



অসম ৰাজ্যিক মহাকাশ প্ৰয়োগ কেন্দ্ৰ

(বিজ্ঞান, প্ৰযুক্তি আৰু জলবায়ু পৰিৱৰ্তন বিভাগ, অসম চৰকাৰ)

ASSAM STATE SPACE APPLICATION CENTRE

(Department of Science, Technology and Climate Change, Govt. of Assam)

Bigyan Bhawan, Near ABC Point, G. S. Road, Guwahati -781005, Assam, India

E-mail : dirassac2021@gmail.com

Ref. No. ASSAC/1860/2018/2021-22/46

Date.: 19.02.2022

Notice Inviting Quotation

Sealed Quotation along with IPO of Rs.20/- (Rupees twenty only) non-refundable are invited by the undersigned from reputed Government Registered Firms having Remote Sensing and GIS lab facilities with trained manpower of this domain to complete the task of digitization / interpretation of satellite imagery as per scope of work attached as below within stipulated time frame of one and half months. Both Technical and financial bid to be submitted in separate sealed envelope. The interested firms should have trained manpower strength and relevant credentials in working in this field to execute the task as per defined methodology and guideline of project of ASSAC. A pre-bid discussion will be held in this respect on 24.02.2022 (at 4 PM) through hybrid mode. For online mode link will be shared on request to dirassac2021@gmail.com.

The time schedule for completing the task is one and half months (45 days) and minimum manpower to be deployed is around 20 nos.

The sealed quotation along with all relevant documents should reach undersigned on or before 5th of March,2022 by 2:00 PM which will be opened on same day at 3:00 PM.

Interested party may be present during the tender opening. The unit price should be quoted inclusive of all applicable taxes and duties. Study Area to cover entire Assam as per number of Watersheds defined for each Batch of the project as per scope of work.

Scope of Work:

Monitoring of Integrated watershed Programme (IWMP) using Geospatial Technology. Duration of the project is one and half months to complete 238 sites of various batches (i.e. for B1=8, B2=71, B3=69, B4=50 and B5=40).

Task involves:

- Monitoring and evaluation of projects sites carried out w.e.f 2009-10 to 2013-14 (i.e. B1 to B5). Each project to be monitored for consecutive 5 years using temporal satellite data to be shared by ASSAC.
- To be analysed using onscreen interpretation in GIS compatible format
- The task also involves evaluation and assessment based on DRISHTI photograph uploaded in BHUVAN Geoportal and change detection of Land Use Land Cover (LULC) of each micro watershed to be carried out including report generation as per format to be shared by ASSAC.

Methodology and Materials to be provided:

- The work involves monitoring of changes due to implementation of IWMP activities (intervention on ground within each microwatershed) and to evaluate the impact accordingly as per project manual prepared by NRSC (to be shared by ASSAC).
- High resolution satellite data to cover each specific project sites will be shared by ASSAC for time period from T0 to T5 for respective projects sites covered under Batch1(B1) to Batch5(B5).
- Project sites AOI (Area of Interest) to be shared by ASSAC in GIS compatible .shp format along with T0- LULC.
- Onscreen image interpretation considering T0 as Base line LULC and Change Detection thereof for each project site for consecutive 5 years to be prepared along with cross matrix table and report.
- Changes observed on image othe that point of interest i.e. DRISHTI point to be detected and mappedtowards assessing comprehensive changes in the project area.
- DPR to be explored for each specific project sites for type of intervention in each of the Batches for reporting and changes thereof. Screen shots of Point of Interest to be captured for reporting.
- IWMP projectwise report incorporating thematic maps, to be prepared in prescribed format as per technical manual
- Sample copy of the report of one project site as an example enclosed.
- No. of IWMP project sites in each batch for which database and report to be generated are as follows:

Sl. No.	Batch No.	Total No of Projects to be executed
	Batch-1(2009-10)	8
	Batch-2(2010-11)	71
	Batch-3(2011-12)	69
	Batch-4(2012-13)	50
	Batch-5(2013-14)	40
	Batch-6(2014-15)	NA
		238

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Batch		BATCH 1	BATCH-2	BATCH - 3	BATCH-4	BATCH-5
YEAR	SISDP LULC(T0)	T0	T0	T0	T0	T0
2013-2014	T1	8(T1)				
2014-2015	T2	8(T2)	71(T1)			
2015-2016	T3	8(T3)	71(T2)	69(T1)		
2016-2017	T4	8(T4)	71(T3)	69(T2)	50(T1)	
2017-2018	T5	8(T5)	71(T4)	69(T3)	50(T2)	40(T1)
2018-2019			71(T5)	69(T4)	50(T3)	40(T2)
2019-2020				69(T5)	50(T4)	40(T3)
2020-21					50(T5)	40(T4)
2021-22						40(T5)

Total probable project sites = 238 nos. and for each site 5 consecutive years change detection to be analysed and prepare report as per format.

N.B.

1) Intervention on ground under the projects such as RCC Check dam, Drainage Channel, Farm Pond, Field Bund, Nalah Bund, Earthen Embankment, Gabyon Structures, Ring Well, Tube Well & Hand Pump and Afforestation measures are to be explored in BHUVAN Geo portal through DRISHTI points uploaded by SLNA.

2) For further clarification and issues related to pre bid meeting following officials may be contacted:

i)Utpal Sarma, PSO, (usarma552@gmail.com, mobile: 7002390717)

ii)Dipankar Sarma, Project Scientists (dipankarkumarsarma86@gmail.com, mobile: 9706260638)

Submission of Tender Documents:

i)Last date of submission of Final Tender Documents in all respect is 27.02.2022.

ii)Both Financial and Technical Bid to be submitted in separate sealed envelope. Tender documents may be submitted through online mode too with password protection. Password for the same may be shared during opening of bid documents on 28.02.2022. Two separate p[password provision may be made for each of the Technical and Financial Bid. Online submission to be made in dirassac2021@gmail.com.

P. Sarma

Terms and Conditions:

1. An amount of Rs.3000/- in form of DD to be deposited by the bidder towards EMD. The DD towards EMD to drawn in favour of the Director, ASSAC payable at Guwahati. EMD will be returned as per norms (within one month after successful completion of the task) without any interest. EMD will be forfeited if the task is not completed in time and as per specifications of work order.
2. Tender documents to be submitted in two bid system both financial and technical in separate sealed envelope. Document may be submitted in physical mode as well as in password protected online mode. Online submission to be made to (dirassac2021@gmail.com)
For online submission IPO & EMD may be submitted on or before 27.02.2022 prior to opening of the documents.
3. Only those having requisite lab facilities and experience having sufficient man power will be selected.
4. Director, ASSAC or his representative may visit the firm for physical verification of laboratory facility if necessary.
5. The firm should have minimum experience of 2(two) years in similar type of work supported by documentary evidence.
6. The firm must be recognized by Central/State Govt./University or may be a reputed Institution.
7. The selected firm will have to carry out the entire works using its manpower at ASSAC office premises or its own laboratory. If carried out the task in its own laboratory a Non Disclosure Agreement to be signed regarding ownership of data and sharing thereof by concerned firm for any other business.
8. Work should be completed within one and half months (45 days) from the date of issue of work order.
9. Valid PAN No. and GST No. are to be mentioned clearly along with photocopy. Otherwise quotation will be rejected.
10. 90% payment will be released within 15 days from the date of successful delivery of the items and the remaining 10% will be released after Final Quality Checking (both internal and external), Within 2 months.
11. The rates should be quoted in Indian rupees and should be inclusive of all applicable taxes and duties (Income Tax /GST No. etc.) and applicable taxes will be deducted at source against which necessary Tax Deduction Certificate will be issued as and when required.
12. Sample copy of the report attached for ready reference for execution of the task.
13. Any dispute what so ever will be confined under the jurisdiction of the Gauhati High Court only.
14. The Director, Assam State Space Application Centre (ASSAC) reserves the right to accept any offer that should be advantageous to this council or reject any or all quotations without assigning any reason thereof.



(P.L.N Raju)

Director, ASSAC

Copy to:

- i) FAO, ASSAC for information and n/a
- ii) Dy FAO ASTEC information and n/a
- iii) I/C Administration, ASSAC for publishing the matter in News Paper & Official Web site
- iv) Notice Board, ASSAC
- v) Office File for record