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## *Minutes of Pre-Bid Meeting Dtd. 21/08/2019*

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RFP NOTICE NO: ASTEC/ARSAC-1858/2018/2019-20/1219

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Following are the resolutions considered during the pre-bid meeting held at Assam Science Technology and Environment Council (ASTEC) premises on 21/08/19 against the above referenced RFP.

1. Participating bidders registered with NSIC or under MSME/UAM (Udyog Aadhaar Memorandum) will be exempted from EMD/Tender fee subject to submission of supporting documents, as is applicable. However, selected bidder will have to abide by the submission of 10% Security Deposit of the total work value on subject to allotment of work order.
2. Bidders are required to submit an ISO 9001:2015 quality certificate along with the list of other documents referenced in the eligibility section.
3. Date for submission of Bid Documents has been extended **to 10/09/2019 by 2:00 pm** and opening of the same has been scheduled for the same day at 2:30pm with Prototype Demonstration.  
**(N.B: Date of submission is extended till 15/10/2019 2p.m.Other T & C will remain same)**
4. Selected bidder will have to submit 2nos. of hard copy and a Digital document for each of the user manual and operational handbook post work deployment.
5. Tender Committee resolved that comparative statement will be considered/calculated based on the rating of Technical Evaluation Matrix and Financial Matrix. In this context it may be noted the ratio between Technical & Financial Bid is 70:30, respectively.
6. Objectives Section, Clause 1(Page no. 3), an additional theme will be provided i.e. Ground Water Quality Layer.
7. Bidders need to have expertise in handling json files. A dataset (geo-tagged data) in json file format will be provided for integration and display of the same in portal is expected.
8. Deliverables Section, Clause 3(Page no. 8). The above application has to be

developed and delivered within 3 months from the date of commencement of work (on-site / offsite). Bidders need to provide 2-year support after commissioning of the project.

9. The Clause No. 13 i.e. **Evaluation of Proposal** has been amended by the Tender Committee as follows:

### **13. EVALUATION OF PROPOSAL**

Tenders will be evaluated based on the following phases:

Phase I: Evaluation of Technical Bid

Phase II: Evaluation of Financial Bid

Phase III: Combined Evaluation of Technical & Financial Bid

#### **Phase I: Evaluation of Technical Criteria**

i) In this part the technical bid of agencies will be analysed and evaluated on the following criteria:

SI. No.	Technical Criteria				Marks Obtained	Total Marks	Minimum Qualifying Marks**
1	<b>Experience of the Bidder in the development of WEB GIS platforms for Govt./PSUs/autonomous bodies/Authority/Private firms.</b>	<b>Count</b>	<b>Work Value (Rs.)</b>			10	10
	a) Completion of One Project with completion Certificate						
	b) Completion of more than One Project with completion Certificate*					10	
2	<b>RFP Specification</b>					20	20
3	<b>Any other Advanced Specification</b>	Migration/Portability (√)	Service period (√)	Free Web Hosting (√) ***		20	
	In open Source Platform						
4	<b>Prototype Demonstration or Live Demo of Homepage &amp; WEB GIS framework along-with architecture</b>					20	10
5	<b>Work Plan and Methodology for implementing the work</b>	WEB GIS expertise (√)	Onsite (√)	Offsite (√)		20	10

**N.B:** \* Marking pattern against Clause 1. (b) will be considered as under:

- Projects delivered in the range of 2 – 5nos. with completion certificate will carry 5 marks.
- More than 6nos. of projects delivered with completion certificate will carry 10 marks.

\*\* Bidders need to score minimum qualifying marks for each technical criteria, as above.

\*\*\* Free Web hosting (complete solution) within AMC period. Weightage/marks will be

*given to bidders offering 1year of free web hosting services. Migration, post free web hosting period to local servers at ASTEC will be the sole responsibility of the vendor.*

ii) Bidders failing to meet the technical criteria by scoring less than 50 marks shall not be considered for Financial Bid.

iii) Analysis of qualification and technical bid: -

1. In this part, the bid will be analysed and evaluated and the bid marks ( $S_{tm}$ ) shall be assigned to each bid on the basis of evaluation matrix.
2. Each competency group will have Minimum Qualification Score and only those Bids receiving marks greater than or equal to cut-off marks in each competency group will be eligible for consideration in financial bids. If required, the Authority may seek specific clarifications from any or all Tenderer(s) at this stage. The Authority shall determine the Tenderer that qualify for the next phase after reviewing the clarifications provided by the Tenderer(s).

3. Bid Score: The Bid Score ' $S_t$ ' of the Tenderer shall be derived as under:

$$S_t = (S_{tm}/S_H), \text{ where}$$

**$S_t$  is the Bid Score**

**$S_{tm}$  = Total bid marks of the bid under consideration**

**$S_H$  = Highest total bid marks amongst all evaluated bids**

iv) The Authority reserves the right to modify the evaluation process at any time during the Tender process, without assigning any reason, whatsoever, and without any requirement of intimating the Tenderer of any such change. At any time during the process of evaluation the Authority may seek specific clarifications from any or all Tenderer.

### **Phase II: Evaluation of Financial Bid**

i) In this phase, the Financial Bids of the Agencies who qualify the technical bid in Phase I shall be opened. Formula to determine the scores for the Financial Bids shall be as follows

$$S_f = (F_L / F),$$

**Where**

$S_f$  is the Financial Score

$F_L$  is the value of lowest Commercial Bid

$F$  is the price quoted in the bid under consideration

### **Phase III: Evaluation of combined Qualification and Technical & Financial Bid**

i. The Total score of the Tenderer will be determined as under:

$$\text{Total Score } (T_s) = (70 \times S_t) + (30 \times S_f)$$

- ii. The Bid of the Tenderer, who obtains the highest  $T_s$  value, will be rated as the best Bid. In the event of a tie, the bid with the highest technical score ( $S_t$ ) will be rated as the best bid. Beyond that, Authority will decide the matter in its full discretion.
- iii. The Authority will award the Contract to the successful Tenderer whose bid has been determined to be substantially responsive and has been determined as the best bid, provided further that the Tenderer is determined to be qualified to perform the Contract satisfactorily. The Authority shall however not bind itself to accept the best bid or any bid and reserves the right to accept any bid, wholly or in part.

Clarification against Pre-Bid Queries from "AABSyS"

Sl. No	Description	Section No	Page No	Query	Remarks
1	Bidders shall submit an IPO of Rs. 20/- or Court fees of Rs. 8.25 only or D.D. of Rs. 20/- in favour of "Director, ASTEC" payable at Guwahati	Section No 7. Eligibility Criteria, Sl. No 1	Page No 11	Bidder shall submit all the 3 things i.e IPO of Rs. 20/-, Court fees of Rs. 8.25 only, and D.D. of Rs. 20/- <b>OR any of the 1</b> IPO of Rs. 20/- or Court fees of Rs. 8.25 only or D.D. of Rs. 20/-.  Please clarify!	Any of the one: IPO of Rs. 20/- or Court fees of Rs. 8.25 only or D.D. of Rs. 20/-
2	Tender document may be sent by Registered POST.	Section 9, Point No xiv	Page No 14	Its mentioned tender document may be sent by Registered POST. Is it mandatory to send it through Registered POST or we can send it through Courier.  Please confirm.	Please note, it is not mandatory to send it via Reg. POST. However, concerned item should reach address on time.
3				Is there any Tender cost for this tender? Please confirm	No
4	1. Generation of Village level Resource database for each Gaon Panchayat of prioritized districts i.e. the Resource Information in GIS using Remote Sensing for following themes: a) Land Use / Land Cover on 1:10,000 scale	Objectives	Page No 3	Will the Inputs be provided by ASTEC such as Satellite Imageries based on which the LULC map, Slope Map etc. will be prepared or the Bidder has to perform the work. Please clarify!	Data will be provided by ASTEC in shape and json file format

	<p>b) Irrigated and unirrigated villages within GP's</p> <p>c) Wetlands (Major, notified and revenue)</p> <p>d) Wasteland</p> <p>e) Soil type based on legacy data</p> <p>f) Slope</p> <p>g) Settlement</p> <p>h) Socio-economic data (census data).</p> <p>i) Ground Water Quality Layer</p>			
5	Dissemination of available cadastral maps through WMS for activity planning by GP officials	Objectives, Page 4	Will the Cadastral Maps be provided by ASTEC? Please clarify!	Yes
6	Experience of the Bidder in the development of WEBGIS platforms for Govt. /PSUs /autonomous Bodies / Authority.	Section 13, Evaluation of proposal, Page 16	Against the criteria we are requesting ASTEC kindly consider private sector also.	Private is included

*Clarification against Pre-Bid Queries from "Mercantile Agents"*

7	As the solution required by you is not based on any readymade/COTS platform, the department will have to depend upon the vendor who will develop the application for all support. Under such circumstances, your requirement of 2 years of IT/GIS experience (Page 11, Sl.No.2) seems too less. The bidder should have minimum 10 years of IT/GIS experience.			2 years of IT/GIS experience will suffice to qualify
8	Moreover, the bidder must also have an established office in Guwahati for a period of 10 years at least and all technical support must be made available from GUWAHATI			Not applicable
9	As per Govt. of India initiative, vendors registered under MSME/UAM (Udyog Adhaar Memorandum) should be exempt from Tender fee and EMD.			Participating bidders registered with NSIC or under MSME/UAM (Udyog Aadhaar

				Memorandum) will be exempted from EMD/Tender fee subject to submission of supporting documents, as is applicable. However, selected bidder will have to abide by the submission of 10% Security Deposit of the total work value on subject to allotment of work order.
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*Clarification against Pre-Bid Queries from “CyberSWIFT Infotech Pvt. Ltd.”*

#	Page No with Particulars	Queries	Remarks from Client
1	<p><b>Page 13</b> 9.3 Bidder shall submit an Earnest Money Deposit (EMD) amounting to Rs.20,000.00 (Twenty thousand) by Demand Draft from any Nationalized/Commercial bank. The EMD shall remain valid for a period of 6 months from the date of opening of the Bids. The EMD amount of successful bidder will be retained by this office and it would be released soon after successful completion of 6 months without any interest thereof. Moreover, the EMD of the unsuccessful bidder will be released soon after the acceptance of the said work by the selected bidder, subject to submission of an application.</p>	<ul style="list-style-type: none"> <li>We are registered with NSIC &amp; we are exempted from EMD &amp; Tender Cost. Supporting document is provided with the pre-bid queries. Kindly confirm.</li> </ul>	<ul style="list-style-type: none"> <li>Participating bidders registered with NSIC or under MSME/UAM (Udyog Aadhaar Memorandum) will be exempted from EMD/Tender fee subject to submission of supporting documents, as is applicable. However, selected bidder will have to abide by the submission of 10% Security Deposit of the total work value on subject to allotment of work order.</li> </ul>
2	<p><b>Page 14</b> 9.14 Offer received through Fax/E-mail or through open letter will not be accepted as per norms. <b>Tender document may be sent by Registered POST.</b></p>	<ul style="list-style-type: none"> <li>We are requesting you to consider the submission of the tender documents by hand.</li> </ul>	<ul style="list-style-type: none"> <li>Vendor can submit the tender documents by hand in drop box on or before the specified time</li> </ul>

3	<p><b>Page No 14</b> <b>9.16</b></p> <p>Bidders attending Technical Bid Opening are required to present a 10minute presentation, <b>Prototype Demonstration or Live Demo</b> of Homepage &amp; WEB GIS framework along-with architecture</p>	<ul style="list-style-type: none"> <li>● Within very short time it is difficult to present a prototype or live demo for this application. We can give demonstration of any web GIS application for other organizations which is similar in nature. We are assuming that live demonstration of any other web GIS application is acceptable for the presentation. Kindly confirm.</li> </ul>	<p>Vendor can give demonstration of any web GIS application work executed for other organizations which is similar in nature</p>
4	<p>Generation of Village level Resource database for each Gaon Panchayat of prioritized districts i.e. the Resource Information in GIS using Remote Sensing for following themes:</p> <ol style="list-style-type: none"> <li>a) Land Use / Land Cover on 1:10,000 scale</li> <li>b) Irrigated and unirrigated villages within GP's</li> <li>c) Wetlands (Major, notified and revenue)</li> <li>d) Wasteland</li> <li>e) Soil type based on legacy data</li> <li>f) Slope</li> <li>g) Settlement</li> <li>h) Socio- economic data (census data).</li> </ol>	<ul style="list-style-type: none"> <li>● We are assuming that department will provide all the GIS data and map for the preparation of web GIS. Kindly confirm</li> <li>● We are assuming that GIS data development, Map rectification, geo-referencing or any other spatial adjustment or any type of field survey is out of scope. Kindly confirm.</li> </ul>	<p>Yes, but if required spatial adjustment needs to be done.</p>
5	<p>Page no. 4 3.</p> <p>Dissemination of available cadastral maps through WMS for activity planning by GP officials.</p>	<ul style="list-style-type: none"> <li>● We are assuming that department will provide all the Cadastral Maps &amp; the maps are in geo-referenced format. We are not responsible for geo-referencing or any spatial adjustment of the cadastral maps if the boundary of the adjacent maps are not matched. Kindly confirm.</li> </ul>	<p>Yes, but if required spatial adjustment need to be done.</p>
6	<p>Page No. 4 4.</p> <p>Integration and display of census records (demographic and socioeconomic) into each GP through the Web- GIS portal.</p>	<ul style="list-style-type: none"> <li>● Who will provide census data? We are assuming the department will provide the census data.</li> </ul>	<p>ASTEC will provide</p>



7	<p>Page no. 4 6.</p> <p>GPRIS should be enabling users to geo-tag inputs of various assets with photograph storage facility and update changes in soil and water quality layers, landslide zones, flood site information, LULC etc. as well as provide for the display of captured information on the portal. Facilitate for the retrieval of Database (Geo-tagged inputs) through an API.</p>	<ul style="list-style-type: none"> <li>● Kindly confirm that whether any android mobile application is required for the for-field data collection &amp; geo-tag image is required or not.</li> <li>● Who will provide the data of landslide zones, flood site information? Kindly confirm</li> </ul>	<p>No, mobile application is not required. However, the desktop application needs to be facilitated with manual geo-tagging of features with photograph storage facility as well as provide for the display of captured information on the portal. Application should allow for reporting any event in general by end user.</p>
8	<p>Page no. 5 Scope of work</p> <p>This database will provide inputs for various Govt. schemes like Krishi Sanchayee Yojana, Village Resource plan etc. It will serve objectives of Jan Bhagidaari or public participation in Geospatial governance applications and serve the objectives of space inputs for Governance as well as Digital India and unlock the issues for the development of selected Aspirational districts.</p>	<ul style="list-style-type: none"> <li>● Who will provide the data Scheme data? Whether it is in GIS format or what? Please confirm</li> </ul>	<p>Yes, ASTEC will provide in GIS format</p>
9	<p>Page no. 5 Application Features Integration of WMS of different thematic layers and Base Map (High Resolution Satellite Image, Topographic Maps, Hybrid maps) from Google maps, Bing maps etc.</p>	<p>Google &amp; Bing map can't be use as free. Google Map Pricing Details: <a href="https://developers.google.com/maps/billing/understanding-cost-of-use#nonprofit-crisis-response-and-news-media-organization-grants">https://developers.google.com/maps/billing/understanding-cost-of-use#nonprofit-crisis-response-and-news-media-organization-grants</a></p>	<p>We propose for Google/Bing Maps Free-tier not commercial edition</p>

		<p><b>Google Map Price calculator:</b>  <a href="https://mapsplatformtransition.withgoogle.com/calculator">https://mapsplatformtransition.withgoogle.com/calculator</a></p> <p>Alternatives to Google Map:</p> <ul style="list-style-type: none"> <li>• Open Street Map ( Fully Free)</li> <li>• Bing Map (API Key to be provided by Dewan Housing Finance Corporation)</li> </ul> <p>● <b>Bing Map Pricing Details:</b>  <a href="https://azuremarketplace.microsoft.com/en-us/marketplace/apps/bingmaps.mapapis?tab=PlansAndPrice">https://azuremarketplace.microsoft.com/en-us/marketplace/apps/bingmaps.mapapis?tab=PlansAndPrice</a></p> <p>Kindly confirm whether google map or bing map? And whether you want commercial lic?</p>	
10	<p>Page no. 6  Geo data base creation  NNRMS Database design and standardization will have to be followed for the creation of Geo Database Schema by the selected bidder, which in turn will also help ARSAC to integrate the generated legacy data separately into the Database of BHUVAN STATE NODE.</p>	<ul style="list-style-type: none"> <li>● Please provide NNRMS Database design and standardization format? Or from where we can find.</li> <li>● We are assuming the legacy data &amp; Bhuvan State node data will be provided by the department. Kindly confirm</li> <li>● We have understood that Integration with Bhuvan portal is out of scope?</li> </ul>	<ul style="list-style-type: none"> <li>● Data provided by ASTEC will by default abide by NNRMS database design</li> <li>● Yes, we will provide</li> <li>● Yes</li> </ul>
11	<p>Page no.6</p>	<ul style="list-style-type: none"> <li>● We are assuming that Server will be provided by the client side. Kindly confirm</li> </ul>	<ul style="list-style-type: none"> <li>● Yes, server will be provided</li> </ul>
	<p>Web Hosting &amp; Commissioning of the Portal  The selected bidder shall be solely responsible for testing, web hosting, and commissioning of the complete and accepted web GIS portal in the onsite server.</p>	<ul style="list-style-type: none"> <li>● If server is provided by the bidder, the separate cost needs to be added in the financial bid?</li> </ul>	<ul style="list-style-type: none"> <li>● No question of bidder provided server. On premise server will be provided</li> </ul>
12	<p>Page no. 8 Deliverables  WebGIS Portal covering:  i) Application Software of GPRIS (covering all the aspects explained in Objectives &amp; Scope of work section)  ii) Operation Handbook and Training</p>	<ul style="list-style-type: none"> <li>● How many copies of operational handbook and training manual will be required?</li> <li>● SRS preparation module will be there where we will discuss with your officials and prepare SRS and after getting</li> </ul>	<ul style="list-style-type: none"> <li>● Selected bidder slated to carry out the development work will have to submit Hard copy and a Digital document for each of the user manual and operational handbook post work deployment</li> </ul>

	<p>Manual (Guidance to add new features / modification of existing features) for the complete solution.</p> <p>iii) The above application has to be developed and delivered within 3 months from the date of commencement of work (on-site / offsite). Bidders need to submit cost of development both in terms of offsite and on-site development mode. Bidders need to provide 1-year support after commissioning of the project.</p>	<p>approval, we will start development of the application so we are requesting you to consider the above application has to be developed and delivered within 3 months from the SRS preparation.</p>	<ul style="list-style-type: none"> <li>● Yes, accepted</li> </ul>
13	<p>Page no. 16 Evaluation of the proposal</p>	<ul style="list-style-type: none"> <li>● Who will compare the technical specifications and offered specification?</li> <li>● In the RFP, as per our understanding the distribution of the marks is mostly on descriptive type points not any quantitative aspects. The total 80 marks is based on A) Comparison between the technical specification and offered specification B) Prototype demo or live demo</li> </ul>	<ul style="list-style-type: none"> <li>● Internal management matter</li> <li>● Technical evaluation matrix has been revised for your kind reference</li> </ul>
		<p>C) Working plan or methodology If it would have been based on certification such as A) CMMI Level 3 – ISO 9001-2015 quality certificate B) ISO 9001:27001 Security certificate It would have been better. Or any turnover clause, and experience in Assam etc. should be incorporated.</p>	<ul style="list-style-type: none"> <li>● Internal management matter</li> </ul>
14	<p>General</p>	<ul style="list-style-type: none"> <li>● We are requesting you to extend the tender by at least 6-7 days. After pre bid meeting the time period is very short.</li> <li>● Requesting you to consider the extension of the tender.</li> </ul>	<ul style="list-style-type: none"> <li>● Accepted and changes made, see resolutions list</li> </ul>

*Clarification against Pre-Bid Queries from “Science & Technology Park, University of Pune”*

Sl no.	Tender Document Clause / Text	Query	Remarks
1	In phase 1, 343 nos. of GPs within four prioritized districts of Assam has been selected for development of GIS based resource information system at Gaon Panchayat level using High Resolution Remote Sensing satellite data.	The Current tender with time period of 3 months is for Phase 1 only or for both Phase 1 and 2 or Phase 2 will be considered separately ?  However our understanding is that once the Web GIS Framework is ready then any number of GP 's can be added to it.	Current tender time period of 3 months is strictly for Phase 1 only, however the WEB GIS framework should be developed in a way that Phase 2 data layers can be easily integrated.
2	5. Preparation of Digital Atlas for Administrator, Planners or Resource managers	What is the exact functionality expected in Digital Atlas ?	Digital Atlas meaning, WEB GIS dashboard will allow the users to download their executed queries in the form of printable document (along with basemap)
3	7. GPRIS should allow modification of web feature service (role-based edit, delete, update of data layers)	This functionality is unclear. Which features of which Layers require to be edited /deleted ? Please clarify because in the entire document reference has been given for WMS (non-editable) and suddenly for Point No. 7, reference has been made w.r.t. WFS (which is editable). Kindly clarify on the same.	The functionality is clear. Please note, all the features should be made editable by the administrative user (role-based edit). Normal users should be allowed to flag issues in any of the data layers provided.
4	Scope of Work- GIS Layer List to be included in the Web GIS Platform	It is assumed that all GIS Layers shall be facilitated and provided by ASTEC at the start of the Project as per proposed Spatial Data Structure of NNRMS to the Bidder in WMS format or Shape file format. The bidders role is to only develop Web GIS Application and call WMS services from the respective and authentic source and not get into the authenticity of the data provided.	ASTEC will provide complete dataset and vendors are required to publish the same.
5	Warranty & Operational Support	<b>Warranty</b> - Is bug corrections / smooth running for 12 months free of cost . <b>Operational Support</b> - What about commercials for Operations support, especially if some new functionality or development has to be done. Please clarify.	Warranty – 12months service with respect to runtime issue handling/bug fixing will have to be considered free of cost.  Operational Support – If some new functionality or development has to be done, the cost of the same will be discussed and considered accordingly

6	<p>Bidders attending Technical Bid Opening are required to present a 10minute presentation, <b>Prototype Demonstration</b> or <b>Live Demo</b> of Homepage &amp; WEB GIS framework along-with architecture.</p>	<p>Science and Technology Park, Pune is an organization supported by National Science and Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology, Government of India and under Digital Mission of Government of India we prefer Online Remote Interactions for initial presentations and Live Demos. We request for an online Slot for <b>Prototype Demonstration</b> or <b>Live Demo</b> of Homepage &amp; WEB GIS framework along-with architecture on 29.08.2019. Kindly let us know your stand on this.</p>	<p>As per your request, we would like to extend a session for <b>Online Presentation &amp; Live Demonstration</b> on <b>28/08/2019</b> starting at <b>11:30</b> hours.</p>
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