

GENERAL INSTRUCTIONS

- ✓ No consortium is allowed in this tender.
- ✓ The bidder is not required to carry out any field survey under the project.
- ✓ ORSAC will provide the orthoimage of 2.5 meter and Cartosat DEM to the bidder which need to be used by the vendor for orthorectification of mono/Single Frame image.
- ✓ The time series data should be downloaded 6 times per crop season in a year, means total $6*3= 18$ times. Free satellite images like Sentinel and Landsat 8 should be used. A time composite image is to be prepared to avoid clouds for the optical images. Wherever optical band images are not available, Microwave band free satellite (Sentinel 1&2) images need to be used by the vendor.
- ✓ The initial work up to Go Live is to be completed by the vendor within 90 days from the date of signing of the agreement.
- ✓ The work is to be completed in side ORSAC campus.
- ✓ If satellite image is not available (gap areas) at the time of downloading of free satellite, then ORSAC is to take the final decision.
- ✓ Total time period of the project is 03 years.
- ✓ GST NO of ORSAC- 21AAABO0092N2ZM
- ✓ The software should have OGC certified for WMS, WCS, WFS standard to have seem less data interoperability with OSDI
- ✓ Mobile App- Mobile app should be based on android and iOS only
- ✓ Bidder should produce OEM authorization/proprietary certification.
- ✓ **Point no 2.9** regarding manpower resource: **read as:** Bidder are free to employ manpower quantity for this project inside ORSAC and maintenance for the portal for 3 years. There is no binding quantity on bidder. The CVs of the team members are not required to be submitted by the bidder.

✓ Bidder should develop minimum Four (4) Nos Dashboard. Details as per Project scope (**Refer 2. Methodology & Output**)

1. NDVI Based dashboard analyzing the Cadastral level Crop health (NDVI is to be generated from the radiance image not using DN image)

2. Soil Indices based Dashboard

3. Land Suitability for different crops based dashboard

4. Irrigation Infrastructure Maps

All the input thematic layers and logic will be provided by ORSAC. The vendor is to only carry out the GIS based analysis and develop the dashboards.

✓ **Point No 3.7** Bidder Eligibility Criteria -

SI A1 – Bidder should be ISO 9001:2015 /2008

SI No A6 – Bidder should have minimum an annual average turnover of 10 Crore in last 3 financial years, supporting documents need to be produce.

SI No B 1 – Please read - At least TWO (2) Web GIS / EGIS Application Projects for any Govt. of India/ any State Govt. in India of Value more than Rs.50 lakhs each shall be furnished by the Bidder. Supporting documents need to be produce

SI No B 2 – Please read - At least 3 Image Processing projects of Value more than Rs. 50 Lakh each shall be furnished by the Bidder. Supporting documents need to be produce

Pont No 3.7.1 Revised Evaluation of Technical Bid

Criteria	Description	Maximum
Based on Quality and Completeness of Approach and Methodology	<ul style="list-style-type: none"> Understanding of Objectives-5 Innovativeness/Comments on TOR-5 Work Program and Personnel Schedule-5 <p>The vendor is to give power point presentation explaining these three components</p>	15
Quality / Security Certification	<ul style="list-style-type: none"> ISO 9001:2015 -6 ISO27001:2013-1 CMMI Level 3 Certification —1 One web GIS LIVE project with security Certification-2 	10
Based on Past Projects by the Bidder	<p>Similar project</p> <ul style="list-style-type: none"> TWO (02) Web GIS application development projects with value of Rs. 50 lakh each for state/Central government/public sector organization, etc-6 One Project for Cadastral mapping with value of 50 Lakh for state/Central government ,etc. – 5 Three Projects for Image Processing with value of 50 Lakh each for any Government/Public sector/foreign agencies – 6 (2*3) One Web GIS based application project which involves all activities of data modeling, database creation, GIS & non-GIS data integration, GIS based monitoring with value of 50 Lakh for state/Central government/Public sector. – 6 At least one Web GIS application project involving Land/Site Suitability Analysis with value of Rs. 15 lakhs or more for state/Central government/public sector/foreign agencies – 2 	25
Project Approach & Methodology/Expertise of the firm	<ul style="list-style-type: none"> Detailed Technical Presentation of 15 minutes' duration including live demonstration of two web GIS projects 	25
Based on Company Strength	<p>Average Annual Turnover for the last 3 financial years (FY 2015-16, 2016-17 & 2017 - 18)</p> <ul style="list-style-type: none"> Between Rs 10 Crores to 15 cores – 20 Between 15 to 20 cores- 22 More than Rs 20 cores - 25 	25
	Total	100

5.11 CF-2: REVISED FORMAT FOR COMMERCIAL BID

SI No	Deliverable	3-year subscription Unit Price	GST	Amount
1	Desktop GIS software(COTS) with Spatial, Terrain, and Statistical Analysis features in 3 year Subscription mode			
2	Geospatial Enterprise software (COTS)with cloud hosted implementation, Web application designing and dashboard development facility, integrated with cloud infrastructure with development of Mobile Apps for Geo-Spatial Aided Agricultural Information System equivalent to 8core 2 nos server (4 core for app+4 core for DB) with 128GB RAM and 1 TB of feature (Vector+ Raster) storage for 3 years along with necessary AMC if any			
3	Downloading the free satellite image and generation the base data for entire odisha state from satellite imagery for 3 years and GIS based analysis for soil indices and land suitability analysis			
4	Training for Customized Solution			
		Total Cost for 3 years		

5.12.CF3 . The Bidder is to give as an optional price for per year subscription cost (project) for future project execution in a separate sheet .

✓ **Page No 12 : read as Geospatial App Designer:**

There should be a studio space for users to create focused additional applications or Apps related to various use cases using GUI driven studio options, typically it should be possible for users to analyze geospatial datasets using these focused applications, and these applications once built must be deployable across the network via http over browser based clients.

The Agricultural application should give option to quickly create various status dashboard based on the server published spatial models via services and using the wizard multiple dynamic GIS based dashboard can be created which will be dynamic based on the data from the server. The Web App should be able to connect various external spatial data repository for any agricultural resource data.

Payment Terms

Sl No	Milestone	Payment %
1	Downloading of Data for Image Processing along with Integration of ORSAC Provided layers for 3 year	30 (will be paid quarterly basis for 3 year)
2	Development of Dashboards	10
3	Development of Mobile Application	10
4	Training Completion	10
5	Delivery and Hosting of clouds based application along with storage of all data , along with Desktop GI & Image Processing software on 3 year subscription basis	40% (will be paid quarterly basis for 3 year)

Revised Important Information to Bidders

Sl. No.	Information	Details
1.	RFP No.	RFP No. ORSAC 04 /2018
2.	Release of RFP Vide Website	04.06.2018
3.	Last date for submission of written queries for clarifications	11.06.2018 Email : orsac2012@gmail.com/ orsac.od@nic.in
4.	Date of pre-bid conference	12.06.2018
5.	Release of clarifications of the queries	20.06.2018
6.	Bid validity period	180 days from the actual date of opening of Technical bid
7.	Last date (deadline) for submission of	10.07.2018 12 Noon
8.	Date of opening of Technical Bids	10.07.2018 3 PM
9.	Date of Technical Presentation by the selected Bidders	11.07.2018 11AM
10.	Place, Time and Date of opening of Financial proposals received in response to the RFP notice	12.07.2018 4 PM Conference Hall Odisha Space Applications Centre (ORSAC) Dept. of Science and Technology, Govt. of Odisha,
11.	Contact for queries	CHIEF EXECUTIVE Odisha Space Applications Centre (ORSAC) Dept. of Science and Technology, Govt. of Odisha, Plot no.45/48, Jayadev Vihar, Near GAA, Unit-16, Bhubaneswar-751023, Odisha Fax-+91-674- 2300681 Phone .+91-674-2303625,3293545
12.	Addressee and address at which proposal in response to RFP notice is to be submitted:	Chief Executive Odisha Space Applications Centre (ORSAC) Dept. of Science and Technology, Govt. of Odisha, Plot no.45/48, Jayadev Vihar, Near GAA, Unit-16, Bhubaneswar-751023, Odisha Fax-+91-674- 2300681