

# REQUEST FOR PROPOSAL (RFP)

FOR

## Selection of Agency to Undertake the Development of Geo-ICT based Mapping and Monitoring of Minor Minerals in Odisha

*RFP No: 20/2025, Dt.22.08.2025*



**ODISHA SPACE APPLICATIONS CENTRE (ORSAC)**

*(Dept. of Science and Technology, Govt. of Odisha)*

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22.08.2025



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## 1. Schedule of Events

Sl.	Information	Dates & Details
1.	Date of Issue of RFP	22.08.2025
2.	RFP Issuing Authority and Contact officer of Tender	Chief Executive, ORSAC, Bhubaneswar, Odisha.
3.	Last Date of Receipt of Pre-Bid Queries.	29.08.2025 : 05:00 P.M.
4.	Date of Pre-Bid Meeting	03.09.2025, 11:00 A.M.
5.	Issue of Consolidated and Relevant Clarifications on the received Pre-Bid Queries.	08.09.2025, 05:00 P.M. will be uploaded in ORSAC Website
6.	Last date of receipt of Bids	20.09.2025, 05:00 P.M.
7.	Opening of General & Technical Bids	22.09.2025, 11:00 A.M.
8.	Date of Technical Presentation	23.09.2025, 11:00 A.M. onwards
9.	Opening of Financial Bids & Declaration of Bidding Results.	To be Intimated later (will be uploaded in ORSAC Website ORSAC Website)
10.	Address for Submission of Bid	ODISHA SPACE APPLICATIONS CENTRE ORSAC, Plot No 45/48(P), Jaydev Vihar, Bhubaneswar, Odisha – 751023.





## 2. Disclaimer

All information contained in this RFP Document is in faith. This is not an agreement and is not an offer or invitation to enter into an agreement of any kind with any party.

Though adequate care has been taken in the preparation of this RFP Document, the interested bidders shall satisfy themselves that the document is complete in all respects. The information is not intended to be exhaustive. Interested bidders are required to make their own enquiries and assumptions wherever required.

Odisha Space Applications Centre (ORSAC) reserves the right to reject any or all the proposals submitted in response to this RFP Document at any stage without assigning any reasons whatsoever. ORSAC also reserves the right to withhold or withdraw the process at any stage with intimation to all who submitted the RFP Document response. ORSAC reserves the right to change/ modify/amend any or all of the provisions of this RFP Document. Such changes would be posted only in its website ([www.orsac.gov.in](http://www.orsac.gov.in)). Prospective bidders (bidders) are requested to visit the website frequently to keep them abreast with the latest developments on this RFP.

Neither ORSAC nor its employees and associates will have any liability to any prospective respondent interested to apply or any other person under the law of contract, the principles of restitution or unjust enrichment or otherwise for any loss, expense or damage which may arise from or be incurred or suffered in connection with anything contained in this RFP Document, any matter deemed to form part of this RFP Document, the award of the Assignment, the information and any other information supplied by or on behalf of ORSAC or their employees and bidder or otherwise arising in any way from the selection process for the Assignment.

Information provided in this document or imparted to any respondent as part of the RFP Document process is confidential to ORSAC and shall not be used by the respondent for any other purpose, distributed to, or shared with any other person or organization.



### 3. Background Information

The minor mineral resources such as stone (Blackstone and laterite) and sand are crucial for infrastructure development. A lot of infrastructure developments such as buildings, National highways, Roads, Railway, Sea Ports, Industry is under progress and upcoming in the state of Odisha. The demand for building material is in the rise. For maintaining ecological balance and supporting infrastructure development. Odisha, being rich in these resources, has witnessed increased mining activities over the years. However, challenges such as unauthorized mining, large volume extraction, lack of real-time monitoring, and inadequate inventory management have posed significant environmental and administrative concerns.

To address these challenges and promote transparency and accountability in minor mineral extraction, the Directorate of Minor Minerals, Government of Odisha, has initiated the Geo-ICT Based Mapping & Monitoring of Minerals in Odisha with the help of Odisha Space Applications Centre. The system aims to harness the power of advanced geospatial technologies, analysis of high-resolution satellite imagery and use of artificial intelligence (Geo AI) to monitor, map, and regulate minor mineral mining activities across the state.

### 4. Project Objective

The Directorate of Minor Minerals and ORSAC proposes to develop an integrated GIS-based system for effective mapping and monitoring of minor minerals and sand mining areas in Odisha. Key objectives include:

- i. Mapping and Monitoring of minor mineral mining and quarry areas using Geo AI and ML analysis on high-resolution satellite imagery for the study area.
- ii. Flagging of authorized/unauthorized mining and quarry areas along with lease violation.
- iii. Developing a mobile app for field verification by officials.
- iv. Comprehensive geospatial database of all identified mining sources will be part of the application.
- v. Deploying a Web GIS platform for visualization, analysis, and decision-making.

### 5. Workload

The Odisha GIS Based Minor Mineral Monitoring System is to be designed for mapping and monitoring of all minor mineral sources across the state. As per the existing lease area details present with the Directorate of Minor Minerals, the present workload for the application for authorized mining/ quarry areas are as mentioned below:

- A. No of Districts:
- B. No of Tehsils:
- C. Total number of existing leased quarries:
- D. Total area mapped under existing leased quarry areas:



Considering the nearby proximity of the existing/identified leased out area the approximate workload for Mineral Bearing Cluster is **around 35,000 Sq Km** of area across the state.

## 6. Scope of Work

The scope of work for Geo-ICT Based Mapping & Monitoring of Minerals in Odisha can be broadly summarized as follows:

- a) Geo AI based mapping and monitoring of Minor Minerals using HRSI.
- b) Flagging of authorized and unauthorized operation areas using existing lease details (valid and expired leases) as provided by the Directorate of Minor Minerals.
- c) Development of a location based mobile application for ground verification of identified sources by revenue/ mining officials.
- d) Development of comprehensive Minor Mineral geospatial database containing the details of the identified/ utilized sources.
- e) Development of a Web GIS platform to visualization, analysis, field verification, action planning for Minor-mineral bearing areas.
- f) Periodic analysis, change detection and encroachment monitoring of the minor mineral extraction activities within the identified minor mineral cluster areas.
- g) Provisioning of uploading the AI/ML output to the portal for further analysis.
- h) **Integration** of identified/to be identified sand sources as per District Resource Map in the web portal.
- i) **Integration** of unauthorized/ authorized sand mining areas as identified by ORSAC to the Web-GIS application.
- j) In the event of a software malfunction or operational failure, the bidder shall restore the software at no additional cost.
- k) Necessary configuration of the web and AI/ML application to host at ORSAC or any other server.

### 6.1.Data Collection & Collation

- a. Collection of existing lease details from the Directorate of Minor Minerals
- b. Minor Mineral source areas in form of map or list of Tahsils as available with the Directorate.

### 6.2.Indexing, cataloguing and creation of Metadata of minor mineral leases

- a. Indexing and making a catalogue of minor mineral existing lease case details.
- b. Preparation of the meta data of scanned lease case files.



- c. Incorporation of Document management system within the Minor Mineral Monitoring application for centralized document management of all lease documents.

### **6.3.Geo Database Preparation**

#### **6.3.1. Geo Database Preparation**

ORSAC will provide:

1. Georeferenced and spatial adjustment of cadastral map with the latest satellite imagery.
2. Cadastral Plots under each minor mineral bearing cluster (for each of Blackstone, Laterite, Sand & Morrhum etc.) linked with latest RoR data and with existing lease details.
3. Base data layers like rivers, roads, railways, habitation, etc.

#### **6.3.2. Geo AI Based HRSI Analysis and mapping of Minor Minerals (except sand)**

Mapping and time series monitoring of areas for both Operational and Non-Operational (Auctionable) Minor Minerals sites/clusters using Geo AI analysis on High Resolution Satellite Imagery (Worldview 0.5 meter/ Planet Scope 3 meter) as provided by ORSAC.

#### **6.3.3. Development of Provisional Geo Database for minor-mineral mining areas for field verification**

- a. Flagging of authorized and unauthorized mining/ quarry areas based on the Geo AI analysis and existing lease details.
- b. Flagging of lease area violation (if any) for authorized mining/quarry areas.
- c. Publish Geo AI results for field validation and verification.
- d. Audit trail log of all analysis done in Geo AI engine periodically for each quarry/ mine area.

Worldview High Resolution Satellite Imagery (HRSI) of 0.5m. resolution/Planet scope data of 2.8m for 3 periods annually will be made available by ORSAC for the minor mineral cluster areas (approximately 35,000 sq.km) **in premises at ORSAC**. The selected agency will be required to deploy machine, software, tools and highly skilled professionals for analysis of HRSI data **will have to work in ORSAC premise**. For the current year only two datasets will be used for mapping & monitoring.

#### **6.3.4. Ground validation of Identified Minor Mineral Sources using Mobile Application**

- a. Development of location based mobile GIS application with both offline and online working capability. The mobile GIS application should be working on both Android and iOS platforms.
- b. Offline and online navigation to minor mineral source with proper mobile based geo validation to ensure data accuracy. Collection of ground attributes along with Geo Tagged Photographs.

- c. Integration with Web GIS platform for data validation and final approval of on-field data collection and report generation.
- d. Validation of Geo AI results with Ground Truthing for miss classified areas using collected ground attributes and Geo tagged pictures.

#### 6.4. Development of Web GIS based platform

The minor mineral monitoring solution should include a Web GIS based platform built on top of the geo-database integrated for data visualization, analysis, alert and report generation. The Web GIS based application should have the capability of being integrated with other existing applications used by the Directorate (like i4MS etc.) or running on a standalone platform.

The features and functionality of the Web GIS application shall be as per following:

Sl.	Module	Functionalities/ Objectives
1	Integrated Dashboard	<ul style="list-style-type: none"> <li>District, Tehsil wise minor mineral cluster area details.</li> <li>District, Tehsil wise authorized/ unauthorized minor mineral areas.</li> <li>Status of ground validation of lease violations and unauthorized/ illegal operations.</li> <li>District/ tehsil wise action status against reported areas.</li> <li>District/ tehsil wise historical year wise visualization of mining/ quarry area changes.</li> <li>Option to visualize and compare data over multiple time periods (Yearly/ Quarterly).</li> <li>Scope to display data from other web portals of the department if required.</li> </ul>
2	Field Surveyor	<ul style="list-style-type: none"> <li>View field data along with attributes and geo tagged images using mobile GIS application.</li> <li>Multi-level approval system for data validation.</li> </ul>
3	Web GIS Map view	<ul style="list-style-type: none"> <li>Visualize all Minor Mineral Cluster.</li> <li>Quarry based on District/ Tehsil/ Cluster Area.</li> <li>Timeline analysis tool of operational/non-operational mining areas over period of monitoring.</li> <li>Standard map features like zoom, pan, scale etc.</li> <li>Customized query builder.</li> </ul>



Sl.	Module	Functionalities/ Objectives
		<ul style="list-style-type: none"> <li>Integration of any web services/ WMS/ WFS from any external source if required.</li> </ul>
4	Reporting	<ul style="list-style-type: none"> <li>Yearly/ Quarterly minor mineral mining and quarry area status at district / tehsil wise.</li> <li>Yearly/ Quarterly encroachment report.</li> <li>Yearly/ Quarterly lease violation report.</li> </ul>

NB: Contact of support personnel should be provided for any issue related to the web platform/ mobile application.

#### 6.5.Integration with Existing Minor Mineral Application

The Directorate of Minor Minerals is currently using an existing application (i4MS) for tracking and monitoring of minor mineral activities across the State. The Geo-ICT based Mapping and Monitoring of Minor Minerals in Odisha should ensure seamless integration with the existing application and other applications in consultation with ORSAC/ Directorate of Minor Minerals with the use of secured API based transaction for both inbound and outbound data flow.

#### 6.6.Periodic Monitoring and alert generation

The selected service provider is required to perform periodic monitoring (Thrice a Year) of minor mineral bearing areas/ clusters and update the geo-database. Initially the monitoring will be done with three datasets of World View 0.5mtr/ Planet Scope 2.8mtr. The periodic monitoring of Minor Mineral areas should be taken up preferably during the months mentioned below or may change based on availability of periodicity of data.

1. Oct-Nov
2. Feb-March
3. May-June

The scope of work under periodic monitoring can be summarized as below:

- a. Analysis based on the schedule as provided above to identify changes along with identification of new unauthorized quarry/ mining areas.
- b. Updating geo database with the status of operation against each mine/ quarry areas within the mineral bearing clusters.
- c. Publication of areas detected with lease violations/ unauthorized operations for ground validation using mobile application.

Re-training of developed Geo AI model based on ground truth data to increase accuracy. The Contract Period may be extended further year-to-year basis with the same terms & conditions which will be on the sole discretion of ORSAC.

#### **6.7.Warranty**

The Geo-ICT based Mapping and Monitoring of Minor Minerals in Odisha should come with a One Year warranty after Go-Live. The warranty for the system would include the following items

- a. Operational bugs fix which might come up in the application during the period.
- b. Changes in report format as per the actual requirement of the department.
- c. Contact Support for issues related to the web or mobile application.

Any other changes requiring more than 3 days shall be considered as a Change Request for which the Service Provider may raise a separate quotation with prior discussion with the Department and ORSAC.

#### **6.8.Extended Warranty/ Annual Maintenance Contract**

Geo-ICT based Mapping and Monitoring of Minor Minerals in Odisha should come with a provision for extended warranty after the completion of initial warranty period of 1 Year. The terms of extended warranty would be same as per the terms of included warranty. The decision of CE, ORSAC in regards of warranty extension would be considered as final.

Extending the warranty after 3rd Year from Go Live would be subject to price escalation based on the WPI (Wholesale Price Index).

#### **6.9.Change Requests**

Addition of any modules (Not mentioned in the scope of work) or major changes which will require more than 3 days in the workflow of the Geo-ICT based Mapping and Monitoring of Minor Minerals in Odisha after the successful Go-Live of the system should be considered as a Change Request against the system. Any such change request should be properly documented and officially communicated to the selected SI by ORSAC. Any additional cost incurred for the implementation of the Change Request would be considered over and above the initial project cost after negotiation with the selected SI. The decision of CE, ORSAC in regards of implementation of the Change Request with additional cost would be considered as final.

### **7. Deliverables**

- I. Database and any other documents of Minor Mineral areas linked with cadastral plots, lease records provided by ORSAC/Directorate and authorized/ unauthorized usage details.
- II. HRSI derived results and analysis reports for all Minor Minerals areas.
- III. System Requirement Specification and Design Specification Document for the Web and Mobile GIS application.



- IV. AI/ML Model process steps along with code, including all other supporting data.
- V. Application source codes pushed to Code Versioning system available with ORSAC.
- VI. UAT certificate from the end user Department.
- VII. User Manual/ Operational handbook.
- VIII. Cert-In Certification.
- IX. Training.
- X. After the completion of the project the related data need to be handed over to ORSAC.

## 8. Technical Specification for Web & Mobile GIS Application

Sl.	Component	Technology
1.	Web Front End	React JS / Angular JS
2.	Back End	Java Spring Boot (LTS) with JDK (min 17 or above)/ Flask/ Django
3.	Mobile Application	Native Kotlin for Android, Swift for iOS/ Flutter for Hybrid Application
4.	Web GIS Front End	Open Layers/ Leaflet/ ArcGIS JavaScript API LTS
5.	Web GIS Server	Geo Server
6.	Web Backend Server	Apache Tomcat (LTS)
7.	Database	PostgreSQL with PostGIS
8.	Server OS	Ubuntu LTS

## 9. Timeline:

All Deliverables shall be strictly as per the Logic and Rationale of the Scope of the Works as defined in the Section 6 and shall be executed within 6 months from the date of Award of Contract. Except for the last HRSI analysis for which timeline will be 1 year from the date of Award of Contract.

## 10. Instructions to Bidders:

### 10.1 DEFINITIONS:

In this document, the following terms shall have following respective meanings: -

- "ORSAC" means Odisha Space Applications Centre, Bhubaneswar
- "Acceptance" means the ORSAC's written certification that following installation, the system(s) (or specific part thereof) has been tested and verified as complete and/or

fully operational, in accordance with the acceptance test defined in the Acceptance Test Documents.

- "Acceptance Test Documents" means a mutually agreed document which defines procedures for testing the functioning of the Proposed Application, against requirements laid down in the agreement. It should define tests to be carried out, test equipment and expected test results.
- "Contract Agreement" means the Agreement to be signed by the Successful Bidder and Odisha Space Applications Centre (ORSAC).
- "Authorized Representative" shall mean any person/agency authorized by either of the parties.
- "Bidder/ System Integrator" means any bidder or bidder offering the solution(s), service(s) and/ or materials asked for in the RFP.
- "Contract" is used synonymously with agreement.
- "Documentary evidence" means any matter expressed or described upon any substance by means of letters, figures or marks intended to be used for the recording of that matter and produced before a court.
- "Gov./GoO/Government/Govt. of Odisha" shall mean Government of Odisha.
- "Go-Live / System Go-Live" Shall mean that the successful development and commissioning of the Geo-portal with all the Applications at SDC Servers and Storages i.e. designing, development, testing, training and implementation and hosting of the Geo-Portal and all Applications as per the scopes and deliverables. This implies the software can now be used by all the end users together as will be defined in the detailed Software Requirement Specifications document. For successful Go-Live, issuance of Acceptance certificate is required from ORSAC.
- "SP" Shall mean Service Provider (Bidder who will be selected through this RFP).
- "SI" Shall mean System Integrator who will be selected through this RFP.
- "Law" shall mean any Act, notification, bye law, rules and regulations, directive, ordinance, order or instruction having the force of law enacted or issued by the Government of India or State Government or regulatory authority or political sub-division of government agency.
- "LoI" means Letter of Intent which shall constitute the intention of the RFP to place the purchase order with the Bidder.
- "Party" shall mean ORSAC or Bidder individually and "Parties" shall mean ORSAC and Bidder collectively.
- "PBC" means Pre-Bid Conference.
- "Rates/Prices" means prices of supply of equipment and services quoted by the SI in the Commercial Bid submitted by him and/or mentioned in the Contract.



- "RFP" means Request for Proposal which is the detailed notification seeking a set of solution(s), service(s), materials and/or any combination of them.
- "Services" means the work to be performed by the Bidder pursuant to this Contract, as detailed in the Scope of Work
- "Site" shall mean the location(s) for which the Contract has been issued and where the service shall be provided as per Agreement.
- "Incidental services" shall mean for the purpose of the project activities which have dependencies on the activities mentioned in the scope of work for the Bidder, for example coordination with different stakeholders, logistic support as required for installation and commissioning etc.
- "Bidder" shall mean organisations registered under Indian Companies Act/Partnership.

## 10.2. CLARIFICATIONS & AMENDMENTS:

**Amendment of RFP document:** - At any time prior to the deadline (or as extended by ORSAC) for submission of bids, ORSAC, for any reason, whether at its own initiative or in response to clarifications requested by prospective Bidder may modify the RFP document by issuing amendment(s). In order to allow Bidders a reasonable time to take the amendment(s) into account in preparing their bids, ORSAC, at its discretion, may extend the deadline for the submission of bids.

**NB:** *ORSAC reserves the right to amend any clause of the scope of work, payment terms, and timelines during the Project duration, if necessary.*

## 10.3. PREPARATION OF RFP DOCUMENT:

The RFP Document should be hard bound with page numbering and properly indexed by the Participating Agency, failing which the RFP will be summarily rejected.

**Cost incurred for preparation of RFP document:** - Bidder shall bear all costs associated with the preparation and submission of the RFP including surveys and ORSAC will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the RFP process.

**Language of proposal:** - The proposal prepared by the Bidder, as well as all correspondence and documents relating to the RFP exchanged between the Bidder and ORSAC shall be in English. Information supplied in other language shall be rejected.

**Bid currency:** - Prices for services offered shall be quoted in Indian National Rupees (INR) only.

**Correction of errors:** - The person signing the bid must initial erasures or other corrections. The Bidder further agrees that in the event of any obvious errors, ORSAC reserves the right to waive such errors in its sole discretion. However, ORSAC has no obligation under any circumstances to waive such errors.

**Proposal validity:**

- The bid shall remain valid for 180 days from the actual date of Financial Bid Opening. Bidder should ensure that in all circumstances, its Bid fulfils the validity condition. Any bid valid for a shorter period shall be rejected as non-responsive.
- In exceptional circumstances, ORSAC may solicit Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing or by mail.

**Lack of information to Bidder:** The Bidder shall be deemed to have carefully examined RFP document to his entire satisfaction. Any lack of information shall not in any way relieve the Bidder of his responsibility to fulfill his obligation under the RFP.





#### 10.4.DOCUMENT COMPRISING THE BIDDER'S PROPOSAL:

##### 10.4.1. GENERAL (Pre-Qualification) PROPOSAL

The General (Pre-Qualification) PROPOSAL (First Cover) of the bidder (with following systematic order, indexed and page number) shall contain the following:

Sl.	Eligibility Criteria	Desired Documents
1.	The bidders must be Registered under Indian Companies Act/Partnership act and have existence for a minimum period of 10 years.	Bidder Registration Certificate.
2.	The bidders should have at least ISO 27001:2013 certification on Information security, ISO 9001:2015 Quality Certification & CMMI certificate in software development.	Valid ISO Information Security, Quality Certificate& CMMI certificate.
3.	The Bidder have Annual Average Turnover of Rs.10 Crore (Rupees Ten Crore only) last three financial years. (FY2024-25, FY2023-24 & FY2022-23). The financial statement should reflect turnover.	Copies of audited Balance Sheet, Profit & Loss account and Auditor Certified Turnover statement indicating revenue for last 3 years must be enclosed as supporting.
4.	The bidders Should have a Physically Verifiable & Full-fledged Registered Business Office in Odisha.	Detail of Business Premise address, landline Telephone Number, Geo-tagged Photos, and necessary legal documents etc. are to be provided to prove its existence.
5.	Bidders should have valid IT Return for last 3 financial years (FY2024-25, FY2023-24 & FY2022-23).	Copy of IT return for last 3 Financial Years (FY2024-25, FY2023-24 & FY2022-23).
6.	Bidders should have valid Provident Fund Registration Certificate.	Copy of Provident Fund Registration Certificate along with ccopy of latest Provident Fund Return Certificate.
7.	Bidders should have valid ESI Registration Certificate or Employee Group Insurance Certificate as Applicable.	The bidding organizations must submit copy of their ESI Registration along with copies of last Annual Return and/or copy of Group Insurance certificate



Sl.	Eligibility Criteria	Desired Documents
8.	Bidders should have experience in Enterprise Class GIS/ MIS based Application for any Govt. Department currently in Live production environment.	Copies of Work Orders / Agreement / Completion Certificate. (Extension Work Orders will not be considered)
9.	Bidders should have minimum 40 (Forty) numbers of IT/ GIS professional on a regular payroll with details of work experience.	Copy of EPF & ESI Registration Certificate & latest return shall be submitted
10.	The bidders should not have been blacklisted / banned by any Central / State Government (Central / State Government and Public Sector) and any Court of Law or under a declaration of ineligibility for corrupt or fraudulent practices as on date of Bid Submission.	Notarised Affidavit to this effect to be submitted by Bidder
11.	Net-Worth The net worth of the company must be positive in last three financial years ending at 31 <sup>st</sup> March 2025.	Certificate from CA
12.	EMD The Bidder must have submitted the EMD of Rs. 10,00,000/- (Rupees Ten Lakh only) in the shape of Account Payee Demand Draft from any Nationalized bank in favour of Chief Executive, ORSAC, Odisha payable at Bhubaneswar.	DD
13.	Cost of RFP (Non-refundable), Rs. 5,000/-(Rupees Five Thousand only) in form of DD from any nationalized Bank in favour of Chief Executive ,ORSAC, Bhubaneswar.	DD

#### 10.4.2. TECHNICAL PROPOSAL

The technical proposal of the Bidder (WITH PROPER PAGE NUMBER) shall contain detailed description on the approach and methodology on the system developments to achieve the desired objectives as specified in this document wherein the Bidder shall



describe in detail, the required services and articulate how the technical solution shall meet the requirements within the scheduled timeline as specified in this RFP document. The technical proposal shall also include the following: -

- Detailed Approach & Methodology to execute the assignment.
- Project governance structure describing project management processes, methodologies and procedures, risk, and issues management. Escalation mechanism, including team structure, capability, and resource deployment plan.
- Collaborative mode work assignment with the ORSAC Geo-ICT team.
- Weekly review during the preliminary phase followed by fortnight/monthly review in the subsequent stages of the work progress.
- Detailed quality assurance processes, procedures, formal review to be adopted.
- Proposed solution that meets the requirements specified in scope of work.
- Security capabilities of proposed solution architecture covering authentication, authorization, audit trail intrusion prevention and overall alignment to the Govt. of Odisha's security policies and best practices.
- Proposed solution addressing scalability, availability, performance, security & manageability.
- Approach for business continuity & disaster recovery.
- Bidder's experience provided in the format specified.
- Proposed solution on monitoring resource utilization in real time.
- Proposed solution on automated configuration management with effective build and release process.
- Proposed Backup Recovery Strategy defining back-up window, periodicity and incidence response and recovery-restoration and disk management.
- Proposed data retention and archiving policy.
- Risk management strategy on backup and recovery, network and security infrastructure.

#### **10.4.3. COMMERCIAL PROPOSAL:**

Unless expressly indicated, Bidder shall not include any technical information regarding the services in the commercial proposal. Prices shall be quoted entirely in Indian Rupees (INR) and must be arrived at after including all expenses, rates, and taxes.

The commercial Proposal must include the total price for all services scoped in the Proposal. To be deemed responsive to this RFP Document, Bidders must complete in detail all the Commercial Proposal Forms provided in this document.

Bidders are suggested not to use - 'To Be Determined' or similar annotations in the cells for cost estimates. It is suggested that the Bidders need to specify prices for all categories.

#### **10.4.4. RFP DOCUMENT COST:**

Non-refundable bank demand draft of Rs. 5,000/- (Rupees Five Thousand only) is to be submitted along with the bid towards the cost of the RFP paper. The demand draft is to be drawn in favor of Chief Executive, Odisha Space Applications Centre, payable at Bhubaneswar, Odisha, from any scheduled nationalized bank. Bids received without or with inadequate RFP Document fees will be rejected.



#### 10.4.5. BID SECURITY/ EMD:

- All proposals submitted in response to the RFP document must be accompanied by an Earnest Money Deposit (EMD) of **Rs. Rs.10,00,000/-** (Rupees Ten Lakh only) in the form of a Bank Demand Draft drawn in favour of Chief Executive, Odisha Space Applications Centre, payable at Bhubaneswar from any Schedule/ Nationalised Bank. Bids submitted without EMD will be rejected.
- EMD of all unsuccessful bidders would be refunded by ORSAC within 90 DAYS of the bidder being notified as being unsuccessful.
- The EMD, for the amount mentioned above, of the successful bidder would be returned upon submission of requisite Performance Bank Guarantee as per the Form provided in GF-5, by the bidder.
- The EMD amount is interest free and will be refundable to the bidders without any accrued interest on it.

#### 10.4.6. POWER OF ATTORNEY:

The Bidder must submit the power of attorney duly signed by a notary public confirmation the authority of the authorized representative of the Bidder to sign and act in all matters concerning the offer. The Power of Attorney shall mention clearly about the responsibility of the Lead Bidder relating to the execution of the Project.

#### 10.4.7. BID SUBMISSION:

Organizations conversant with the subject and having necessary infrastructure and resources including local mobilization may submit their Proposal in 3-Parts, GENERAL BID, TECHNICAL BID and COMMERCIAL BID with credentials for evaluation. All the three bids i.e. General Bid, Technical Bid and the Financial Bid shall be enclosed in separate sealed envelopes. The General Bid should be superscribed with "**GENERAL BID**", Technical Bid envelope shall be superscribed with "**TECHNICAL BID**". The Financial Bid envelope shall be superscribed with "**FINANCIAL BID (NOT TO BE OPENED WITH THE TECHNICAL BID)**". All the three bids General Bid, Technical bid and the Financial Bid envelopes shall be enclosed in an outer sealed envelope superscribed with **Bid Document for "Selection of Agency to Undertake Geo-ICT based Mapping and Monitoring of Minor Minerals in Odisha"** and addressed to Chief Executive, ORSAC."

#### 10.4.8. ADDRESS FOR COMMUNICATION/SUBMISSION OF BIDS;

The detail address for communication with ORSAC/Submission of Bids for this project is as follows:

Dr. Srikant Kumar Das,

Odisha Space Applications Centre (ORSAC),

Dept. of Science and Technology,





Govt. of Odisha,

Plot no.45/48, JayadevYihar, Near GAA,

Unit- 16, Bhubaneswar-751023, Odisha

Phone: +91-674-2303625, Cell: 9437284890.

Email: [orsac@odisha.gov.in](mailto:orsac@odisha.gov.in) / [orsac2012@gmail.com](mailto:orsac2012@gmail.com)

#### 10.4.9. LATE BID:

- a) Bids received after the due date and the specified time (including the extended period if any) for any reason whatsoever, shall not be entertained and shall be returned to the Bidder, unopened.
- b) The bids submitted by telex/telegram/fax/e-mail etc. shall not be considered. No correspondence will be entertained on this matter.
- c) ORSAC shall not be responsible for any postal delay or non-receipt/ non-delivery or the documents. No further correspondence on the subject will be entertained.

#### 10.4.10. MODIFICATION AND WITHDRAWAL OF BID:

Bids once submitted cannot be modified in any circumstances. Withdrawal of a Bid during this interval may result in the Bidder's forfeit of its Bid security/EMD and /or any other action as per law.

#### 10.4.11. RIGHT TO ACCEPT AND REJECT ANY OR ALL BIDS:

ORSAC reserves the right to accept or reject any proposal and to annul the tendering process and reject all proposals at any time prior to award of contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the ORSAC action. Incomplete bid will be straightaway rejected by ORSAC.

### 10.5. Bid Opening, Evaluation & Award of the Works:

#### Eligibility Criteria:

The Bidders intend to participate in the RFP for the “Selection of Agency to Undertake Development of “Geo-ICT based Mapping and Monitoring of Minor Minerals in Odisha” must meet the following minimum Eligibility criteria, failing which Bidders will not qualify for the RFP. The Eligibility Criteria of the Bidders for bidding are strictly as under:

Sl.	Eligibility Criteria	Desired Documents
1.	The bidders must be Registered under Indian Companies Act/Partnership act and have existence for a minimum period of 10 years.	Bidder Registration Certificate.

Sl.	Eligibility Criteria	Desired Documents
2.	The bidders should have at least ISO 27001:2013 certification on Information security, ISO 9001:2015 Quality Certification & CMMI certificate in software development.	Valid ISO Information Security, Quality Certificate & CMMI certificate.
3.	The Bidder have Annual Average Turnover of Rs.10 Crore (Rupees Ten Crore only) last three financial years. (FY2024-25, FY2023-24 & FY2022-23). The financial statement should reflect turnover.	Copies of audited Balance Sheet, Profit & Loss account and Auditor Certified Turnover statement indicating revenue for last 3 years must be enclosed as supporting.
4.	The bidders Should have a Physically Verifiable & Full-fledged Registered Business Office in Odisha.	Detail of Business Premise address, landline Telephone Number, Geo-tagged Photos, and necessary legal documents etc. are to be provided to prove its existence.
5.	Bidders should have valid IT Return for last 3 financial years (FY2024-25, FY2023-24 & FY2022-23).	Copy of IT return for last 3 Financial Years (FY2024-25, FY2023-24 & FY2022-23).
6.	Bidders should have valid Provident Fund Registration Certificate.	Copy of Provident Fund Registration Certificate along with copy of latest Provident Fund Return Certificate.
7.	Bidders should have valid ESI Registration Certificate or Employee Group Insurance Certificate as Applicable.	The bidding organizations must submit copy of their ESI Registration along with copies of last Annual Return and/or copy of Group Insurance certificate
8.	Bidders should have experience in Enterprise Class GIS/ MIS based Application for any Govt. Department currently in Live production environment.	Copies of Work Orders / Agreement / Completion Certificate. (Extension Work Orders will not be considered)
9.	Bidders should have minimum 40 (Forty) numbers of IT/ GIS professional on a regular payroll.	Copy of EPF & ESI Registration Certificate & latest return shall be submitted





Sl.	Eligibility Criteria	Desired Documents
10.	The bidders should not have been blacklisted / banned by any Central / State Government (Central / State Government and Public Sector) and any Court of Law or under a declaration of ineligibility for corrupt or fraudulent practices as on date of Bid Submission.	Notarised Affidavit to this effect to be submitted by Bidder
11.	Net-Worth The net worth of the company must be positive in last three financial years ending at 31 <sup>st</sup> March 2025.	Certificate from CA
12.	EMD The Bidder must have submitted the EMD of Rs. Rs.10,00,000/- (Rupees Ten Lakh only) in the shape of Account Payee Demand Draft from any Nationalized bank in favour of Chief Executive, ORSAC, Odisha payable at Bhubaneswar.	DD
13.	Cost of RFP (Non-refundable), Rs. 5,000/-(Rupees Five Thousand only) in form of DD from any nationalized Bank in favour of Chief Executive ,ORSAC, Bhubaneswar.	DD

## 10.6. BID EVALUATION

Successful delivery of the project within the allotted time and cost demands a Geo-ICT team of professionals with relevant experience and a local geospatial data management infrastructure to handle the large-scale data analysis, geo-spatial database generation, image analysis, quality checks, field checks, rule-based validations, field trainings, etc., maintaining a close coordination with ORSAC, the bids shall be evaluated based on combined **Quality and Cost Based Selection (QCBS)** method.

### 10.6.1. Evaluation of Technical Bid

The Bids submitted up to last date will be opened at ORSAC by the Chief Executive, ORSAC or any other officer (s) authorized by ORSAC, in the presence of such of those Bidders or their representatives who may choose to be present at the time of opening. The representatives of the Bidder are advised to carry a letter of authority from the bidding bidders for attending the Bid opening.

The Evaluation Committee will check the submission as per the criteria. Those are selected after the check shall be called for a Technical Presentation. The committee will evaluate the technical bids as per the "Technical Score Criteria" mentioned in the following table. The technical presentation will be of approximately 20 minutes duration. Evaluation of the technical presentation shall be conducted by the evaluation committee and shall be based on Bidder's understanding & project implementation proposal for the "Selection of Agency to Undertake Development of **Geo-ICT based Mapping and Monitoring of Minor Minerals in Odisha**".

ORSAC may also seek written clarifications from the Bidder soon after the bids submitted by them, during the evaluation process. The primary function or clarifications in the evaluation process is to clarify ambiguities and uncertainties. if any, arising out of the evaluation of the bid documents.

Sl.	Technical Score criteria	Max Mark	Scoring Criteria
1.	The bidders must have Annual Average Turnover of <b>Rs. 10 Crores</b> (Rupees Ten Crore only) last three financial years. (FY2024-25, FY2023-24 & FY2022-23). The financial statement should reflect turnover. <i>Auditor certified turnover statement and net worth for FY2024-25, FY2023-24 &amp; FY2022-23 in original along with balance sheet and profit and loss account for the said Financial Years to be submitted.</i>	10	<ul style="list-style-type: none"> <li>Rs. 10 Crore to Rs.20 Crore: <b>5 Marks</b></li> <li>Rs. 20 Crores to Rs. 50 Crores: <b>7 Marks.</b></li> <li>Rs. 50 Crores and Above: <b>10 Marks.</b></li> </ul>
2.	The bidders should have CMMi Level Certification.	6	<ul style="list-style-type: none"> <li>CMMi Level 3: <b>3 Marks</b></li> <li>CMMi Level 5: <b>6 Marks</b></li> </ul>
3.	The Organization should have at least ISO 27001:2013 certification on Information security and ISO 9001:2015 Quality Certification.	4	<ul style="list-style-type: none"> <li>ISO 27001:2013 certification on Information security: <b>2 Marks</b></li> <li>ISO 9001:2015 Quality Certification: <b>2 Marks.</b></li> </ul>
4.	Employing Minimum 20 Numbers of IT professionals on regular payroll <i>Copy of EPF/ Group Insurance Certificate with latest return listing personnel name to be submitted</i>	5	<ul style="list-style-type: none"> <li>20 To 25 Professionals: <b>2 Marks</b></li> <li>25 To 30 Professionals: <b>3 Marks</b></li> <li>30 and Above Professionals: <b>5 Marks</b></li> </ul>
5.	Employing Minimum 20 Numbers of RS & GIS/ Geo-informatics professionals on regular payroll	5	<ul style="list-style-type: none"> <li>20 To 25 Professionals: <b>2 Marks</b></li> <li>25 To 30 Professionals: <b>3 Marks</b></li> </ul>



Sl.	Technical Score criteria	Max Mark	Scoring Criteria
	<i>Copy of EPF/ Group Insurance Certificate with latest return listing personnel name to be submitted</i>		<ul style="list-style-type: none"> <li>30 and Above Professionals: <b>5 Marks</b></li> </ul>
6.	<p>The bidders should have experience in development &amp; commissioning of Enterprise Class Web and Mobile GIS &amp; MIS based systems for any Govt. Department currently in Live production environment for each project value not less than Rs.5 crore.</p> <p>Bidder shall produce the URLs of the Live projects, which is to be verified by the ORSAC Technical committee.</p> <p><i>Copies of supporting work order/ completion certificate to be submitted</i></p>	25	Each project: <b>5 Marks</b>
7.	<p>The bidder should have experience in HRSI image processing, geo-referencing of cadastral maps for any Govt. Department.</p> <p><i>Copies of supporting work order/ completion certificate to be submitted</i></p>	20	<ul style="list-style-type: none"> <li>Rs. 50 Lakh to Rs.2 Crores: <b>5 Marks each project</b></li> <li>Rs. 2 Crores and Above: <b>10 Marks Each project</b></li> </ul>
8.	<p>Technical Presentation, broadly covering the aspect of Project understanding, proposed solution, similar experience in Web-GIS applications for asset and works management, Local Infrastructure &amp; Techno Managerial Strength.</p> <p><i>It is to be awarded by Technical Evaluation Committee members, and it will be the arithmetic average of all marks awarded by the Tech Committee members.</i></p>	25	<ul style="list-style-type: none"> <li>Proposed Solution and Proof of the Concept - <b>10 Marks</b></li> <li>Implementation of Web-GIS based Assets and Works management system - <b>10 marks</b></li> <li>Local Infrastructure &amp; Techno Managerial Strength- <b>5 Marks</b></li> </ul>
	<b>Total Technical Marks / Scores</b>	<b>100</b>	

The Bidder scoring a minimum of **70 marks out of 100** in the Technical Bid Evaluation process, shall be declared as the Technically Qualified Bidder. The Financial bids shall be opened only for the Technically Qualified Bidders.

#### 10.6.2. Evaluation of Price Bid:

The price bids shall be opened only for the Technically Qualified Bidders on the scheduled dates as mentioned in the RFP. The authorized representatives of the Technically Qualified Bidders may be present during the price bid opening process. The price bids shall be scrutinized for their conformity to the specified formats and signatures. The price bids not

in specified format and/or not with signature of the authorized representatives shall be summarily rejected. Scrutiny and evaluation of the price bids shall be conducted as follows.

In the event of difference between the price mentioned in figures and words, the price in words shall be considered valid and binding.

**Scrutiny and evaluation of the price bids shall be conducted based only on the following criteria:**

The Tentative Estimated Cost of this work including GST is **Rs. 4,80,00,000/- (Rupees Four Crore Eighty Lakh) only.**

- Only the Total Quoted Price in the Bid including Tax, submitted by the bidders will be considered for evaluation. There shall be no component-wise evaluation of the bids.
- No bid above the estimated cost shall be considered and shall be summarily rejected towards financial evaluation as a principle of budgetary constraint.
- Abnormally low quotes, 'below 80% of the estimated price' (EP-20%) shall be treated as unviable from quality and feasibility considerations and shall be summarily rejected.
- If a Technically qualified bid is quoted with a price below 90% of the estimated price (i.e., EP -10%) and in order to consider it for Financial evaluation, it must accompany an additional of the shortfall amount in form of a Bank Guarantee with a validity period of 1 year.(apart from the contract value bank guarantee), issued from a Nationalized bank in favour of Chief Executive, ORSAC, Odisha payable at Bhubaneswar and it shall be claimed by CE, ORSAC as an unconditional forfeiture to the Govt. exchequer, if the bidder fails to execute the project as per the terms and conditions of the agreement of the execution of the work.

*Thus, if the quoted price by the bidder (QP) goes below 90% of the estimated price (EP) indicated in this RFP, the value of additional security shall be =  $0.9 EP - QP$ .*

**Scrutiny and evaluation of the Financial Bids shall be carried out as per the following guidelines:**

- In the event of difference between the price mentioned in figures and words, the price in words shall be valid and binding.
- Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If the Bidder does not accept the correction of the errors; its RFP will be rejected.
- Totalling of the itemized price quoted will be done if not carried out. Total price will be treated as bid price.
- Any discrepancy relating to prices quoted in the offer across different sections of



the bid, only prices given in the prescribed format of this RFP shall prevail.

Scores of the Commercial Evaluation would be weighed prorata on a scale of 100. The Bidder with the lowest commercial quote shall be awarded 100 marks. The marks obtained by the bidders in the Financial Bid evaluation shall be considered as Financial Score (FS). The Financial Score of the other Technically Qualified Bidders shall be computed as per the following formula:

$$FS = 100 \times (F_{min}/F_b)$$

Where:

*FS* = Financial Score for the bidder under consideration

*F<sub>min</sub>* = minimum price quoted by any bidder

*F<sub>b</sub>* = price quoted by the bidder

The Technical Score (TS) and the Financial Score (FS) secured by each bidder shall be subjected to the Technical Weightage  $WT = 0.70$  (the weight given to the technical proposal) and Financial Weightage  $WF = 0.30$  (the weight given to the financial proposal).

The Combined Technical and Financial Score (S) for the bidder (s) shall be computed as per the following formula.

$$S = (TS \times 0.7) + (FS \times 0.3)$$

**The tie breaking strategy to be adopted, in case of a tie in the combined Technical and Financial Score as under:**

- The bidder who has executed maximum number of Live Enterprise Class GIS/MIS application projects of worth more than Rupees 5 Crore and which are live and verifiable shall be the winner of the bid in the tie, and shall be chosen for the work.
- If the above fails to resolve the tie, the bidder has the Maximum Average Annual Turnover in the last 3 years as described in the General Eligibility Criteria of this RFP, shall be chosen for the work.

#### **10.7.FORFEITURE OF BID SECURITY DECLARATION:**

The Bid security declaration may be forfeited either in full or in part, at the discretion of ORSAC, on account of one or more of the following reasons:

- The Bidder withdraws his bid during the period of Bid validity specified by him on the Bid Letter Form.
- The Bidder fails to co-operate in the Bid evaluation process.
- If the bid or its submission is not in conformity with the instruction mentioned

herein.

- If the Bidder violates any of the provisions of the terms and conditions of the RFP.
- If the Bidder is non-responsive or does not provide appropriate response to any clarification sought by the ORSAC within the stipulated time during bid evaluation.
- In the case of a successful Bidder fails to (a) accept award of work, (b) sign the Contract Agreement with ORSAC, after acceptance of communication on placement of award, (c) furnish performance security.
- The Bidder violates any of such important conditions of this RFP document or indulges in any such activities as would jeopardize the interest of ORSAC in timely finalization of this RFP.

#### 10.8.DISQUALIFICATION:

The proposal is liable to be disqualified in the following cases or in case Bidder fails to meet the bidding requirements as indicated in this RFP Document

- Proposal not submitted in accordance with the procedure and formats prescribed in this document or treated as non-conforming proposal.
- The Bidder qualifies the proposal with his own conditions.
- Proposal received in incomplete form.
- Proposal received after due date and time.
- Proposal not accompanied by all the requisite documents.
- Information submitted in technical proposal is found to be mis represented, incorrect or false, accidentally, unwittingly or otherwise, at any time during the processing of the contract (no matter at what stage) or during the tenure of the contract including the extension period, if any.
- Bids not submitted with required certification.
- Commercial proposal enclosed with the same envelope as technical proposal.
- Bidder trying to influence the proposal evaluation process by unlawful, corrupt or fraudulent means at any point of time during the bid process.
- In case any one party submits multiple proposals, the bids are likely to be disqualified, unless additional bids are withdrawn upon notice immediately.
- Any deviations between technical and commercial proposals shall make the proposal as being unresponsive and may lead to disqualification of the proposal.

Bidders may specifically note that while evaluating the proposals, if it comes to ORSAC's knowledge expressly or implied, that some Bidders may have colluded in any manner



whatsoever or otherwise joined to form an alliance resulting in delaying the processing of proposal, then the Bidders so involved are liable to be disqualified for this contract as well as prohibited from participation in any of the RFPs floated by ORSAC in future.

#### 10.9. AWARD OF CONTRACT:

ORSAC will award the Contract to the successful Bidder having the best proposal with respect to the above-mentioned evaluation criteria.

- ORSAC will notify the successful Bidder / bidder in writing for finalizing the contract conditions. The successful Bidder will be asked to sign the Contract Agreement within 15 days of the notification. After signing of the Contract Agreement, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties. If ORSAC is unable to finalize a service agreement with the Bidder ranked first, it may proceed to the next ranked Bidder with a due negotiation, but it is the sole discretion of ORSAC only. However, ORSAC has no obligation under any circumstances to move to the next Bidder.
- Prior to the expiry of the validity period, ORSAC will issue LoI (Letter of Intent) to the successful Bidder confirmation the acceptance of proposal. The notification of award will constitute the formation of the contract. Upon the successful Bidder's furnishing of Performance Bank Guarantee, ORSAC will promptly notify each unsuccessful Bidder and return their Bid Security.
- On issuance of the Letter of Intent (LoI) by ORSAC, the Bidder has to confirm its acceptance within seven days of its issuance and signing of agreement within 15 days of notification, failing which the ORSAC reserves the right to take appropriate disciplinary actions including forfeiture of EMD.
- ORSAC may also like to reduce or increase the quantity of any item in the Scope of Work defined in the RFP. Accordingly, total contract value may change on the basis of the rates defined in the financial proposal.
- The Work order Agreement format may subject to change.

#### 10.10. GENERAL TERMS & CONDITIONS

##### 10.10.1. Bid Validity Period

The Bid submitted by the bidder shall remain valid for 180 days from the date of opening of the Financial Bid. Bids with validity period less than 180 days shall be treated as non-responsive and shall be rejected.

##### 10.10.2. Corrupt / Fraudulent Practices

The Bidder is expected to observe highest standards of ethics during the procurement and execution of the assignment. In pursuance of this policy, the RFP defines the terms set forth as follows:- "Corrupt Practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of the public official in the procurement process or in contract execution; and "Fraudulent Practice" means a misrepresentation of facts, in order



to influence a procurement process or execution of a contract to the detriment of the Client, and includes collusive practice among Bidders (prior to or after bid submission), designed to establish bid prices at artificial non-competitive levels and to deprive the Client of the benefits of the free and open competition. In case the Bidder is found to be engaged in Corrupt/ Fraudulent practices before the contract award or after award of the contract, such Bidder shall be declared ineligible and his/ her bid shall be rejected and the contract shall be terminated, as the case may be.

#### **10.10.3. Right To Accept / Reject The Bid**

Notwithstanding anything contained herein, Chief Executive, ORSAC reserves the Right to reject any Bid or all Bids without showing any reason thereof.

#### **10.10.4. Late Bids**

Bids received after the specified last Date and Time of receipt (including any extension of time for submission of bid thereof) for whatsoever reason, shall be rejected summarily. No further communications in this regard shall be entertained.

#### **10.10.5. Award Of Work**

Notwithstanding anything contrary to the provisions in this RFP document, Chief Executive, ORSAC reserves the right to accept or reject any proposal or to annul the process fully or partially or modify the same and to reject any/all proposals at any time prior to the award of work, without incurring any liabilities in this regard and without assigning any reason thereof. ORSAC reserves the right at the time of Contract award or during the execution of contract to increase or decrease the quantity of work allotted to the selected Bidder.

#### **10.10.6. Performance Bank Gurantee**

The selected Bidder shall be required to submit a Performance Bank Guarantee for an amount equal to 10% of the total Contract Value valid for 3 months in excess of the agreement period in favour of Chief Executive, ORSAC issued by any Nationalized Bank Payable at Bhubaneswar. The selected bidder shall furnish the Performance Bank Guarantee before signing the Contract Agreement with ORSAC. The Performance Bank Guarantee shall be held free of interest as security for due performance as per obligations under the contract. The Performance Bank Guarantee shall be released after successful completion of the Performance Period.

#### **10.10.7. Extension of Time**

The date of completion of the contract may be extended due to force majeure or events beyond control of the selected Bidder. In such case, the Bidder shall be obliged to submit a claim for extension of time with due justification. The decision of the department on time extension shall be binding on the Bidder. Necessary amendment to the contract in accordance with the granted time extension will be done. Liquidated Damage shall not be





applicable for the officially extended time period. In case of extension a modified BG need to be submitted with validity 3 months in excess of the revised date of completion.

#### **10.10.8. Copyright**

The copyrights of all maps, documents and other materials containing data and information including plan/ design/ specifications/ database/ application software furnished by the selected Bidder to the ORSAC shall remain as Intellectual Property of the ORSAC. And it should not be reproduced anywhere without prior permission of ORSAC. Also any violation of this may result in legal proceedings against the firm.

#### **10.10.9. Liquidated Damages**

In case the selected Bidder fails to attain completion of the work within the scheduled time for Completion or any extension thereof due to reasons attributable to the selected bidder, ORSAC shall recover the amount of Liquidated Damages, by making deductions from the selected bidder's account or by encashment of Bank Guarantees at the rate of 0.5% of the Contract Price plus escalation, if any, excluding taxes and duties per month of delay up to a maximum of 5% of the Contract value, excluding taxes and duties.

However, the payment of liquidated damages shall not in any way relieve the selected Bidder from any of its obligations to complete the Work or from any other obligations and liabilities of the Consultant under the Contract.

#### **10.10.10. Suspension Of Work**

The department may, by notice to the selected Bidder, order the selected Bidder to suspend Work of any or all of its obligations under the Contract. Such notice shall specify the obligation of which performance is to be suspended, the Effective Date of the suspension and the reasons, therefore. The selected Bidder shall there upon suspend work of such obligation (except those obligations necessary for the care or preservation of the Work) until ordered in writing to resume such performance by ORSAC.

#### **10.10.11. Insurance & Liability**

The selected Bidder shall, at his own expense, arrange appropriate comprehensive insurance to cover all risks assumed by the vendor under this contract in respect of its personnel and equipment deployed under this contract. ORSAC shall not be liable for any incident relating to any damage to the machines/ persons involved during the survey/work.

#### **10.10.12. Entire Contract and T & C of this RFP**

The terms and conditions laid down in this document and all annexure thereto as also the forms and any attachment shall be read in consonance as an integral part of this contract. Confusions due to inadvertent omissions and commissions in this RFP shall be addressed and disposed under the object and reason of this RFP and matters are to be understood under common sense and logic.



#### **10.10.13. Disputes & Arbitration**

All disputes arising out of the contract shall be amicably settled by both parties. In the unfortunate event of any dispute or differences, breach and violation relating to the terms of this agreement, the said dispute or difference shall be referred to the sole arbitration of the Arbitrator appointed by Chief Executive, ORSAC for the purpose. The award of the arbitrator shall be final and binding on both the parties. The adjudication of arbitrator shall be governed by the provision of the Arbitration and Conciliation Act, 1996, or any statutory modification or re-enactment thereof or any rules made thereof. All legal disputes are subject to the jurisdiction of courts in Bhubaneswar.

#### **10.10.14. Governing Laws**

The contract between Chief Executive, ORSAC and the selected Bidder shall be governed by and interpreted in accordance with the laws for the time being in force in the state of Odisha. The courts at Bhubaneswar shall have exclusive jurisdiction in all matters arising under the contract.

#### **10.10.15. Force Majeure**

Neither party shall be liable to the other for any loss or damage occasioned by or arising out of acts of God such as unprecedented flood, volcanic eruption, earthquake or other convulsion of nature and other acts such as but not restricted to invasion, the act of foreign countries, hostilities, or war-like operations before or after declaration of war, rebellion, military power which prevent performance of the contract and which could not be foreseen or avoided by a prudent person.

### **11. PAYMENT TERMS AND CONDITION:**

#### **11.1 Price as Per Bid Document**

The Contract Price shall be paid in the manner specified in the BID DOCUMENT. No invoice for extra work/ change order on account of change order will be submitted by the Bidder unless the said extra work/ change order has been authorized/ approved by ORSAC in writing.

#### **11.2 Invoice Address To**

The Contractor's request for payment shall be made to Chief Executive, ORSAC in writing, accompanied by invoices, describing, as appropriate, the relevant component of the Solution performed, accompanied by all sign off documents by relevant ORSAC officials as well as any other documents as mandated by ORSAC.

#### **11.3 ORSAC Payment**

All payments shall be made by ORSAC in favor of the selected Bidder.

#### **11.4 Payment Measure**





The release of payments shall be progressive, and performance / output based as per the Payment Schedule given below, where the payments shall be made for measured deliverables and outputs on acceptance by ORSAC.

#### **11.5 Milestone Sign-Off**

The selected Bidder shall obtain sign-off for each milestone completed from the Purchaser and raise invoice against the same.

#### **11.6 Payment Timeline**

Payments shall be made promptly by ORSAC, no later than Forty-Five (45) days after submission of an invoice completed in all respect, and admission by ORSAC.

#### **11.7 Power To withhold**

Not with standing anything contained in the Payment Schedule mentioned below, if in the opinion of ORSAC, Project Implementing Agency is deficient in any manner in comparison to the prescribed standards, ORSAC shall be at liberty to withhold a reasonable portion of the payments due to the Bidder, till such work/ supply/ service is made conforming to the prescribed standards. These powers to withhold payments shall be without prejudice to any other power/ right of ORSAC under this Contract.

#### **11.8 Excess Payment**

If any excess payment has been made by ORSAC due to difference in quoted price in proposal and Bidder invoice, ORSAC may without prejudice to its rights recover such amounts by other means after notifying the Bidder or deduct such excess payment from any payment subsequently falling due to the Bidder.

#### **11.9 Project Currency**

The currency in which payment shall be made to the Contractor under this contract is Indian Rupees (INR).

#### **11.10 Payment Schedule**

All payments shall be made by ORSAC to the Contractor as per the following Payment Schedule. No payment will be released without submission of the necessary Performance Security for the entire project:

Progressive /Milestone based payment for Project will be regulated as under:

#### **11.11 Payment Milestone:**

##### **A. Capital cost towards application development**

Sl.	Milestones	Payment (% of the Capital Cost)
1.	Submission and approval of Software Requirement Specification (SRS) and System Design Document	10%
2.	Development of AI/ML Model and Provisioning of Database with flagging of Authorized and Unauthorized mining/ quarry areas and lease violations	25%
3.	Development of Web & Mobile based GIS application for monitoring of Odisha Minor Minerals (Both iOS & Android)	25%
4.	UAT certification	15%
5.	On completion of Security Audit and Training	5%
6.	After Go Live of the application	10%
7.	After Completion of warranty period of the application	10%
	<b>Total</b>	<b>100%</b>

**Note:** Annual Maintenance of "Development of Geo-ICT based Mapping and Monitoring of Minor Minerals in Odisha" for a period of 1 Years after completion of 1 Year of Free Warranty Period (maximum 14% of Development cost of Web & Mobile GIS application) shall be considered in the cost while evaluating the Financial Bid.

#### B. Recurring Cost:

The recurring cost towards Application maintenance for year-on-year basis after free warranty shall be released after completion of the AMC period.





## 12. Proforma/ Bid Submission Format

### **List of Proforma Forms for The Bidders:**

GF-1: BIDDER'S PROFILE

GF-2: BIDDER'S UNDERTAKING STATEMENT

GF-3: CERTIFICATE OF COMPLIANCE (NO CONFLICT OF INTEREST)

GF-4: CONFIDENTIALITY/ NON-DISCLOSURE UNDERTAKING

GF-5: PERFORMANCE BANK GUARANTEE

GF-6: FORMAT FOR QUERIES

GF-7: FORMAT OF AGREEMENT (SHALL BE SIGNED AFTER AWARD OF THE CONTRACT)

TF-1: TECHNICAL BID LETTER

TF-2: Experience in digital image processing using satellite data and satellite image-based validation at land parcel level (cadastral plot) for a minimum area of 50,000 sq.km. for any state government/ central government funded project in India for a value not less than Rs.10 crore.

TF-3: Experience in DGPS Survey for Natural Resource Management (Mines/Forest) for any State govt. organization in Odisha in last 5 years for a value not less than Rs. 2 Crore.

TF-4: Development & Commissioning experience in Enterprise Class GIS/ MIS systems for Govt. of Odisha currently in Live production environment for a project value not less than Rs.10 crore.

TF-5: List of IT professional on a regular payroll of the firm.

TF-6: List of Geoinformatics professional on a regular payroll of the firm.

CF-1: COMMERCIAL BID LETTER

CF-2: FORMAT FOR FINANCIAL BID



## GF-1: BIDDER'S PROFILE:

RFP No.

Name of Project: - **Selection of Agency to Undertake Development of Web GIS & Mobile based application for Mapping and Monitoring of Odisha Minor Minerals**

Sl. No.	Required Details of the Bidder	Bidder Response
1.	Name of the Bidder	
2.	Bidder registered office address Telephone number Fax number e-mail	
3.	Correspondence/ contact address And Escalation Mechanism with contact details	
4.	Details of contact person (Name, designation, address etc.) Telephone number Fax number e-mail	
5.	Is the bidder a registered c bidder? If yes, "submit documentary proof. Year and place of the establishment of the bidder	
6.	Former name of the bidder, if any.	
7.	Is the bidder? ➤ A Government/ Public Sector Undertaking? ➤ A proprietary bidder? ➤ A partnership bidder (if yes, give partnership deed)? ➤ A limited bidder or limited corporation? ➤ A member of a group of companies (if yes, give name and address, and description of other companies)? ➤ A subsidiary of a large corporation (if yes give the name and address of the parent organization) If the bidder is subsidiary, state what involvement if any, will the parent bidder have in the project?	
8.	Is the bidder registered for service tax with Central Excise Department (Service Tax Cell)? If yes, submit valid service tax registration certificate.	
9.	Attach the organizational chart showing the structure of the organization including the names of the directors and the position of the key officers. What is the total number of employees?	
10.	Number of years in the relevant field?	



11.	Is the bidder registered with any Government/ Department/ Public Sector undertaking? (if yes, give details)	
12.	How many years have your organization been in business under! your present name? What were your fields when you established your organization? When did you add new fields (if any)?	
13.	What type best describes your bidder? (Documentary proof to be submitted) - Manufacturer - Supplier  System Integrator Consulting Bidder Implementation Agency (pl. specify details) Software Development Total Implementation Agency (Design, Supply, Integration, etc.)	
14.	Please give details with contact no. of staff those will be involved in this project.	
15.	Number of offices / project locations in • India: • Odisha:	
16.	List the major projects of ORSACs with whom your organization has been/ is currently associated.	
17.	What is the total year of experience of handling Government projects?	
18.	Have you ever been denied RFPing facilities by any Government' Department/ Public sector Undertaking? (Give details)	
19.	Submit receipt of latest Income Tax Return filed with Income Tax Department and PAN no.	

Name of the Authorized signatory:

Bidder Seal: -

Signature:

## GF-2: BIDDER'S UNDERTAKING STATEMENT:

"Selection of Agency to Undertake Development of Geo-ICT based Mapping and Monitoring of Minor Minerals in Odisha" (RFP No..... /2025) We,

M/S

..... hereby confirm that we have read and understood the entire RFP Document and accordingly submitted our RFP as follows:

1. Commercial Proposal (Format of RFP, Schedule of Prices) in hard copy.
2. —Ditto- digital word/excel format — Total Pages .....
3. Technical Proposal consisting of the following documents in digital pdf format and hard copy:
  - a. .... Total pages
  - b. .... Total pages
  - c. .... Total pages
  - d. .... Total pages
  - e. .... Total pages
  - f. .... Total pages
4. We understand that the entire RFP document and the technical and commercial proposal including RFP circulars and addenda shall form part of the Contract Document and we undertake to sign and stamp each and every page of these documents if our offer is accepted.

Signed by duly Authorized signatory  
..... On behalf of  
M/S  
.....  
.....

**Bidder Stamp**

**Signature**

### GF-3; CERTIFICATE OF COMPLIANCE (NO CONFLICT OF INTEREST)

Bidder's Name...

Address: .....

.....

.....



.....  
We hereby certify and consider that the entity named above, including all members, partners and persons associated with it shall not have any corporate, commercial or other links, relationship or agreements with any of the entities who will be entrusted with Bidder for the project titled **"Development of Geo-ICT based Mapping and Monitoring of Minor Minerals in Odisha"** under the scope of this RFP.

(Authorized signatory): Name:

Designation:

Signed this ..... Day of ..... 2025 For the entity

Seal

#### GF-4: CONFIDENTIALITY/ NON-DISCLOSURE UNDERTAKING

This Confidentiality Undertaking (this "Undertaking") is made by [ ] a corporate entity registered under the laws of [ ], whose address is [ ] (hereinafter referred to as the "Recipient").

WHEREAS, the Recipient is entrusted to Bidder for the project titled **"Development of Geo-ICT based Mapping and Monitoring of Minor Minerals in Odisha"**

WHEREAS, ORSAC has agreed to make available to the Recipient certain information to enable the "Recipient" to carry out the required services.

NOW, THEREFORE, the Recipient undertakes the following:

1. The above preamble shall form an integral part of this Undertaking.

2. For the purpose of this Undertaking the term “Confidential Information” shall mean any and all information, data or records of ORSAC or entrusted to ORSAC by any third party presented, given, sent or delivered to the Recipient whether in print, text, writing, via computer diskettes, compact disks, computer files of all kinds, or through any other audiovisual, tangible or intangible medium whatsoever, and designated in writing by ORSAC or its affiliates or Employers or which, under the circumstances surrounding disclosure, ought to be treated as confidential and shall include but shall not be limited to, any and all information, data, records, statements, processes, formulae, techniques, financial, technical, operational, commercial, staff, management, sales strategies, desires, goals or expansions and other information, data and expertise of whatever kind of ORSAC, including all lists of potential or existing Employers or customers, organizational information, contracts or agreements, proprietary business or management methods, marketing data, fee schedules, know-how, designs, concepts, techniques, inventions and ideas, business plans, computer software and programs, database technologies, systems, structures and architectures, research projects or trade secrets of ORSAC or its affiliates or Employers and shall include all computer files, documents, data and analyses prepared by ORSAC or its agents or its affiliates or Employers, which contain or are based upon Confidential Information. Confidential Information shall also include any information which can be obtained by examination testing or analysis of any such hardware, any component or part thereof, and software or material samples, provided or given access to the Recipient by ORSAC.
3. The obligation to maintain the confidentiality of Confidential Information shall continue to apply for five years after signature of this Undertaking. However, the said obligation does not apply to following cases:
  - a) If the Confidential Information is generally available in the public domain (unless available as a result of breach of this Undertaking).
  - b) If the Confidential Information is lawfully in the Recipient’s possession (as evidenced by the Recipient’s written records) and was not acquired directly or indirectly from ORSAC:
  - c) If the disclosure of Confidential Information is required by any applicable law or by any supervisory or regulatory body to whose rules the Recipient is subject, or with whose rules it is necessary for the Recipient to comply.
4. If any proceedings are commenced or action taken which could result in it becoming compelled to disclose Confidential Information, the Recipient will, to the extent that it is lawfully able, immediately notify ORSAC of such proceedings or action in writing and will take all available steps to resist or avoid such proceeding or action, including all steps that may reasonably be requested by ORSAC and keep ORSAC fully and promptly informed of all matters and developments relating thereto. If the Recipient is obliged to disclose Confidential Information to any third party, the Recipient will disclose only the minimum amount of information consistent with satisfying its obligation. Furthermore, the Recipient will give prior written notice of the information it proposes to disclose, the notice containing a copy of the proposed disclosure, and will give ORSAC an opportunity to discuss the relevant notice prior to any disclosure.





5. The Recipient will immediately upon receipt of a written demand from ORSAC:
- a) Return to ORSAC all Confidential Information (and all and any copies thereof or of any part thereof);
  - b) Expunge all Confidential Information from any computer or other similar device and all documents, forms, diskettes, compact discs, computer files or other tangible or intangible item containing Confidential Information together with all relevant samples and models which it has in its possession into which it was entered by it or on its behalf or by its advisers or representatives or on their behalf; and
  - c) Destroy all notes, analysis or memoranda containing Confidential Information prepared by ORSAC or on its behalf or by its advisers or representatives or on their behalf,
6. The Recipient hereby expressly, unconditionally and irrevocably agrees that it shall:
- i. Hold ORSAC's Confidential Information in strict confidence to itself and restrict access to such Confidential Information to only its employees who need to know it and shall further ensure that any such employees are bound by the obligations of confidentiality as stated in this Undertaking, and to hold all Confidential Information of ORSAC in strict confidence.
  - ii. Treat such Confidential Information with at least the same care and precaution that the Recipient affords to its most confidential, valuable, and secret information.
  - iii. Not use, exploits, access or benefit from such Confidential Information for any reason or purpose whatsoever
  - iv. Not use such Confidential Information in any way detrimental to ORSAC (it being acknowledged that any use or exploitation by the Recipient of the Confidential Information for any purpose whatsoever other than its own internal and non-commercial use, will be deemed detrimental to ORSAC)
  - v. Not to copy, keep, preserve, store or retain in any medium whatsoever any Confidential Information of ORSAC for any reason whatsoever, to that effect, the Recipient hereby expressly undertakes that it shall immediately upon the request of ORSAC, destroy any and all of the Confidential Information of ORSAC, which the Recipient has received from ORSAC
  - vi. Release such Confidential Information to a concerned "Recipient Representative" requiring such information only after advance written notification to ORSAC stating the name, address, telephone number and relationship to the Recipient of such Recipient Representative, and notifying such Recipient Representative to whom any disclosure of the Confidential Information is made that the disclosure is made in confidence, that the Confidential Information must be kept in strict confidence by the Recipient Representative and that the Confidential Information as well as the Recipient Representative is subject to the terms of this Undertaking



- vii. Not to release, circulate, publish, expose, distribute, reveal, issue or disclose such Confidential Information through any medium or means whatsoever to any other person, persons, entity or entities without the prior express and explicit written consent of ORSAC, in which event the Recipient shall require such person or entity to enter into a confidentiality agreement acceptable to ORSAC.
  - viii. Take all reasonable steps to protect the Confidential Information from unauthorized access, production, publication, distribution, circulation, exposure, copying or disclosure by any party, in any manner, any means and any medium whatsoever.
  - ix. Comply with any and all instructions that ORSAC may issue in relation to the manner through which the Recipient may utilize the Confidential Information for the purposes of this article.
  - x. Notify ORSAC immediately upon discovery of any unauthorized use or disclosure of Confidential Information, or any other breach of this Undertaking by the Recipient and will cooperate with ORSAC in every way to help in regain possession of the Confidential Information and prevent any further unauthorized use of such.
7. The Recipient hereby expressly and unconditionally agrees that any and all of the terms, conditions and provisions contained within this Undertaking relating to the Confidential Information are of the essence, reasonable and necessary in order to protect ORSAC's business, reputation, best interests and goodwill. To that effect, the Recipient hereby expressly and unconditionally declares, understands and accepts that should the Recipient breach any of the term's conditions and/or provisions of this Undertaking, ORSAC shall suffer grave loss, damage and lost profits to its businesses, reputation, best interests and goodwill.
  8. The recipient acknowledges and agrees that damages would not be an adequate remedy for any breach of this undertaking and that either party shall be entitled to the remedies of injunction, specific performance and other equitable relief for any threatened or actual breach of any such undertaking.
  9. The Recipient hereby expressly and unconditionally understands and accepts that nothing in this Undertaking is intended to grant the Recipient any form of right, title or interest in or to any of the Confidential Information of ORSAC whatsoever, or to any invention, trade secret or intellectual property based thereon. By disclosing, presenting or providing Confidential Information to the Recipient, the Recipient fully and unconditionally understands and accepts that ORSAC does not grant any express or implied right interest or title to the Recipient or the Recipient Representative to any Confidential Information. This Undertaking shall be governed by and construed in accordance with the laws of Republic of India. Any dispute arising out of or in connection with this Undertaking shall be referred to the Hon'ble High court of Odisha.

..... Signed  
by authorized signatory of  
M/S .....  
(The Bidder)



#### GF-5: PERFORMANCE BANK GUARANTEE

(To be stamped in accordance with Stamp Act)

Ref:

Bank Guarantee No.

Date:

To,

The Chief Executive

Odisha Space Applications Centre, Government of Odisha.

Dear Sir / Madam,

WHEREAS ..... (Name of The Bidder) herein after called "the Bidder" has undertaken, in pursuance of Contract, dated ..... 2025 (hereinafter referred to as "the Contract") to Bidder for the project titled **"Development of Geo-ICT based Mapping and Monitoring of Minor Minerals in Odisha"** AND WHEREAS it has been stipulated in the said Contract that the Implementation Partner shall furnish a Bank Guarantee ("the Guarantee") from a nationalized bank for the sum specified therein as security for the project/performance of proposed solution as per the agreement. WHEREAS We..... ("The Bank", which expression shall be deemed to include it successors and permitted assigns) have agreed to give Odisha Space Applications Centre (ORSAC) the Guarantee. THEREFORE, the Bank hereby agrees and affirm as follows:

1. The Bank hereby irrevocably and unconditionally guarantees the payment of all sums due and payable by the Implementation Partner to ORSAC under the terms of their Agreement dated \_\_\_\_\_ on account of full or partial non-

implementation and/ or delayed and/ or defective implementation. Provided, however, that the maximum liability of the Bank towards ORSAC under this

2. In pursuance of this Guarantee, the Bank shall, immediately upon the receipt of a written notice from ORSAC stating full or partial non-implementation and/ or delayed and/ or defective implementation, which shall not be called in question, in that behalf and without delay/demur or set off, pay to ORSAC any and all sums demanded by ORSAC under the said demand notice, subject to the maximum limits specified in Clause 1 above. A notice from ORSAC to the Bank shall be sent by Registered Post (Acknowledgement Due) at the following address:

.....  
.....  
.....

3. This Guarantee shall come into effect immediately upon execution and shall remain in force for a period of 24 months from the date of its execution. However, the Guarantee shall, not less than 30 days, prior to its expiry, be extended by the Bank for a further period of 12 months. The Bank shall extend the Guarantee annually in the manner herein before provided for a period of five years from the date of issue of this Guarantee.
4. The liability of the Bank under the terms of this Guarantee shall not, in any manner whatsoever, be modified, discharged, or otherwise affected by:
- i) Any change or amendment to the terms and conditions of the Contract or the execution of any further Agreements.
  - ii) Any breach or non-compliance by the Bidder with any of the terms and conditions of any Agreements/credit arrangement, present or future, between Implementation Guarantee shall not, under any circumstances exceed Partner and the Bank.

The BANK also agrees that ORSAC at its option shall be entitled to enforce this Guarantee against the Bank as a Principal Debtor, in the first instance without proceeding against Implementation Partner and notwithstanding any security or other guarantee that ORSAC may have in relation to the Bidder's liabilities.

6. The BANK shall not be released of its obligations under these presents by reason of any act of omission or commission on the part of ORSAC or any other indulgence shown by ORSAC or by any other matter or thing whatsoever which under law would, but for this provision, have the effect of relieving the BANK.
7. This Guarantee shall be governed by the laws of India and only under the Appellate Jurisdiction of Hon'ble High court of Odisha, in the adjudication of any dispute which may arise hereunder.

Dated this the ..... Day of ..... 2025.

Witness



(Signature)

(Signature)

(Name)

Bank Rubber Stamp

(Name)

(Official Address)

Designation with Bank Stamp

Plus, Attorney as per Power of

Attorney No:

Dated:

Dated:



#### GF-6: FORMAT FOR QUERIES:

Bidders requiring specific points of clarification may communicate with ORSAC during the specified period using the following template in MS Word Files as per the enclosed format.

RFP No: ....

Name of Project: **"Selection of Agency to Undertake Development of Geo-ICT based Mapping and Monitoring of Minor Minerals in Odisha"**

Name of the Bidder:

Contact Address of the Bidder, with e-mail Id & Mobile No.

Sl. No.	Section No.	Page No.	Excerpt of RFP Clause	Query

Signature:

Name of the Authorized signatory:

Bidder seal:

**Note: Consolidated and only Relevant Pre-Bid Clarifications shall be issued by ORSAC. ORSAC is not bound to issue Clarifications to Individual queries.**

#### GF-7: FORMAT OF AGREEMENT (SHALL BE SIGNED AFTER AWARD OF THE ONTRACT)





1. THIS AGREEMENT made on the ..... Day Of .....  
20\_\_ BETWEEN; 1. ORSAC (hereinafter referred to as the "ORSAC"), having address at ..... represented by the .....  
(Which expression shall, unless repugnant to the context meaning thereof, include his successors, assignees) who is duly authorized by ORSAC to execute this agreement of the FIRST PART
2. M/S ..... whose registered office is at ..... and are duly registered as Implementation Bidder under the laws of Republic of India hereinafter referred to as "Bidder (SP)" (which expression shall, unless repugnant to the context or meaning thereof, include its successors and assigns) of the SECOND PART.

WHEREAS the ORSAC is desirous that the agreement be rendered in accordance with the Conditions of this Agreement as contained herein and the SP is willing and capable to render the said Services and has submitted an offer and the ORSAC has accepted the same for the following: Services: Bidder for the project titled "**Development of Geo-ICT based Mapping and Monitoring of Minor Minerals in Odisha**". NOW THESE PRESENT WITNESSES and it is hereby agreed and declared by and between the parties hereto as follows:

- i. In this Agreement the words and expressions shall have the same meanings as are respectively assigned to them in the Instruction to Bidders & RFP Forms, Special Conditions of Contract and General Conditions of Contract hereinafter referred to.
- ii. The following documents shall be deemed to form and be read and construed as part of them Agreement viz:
  - a. The RFP Document issued by ORSAC
  - b. The said Offer
  - c. Conditions of the Contract
  - d. The Appendices
  - e. Letter of Acceptance/Award
  - f. All pre-RFP circulars & addenda issued during the RFPing stage
  - g. All post-RFP clarifications, confirmations and correspondence (letters, faxes, emails) and minutes of meetings, in consideration of the payment to be made by the ORSAC to the SP as hereinafter mentioned, the SP hereby covers with the ORSAC to perform the Services in conformity in all respects with the provisions of this Agreement.

- ii. The ORSAC hereby covenants to pay the SP in consideration of the above Services the remuneration at the times and in the manner prescribed by this Agreement.
- iii. The Contract Sum for the Project has been agreed between the ORSAC and SP to be INR ..... The same amount shall be the value for the purpose of furnishing Professional Indemnity Insurance by the SP.

IN WITNESS whereof the parties hereto have hereunder set their respective hands and seal on the day and year first above written.

Signed by a duly authorized signatory for and on behalf of the ORSAC

M/S .....

Chief Executive, ORSAC

Signature  
(Name & Designation)

Signature  
(Name & Designation)

Witness

Witness

Signature

Signature





## TF-1: TECHNICAL BID LETTER

To,  
The Chief Executive  
Odisha Space Applications Centre, Government of Odisha.  
Reference. RFP No. ....

Letter no.

Dated .....

Sir,

1. We hereby offer to provide the Services at the prices and rates mentioned in the Financial Bid
2. We do hereby undertake, that, in the event of acceptance of our bid, the Services shall be provided as stipulated in the schedule to the Bid document and that we shall perform all the incidental services.
3. We enclose herewith the complete Technical Bid as required by you. This includes:
  - i) This Bid Letter
  - ii) Bid Particulars
  - iii) Documents in support of Technical Bid Evaluation Criteria
  - iv) Details of the proposed solution, proposed Methodology & Timeline We agree to abide by our offer for a period of 180 days from the actual date of opening of the Technical

Bids and that we shall remain bound by a communication of acceptance within that time.

We have carefully read and understood the terms and conditions of the RFP and the conditions of the Contract applicable to the RFP and we do hereby undertake to provide services as per these terms and conditions. Certified that the RFPer is a Bidder and the person signing the RFP is the duly constituted attorney. Bid Security (Earnest Money) for an amount equal to Rs. \_\_\_\_\_ (Rs. \_\_\_\_\_ Lakhs Only) is enclosed in the cover containing Part-I of the bid.

We do hereby undertake, that, until a formal contract is prepared and executed, this bid, together with your written acceptance thereof or placement of letter of intent awarding the contract, shall constitute a binding contract between us.

Dated this \_\_\_\_\_ Day of 2025 (Signature) (In the capacity of)

Duly authorized to sign the RFP Response for and on behalf of: (Name and Address of Bidder)  
Seal/Stamp of Bidder

Witness Signature:

Witness Name:

Witness Address:



**TF-2: Experience in development & commissioning of Enterprise Class GIS/ MIS systems for Govt. of Odisha currently in Live production environment for a project value not less than Rs.10 crore.**

Sl.	Client	Project	Value (in Rs. Lakhs)	Project Start & End Date	URL Address	Refer Supporting Documents
1.						
2.						

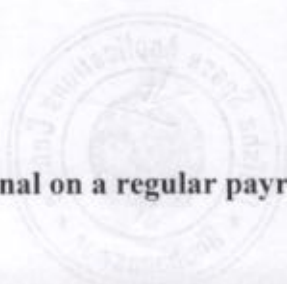
**TF-3: Experience in HRSI based image analysis (GeoAI) & validation for a project value not less than Rs.50 Lakh.**

Sl.	Client	Project	Value (in Rs. Lakhs)	Project Start & End Date	Refer Supporting Documents
1.					
2.					

**TF-4: Experience in preparation of bi-lingual GIS / geodatabase. *Preference shall be given for such experience involving Odia Language.***

Sl.	Client	Project	Value (in Rs. Lakhs)	Project Start & End Date	Refer Supporting Documents
1.					
2.					

**TF-5: List of IT professional on a regular payroll.**





Sl.	Name	Qualification	Yrs. of Exp.	EPF Code	ESI Number
1					
2					

**TF-6: List of Geoinformatics professional on a regular payroll.**

Sl.	Name	Qualification	Yrs. of Exp.	EPF Code	ESI Number
1					
2					

Signature

Seal



## CF-1: COMMERCIAL BID LETTER

To,  
The Chief Executive  
Odisha Space Applications Centre  
Government of Odisha

Ref. RFP No.....

Sir,

1. We hereby offer to provide the Services at the prices and rates mentioned in the Commercial Bid in CF2
2. We enclose herewith the complete Commercial Bid as required by you. This includes:
  - i. This Bid Letter
  - ii. Price Schedule

We agree to abide by our offer for a period of 180 days from the actual date of opening of the Technical Bid and that we shall remain bound by a communication of acceptance within that time. We have carefully read and understood the terms and conditions of the RFP and the conditions of the Contract applicable to the RFP and we do hereby undertake to provide services as per these terms and conditions.

Herewith we consider undertaking the mark as per the RFP documents without any objection in time,

Dated this Day of..... 2025 (Signature) (In the capacity of)

Duly authorized to sign the RFP Response for and on behalf of:

(Name and Address of Bidder) Seal/Stamp of Bidder

Witness Signature:

Witness Name:

Witness Address:





## CF-2: FORMAT FOR FINANCIAL BID

Commercial Bid for "Development of Geo-ICT based Mapping and Monitoring of Minor Minerals in Odisha"

Sl.	Item of work	Unit	Quantity	Unit Rate (in Rs.)	Amount (in Rs.)
A.	<b>CAPITAL COST</b>				
A1	Development of Web GIS & Mobile based application for Mapping and Monitoring of Odisha Minor Minerals	LS	1		
<b>Sub-total of Capital Cost (A)</b>					
B	<b>RECURRING COST per year</b>				
B1	Annual Maintenance for Development of Web GIS & Mobile based application for Mapping and Monitoring of Odisha Minor Minerals after completion of 1 Year of Free Warranty Period.	Per year	1		
<b>Sub-total of recurring cost amount (B)</b>					
<b>Total Amount (A+B)</b>					
<b>Add GST @ 18%</b>					
<b>Grand Total including GST</b>					
<b>In words, Rupees _____</b>					

Signature

Seal of the Bidder

For  Chief Executive



