning, reinforcement learning, benchmarking or

improvement of any general-purpose or third-party AI/LLM model unless specifically authorised in writing. Where external AI/LLM, cloud or third-party services are used, the Service Provider shall disclose the applicable data-processing arrangements and shall ensure that the same restrictions are contractually imposed upon such third parties. AI/LLM-generated reports, analytical outputs, alerts, classifications and other products generated specifically from Government data or for the Government under the contract shall be made available to the Government in the agreed format and shall not be commercially exploited or disclosed to third parties without authorisation. Any Government-specific model, dataset, configuration or other intellectual property developed specifically under the contract shall be governed by the ownership/licensing provisions specified therein. On expiry or termination of the contract, Government data and authorised outputs shall be returned/exported and residual copies securely deleted in accordance with the contract, subject to any expressly authorised retention requirement.

- b)** The provisions will survive termination/expiry of the contract to the extent required for protection and secure disposal of Government information.
- 9) Fall back/contingency arrangement in case the AI/LLM service becomes unavailable, produces outputs outside the prescribed acceptance criteria or is discontinued by the underlying technology provider.
- a)** The vendor will be required to maintain an approved fallback/alternate processing mechanism and ensure continuity of the contracted surveillance service. Any replacement AI/LLM or material change in the underlying technology will be subject to validation and acceptance by the Government/NSIL Customer against the prescribed technical, security and performance criteria. Appropriate provisions relating to data portability, migration assistance, Recovery Time Objective (RTO) / Recovery Point Objective (RPO) and responsibility for continuity of service will also be incorporated.

Appendix B **TECHNICAL EVALUATION MATRIX**

Part-I: Document verification

S. N	Criteria	Compliance Status (Yes/No)	Reasons for Non-Compliance	Supporting Documents Required
1.	The bidder should self-certify that they have not been blacklisted by any organisation under the Govt of India/Central PSU as on the date of submission of the bid.			Undertaking by the Bidder
2.	The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March 2026 should be greater than Rs. 10 Crores.			Turnover Certificate from a qualified Chartered Accountant or Tax Returns for last three years
3.	Bidder to enclose their Support and Escalation Matrix to substantiate their capability to provide required support for the project			Support and escalation matrix document
4.	Bidder to enclose the proposed Architecture document to ascertain their understanding of the required solution			Proposed Architecture document
5.	The bidder should have executed project for providing similar service to Indian Navy,			Contract Agreement / Work

S. N	Criteria	Compliance Status (Yes/No)	Reasons for Non-Compliance	Supporting Documents Required
	Indian Coast Guard, NTRO or such other Govt Security Organisations during preceding three financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria: - Single contract of at least Rs. 16 Crore OR two contracts of at least Rs. 10 Crore each OR three contracts of at least Rs. 8 Crore each. Similar services will include Supply of MDA Services including Satellite Imagery like RF, EO, VHR EO and SAR images as sought in the Scope of Work.			Completion Certificate
6.	The company should be Indian owned, and the product should be entirely designed and developed in India.			Undertaking by the firm
7.	Bidder must be registered with Indian National Space Promotion and Authorisation Centre (IN-Space) for dissemination of Satellite Imagery Deliverables as mentioned in the Scope of Work			Valid Registration Certificate from IN-Space
8.	EMD/ EMD Exemption Certificate submitted			EMD or EMD Exemption

S. N	Criteria	Compliance Status (Yes/No)	Reasons for Non-Compliance	Supporting Documents Required
				Document as per DPM
9.	Acceptance of Standard Conditions of Contract (SCOC) and other terms and conditions given in the RFP			Undertaking by the firm duly mentioning the GeM Bid Number
10.	Acceptance of Payment Terms			Undertaking by the firm duly mentioning the GeM Bid No and Payment Terms as per Bid Document.
11.	Bidder should mention the constellations that will be used for different types of Imagery and submit Authorisation from the respective constellation operators.			Authorization Letter or Exclusive Data Partnership Agreement with the Constellation Operators

Note: In case necessary documentary proofs are not enclosed, the firm is liable to be rejected

Part – II : Live Demonstration

S.N.	Criteria	Assessment and Performance Markers	Compliance (Yes/No)
1.	Live Constellation Querying	The seller must be able to ascertain the feasibility of satellite imaging over a Point/ Area of Interest over the next 7 days using dynamic API calls to multiple satellite constellations. The user must be able to visualise the Field of View/ Field of Regards and Orbital Path for a constellation of choice for a selected period of time.	
2.	Low latency Global AIS	Live streaming of AIS with filters to query on message parameters (Vessel type/ Flag/ Navigation Status)	
3.	Live Satellite Tasking	Satellite Tasking over a point/ AOI. Must include EO/ SAR/ RF.	
4.	Past Track	Visualisation of historical AIS Track for a given date range	
5.	Historical Playback	Playback of vessel movement within a defined area and time	
6.	Change Monitoring in Ports	Port(s) of Interest will be monitored on a continuous basis for detection and monitoring of ship traffic and related movements.	
7.	Automated Vessel Detection and Classification	Automated Detection and Classification of Vessels from EO and SAR images. Followed by AIS correlation to determine dark ships. Generate Course and Speed of both correlated and uncorrelated vessels. Visual depiction of crops of detected vessel.	
8.	Time & Space analytical Tool	Creation of Tactical geometries including EPA on the platform for operational tasking.	
9.	Anomaly Detection	Notifications/ Alerts for EEZ Violations, IUU Fishing, Suspicious Ship-to-ship transfers,	

S.N.	Criteria	Assessment and Performance Markers	Compliance (Yes/No)
		Loitering in unusual areas, Identity Spoofing, Sanctions Breach, NAVAREA warnings	
10.	Aircraft Detection & Classification	Military Aircraft Detection at Airfield using VHR EO	
11.	Automatic Radar Classification	Task ELINT satellite to capture marine radar emissions in S band and X-band. Each radar detection is to be logged with precise frequency, Pulse Width, PRF (Pulse Repetition Frequency) and Modulation Number. Output Radar Name, Platform, Country and Type of Radar in addition	
12.	Automated LLM based Report Generation	Generate situational reports on the following: - (i) Outcome of Satellite Tasking (ii) Changes in number of units present in Harbour (iii) Satellite Quota consumption	
13.	Data Capture and Retrieval	All data pertaining to the user’s activity should be stored in the system and should be retrievable for analysis at all times.	
14.	Satellite Ephemeris Data & Planning Inputs	Satellite Ephemeris data should be readily available for user specific planning of imagery capture/indent raising.	

If a bidder experiences a catastrophic network or cloud hosting connectivity failure during their live demonstration due to factors outside their control, the bidder will have to provide documentary evidence about the factors outside their control. On receipt of evidence, TEC may grant one final opportunity to the bidder to provide live demonstration within 24 hours. If the bidder fails to demonstrate during the second slot for any reason, the vendor will be declared non-compliant.