

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

फोन/Tel.: 0364-2570036
 फेक्स/Fax: 0364-2570139
 ईमेल/Email: purchase.nesac@nesac.gov.in

CORRIGENDUM-II

Please refer to our NIT No. NESAC/1567/2023 dated 30.06.2023 for 'Request for Proposal for Selection of Agency to Implement Development of Space Based Land Use Intelligence System for Guwahati (SLIS-G)'. We hereby amend and add the following clause of the tender document to the extend indicated below:

IN PLACE OF	TO BE READ AS
<p>4. Scope of Work. 4.5 Mobile Application for alert tracking and ground verification vi) Support for the English and Assamese Language</p>	<p>4. Scope of Work. 4.5 Mobile Application for alert tracking and ground verification vi) Support for the English, Assamese and Hindi Language</p>
<p>7. Bill of Quantities S.No.2 • Hosting at Local Staging environment and 6 months of maintenance • Security Audit charges • CERT-IN charges</p>	<p>7. Bill of Quantities S.No.2 • Hosting at Local Staging environment and 6 months of maintenance. The final operational hosting will be done at State Data Centre/ASSAC. But the bidder need to specify all necessary hardware server requirement. The staging server will be provided by NESAC for carrying out the testing/ validation of the work done as per scope of work etc. Bidder will have to share the minimum server specification for carrying out this. • Security Audit charges and CERT-IN charges - Security audit and CERT-in charge is included as part of the scope. The access to the State Data Centre will be provided to carry out this.</p>
<p>4. Scope of Work. 4.9 Capacity Building Ensuring that existing information and knowledge i.e., both technical and functional are made accessible to and shared among all the stakeholders. It is the responsibility of the agency to provide required capacity building activities to all stake holder or participating departments. • Workshops: The agency shall conduct at least one workshop within 3 months from the date of issuing work order at NESAC premises that completely explains workflow and mechanism to the higher officials of the respective Departments. • Classroom based Training: 2 days classroom training for each stake holder department with complete practical training about the concerned module pertaining to the concerned department/stakeholder. Further, the agency shall provide "Help and Troubleshooting guidebooks" to all the participants both hard and soft copy format. ○ During the Classroom training the participants shall be allowed to practice on the real time data and the test data should be destroyed without any loss to the real time data. • Initial Data Entry: During the classroom training, the agency shall provide the following activities: ○ Land resources data creation, validation, and verification. ○ Initial data entry creation, validation, verification for few units ○ Stakeholder wise template training. • Online Support: The agency shall provide online support for the Decision Support System that has been designed, developed, and delivered to all the participating stakeholders.</p>	<p>4. Scope of Work. 4.9 Capacity Building Ensuring that existing information and knowledge i.e., both technical and functional are made accessible to and shared among all the stakeholders. It is the responsibility of the agency to provide required capacity building activities to all stake holder or participating departments. Bidder should note that First level capacity building has to be carried out in-person. Subsequent training may be conducted online. • Workshops: The agency shall conduct at least one workshop within 3 months from the date of issuing work order at NESAC premises that completely explains workflow and mechanism to the higher officials of the respective Departments. • Classroom based Training: 2 days classroom training for each stake holder department with complete practical training about the concerned module pertaining to the concerned department/stakeholder. Further, the agency shall provide "Help and Troubleshooting guidebooks" to all the participants both hard and soft copy format. ○ During the Classroom training the participants shall be allowed to practice on the real time data and the test data should be destroyed without any loss to the real time data. ○ Comprehensive Training manual with clear Steps of Operations must be made available in physical copy. A. editable soft copy also need to be submitted. • Initial Data Entry: During the classroom training, the agency shall provide the following activities: ○ Land resources data creation, validation, and verification. ○ Initial data entry creation, validation, verification for few units ○ Stakeholder wise template training. • Online Support: The agency shall provide online support for the Decision Support System that has been designed, developed, and delivered to all the participating stakeholders.</p>



IN PLACE OF	TO BE READ AS
<p>4. Scope of Work. 4.10 Annual Maintenance and Operation support • Dedicated Operational Team: The agency must position 1 dedicated resource so that the operation and maintenance works are attended without problem and efficiency of the system is at its best.</p>	<p>4. Scope of Work. 4.10 Annual Maintenance and Operation support • Dedicated Operational Team: The agency must position 1 dedicated resource at bidder premises for 6 months so that the operation and maintenance works are attended without problem and efficiency of the system is at its best. • NESAC can provide accommodation as per the availability and payment will have to be taken care by the Vendor as per actual</p>
<p>5 Intellectual Property iii) The bidder should share all source codes / modules developed as part of SLIS-G with the ability to later scale/extend by NESAC</p>	<p>5 Intellectual Property iii) The bidder should share all source codes / modules developed as part of SLIS-G with the ability to later scale/extend by NESAC. All modules developed as part of SLIS-G must be shared to NESAC. These developed modules must be able to scale/extend by NESAC as per future needs. No extra licensing/cost not be incurred for doing this.</p>
<p>2. Objective Key objectives of SLIS-G: j) Leverage Open-Source technologies in providing a scalable and performant solution.</p>	<p>2. Objective Key objectives of SLIS-G: j) Leverage Open-Source technologies in providing a scalable and performant solution. The software can be both Open Source as well as COTs as well as any customized solution</p>
<p>4. Scope of work 4.6 Hosting and Go Live The platform will be hosted on cloud, managed, and supported by the bidder from development to stabilization period of up to 6 months.</p>	<p>4. Scope of work 4.6 Hosting and Go Live The platform will be hosted on infrastructure provided at State Data Centre/ASSAC, managed and supported by the bidder from development to stabilization period of up to 6 months.</p>
<p>3. Instruction to Bidder 3.4 Basic Eligibility Criteria f) The Bidder should have successfully completed projects involving development of Web GIS based systems pertaining to Automated Change detection/ Encroachments using AI/ML analytics in minimum of one state capital of India using Satellite and Drone imageries during last 3 years. Such project reports should be submitted as documentary evidences.</p>	<p>3. Instruction to Bidder 3.4 Basic Eligibility Criteria f) The Bidder should have successfully completed projects involving development of Web GIS based systems pertaining to Automated Change detection/ Encroachments using AI/ML analytics in minimum of one state capital of India using Satellite and Drone imageries during last 5 years. Such project reports should be submitted as documentary evidences.</p>
<p>3. Instruction to Bidder 3.6 Evaluation Criteria and Award of Contract A. Specific experience of the bidder relevant to the assignment / job A.3 The Bidder must have experience and carried out operational projects in Commissioning of web-basedAI / Machine learning analyticson Satellite or Drone based Imagery for any central / state government department in last 3 years in India. The application should have the features such as [a] Auto Fetching of satellite Imagery and pre-processing on cloud [b] Mobile based workflow to capture changes via mobile devices on the go to validate via geotagged images and video [c] Auto detection, Feature extraction and classification of Encroachment/ Change Detection [d] Auto identification of point of interests using AI/ML on Satellite or Drone Imageries such as Solid Waste Dumps, Green Cover, Road Quality. 1. One Work Order : 5 marks 2. Two Work Orders: 10 marks 3. Three Work Orders: 15 marks 4. Four work Orders : 20 marks</p>	<p>3. Instruction to Bidder 3.6 Evaluation Criteria and Award of Contract A. Specific experience of the bidder relevant to the assignment / job A.3 The Bidder must have experience and carried out operational projects in Commissioning of web-basedAI / Machine learning analyticson Satellite or Drone based Imagery for any central / state government department in last 5 years in India. The application should have the features such as [a] Auto Fetching of satellite Imagery and pre-processing on cloud [b] Mobile based workflow to capture changes via mobile devices on the go to validate via geotagged images and video [c] Auto detection, Feature extraction and classification of Encroachment/ Change Detection. This should include alert generation module to notify the changes to all the concerned officials/departments. [d] Auto identification of point of interests using AI/ML on Satellite or Drone Imageries such as Solid Waste Dumps, Green Cover, Road Quality. 1. One Work Order : 15 marks 2. Two Work Orders: 20 marks</p>
<p>3. Instruction to Bidder 3.6 Evaluation Criteria and Award of Contract A. Specific experience of the bidder relevant to the assignment / job A.4 The Bidder must have experience in development of cloud-based system with workflow, alerts, Cloud computing and Big Data Analytics with option to retrieve historical satellite data, Machine Learning based detections, alerts and analytics for any state or Central Government in last 3 years in India. a. Each project with live URL – 1 mark (max up to 10 marks)</p>	<p>3. Instruction to Bidder 3.6 Evaluation Criteria and Award of Contract A. Specific experience of the bidder relevant to the assignment / job A.4 The Bidder must have experience in development of cloud-based system with workflow, alerts, Cloud computing and Big Data Analytics with option to retrieve historical satellite data, Machine Learning based detections, alerts and analytics for any state or Central Government in last 5 years in India. a. Each project with live/demo URL – 1 mark (max up to 10 marks)</p>



IN PLACE OF	TO BE READ AS
<p>3. Instruction to Bidder 3.6 Evaluation Criteria and Award of Contract A. Specific experience of the bidder relevant to the assignment / job A.5 Experience in Mobile Application with workflow management for data collection & validation for any state or Central Government in last 3 years in India. With the following features such as [a] Capability to capture geo-intelligent features latitude, longitude with geo tagged photos and videos of land use changes[b] MIS and interactive visualization of land use change alerts[c] Integrated Workflow management. 1. One Work Order: 5 marks 2. Two Work Orders: 10 marks 3. Three Work Orders: 15 marks Note: These work orders shall be different than A.3</p>	<p>3. Instruction to Bidder 3.6 Evaluation Criteria and Award of Contract A. Specific experience of the bidder relevant to the assignment / job A.5 Experience in Mobile Application with workflow management for data collection & validation for any state or Central Government in last 5 years in India. With the following features such as [a] Capability to capture geo-intelligent features latitude, longitude with geo tagged photos and videos of land use changes[b] MIS and interactive visualization of land use change alerts[c] Integrated Workflow management. 1. One Work Order: 15 marks 2. Two Work Orders: 20 marks</p>
<p>Additional terms to be added in Sl. No. 3. Instruction to bidders 3.1 General q) NESAC will provide the Imagery</p>	

1. DATASHEET		1. DATASHEET	
Sl. No. 6. Submission of Proposal Due Date	07.08.2023 at 01:00 PM	Sl. No. 6. Submission of Proposal Due Date	10.08.2023 at 01:00 PM
3.2 IMPORTANT DATES		3.2 IMPORTANT DATES	
Sl. No. 4. Bid Submission Date	07.08.2023 at 01:00 PM	Sl. No. 4. Bid Submission Date	10.08.2023 at 01:00 PM
Sl. No. 5. Technical Bid Opening Date	07.08.2023 at 03:00 PM	Sl. No. 5. Technical Bid Opening Date	10.08.2023 at 03:00 PM

Other terms and condition remains unaltered. Further Corrigendum/Addendum if any, will be published in our official website.

Dated: 02.08.2023



☐
Sd/-
निदेशक एनईसैक /Director, NESAC