

Technology used for Web & Mobile Application

- A. The System is developed using Opensource Products, Tools and Technologies as far as practicable.
- B. All and Every Server Operating Systems: **Unix / Linux 64 Bit** (Ubuntu / CentOS / RHEL)
- C. Server-side General Purpose Coding Language : **C or Java**
- D. Geo-processing and AI / ML Serverside Coding Language: **Python**
- E. GIS Server : Geoserver / ArcGIS Advance Server
- F. DB: **PostgreSQL** (Community Edition)
- G. Frontend Coding Language: Javascript
- H. Mobile Apps : For iOS it is native Swift compiled on Xcode & For Android it is Java or Kotlin . No Hybrid mobile development framework shall be used .
- I. All modules shall be on Modular Design workflow and on a microservice architecture.
- J. All codes on ORSAC's GITLAB
- K. Primary hosting will be on AWS / Google Cloud
- L. DR & Backup and Mirroring will be at SDC / ORSAC
- M. No Microsoft Windows components or dependencies shall be used in any possible form in this Application.
- N. There shall be no use of .Net or PHP in this Application.

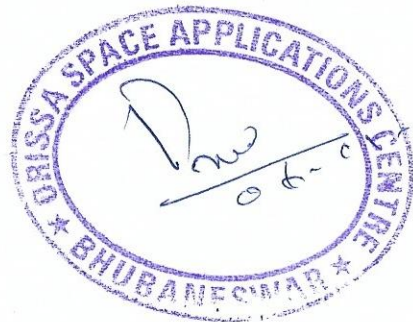


Pre-Bid Compliance of the RFP-18/2021, Dated-27-12-2021

Sl	Organisation	RFP Section no	Page No in RFP	Excerpt of RFP Clause	Query	Clarification
1	CE Info Systems Ltd.	4. Project Objective	6	Analysis of Paddy crop reporting for past years	Please specify the number of years and the amount of data that needs to be analysed.	Refer Workload of the RFP
2	CE Info Systems Ltd.	4. Project Objective	6	Updating and Geo-referencing of Cadastral maps	In which format we will get the cadastral map (hard copy or soft copy), please clarify.	Softcopy
3	CE Info Systems Ltd.	4. Project Objective	6	ortho-rectification, mosaicking and enhancement of optical satellite imagery (3m MX) using appropriate enhancement techniques for paddy crops identification mapping at cadastral scale for months.	We assume that the ORSAC will provide DGPS Ground Control Points for georeferencing of satellite imagery. please clarify.	ORSAC shall provide base images as web map service. All new imageries are to be rectified and masaiiced w.r.t. the base image
4	CE Info Systems Ltd.	4. Project Objective	6	Image analysis for Paddy crop identification (growth and harvesting) using supervised clasification techniques / AI&ML based algorithm	We assume that the ORSAC will provide sufficient paddy crop signature for segmentation of satellite imagery using AI/ML techniques.	SI has to develop the paddy crop signature
5	CE Info Systems Ltd.	4. Project Objective	6	Maintenance of Web application, mobile application and database	We understand that we will only need to provide operational support for web applications and mobile applications. please clarify. Do we get some more details regarding tools & technologies used in existing web application & mobile application such as Operating system/GIS server/Database/coding language/development platform etc.	Operation support of web and Mobile application shall include all types of ground and lab support as may be required during field validation, clarifications, user induced verifications, etc. and are to be carried out as per Scope of Work. Please refere annexure 1 for technical specification of the web and mobile application.
6	CE Info Systems Ltd.	6. scope of work and deliverables	10	6.3 Tagging the DRCS/ARCS offices to the society for field verification of the discrepancy land records 7.2 Mobile application operation support during field validation	We understand that ORSAC will conduct the field survey using the existing mobile application, we only need to provide operational support for the mobile application during the survey.	Field verification shall be conducted by district personnel. Necessary ground support at village/ PAC/ Tahsil/ District are to be provided by the SI.

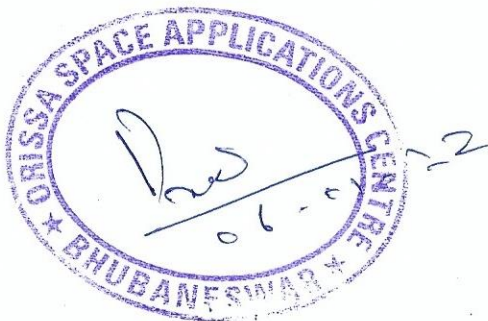


7	CE Info Systems Ltd.	10. Bid opening, Evaluation & Award of work	19	4. The bidder should have a physically verifiable & fully-fledged Registered business office in Odisha. 5. Bidder should have a valid Odisha Registered GST Number (OGSTN).	We request ORSAC to relax this clause with an undertaking for opening office within one months time post award of the Bid.	Considering timeline of the project, an Undertaking shall be acceptable, if a registered business is opened within 7 days of award of work
8	CE Info Systems Ltd.	10. Bid opening, Evaluation & Award of work /Evaluation of Technical Bid	19	10. Bidder should have experience in Live Enterprise Class GIS/MIS based application for Govt. of Odisha. 2. Bidder should have completed Development & Commissioning of Live Enterprise Class GIS/MIS Application for Govt. of Orisha.	We request ORSAC to consider any relative experience across any state or central Govt. projects.	As per RFP
9	Cerebrionics Technology Pvt. Ltd	Section 9.4.2.4	26		Do we have to submit the bid proposal in hard copy through POST or can that be done In Person or we can send soft copy in email along with all other documents?	Email / Soft copy submissions shall not be accepted. Hardcopy bids are to be submitted before due date and time By Post or In person.
10	Cerebrionics Technology Pvt. Ltd	General			While preparing the documents, if we have any further questions(technical), whom do we reach out to and what is the mode of communication for the same?	Refer "Address for Communication" in RFP
11	Cerebrionics Technology Pvt. Ltd	Section 13	40		There are 12 documents that are to be submitted as part of the RFP. Can we get the soft copy for the various documents and their format?	Bidders are required to prepare the formats as prescribed in the RFP
12	Cerebrionics Technology Pvt. Ltd	Section 9.4.2.3	25		There is a power of Attorney letter that has to be submitted.Can we get the format for the same?	A notarised general power of attorney from head of the organisation on behalf of the bid signatory needs to be submitted along with the bid.

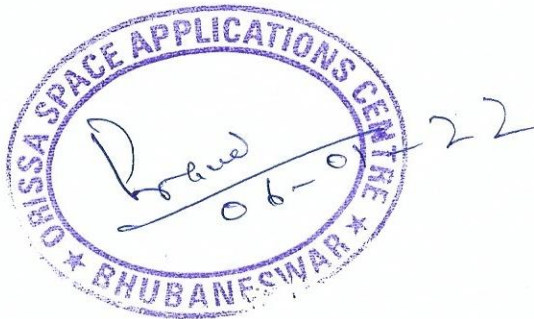


22

13	Cerebrionics Technology Pvt. Ltd	Section 9.4.1	23,24		In the technical proposal section , it is mentioned that we will have to share the detailed architecture Design and project plan of the application development. We have a B2B & B2C cloud based SaaS Platform . We own the IP and we are planning to deploy a dedicated environment for OFDTD on cloud. As the IP belongs to us, we will be able to furnish the architecture and design of the system at a very high level, not at the lowest detailed level as we are not going to build it from scratch.	As per RFP
14	Cerebrionics Technology Pvt. Ltd	Section GF-4 point 2	46		It is mentioned that we cannot disclose or use the know-how, designs, concepts, techniques, inventions and ideas, business plans, computer software and programs, database technologies, systems, structures and architectures for other deployments or customers. Does this imply that we don't own the IP of the product and it is owned by Odisha govt/Orsac? We can't have any other deployments for other customers?	As per RFP



15	CyberSWIFT Infotech Pvt. Ltd.	1	4	Cost of RFP Rs. 2500/- in form of DD from Nationalized Bank in favor of ORSAC, Bhubaneswar.	<p>Our Firm / Company are an organization registered with National Small-Scale Industries Corporation Limited (NSIC) under single point registration scheme, Ref no: NSIC/KOL/GP/RS/REGN/WB/C-419/12.</p> <p>The unit registered under Single Point Registration Scheme of NSIC are eligible to get benefits under Public Procurement Policy for Micro & Small Enterprises (MSEs) order 2012 as notified by the Government of India, Ministry of Micro Small & Medium Enterprises, New Delhi vide Gazette Notification dated 23.03.2012:</p> <ul style="list-style-type: none"> • Issue of the Tender Sets free of Cost • Exemption from payment of Earnest Money Deposit <p>Could be please be kind enough to consider the above clause for this tender. Due to pandemic caused by corona virus Govt. of India providing additional befit to MSMEs or Micro, Small and Medium Enterprises to help them tide over this crisis situation.</p>	As per RFP
16	CyberSWIFT Infotech Pvt. Ltd.	1	4	Date of Technical Presentation 21.01.2022 3:00 PM onwards	Due to pandemic situation, we would request you please arrange this presentation through online (e.g. Microsoft Teams, Google Meet, Zoom).	Both on-line, in person presentations are acceptable.



17	CyberSWIFT Infotech Pvt. Ltd.	10	19	The bidders should have a Physically Verifiable & Full-fledged Registered Business Office in Odisha	Please modify this clause with "The bidders should have a Physically Verifiable & Full-fledged Registered Business Office in Odisha Or Undertaking". Even in RFP Notice No.19/2021 Dated 30.12.2021, you are accepting Undertaking. So we are requesting please allow undertaking for this tender also.	Considering timeline of the project, an Undertaking shall be acceptable, if a registered business is opened within 7 days of award of work
18	CyberSWIFT Infotech Pvt. Ltd.	10	20	Bidder Should have a valid Odisha Registered GST Number (OGSTN)	Please modify this clause with "Bidder Should have a valid Odisha Registered GST Number (OGSTN) Or Undertaking". Even in RFP Notice No.19/2021 Dated 30.12.2021, you are accepting Undertaking. So we are requesting please allow undertaking for this tender also.	Considering timeline of the project, an Undertaking for obtaining Odisha Registered GST registration no within 7 days of award of work.
19	CyberSWIFT Infotech Pvt. Ltd.	10	20	The bidder should have experience in Live Enterprise Class GIS/MIS based application for Govt. of Odisha	Please modify the clause with "The bidder should have experience in Live Enterprise Class GIS/MIS based application for any state of Central Govt. department". "The Bidder should have completed Development & commissioning of Live Enterprise Class GIS/MIS Application for any state of Central Govt. department"	As per RFP
20	CyberSWIFT Infotech Pvt. Ltd.	10	21	The Bidder should have completed Development & commissioning of Live Enterprise Class GIS/MIS Application for Govt. of Odisha	Please modify the clause with "The bidder should have experience in Live Enterprise Class GIS/MIS based application for any state of Central Govt. department". "The Bidder should have completed Development & commissioning of Live Enterprise Class GIS/MIS Application for any state of Central Govt. department"	As per RFP



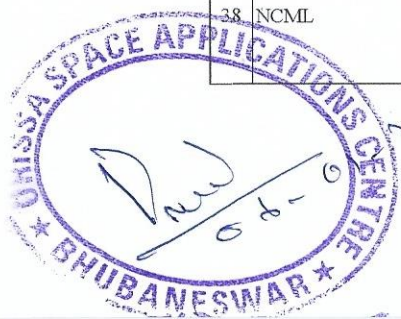
21	Genesys International Corporation Limited	10 Bid opening, Evaluation and award of works: Eligibility Criteria S. No. 4	19-20	The bidders Should have a Physically Verifiable & Full-fledged Registered Business Office In Odisha.	Please change/consider this clause as "The bidder Should have a Physically Verifiable & Full-fledged Business Office In Odisha".	Considering timeline of the project, an Undertaking shall be acceptable, if a registered business is opened within 7 days of award of work
22	Genesys International Corporation Limited	10 Bid opening, Evaluation and award of works: Eligibility Criteria S. No. 9	20	Bidders should have experience in Cadastral level mapping for Govt. of India or any Indian State Govt. Organisation	Please change/consider this clause as "Bidders should have experience in Cadastral level mapping/vectorization for Govt. of India or any Indian State Govt. Organisation.	As per RFP
23	Genesys International Corporation Limited	10 Bid opening, Evaluation and award of works: Evaluation of Technical Bid-Technical score criteria S. No. 3.	21	The bidders should have CMMi Level Certification	Please consider this clause as "The bidders should have valid Quality Certifications	As per RFP
24	Genesys International Corporation Limited	10 Bid opening, Evaluation and award of works: Evaluation of Technical Bid-Technical score criteria S. No. 4.	22	The bidders should have experience in Remote Sensing (R.S), Digital Image Processing (DIP) using Optical & Microwave (SAR) Data and GIS Mapping in Cadastral Map for Govt. of India or any Indian state Govt. Organization	Please change/consider this clause as "The bidders should have experience in Remote Sensing (R.S), Digital Image Processing (DIP) and GIS Mapping from HRSI for Govt. of India or any Indian state Govt. Organization	As per RFP
25	Genesys International Corporation Limited	1. Schedule of Events, S. No. 9	4	Last date of receipt of bids 20/01/2022, 05:30PM	Please extend Last date of receipt of bids up to 03/02/2022, 05:30PM	As per RFP
26	Genesys International Corporation Limited	6. Scope of work & Deliverables	8	1.1 and 1.2	What will be the database format that Genesys will receive? (shp file/ xls/ map etc.).	Digitised cadastral maps in SHP file format and RoR data in XLS file format shall be provided.
27	Genesys International Corporation Limited	6. Scope of work & Deliverables	8	2.1 and 2.2	Cadastral Map input and data linking, Will there be any common attribute basis on which we can link the data.	Yes there shall be common fields



28	Genesys International Corporation Limited	-	-	General	What would be the map count for Cadastral Map? Will the Input received will be in Hardcopy or Soft Copy? If hard copy, then who will be doing scanning. Are there any protocols about scanning that it has to be done in client's premises or we will get scanned copies? Please elaborate.	Village SHP files shall be provided. On an average, a district in Odisha has about 1500-1600 villages.
29	Genesys International Corporation Limited	6. Scope of work & Deliverables	8	1.1	Cadastral map will be georeferenced with Orthorectified high resolution satellite image. We understand that Orthorectified image and cadastral maps will be provided by client, we will do georeferencing process.	Ortho-rectified base images shall be provided. SI has to carry out high precision digital cadastrals rectification w.r.t. to the orthorectified images with necessary vector editing.
30	Genesys International Corporation Limited	-	-	General	We assume that we will be modifying existing GIS web application and mobile application if yes, then please 1. Share the architecture of existing GIS Web application and Mobile Application. i.e. languages and platforms used to developed the application. 2. Brief on the existing functionality or user manual of the both. 3. We assume that full source code will be shared with the successful bidder for further modifying the application	Please refer Annexure 1 for Technical Specification of the Web and Mobile application. ORSAC shall explain the system to SI, while undertaking the assignment.
31	Genesys International Corporation Limited	4. Project Objective	7	Two (2) way Integration of the proposed CMS based Crop classification & Revenue generation System with P-PAS to share the following info.	We will expose the APIs of developed GIS web application.	Yes
32	Genesys International Corporation Limited	4. Project Objective	7	Image analysis for Paddy crop identification (growth and harvesting) using supervised classification techniques/ AI & ML-based algorithm.	1. We assume that client have APIs of PPAS system for read and write data?	Yes, ORSAC shall provide



33	Genesys International Corporation Limited	4. Project Objective	7	Maintenance of Web application, mobile application, and database.	2. We assume that we will not be modifying PPAS system in anyway.	Modification of P-PAS system is not part of the scope
34	Geo Consultants Pvt. Ltd.	10. Bid Opening, Evaluation & Award of the Works: Eligibility Criteria	19	The Bidder have ...last three financial years (FY 2020-21, 2019-20 & 2018-19)... should reflect turnover.	We may request you to kindly consider the Annual Average Turnover of the FYs 2017-18, 2018-19 & 2019-20, as it is not possible to submit the audited Balance Sheet, Profit & Loss account , if necessary we would request to enable us to submit an undertaking as a proof for FY 2020-21 Balance Sheet, Profit & Loss account.	Accepted. Annual Average Turnover of the FYs 2017-18, 2018-19 & 2019-20 shall be considered
35	Geo Consultants Pvt. Ltd.	10. Bid Opening, Evaluation & Award of the Works: Eligibility Criteria	20	Bidders should have valid IT return... last 3 financial years (2020-21, 2019-20 & 218-19)	We may request you to kindly consider the IT return of the FYs 2017-18, 2018-19 & 2019-20 , as we have not received the IT return for the FY 2020-21.	Accepted. IT return of the FYs 2017-18, 2018-19 & 2019-20 shall be considered
36	Geo Consultants Pvt. Ltd.	6. Scope of work & Deliverable	10	Data updation, modification and fine tuning of the existing Web-GIS Portal	We may request you to clarify the technical stack for the existing Web GIS application	Refer Annexure 1
37	NCML	4. Project Objective			In the project objective, the first objective is to the analysis of paddy crop reporting for the past years, our question is how many previous years' analyses require.	It is required to analyse past 3 years data. Accordingly, the scope of work at Clause 6, Para 1.2 (page 8 of the RFP) may be read as "Village/ plot level mapping of last 3 years paddy crop reoprted area (of the same crop season, i.e., Rabi or Khariff as applicable) using geo-referenced cadastral maps and latest RoR Information (baseline information)
38	NCML	Eligibility Criteria point no 2			ISO certification required but in the technical scoring criteria point no 3, CMMi certification marks are given request you please include ISO also for marking criteria.	As per RFP



39	NCML	technical scoring criteria point no 4			SAR data 10 meters also mentioned, as per our understanding SAR data is useful for village level mapping our request is to please consider village level mapping experience also for this bid	Microwave (SAR) data experience shall not be required. Rest of the criterals remain unchanged.
40	NCML	Eligibility Criteria point no 4			Registered offices of the company are required in Odisha we are looking for relaxation till branch office as we have a branch office in Odisha.	As per RFP
41	NCML	technical scoring, criteria point no 5			IT & GIS expert total 50 (30+20) members required in Odisha, we are looking for relaxation in this number.	As per RFP
42	Neogeoinfo Technologies Pvt. Ltd	Page no - 4 (Bid submission)		Request for extension of Bids submission. Keeping in view of the current Covid situation in several states including some major cities like Delhi , Mumbai & Kolkata and strict restriction of operating our offices due to partial lockdown & hike of Covid cases.	We would like to request you to please allow for at least 7 working days of extension.	As per RFP
43	Neogeoinfo Technologies Pvt. Ltd	Page no -19 (Under eligibility criteria)		Bidders should have physically Verifiable & full-fledged offices in Odisha.	Currently NeoGeoInfo has offices at Kolkata , Hyderabad , Gurugram. and Nasik. We would like to request you to please allow the bidders who have offices at the nearest city like Hyderabad / Kolkata. Also we would like to know whether we can open our operational office in Odisha post awarding of the contract. Or under the Consortium bidding this clause can be taken care of by any party . Please confirm for acceptance.	Considering timeline of the project, an Undertaking shall be acceptable, if a registered busineees is opened within 7 days of award of work



44	Neogeoinfo Technologies Pvt. Ltd	Page no -20 Under eligibility criteria		Bidder should have a valid Odisha registered GST No (OGSTN)	Would like to request that you please allow the bidders who have GSTN registration in another state or this should be changed to an applicant should produce local registration of GST certificate after the award of contract within 90 days. Also confirm, under the Consortium bidding this clause can be taken care of by any of the parties.	Considering timeline of the project, an Undertaking for obtaining Odisha Registered GST registration no within 7 days of award of work.
45	Neogeoinfo Technologies Pvt. Ltd	Page no -20 Under eligibility criteria		Bidder should have experience in Live Enterprise Class GIS/MIS based Application for Govt of Odisha	We, NeoGeoInfo, have experience doing similar projects in India but we don't have experience in the state of Odisha. We would like to request you please allow the other state experience for this clause like you have asked for Cadastral level mapping experience. Please change it as "Bidder	As per RFP
46	Neogeoinfo Technologies Pvt. Ltd	Page no -20 Under eligibility criteria		Consortium bidding is allowed	Please clarify where eligibility criteria can be qualified by any of the consortium bidders.	Yes.
47	Neogeoinfo Technologies Pvt. Ltd	Page No 21 Under technical score criteria		Bidder should have experience in Live Enterprise Class GIS/MIS based Application for Govt of Odisha	We, NeoGeoInfo, have experience doing similar projects in India but we don't have experience in the state of Odisha. We would like to request you please allow the other state experience for this clause like you have asked for Cadastral level mapping experience. Please change it as "Bidder should have experience in Live Enterprise Class GIS/MIS based Application for Govt of India.	As per RFP

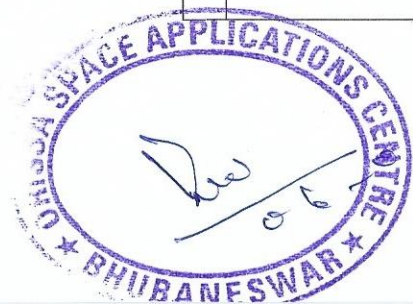


-22

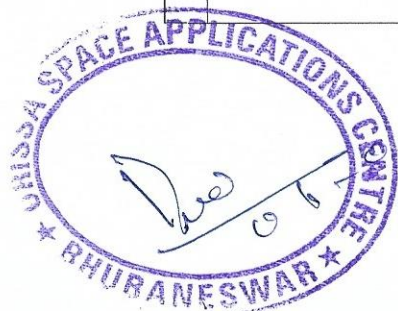
48	Skymet Weather Services Private Limited	4. Project Objective	6	Updating and Geo- referencing of Cadastral maps based on latest ROR data and linking of three years legacy crop reporting data received from Food Supply & Consumer Welfare Dept. / P-PAS system Mapping of village wise/ plot wise paddy crop reporting in cadastral maps using GIS based statistical analysis.	Specify the format in which the organization is going to provide the cadastral and sub-plot data. (Raster or vector, both) 2. The provided cadastral is georeferenced or not ? 3. Format in which Record of Rights Information will be given. (Excel or other). 4. Number of columns in RoR information?	Digitised cadastral maps in SHP file format and RoR data in XLS file format shall be provided. SI to carry out precision geo-referencing at 1:4000 scale. Columns of RoR information vary from village to village (depending on remarks, etc.)
49	Skymet Weather Services Private Limited	4. Project Objective	6	Mapping of village level crop/ non-crop land using HRSI (~ 1 m) of recent past.	Specify the format in which the organization is going to provide images in order to prepare crop / Non -crop land use (WMTS or Tiff, others). Also specify the format of output images (PDF, Raster, or Vector).	
50	Skymet Weather Services Private Limited	4. Project Objective	6	Analysis of Paddy crop reporting for past years	Is GT for paddy crop identification will be provided (Yes or No) ?	Question is not clear
51	Skymet Weather Services Private Limited	4. Project Objective	7	Image analysis for Paddy crop identification (growth and harvesting) using supervised classification techniques/ AI & ML based algorithm.	Month-wise images of each season for Paddy crop identification (growth and harvesting) will be provided? (Yes or No)	Yes
52	Skymet Weather Services Private Limited	3.2	9	Submission of District/Block wise crop classified image	Is ORSAC will provide vector data for the village, tehsil (block), and district boundaries (Yes or No)?	ORSAC shall provide village wise vector data. SI to mosaic and generate Tahsil and District boundaries
53	Skymet Weather Services Private Limited	Eligibility Criteria	19-20	Bidders should have a valid Odisha Registered GST Number (OGSTN).	GST can be obtained after Shortlisting / Selection. Please clarify.	Considering timeline of the project, an Undertaking for obtaining Odisha Registered GST registration no within 7 days of award of work.
54	Skymet Weather Services Private Limited	Eligibility Criteria	20	Bidders should have valid IT Return for last 3 financial years (2020-21, 2019-20 & 2018-19)	As last date of Tax Filing for FY 2020-21 is 15 February 2022 in case of Businesses requiring Audit hence there should be relaxation for this clause viz. last 3 financial years (2020-21, 2019-20 & 2018-19 or 2019-20, 2018-19 & 2017-18)	IT Return of the FYs 2017-18, 2018-19 & 2019-20 shall be considered



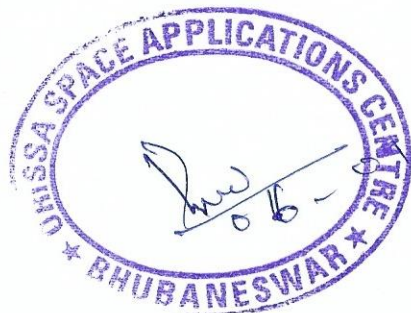
55	Skymet Weather Services Private Limited	Eligibility Criteria	20	The bidders should have completed Development & Commissioning of Live Enterprise Class GIS / MIS Application for Govt. of Odisha.	We suggest that it should not be only for Odisha. Here, please add any State of India.	As per RFP
56	Skymet Weather Services Private Limited	Eligibility Criteria	20	The bidders Should have a Physically Verifiable & Full-fledged Registered Business Office in Odisha.	If Bidder is not having presently any registered office in Odisha then after selection office will be established as per requirement. Please clarify.	Considering timeline of the project, an Undertaking shall be acceptable, if a registered business is opened within 7 days of award of work
57	Tatwa Technologies	6. Scope of Work and Deliverables, 1. Village/Plot level analysis of last 3 years	9	1.2 Village level delineation of Crop/Non-crop land using high resolution satellite imagery (~1m) 1.3 Submission of village wise crop/non-crop classification.....	Will ORSAC procure and provide the high resolution satellite imagery (~1m resolution) to the contractor? Or the contractor has to procure the imageries directly? Please clarify.	ORSAC shall provide
58	Tatwa Technologies	6. Scope of Work and Deliverables, 1. Village/Plot level analysis of last 3 years	9	1.2 Village level delineation of Crop/Non-crop land using high resolution satellite imagery (~1m) 1.3 Submission of village wise crop/non-crop classification.....	It is mentioned, high resolution satellite imagery of the last 3 Year (December/January) will be used for analysis, then clarity of imagery will be less because of fog during that time. Please clarify if there are other parameters/sources will be available to overcome this.	ORSAC shall provide images with minimal/ nil cloud cover.
59	Tatwa Technologies	6. Scope of Work and Deliverables, 5. 2-way Integration with P-PAS System	10	2-way Integration with P-PAS System	We understand, P-PAS System is an existing system from where we can fetch data using APIs. Please confirm if ORSAC will provide the API/web service to access?	ORSAC shall provide the APIs
60	Tatwa Technologies	6. Scope of Work and Deliverables, 5. 2-way Integration with P-PAS System, 5.2 Data Flow	10	a. Sharing information of the farming land declared by the farmer during the registration by P-PAS system	We understand farmer registrations have been done in P-PAS system and related /declared land information of farmers are saved in P-Pas system?	Yes, Farmer information is available in P-Pas System
61	Tatwa Technologies	6. Scope of Work and Deliverables, 5. 2-way Integration with P-PAS System, 5.3		b. Apart from the GIS based verified land info, the web GIS system is required to share the discrepancy data list. The web GIS info of the land should help the P-PAS system for further processing and reporting	Is there any API to pass the land info to the P-PAS system from proposed system? Will ORSAC will share this? Kindly confirm.	ORSAC shall provide



62	Tatwa Technologies	6. Scope of Work and Deliverables, 5. 2-way Integration with P-PAS System,	10	2-way Integration with P-PAS System	We understand P-PAS System is an existing system from where we can fetch data using APIs. Please confirm if ORSAC will provide the API/web service to access?	ORSAC shall provide
63	Tatwa Technologies	6. Scope of Work and Deliverables, 5. 2-way Integration with P-PAS System, 5.4	10	System Integration with P-PAS for paddy crop authentication during farmer registration	Is the farmer need to register in the proposed system too? How to authentication a farmer during the registration, Is there any API for that? Please clarify.	Farmer data shall be fetched from P-PAS System through APIs
64	Tatwa Technologies	6. Scope of Work and Deliverables, 6. Development & Commissioning of Web-GIS Portal. 6.1	10	Creation of Web-GIS Portal for visualization, analysis, querying and report	Are you referring any spatial analysis here? Please confirm.	Yes
65	Tatwa Technologies	6. Scope of Work and Deliverables, 6. Development & Commissioning of Web-GIS Portal, 6.3	11	b. Availability of GIS map features	We understand standard navigation tools are required and no editing (tool)required on map. Please confirm.	Only the Final data, after all editing and quality check, shall be hosted in the Web and Monbile application. No editing features are required in Web/ Mobile,.
66	Tatwa Technologies	6. Scope of Work and Deliverables, 6. Development & Commissioning of Web-GIS Portal. 6.3	11	f. Agricultural land bank Information Module	What will be the Agricultural land bank Information Module? Could you please elaborate it.	Not applicable
67	Tatwa Technologies	6. Scope of Work and Deliverables, 6. Development & Commissioning of Web-GIS Portal. 6.5	11	Based on the GIS validated area, system should approve the farmer registration	How to validate GIS area during farmer registration? Are you referring the area recorded in the database for a land owner? Please suggest	It is against the reported crop area
68	Tatwa Technologies	6. Scope of Work and Deliverables, 6. Development & Commissioning of Web-GIS Portal. 6.7	11	Cloud Hosting & Commissioning of Web GIS Application	We understand, we need to consider the cloud hosting cost? if yes, please confirm for how long (time period), we need to consider the cost?	Final hosting environment shall be provided by ORSAC. SI to consider staging environment only.
69	Tatwa Technologies	6- Scope of Work and Deliverables, 7. Development & Commissioning of Mobile App for field verification, 7.2	11	Development & Commissioning of Mobile App for field verification	Is there any maintenance and support services to be provided for web and mobile applications? Please suggest. If yes, for how long (time period)?	AMC shall be for a period of 1 year from publication of validation results



70	Tatwa Technologies	6- Scope of Work and Deliverables, 7. Development & Commissioning of Mobile App for field verification. 7.2	11	Development & Commissioning of Mobile App for field verification	We assume that web based application and mobile application needs to be built in English language only. Please confirm.	Application is bi-lingual (both in Odia and English)
71	Tatwa Technologies	6- Scope of Work and Deliverables, 7. Development & Commissioning of Mobile App for field verification. 7.6	12	Provision for action taking authority to either approve or reject the discrepancy record.	We assume that approval mechanism will be done from web application only. Once approved, Notification will be shown on the Mobile application. Please confirm.	Yes
72	Tatwa Technologies	6- Scope of Work and Deliverables, 7. Development & Commissioning of Mobile App for field verification. 7.6	12	7.6 – If approved, the record must be available for Token Generation.	What is the relevance and use of Token Generation? Please elaborate.	Toknes are issued for paddy procurement from farmers
73	Tatwa Technologies	6- Scope of Work and Deliverables, 7. Development & Commissioning of Mobile App for field verification. 7.7	12	Hosting and Commissioning of mobile application in android and iOS platform	We assume that Hosting cost of Mobile application on App Store and Play Store will be borne by the client. Please confirm.	It shall be hosted in ORSAC account
74	Tatwa Technologies	6- Scope of Work and Deliverables, 8. Business Intelligence & Dashboard, 8.26	14	BI Reports should be accessible through Mobile application in both Android and iOS platform.	We assume that BI reports will be generated from a web application and will be visible on a mobile device for visualization and download only. Please confirm.	Yes. BI tools to be provided by the SI.



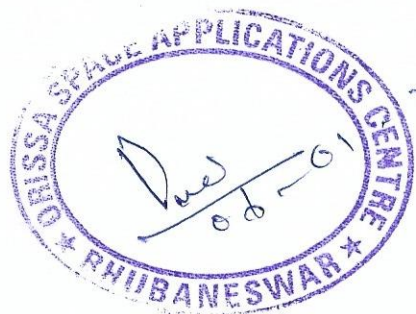
-22

75	Tatwa Technologies	6- Scope of Work and Deliverables, 8. Business Intelligence & Dashboard, 8.28	14	Business Intelligence (BI) & Dashboard (Technology to be used)	<p>i. Looking at the functionalities required for BI tools including GIS integration it might be not feasible/practical to use an open source product for BI & Analytics hence in this case will the organization be willing to procure a licensed/paid BI tool like Power BI or something similar.</p> <p>ii. Can we suggest licensed tools for BI & Analytics which can provide all the functionalities as mentioned in the RFP?</p> <p>iii. If yes, can you please provide the total number of viewers & publishers of the BI tools & Analytics.</p>	Yes, Licensed tools to be used. Maximum users can be considered as 100 for viewers and 30 for publishers
76	Tatwa Technologies	6- Scope of Work and Deliverables, 8. Business Intelligence & Dashboard, 8.28	14	Business Intelligence (BI) & Dashboard (Technology to be used)	<p>i. Does the organization already have license for ArcGIS Enterprise/ArcGIS Server?</p> <p>ii. If yes, please provide details including version, no of licenses, type of license & extensions available.</p> <p>iii. If no, then is organization planning/willing to procure ArcGIS Enterprise/Server licenses? In this case, who will bear the cost for license procurement?</p>	Hosting shall be using Geo-Server
77	Tatwa Technologies	NA	NA	Development & Commissioning of Mobile App for field verification	What will be the no of concurrent users for web and mobile applications? Please suggest.	Concurrent users for Web and mobile may be considered as 100 and 1000 respectively.
78	Tatwa Technologies	9. Instructions to Bidders, 9.4. Document Comprising the Bidder's Proposal, Commercial Proposal	21	Bid Security/EMD: As per the circular by the Finance department issues vide No... Bidder shall submit "Bid Security Declaration" in original as per GF-8	We assume the bid security declaration is not limited to MSME companies. All bidders are eligible to submit the bid security declaration. Please confirm.	Yes, All bidders are eligible to submit the bid security declaration



22

79	Tatwa Technologies	9. Instructions to Bidders, 9.4. Document Comprising the Bidder's Proposal, Commercial Proposal	21	Bid Submission: Organizations conversant with the subject and having necessary infrastructure and resources including local mobilization may submit their proposals.....	We assume the bidder should submit the technical and commercial proposal documents in digital and hard copy to the ORSAC. Could you please provide more clarity on the bid submission (technical and commercial proposal) method and mode?	Tehno-commercial bid shall be submitted in ORSAC as hardcopy
80	Tatwa Technologies	10. Bid Opening, Evaluation & Award of the Works, Eligibility Criteria, Point. 9	24	Bidders should have experience in Cadastral Level Mapping for Govt. of India or ant Indian State Govt. Organization.	In the "Cadastral Level Mapping experience" eligibility criteria, would ORSAC consider the international experience of private and public projects? Please confirm.	as per RFP
81	Tatwa Technologies	10. Bid Opening, Evaluation & Award of the Works, Eligibility Criteria, Point. 10	24	Bidders should have experience in Live Enterprise Class GIS/MIS based Application for Govt. of Odisha.	We request ORSAC to amend the clause as experience in Live Enterprise Class GIS/MIS based Application for Govt. of India.	as per RFP
82	Tatwa Technologies	10. Bid Opening, Evaluation & Award of the Works, Eligibility Criteria, Point. 12	24	Consortium Bid is allowed, limited to two parties (including prime bidder). There shall be a main bidder, called as Prime Bidder, wholegal documents on behalf of the Consortium Bidder with ORSAC.	Please could you clarify that whether a consortium bid is allowed as a JV/partnership only or Sub-contracting also?	Consortium is allowed as a JV/ partnership onlu
83	Tatwa Technologies	10. Bid Opening, Evaluation of Technical Bid, Eligibility Criteria, Point. 5	26	The bidder should employing minimum 30 numbers of IT & Geoinformatics professionals on regular payroll, valid ESI numbers/Group Insurance Certificate. For IT Professional: For GIS and Remote Sensing Professional:	We have strong presence in India and having more than 4000 resources on regular payroll. We request ORSAC to amend this clause as IT, GIS and Remote Sensing Professionals on regular payroll are employed in India rather than only specific to Odisha.	as per RFP



84	Tatwa Technologies	10. Bid Opening, Evaluation of Technical Bid, Eligibility Criteria, Point. 6 ----- 1. Schedule of Events, Point 11, Page no. 4	26	Technical Presentation..... Date of Technical Presentation	We understand, 25 marks have been allocated for the "Technical Presentation" in the Technical Evaluation Criteria. Is any score for a technical proposal document in this evaluation criteria? Please clarify this. In addition, we request you to please extend the date of technical presentation by a week.	The Technical Presentation shall be in sync with the Technical Proposal. Considering the stringent delivery timeline, Date extension is not feasible.
85	Tatwa Technologies	10. Bid Opening, Evaluation of Price Bid, Eligibility Criteria, Scrutiny and evaluation of the price bids shall be.....	27	If a technically qualified bid is quoted with a price below 10% of the estimated cost.....an additional Performance Bank Guarantee (PBG) of the Shortfall amount..... Issued from a Bhubaneswar Branch of a Nationalized bank.....	In that case, we request you to kindly consider an additional PBG which will issue by any Indian Branch of a nationalized bank.	as per RFP



- 22

86	Tatwa Technologies	11. General Terms and Conditions, 11.5 Force Majeure,	35	Neither party shall be liable to the other for any loss and damage occasioned by arising out of acts of God such as unprecedented flood, volcanic eruption..... .. could not be foreseen or avoided by a prudent person.	In the "Force Majeure" clause, kindly include Pandemics and Epidemics, considering the current situation as the foreseeable events.	as per RFP
87	Tatwa Technologies	12. Payment Terms and Conditions, 12.6 Payment Timeline	36	Payments shall be made by ORSAC, not later than Forty-Five (45) days after submission of an invoice.....	We humbly request ORSAC amend the clause as- to make payment within 30 days after receipt of an invoice from the Contractor.	as per RFP
88	Tatwa Technologies	13. Proforma/Bid Submission Format, TF-1: Technical Bid Letter	56	We have carefully read and understood the terms and conditions of RFP..... Bid Security (Earnest Money) for an amount to Rs. _____ (Rs. _____ Lakhs Only) is enclosed in the cover containing Part-I of the bid.	We understand that bid security declaration, (original GF-8 format) will be submitted by MSME companies but no EMD submitted along with the proposal. Please confirm.	Yes. Bid security declaration is to be submitted. EMD clause to be removed from the TF-1
89	Excel Geomatics Pvt. Ltd.	10. Bid Opening, Evaluation & Award of the Works: Eligibility Criteria	19	The bidders Should have a Physically Verifiable & Full-fledged Registered Business Office in Odisha.	The bidders Should have a Physically verifiable and full-fledged registered business office in Odisha or in India	Considering timeline of the project, an Undertaking shall be acceptable, if a registered business is opened within 7 days of award of work
90	Excel Geomatics Pvt. Ltd.	10. Bid Opening, Evaluation & Award of the Works: Eligibility Criteria	19	Bidders should have a valid Odisha Registered GST Number (OGSTN).	Bidders should have a valid Registered GST Number (GSTN) in Odisha or anywhere in India	Considering timeline of the project, an Undertaking for obtaining Odisha Registered GST registration no within 7 days of award of work.
91	Excel Geomatics Pvt. Ltd.	10. Bid Opening, Evaluation & Award of the Works: Eligibility Criteria	19	Bidders should have experience in Cadastral level Mapping for Govt. of India or any Indian state Govt. Organization	Bidders should have experience in Cadastral level Mapping for Govt. of India or an Indian state Govt. Organization or any other govt. agency	As per RFP
92	Excel Geomatics Pvt. Ltd.	10. Bid Opening, Evaluation & Award of the Works: Eligibility Criteria	19	Bidders should have experience in Live Enterprise Class GIS/ MIS based Application for Govt. of Odisha	Bidders should have experience in Live Enterprise Class GIS/ MIS based Application for Govt. of Odisha or any other govt. Agency or prominent private companies	As per RFP



-22

CHIEF EXECUTIVE
06-01-22