

ANTRIX CORPORATION LIMITED
A Government of India Company under Department of Space

Purchase & Stores Section

Phone : 080 22178323
Email: purchase@antrix.gov.in

Antrix Corporate Office,
Antariksh Bhavan Campus,
New BEL Road,
Bangalore – 560094
India

EOI No. 16-17-182

Dt. 22-06-2017

Purchase & Stores Officer, Antrix invites sealed Expression of Interest (EOI) on Single Part for the following:

Sl. No.	EOI No.	Description
1.	16-17-182	Procurement of VHR Satellite Imagery, High Resolution DEM, Microwave Remote Sensing (SAR) Imagery and Ground Control Points (GCP)

Last date for seeking any clarification : 24 July, 2017
Last Date for submission : 3 August, 2017 (1600 hrs.) IST
Date of opening : 4 August, 2017 (1100 hrs.) IST
EOI Fee : ₹ 573/- each

NOTE:

- EOI documents can be downloaded from Antrix web site: www.antrix.gov.in. In case Tenderer is using the documents and forms downloaded from the website, the cost of EOI documents can be sent by the Tenderer to the addressee in the form of crossed Bank Demand Draft (DD) drawn in favor of “Antrix Corporation Limited” to be attached with forwarding letter in a separate envelope along with other envelopes containing the EOI response.
- Vendors from foreign country need not send EOI fee. Any EOI submitted by Indian vendor or Indian agent shall be accompanied by EOI fee.
- EOI documents can also be collected from Purchase & Stores Officer, Antrix Corporation Limited on payment of EOI Fee in the form of Demand Draft drawn in favor of Antrix Corporation Ltd., from 1000hrs to 1600hrs on all working days till 2 August, 2017 (except on Saturdays, Sundays, General Holidays).
- Vendors/firms name and EOI No. shall be indicated on the reverse side of the DD.
- Detailed specification, terms and conditions are furnished in the EOI document.

6. DD should not be dated prior to the date of advertisement / intimation / website.
7. Antrix will not be responsible for non-receipt of EOI documents / offers due to postal delay / loss in transit.
8. Quotations received from Indian sources without payment of EOI fee will be treated as unsolicited.
9. Indian agents while quoting on behalf of their principal shall provide necessary authorization letter from their Principal
10. It may be noted that, an Indian Agent cannot submit two or more quotations on behalf of two or more different Foreign Principals. If submitted, all offers will be rejected.
11. EOI shall be valid for a period of 120 days from the date of opening.
12. EOI received after the due date and time will not be considered.
13. While submitting the EOI please superscribe EOI No. and due date on the envelope addressed to Purchase and Stores Officer, Antrix Corporation Limited, Antariksh Bhavan Campus, New BEL Road, Bangalore-560094, INDIA.
14. If EOI opening date happens to be public holiday, the EOI will be opened on the next Working day and interested Vendors may depute their Representative to attend the EOI opening along with authorization letter.
15. Any clarification on the EOI shall be sought on or before 24 July, 2017. Clarification received after the due date will not be considered.
16. Any clarification will be notified in Antrix website.
17. Purchase and Stores Officer, Antrix reserves the right to accept or reject any EOIs in part or full without assigning any reasons whatsoever.

PURCHASE & STORES OFFICER



एंट्रिक्स कॉर्पोरेशन लिमिटेड/ANTRIX CORPORATION LIMITED

(अंतरिक्ष विभाग के अंतर्गत भारत सरकार की एक कंपनी/
A Government of India Company under Department of Space)

एंट्रिक्स कॉर्पोरेट कार्यालय, अंतरिक्ष भवन परिसर

Antrix Corporate Office, Antariksh Bhavan Campus

न्यू बी.ई.एल. रोड, बेंगलूरु/New BEL Road, Bengaluru- 560 094, भारत/India

Invitation for Expression of Interest [EOI]

From Satellite Owners/ Operators and GCP vendors to provide Very High Resolution Satellite Imagery, High Resolution DEM, Microwave Remote Sensing (SAR) Imagery and Ground Control Points for Antrix's requirements.

1. Introduction:-

Antrix Corporation Limited (Antrix) is a wholly owned Government of India Company under the administrative control of Department of Space (DOS). Antrix is the commercial arm of Indian Space Research Organisation (ISRO). Antrix promotes and commercially markets the products and services emanating from the Indian Space Programme. The current business activities of Antrix include:-

- a) Provisioning of communication satellite transponders to various users
- b) Providing launch services for customer satellites
- c) Marketing of data from Indian and Foreign remote sensing satellites
- d) Building and marketing of satellites as well as satellite sub-systems
- e) Establishing ground infrastructure for space applications, and
- f) Mission support services for satellites.

2. Objective:-

The proposal is to invite Expression of Interest (EOI) from the satellite owners/ operators and GCP Vendors to provide products, as described under "**Scope of the work**". The basic purpose of this EOI is to identify and make an inventory of all possible potential foreign satellite owners/ operators and GCP vendors to supply products to meet the Antrix's requirements. It is proposed to enter into Reseller Agreements and Rate Contracts for the products defined under the "Scope of the work".

3. Scope of the Work:-

Antrix proposes to procure the following products to meet its requirements:

1. Panchromatic or Pan Sharpened Natural Color (PSNC) data with Location Accuracy better than 5m (CE-90) without GCPs.
 - 1.1. Class A: 30 cm native resolution or better at Nadir
 - 1.2. Class B: 31 cm to 40 cm native resolution at Nadir
 - 1.3. Class C: 41 cm to 50cm native resolution

2. Panchromatic Stereo data
 - 2.1. 30 cm native resolution
 - 2.2. 50 cm native resolution
3. Four band (Blue, Green, Red and Infrared) Multispectral data of better than 2.0m resolution
4. DSM/ DEM/ DTM
 - 4.1. Digital Surface Model (both WGS84 and Geoid): Vertical accuracy of 3m or better (LE-90) in all slopes of terrain for 3m, 5m and 12m posting intervals.
 - 4.2. Digital Elevation Model/ Digital Terrain Model (both WGS84 and Geoid): Hydrologically corrected with vertical accuracy of 3m or better (LE-90) in all slopes of terrain for 3m, 5m and 12m posting intervals.
5. X-Band SAR data of better than 1m native resolution
6. 'L' Band SAR data of 10m or better resolution
7. Ground Control Points with horizontal accuracy of better than 10 cm (3σ) and vertical accuracy of 20 cm (3σ) along with the sketch which could be identified in a satellite imagery of better than 50cm.

4 Delivery Time:-

The Respondent/ Vendor should have the capability to provide the data products described in the Scope of work, within the stipulated time as defined hereunder:

- Priority 1: Within 24 hours of order placement
- Priority 2: Within 7 days of order placement
- Priority 3: Within 30 days of order placement
- Priority 4: Within 90 days of order placement

5 Eligibility Criteria:-

Respondent/ Vendor should have the following capabilities:-

- Should be either satellite owners or operators or GCP Providers
- Should have the capability to supply one or more products mentioned under the "Scope of work" within the specified "Delivery Time"
- Should make arrangements to address queries in near real time
- Responsible to get all necessary approvals in their country for this purpose
- Agree to have Antrix as reseller for the products chosen and permit Antrix to transfer the licenses to its customers.

6 License:-

Antrix will enter into rate contracts with the selected Vendor(s) for the selected products described under the Scope of the Work. Antrix shall acts as a reseller for the products ordered and reseller discount/ revenue sharing shall be provided to Antrix.

7 Terms and Conditions:-

Shortlisting of the vendors for different types of products shall be done based on the following criteria:-

- Evaluation of EOI will be done by an Expert Committee constituted by Antrix and its decision will be final.
- If the foreign vendor has an authorized agent in India, either the Indian Agent on behalf of the principal/OEM or Principal/OEM itself can submit the EOI but both cannot simultaneously submit the EOI for the same item/ product in the same EOI.
- If an agent submits the EOI on behalf of the Principal/OEM, the same agent shall not submit an EOI on behalf of another Principal/OEM in the same tender for the same item/ product.
- Antrix may call for technical presentation, if necessary.
- A pre-bid meeting for those who qualify in EOI will be held. Vendors who expressed their interest and qualified ONLY will be called for pre-bid meeting.
- Request for Proposal (RFP) will be provided only to the eligible respondents/ Vendors (who have submitted their EOI) to enable submitting Technical and Price bids.
- Evaluation of RFP will be done by an Expert Committee constituted by Antrix
- Subsequent to finalization of Vendor(s) for various products defined under the "Scope of the Work", Antrix shall enter into Reseller Agreement and Non-Disclosure Agreement with the Vendor(s).
- Antrix may, at its discretion, enter into parallel agreements for any products defined under the "Scope of the Work",
- This proposal is initiated as an EOI. Antrix reserves the right to accept or reject all or any such "Expression of Interest"; without assigning any reasons whatsoever.

8 Any further enquiries shall be addressed to:-

Purchase and Stores Officer
Antrix Corporation Limited
Antrix Corporate Office
Antariksh Bhavan Campus,
New BEL Road, Bengaluru – 560 094
INDIA
Phone: 0091-80-2217 8340
Email: purchase@antrix.gov.in

9 Submission of EOI:-

Foreign satellite owners/ operators (Respondents/ Vendors) and GCP Vendors meeting the eligibility criteria and interested in providing various satellite data products and GCPs described under the “Scope of the work” are invited to submit the Expression of Interest in the format provided in **Annexure-A** in a sealed envelope, subscribing the envelope with the tender enquiry number for “**Invitation for Expression of Interest [EOI] to provide Very High Resolution Satellite Imagery, High Resolution DEM, Microwave Remote Sensing (SAR) Imagery and GCPs for Antrix’s requirements**”, to the following address:-

Purchase & Stores Officer
Antrix Corporation Limited
Antrix Corporate Office
Antariksh Bhavan Campus,
New BEL Road, Bengaluru – 560 094
INDIA
Phone: 0091-80-2217 8340

Last date for seeking Clarification : **24 July, 2017.**
Last Date for Submission of EOI : **3 August, 2017 at 16:00 Hrs (IST)**
Opening date of EOI : **4 August, 2017 at 11:00 Hrs (IST)**

EOI No.: 16-17-182

Sl. No.	Parameter	Response																									
1.	Name of the Respondent submitting the Expression of Interest																										
2.	Registered address with Phone, Fax, Email, Web etc.																										
3.	Nature of the Vendor: (Proprietary / Partnership / Private Ltd. etc.) with Name and address of Proprietor, Partners, Board of Directors, etc. <i>(Relevant Documents should be attached)</i>																										
4.	List of Major Customers (Procuring data of more than 50000 Sq. km/ annum) in India and abroad.																										
5.	Whether Respondent is a Satellite owner or operator or GCP provider?																										
6.	If the Respondent is not the Satellite owner, then the Name of the owner of the Satellite																										
6.1	If answer to 6 is YES, furnish copies of agency agreement with the principal with Letter of Authority to bid against this Expression of Interest																										
6.2	Confirmation with respect to compliance with RBI requirements for enlistment of Indian agents.																										
7.	<p>Types of Products (with reference to the “Scope of the Work” given in Para No. 3) for which Expression of Interest is provided.</p> <p>(Tick Yes only if you are interested to supply the Product)</p> <table border="1"> <thead> <tr> <th>Product Type</th> <th>Priority 1 (within 24 Hrs of order Placement)</th> <th>Priority 2 (within 7 days of order Placement)</th> <th>Priority 3 (within 30 days of order Placement)</th> <th>Priority 4 (within 90 days of order Placement)</th> </tr> </thead> <tbody> <tr> <td>1. Panchromatic or Pan Sharpened Natural Color (PSNC) data with Location Accuracy better than 5m (CE-90) without GCPs.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1.1. Class A: 30 cm native resolution or better at Nadir</td> <td>Yes / No</td> <td>Yes / No</td> <td>Yes / No</td> <td>Yes / No</td> </tr> <tr> <td>1.2. Class B: 31 cm to 40 cm native resolution at Nadir</td> <td>Yes / No</td> <td>Yes / No</td> <td>Yes / No</td> <td>Yes / No</td> </tr> <tr> <td>1.3. Class C: 41 cm to 50 cm native resolution</td> <td>Yes / No</td> <td>Yes / No</td> <td>Yes / No</td> <td>Yes / No</td> </tr> </tbody> </table>		Product Type	Priority 1 (within 24 Hrs of order Placement)	Priority 2 (within 7 days of order Placement)	Priority 3 (within 30 days of order Placement)	Priority 4 (within 90 days of order Placement)	1. Panchromatic or Pan Sharpened Natural Color (PSNC) data with Location Accuracy better than 5m (CE-90) without GCPs.					1.1. Class A: 30 cm native resolution or better at Nadir	Yes / No	Yes / No	Yes / No	Yes / No	1.2. Class B: 31 cm to 40 cm native resolution at Nadir	Yes / No	Yes / No	Yes / No	Yes / No	1.3. Class C: 41 cm to 50 cm native resolution	Yes / No	Yes / No	Yes / No	Yes / No
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2. Panchromatic Stereo Data					
2.1	Panchromatic Stereo data with 30 cm native resolution	-	Yes / No	Yes / No	Yes / No
2.2	Panchromatic Stereo data with 50 cm native resolution	-	Yes / No	Yes / No	Yes / No
3	Four band (Blue, Green, Red and Infrared) Multispectral data of better than 2.0m resolution	Yes / No	Yes / No	Yes / No	Yes / No
4.1	Digital Surface Model (DSM) (both WGS84 and Geoid): Vertical accuracy of 3m or better (LE-90) in all slopes of terrain • Class A: 3m Posting Interval • Class B: 5m Posting Interval • Class C: 12m Posting Interval	-	WGS84/Geoid/ Both Yes / No Yes / No Yes / No	WGS84/Geoid/ Both Yes / No Yes / No Yes / No	WGS84/Geoid/ Both Yes / No Yes / No Yes / No
4.2	Digital Elevation Model/ Digital Terrain Model (DTM) (both WGS84 and Geoid): Hydrologically corrected with vertical accuracy of 3m or better (LE-90) in all slopes of terrain. • Class A: 3m Posting Interval • Class B: 5m Posting Interval • Class C: 12m Posting Interval	-	WGS84/Geoid/ Both Yes / No Yes / No Yes / No	WGS84/Geoid/ Both Yes / No Yes / No Yes / No	WGS84/Geoid/ Both Yes / No Yes / No Yes / No
5	X-Band SAR data of better than 1m resolution.	Yes / No	Yes / No	Yes / No	Yes / No
6	'L' Band SAR data of 10m or better resolution.	Yes / No	Yes / No	Yes / No	Yes / No
7	GCP of 10cm (3σ) Horizontal accuracy and 20cm (3σ) Vertical accuracy	-	Yes / No	Yes / No	Yes / No
8.	Acceptance to have Antrix as Reseller for the products provided and transfer the licenses to its customers.	- Yes / No			
9.	Acceptance to provide the Reseller Discounts/ Revenue sharing to Antrix.	- Yes / No			
10.	Acceptance to sign Non-Disclosure Agreement with Antrix	- Yes / No			

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