

**EXPRESSION OF INTEREST FOR  
SUPPLY OF GPS-GAGAN  
ENABLED DONGLE ALONG WITH  
STANDARD ACCESSORIES AT  
NESAC, UMIAM**

**OCTOBER 2016**

**भारत सरकार/Government of India  
अंतरिक्ष विभाग/Department of Space  
उत्तर-पूर्वी अंतरिक्ष उपयोग केंद्र/North Eastern Space Applications Centre  
उमियम/Umiam-793103, मेघालय/Meghalaya**

**भारत सरकार/GOVERNMENT OF INDIA**  
**अंतरिक्ष विभाग/DEPARTMENT OF SPACE**  
**उत्तर-पूर्वी अंतरिक्ष उपयोग केंद्र/NORTH EASTERN SPACE APPLICATIONS CENTRE**  
**उमियम/UMIAM-793103, मेघालय/MEGHALAYA**

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**EXPRESSION OF INTEREST**

Director, NESAC, Umiam, Meghalaya request Expression of Interest (EOI) from suitable firms for

संदर्भ सं. / Ref No.	कार्य का नाम / NAME OF THE WORK	निविदा शुल्क / TENDER FEE (₹)
NESAC/755/2016	Supply of GPS-GAGAN enabled Dongle along with standard accessories at NESAC, Umiam	₹ 250/-

दस्तावेजों के विक्रय का दिनांक / Dates for selling of tender documents: 01.11.2016 to 30.11.2016 upto 1300 Hrs

निविदा दस्तावेजों को जमा करने की अन्तिम तिथि व समय / Last date & Time for submission of tender documents: 30.11.2016 up to 1400 Hrs

निविदा खोलने की तिथि, समय व स्थान / Date, Time & Venue of Bid Opening: 30.11.2016 at 1500 Hrs at एनई-सैक, उमियम / NESAC, UMIAM

**Instructions to Tenderers:**

1. For full details and terms and conditions etc., please see the enclosed annexures.
2. Tender documents can be obtained from the Administrative Officer, NESAC, Umiam.
3. Tender Fee shall be paid in form of CROSSED Demand Draft only. The Demand Draft should be in favor of Director, NESAC drawn on State Bank of India, Umiam (branch Code 2010). The Tender Fee is NON-REFUNDABLE. Your request letter along with Tender Fee may be addressed to the Administrative Officer as indicated above.
4. Interested tenderers may, at their option, download the tender documents from the NESAC website [www.nesac.gov.in](http://www.nesac.gov.in) and submit the Expression of Interest along with the prescribed tender fee as per details given in the tender notification.
5. While requesting for Tender Documents, please superscribe on the cover as "Request for Tender document against Tender Notice No. **NESAC/755/2016**
6. Expression of Interest received after the due date/time will not be considered.
7. While sending sealed quotation/offer/ Expression of Interest, superscribe respective Tender Number and Due Date on the envelope.
8. NESAC, UMIAM is not responsible for any postal delays/loss of documents in transit.
9. Director, NESAC reserves the right to accept or reject any/or all the quotations/Expression of Interest in part or full.

Sd/-

Dated: 28.10.2016

निदेशक, एनईसैक / Director NESAC

# INVITATION FOR EXPRESSION OF INTEREST (EOI) FOR SUPPLY OF SMARTPHONE AT NESAC, UMIAM

(संदर्भ सं./REF. NO. NESAC/755/2016 Dt.28/10/2016)

Director, NESAC invites Expression of Interests (EOI) for prequalifying the manufacturers and suppliers of GPS-GAGAN enabled Dongle in India to participate in the proposed tender for “Supply of GPS-GAGAN enabled Dongle along with standard accessories at NESAC, Umiam”

## INTRODUCTION

The North Eastern Space Applications Centre (NESAC) was established in September 2000 at Umiam, Shillong, Meghalaya as an autonomous institution under Dept of Space (DOS) jointly with North Eastern Council (NEC). The NESAC is responsible to provide space technology inputs and services to the process of developmental planning of the North Eastern Region. The major roles of the Centre include:

- a) providing operational remote sensing based inputs in the development and management of natural resources and infrastructure in the Region,*
- b) providing satellite communication based applications in education, health and disaster management support,*
- c) establish space science research hub with various academic institutions of NE Region.*

NESAC management is guided by the policy guidelines given by NESAC Society and administration of the Centre is looked after by the Governing Council. The Centre is located permanently at Umiam, Meghalaya.

## BRIEF SCOPE OF PROJECT

These GPS-GAGAN enabled Dongle are required for an e Geo-tagging project to be handled by NESAC in NER states. These will be distributed to various users of NER states and to be used for dissemination of various data from field to a central server using mobile apps through internet. The vendor needs to supply the GPS-GAGAN enabled Dongle to NESAC at Umiam.

## ELIGIBILITY CRITERIA

1. OEM (Original Equipment Manufacturer) may participate directly. If the tenderer is not OEM but dealer/stockiest/firm/contractor/agency etc., they shall be authorized by the OEM for their products under the EOI. Party has to provide **ink signed EOI Specific OEM Authorization Certificate** for quoted item.
2. The OEM/dealer/stockiest/firm/contractor/agency must have experience in dealing with GPS-GAGAN enabled Dongle. **Documentary evidence** to be produced.
3. There shall be warranty of minimum one year for the quoted items. **A declaration** may be given.
4. The quoted product shall comply with the minimum specification as mentioned in Annexure I. **Technical data sheet from OEM** for the quoted product shall be submitted. If this product is required to manufacture specially for this supply, **letter from OEM supporting this is required.**
5. Letter from OEM confirming that the products quoted are not obsolete and the product will be supported for at least 3 Years from the date of supply. Whether the product is being manufactured/assembled in India or is imported. A **declaration** may be given.
6. The tenderer shall be capable of supplying all the 500 GPS-GAGAN enabled Dongle within 1 month to NESAC. A **declaration** may be given

## SUBMISSION OF EOI:

**The tenderer may express their interest by communication in written form in their later pad along with submission of the copy of documents as listed out in sl. No. 1-6 (bold & under signed) of eligibility criteria within 16<sup>th</sup> November, 2016 to the following:**

The Administrative Officer  
North Eastern Space Applications Centre  
Department of Space, Govt. of India  
Umiam, Meghalaya, PIN-793103

**EMD and tender fee is not required during this time of submission of EOI. On the envelop they must write, "EOI for Supplying GPS-GAGAN enabled Dongle to NESAC, Umiam"**

## SELECTION METHODOLOGY

1. There will be pre-qualification meeting of the tenderers on **17<sup>th</sup> November, 2016 at 1000 hrs** at NESAC, Umiam. The tenderer **must bring all the documents in original as listed out in sl. No. 1-6 (bold & under signed) of eligibility criteria to the pre-qualification meeting. Without these documents in original, they will not be able to participate in the pre-qualification meeting.**

2. In the pre-qualification meeting, a ppt presentation is to be given by the tenderer on all aspect including qualifying criteria as mentioned above including technical details of the product along with its physical demonstration to a committee. If the GPS-GAGAN enabled Dongle is required to manufacture by OEM especially for this supply, a similar GPS-GAGAN enabled Dongle of the same OEM may be demonstrated.
3. The list of finally shorted out tenderer will be finalized in the pre-qualification meeting based on the eligibility criteria and performance of the product in demonstration. The qualified tenderer will be allowed to participate in the procurement process and submit their bids as per purchase procedure of department including submission of Tender fee and EMD as defined in the tender documents. They must submit these bids with in **25<sup>th</sup> November, 2016 till 1400 hrs.**
4. On the **25<sup>th</sup> November, 2016 at 1430 hrs, bids will be open at NESAC, Umiam** following the purchase procedure of the department.
5. The pre-qualification shall be valid for 06 month from the date of pre-qualification meeting.
6. No transportation and logistic support will be provided to the tenderer for the pre-qualification meeting.

#### **NOTE**

1. Director, NESAC, Umiam reserves the right to accept or reject any or all EOI either in part or in full without assigning any reasons thereof.
2. Director, NESAC, Umiam reserves the right to cancel the EOI process without assigning any reasons thereof.

## Annexure-I

The Minimum Technical Specifications of GPS-GAGAN enabled dongle is as follows:

<u>Performance</u>		Offered Specification (Make/Model: )	Compliances Yes/No/Highe r
Channels	Minimum 14		
Signals	GPS L1, C/A code and GAGAN L1, C/A code		
Cold Start Time To First Fix (TTFF)	1 Minute or better(less)		
Hot Start TTFF	15 Second or better(less)		
Positioning Modes	GPS+ GAGAN, GPS Standalone		
Horizontal Pos. Accuracy	2.5 m(RMS) with GAGAN, 5 m(RMS) standalone GPS or better		
Speed Accuracy	0.1 m/s(RMS) or better		
Position Update Rate	1 Hz		
Recording Rate	1 Hz		
Altitude	-1000 m to +15000m		
Storage	100,000 or more records		
Operation Power Mode	Battery Driven		
Battery Life	Minimum 24 Hours		
<u>Power/ Antenna/ Interface</u>			
Power Supply	Rechargeable Li-ion Battery (Charger to be supplied along with)		
Antenna	Inbuilt GPS Antenna		
External Antenna Support	Should be present through SMA interface		
Host Interface	Mini-B USB interface for serial communication		
GUI Data Formats	NMEA, .kml, .igc		
Communication/ Compatibility	Through Data Cable or Bluetooth (version 2.0+ EDR or higher)  Must be compatible with Smartphone equipped with Androids OS (Version: KitKat (4.4.2) or above)		
Bluetooth frequency and Power	2.4 GHz(ISM)/ Class 2, less than or equal to 4dB		