

**REQUEST FOR PROPOSAL FOR SELECTION OF SYSTEM INTEGRATOR FOR DEVELOPMENT OF GEOPORTAL,
PROCUREMENT OF SATELLITE IMAGERIES AND CLOUD SERVICE**

**REQUEST FOR PROPOSAL FOR Selection of System Integrator FOR DEVELOPMENT OF GEOPORTAL, Delivery of
Satellite Imagery and cloud service**

RFP Reference No.: 01/2904/A.B-5/System-Geo Portal/2026

Request for Proposal (RFP)

For

**SELECTION OF SYSTEM INTEGRATOR FOR DEVELOPMENT OF GEOPORTAL, PROCUREMENT OF SATELLITE
IMAGERIES AND CLOUD SERVICE**

Issued By:

Awasthi Bandhu Uttar Pradesh

**REQUEST FOR PROPOSAL FOR SELECTION OF SYSTEM INTEGRATOR FOR DEVELOPMENT OF GEOPORTAL,
PROCUREMENT OF SATELLITE IMAGERIES AND CLOUD SERVICE**

Disclaimer

This Request for Proposal (RFP) document for Development & Implementation of Geoportal (hereinafter referred to as the "Project") contains brief information about the scope of work and qualification process for the selection of Bidder. The purpose of the RFP Document is to provide the Bidder/s with information to assist the formulation of their proposals (hereinafter referred to as the "Proposal/s").

This RFP is not an agreement and is neither an offer by the Awas Bandhu to the prospective Bidder or any other person. The purpose of this RFP is to provide interested parties with information that may be useful to them in making their Financial Bids pursuant to this RFP. While all efforts have been made to ensure the accuracy of information contained in this RFP Document, this document does not purport to contain all the information required by the Bidders. The Bidders should conduct their own independent assessment, investigations and analysis and should check the reliability, accuracy and completeness of the information at their end and obtain independent advice from relevant sources as required before submission of their Proposal. Awas Bandhu or any of its employees or existing advisors shall incur no liability under any law, statute, rules or regulations as to the accuracy or completeness of the RFP Document. The Awas Bandhu reserves the right to change any or all conditions/ information set in this RFP Document by way of revision, deletion, updating or annulment through issuance of appropriate addendum as the Awas Bandhu may deem fit without assigning any reason thereof.

The Awas Bandhu, UP reserves the right to accept or reject any or all Proposals without giving any reasons thereof. The Awas Bandhu, UP will not entertain or be liable for any claim for costs and expenses in relation to the preparation of the Proposals to be submitted in response to this RFP Document.

Information provided in this RFP to the Bidder (s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. Awas Bandhu accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein.

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Abbreviation	Full Form
BG	Bank Guarantee
BoM	Bill of Material
BOQ	Bill of Quantities
CA	Chartered Accountant
CMMi	Capability Maturity Model Integration
COTS	Commercial Off the Shelf
CSP	Cloud Service Provider
CV	Curriculum Vitae
DR	Disaster Recovery
EMD	Earnest Money Deposit
ERP	Enterprise Resource Planning
GIGW	Guidelines for Indian Government Websites
GoI	Government of India
GST	Goods and Services Tax
GUI	Graphical User Interface
HQ	Headquarter
ICT	Information and Communication Technology
IEEE	Institute of Electrical and Electronics Engineers
INR	Indian Rupee
ISO	International Organization for Standardization
IT	Information Technology
ITeS	Information Technology enabled Services
LAN	Local Area Network
LD	Liquidated Damages
LLP	Limited Liability Partnership
LoA	Letter of Acceptance
LoI	Letter of Intent
MAF	Manufacturer's Authorization Form
MeitY	Ministry of Electronics and Information Technology

**REQUEST FOR PROPOSAL FOR SELECTION OF SYSTEM INTEGRATOR FOR DEVELOPMENT OF GEOPORTAL,
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MIS	Management Information System
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Abbreviation	Full Form
O&M	Operations and Maintenance
OEM	Original Equipment Manufacturer
PBG	Performance Bank Guarantee
PoA	Power of Attorney
PSU	Public Sector Undertaking
QCBS	Quality cum Cost Based Selection
RAID	Redundant Array of Independent Disks
RFP	Request for Proposal
SI	System Integrator
SLA	Service Level Agreement
STQC	Standardization Testing and Quality Certification
UAT	User Acceptance Testing
VM	Virtual Machine
WAF	Web Application Firewall

**REQUEST FOR PROPOSAL FOR SELECTION OF SYSTEM INTEGRATOR FOR DEVELOPMENT OF GEOPORTAL,
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1. Data Sheet

1	Name of the Bid	PROPOSAL FOR SELECTION OF SYSTEM INTEGRATOR FOR DEVELOPMENT OF GEOPORTAL FOR Awas Bandhu
2	Time-period of contract	36 Months - One year implementation and Two (2) years of Operations and Maintenance (O&M) period
3	Method of selection	QCBS
4	Bidding in Consortium/Joint Venture	Allowed. A consortium member shall be associated with only one Prime Bidder for participation in the bid.
4	Tender Processing Fee	Non Refundable Rs.30,000.00 (Inclusive of GST) (Rupees Thirty thousand only)
5	Earnest Money Deposit	Refundable Rs.1,00,00,000.00 (Rupees One Crore only) (through RTGS /NEFT only) <ul style="list-style-type: none"> • Go to e-tender website • Fill the details in the form and select payment type- Tender Fee/ EMD/ Security deposit with other details. • Post validating, click on "Proceed" button. • Bidder will get the options to pay through Credit/ Debit Card/ Net Banking/ NEFT/ RTGS Challan Mode • For NEFT/ RTGS Challan mode, after generating the Challan bidder needs to initiate NEFT/ RTGS through their bank as per the Beneficiary Details are provided in section 2.2.15
6	Performance Security	5% of the Project Value in form of PBG/FDR (Section 4.8)
7	Financial Bid to be submitted together with Technical Bid	YES
8	Name of the Awas Bandhu's official for addressing queries and clarifications	Mr Anil Tewari , I.T. Specialist Awas Bandhu ; e-mail id : awasbandhu@gmail.com
9	Proposal Validity Period & Work Completion	180 Days from Last date of Bid submission

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Schedule of BIDDING PROCESS		
	Task	Key Dates
10	Bid Start Date	June 12, 2026
	Last date of sending queries	June 22, 2026
	Pre-Bid Conference	June 25, 2026
	Response to Pre-bid Queries	June 27, 2026
	Proposal Due Date (PDD)/ Bid End Date	July 18, 2026
	11	Opening of Technical Bid Presentation
12	Opening of Financial Bid	To be informed later
13	Issuance of Letter of Award (LOA)	To be informed later
14	Signing of Agreement	To be informed later

- Detailed descriptions and instructions for submitting the proposal can be downloaded from e-tender website (<https://www.etender.up.gov.in>).
- Bids along with necessary online payments (Tender Processing Fee, Document Fee and EMD) must be submitted through portal <https://www.etender.up.gov.in> before the date and time specified in the NIT/RFP. The department/Tenderer Awas Bandhu doesn't take any responsibility for the delay / Non-Submission of Tender / Non-Reconciliation of online Payment caused due to Non availability of Internet Connection, Network Traffic/ Holidays or any other reason."
- The EMD of unsuccessful bidders will be returned through RTGS/NEFT after execution of agreement with successful agency or completion of Bid validity period whichever is earlier.
- The bidder shall sign on the supporting statements, documents, certificates and on being uploaded by him, owning responsibility for their correctness/authenticity. The bidder shall attach all the required documents for the specific tender after uploading the same during the bid submission as per the tender notice and bid document.
- Conditional Bids shall be out-rightly rejected.
- **Pre-Bid Meeting:** AWAS BANDHU shall receive and respond to Pre-Bid queries of prospective bidders as per the scheduled date and time as mentioned in the above Data Sheet point number 10. The bidders are requested to send their consolidated queries to the e-mail address, as specifically mentioned in the above table, **only once and within stipulated time as mentioned.** Further queries sent by the bidders or queries sent at the last moment may not be entertained.
- **AWAS BANDHU will host a Pre-Bid meeting as per the scheduled date and time as mentioned in the above table of Data Sheet in this RFP.** AWAS BANDHU may incorporate any changes in the RFP based on acceptable suggestions received in pre-bid queries. The decision of AWAS BANDHU regarding acceptability or rejection of any suggestion or modification requested, shall be final in this regard and shall not be called upon to question under any circumstances. The response to the queries shall be conveyed by way of hosting amendments/ clarifications on the websites (<https://www.etenders.up.gov.in>) and <https://www.awasbandhu.in> and no bidders/participant would be intimated individually about the responses of AWAS BANDHU.
- The purpose of the pre-bid meeting is to provide the prospective bidders with information

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regarding the business process of AWAS BANDHU, the RFP and the project requirements and to provide each bidder with an opportunity to seek clarification regarding any aspect of the RFP and the Project.

- **Note: The queries should necessarily be submitted in the following format with editable file (in word or excel only) only, else the queries may not be entertained by AWAS BANDHU:**

Organization Name:			
Name of representative:			
Designation:			
E Mail Address:			
S.N.	RFP Document reference, Section and Page No.	Content of RFP requiring clarification(s)	Points of clarification(s)

For support related to e-tendering process, bidders may contact at following address: “e-Procurement HELP DESK. Toll Free Number: 1800 Toll Free Number: 0120-4001002, 0120-4001005,0120- 4 4 9 3 3 9 5

- **Corrigendum/ Addendum/ amendments** if any, will be published on the departmental website <https://www.awasbandhu.in/> and e-Procurement, Uttar Pradesh <https://www.etenders.up.gov.in> itself. All such corrigendum/ addendum/ amendments shall be binding on all the bidders. The bidders are also advised to visit the aforementioned website on regular basis for checking of corrigendum/ addendum/ amendments, if any.
- **Proposal Evaluation Committee (PEC)** : Committee formed at Awas Bandhu which will evaluate all the bids received against RFP and decision of PEC with regards to selection and evaluation will be final and binding.
- **Monitoring Committee:** A monitoring committee comprising members from the Awas Bandhu will actively participate during the Bidder identification, implementation and handover process. All payments to vendor will require official approval of the ERP committee.
- The hosting of the solution designed will be the responsibility of Awas Bandhu
Kindly note that the selection of agency under this RFP will not guarantee allocation of work and AWAS BANDHU will assume no liability or cost towards it. AWAS BANDHU makes no commitments, express or implied, that this process will result in a business transaction between anyone.

SD/-

**Director,
Awass Bandhu
Uttar Pradesh**

2. Instruction to Apply

2.1 General Instructions

2.1.1 Number of Proposals and respondents

1. No Bidder shall submit more than one (1) Proposal, in response to this RFP
2. The RFP is non-transferable, and Proposals shall be submitted only by the respective Bidders to whom the RFP has been issued by Awas Bandhu
3. The RFP is non-transferable, and Proposals shall be submitted only by the respective Bidders to whom the RFP has been issued by Awas Bandhu

2.1.2 Proposal concerning preparation cost

1. The Bidders shall bear all costs associated with the preparation and submission of the Proposal. Awas Bandhu will not be responsible and liable for any costs, regardless of the conduct or outcome of the Proposal/process.
2. Bidders are encouraged to submit their respective Proposals after visiting the office of the Client and ascertaining for themselves the availability of documents and other data with the Client, Applicable Laws and regulations or any other matter considered relevant by them
3. All papers submitted with the Proposal are neither returnable nor claimable

2.1.3 Right to accept and reject any or all Proposals

1. Notwithstanding anything contained in this RFP, Awas Bandhu reserves the right to accept or reject any Proposal and to annul the bidding process and reject all the Proposals, at any time without any liability or obligation for such acceptance, rejection or annulment, without assigning any reason.
2. Awas Bandhu reserves the right to reject any Proposal if:
 - I. At any time, a material misrepresentation is made or discovered, or
 - II. The Bidder/s do/does not respond promptly and diligently to requests for supplemental information required for the evaluation of Proposals, or
 - III. The Bidder does not adhere to the formats provided in the Annexure A to the RFP while furnishing the required information/details

2.1.4 Clarifications

1. Bidders are encouraged to inform themselves fully about the assignment and the local conditions before submitting the Proposal by paying a visit to the UP Awas Bandhu and the Project site, sending written queries to the Awas Bandhu, and attending a Pre-Bid Conference
2. Bidders requiring any clarification on the RFP may send their queries to the Client by email at the mail-id provided in communications details in the Data Sheet with subject clearly written the following identification:
“Queries/Request for Additional Information concerning RFP to undertake Implementation of Enterprise Resource Planning (ERP)”
3. The Client shall endeavor to respond to the queries within the period specified therein but no later than 7 (seven) days prior to the PDD. The Client will post the reply to all such queries on the tender portal.

4. The Client reserves the right not to respond to any queries or provide any clarifications, in its sole discretion, and nothing in this Clause 2.1.4 shall be construed as obliging the Client to respond to any question or to provide any clarification.

2.1.5 Amendment of the RFP

1. At any time prior to the Proposal Due Date (PDD), the Awas Bandhu, for any reason, whether at its own initiative or in response to a clarification requested by eligible Bidder/s, may modify the RFP by issuance of an addendum. Such amendments shall be uploaded on the e-procurement website <http://etender.up.nic.in> through a corrigendum and this shall form an integral part of the E-Bid/Proposal document. The relevant clauses of the e-bid/Proposal document shall be treated as amended accordingly. It shall be the sole responsibility of the prospective Bidder to check the above-mentioned websites from time to time for any amendment in the RFP document/s. The Awas Bandhu shall not be responsible for failure to get/download the amendments
2. In order to provide the Bidders a reasonable time to examine the addendum, or for any other reason, Awas Bandhu may, at its own discretion, extend the PDD.

2.1.6 Data identification and collection

1. It is desirable that the Bidders submit their Proposal/s after verifying the availability of the data, information and/or any other matter considered relevant.
2. It would be deemed that by submitting the Proposal, the Bidder has:
 - I. Made a complete and careful examination and accepted the RFP in totality;
 - II. Received all relevant information requested from Awas Bandhu and;
 - III. Made a complete and careful examination of the various aspects of the indicative Scope of Work.
3. Awas Bandhu shall not be liable for any mistake or error on the part of the Bidder in respect of the above

2.2 Preparation, submission, opening & acceptance of Proposals/e-bids

2.2.1 Language and currency

1. The Proposal and all related correspondence and documents should be written in the English language. Supporting documents and printed literature furnished by the Bidders with the Proposal may be in any other language provided that they are accompanied by appropriate translations of the pertinent passages in the English language. Supporting materials, which are not translated into English, may not be considered for evaluation. For the purpose of interpretation and evaluation of the Proposal, the English language translation shall prevail.
2. The currency for the purpose of the Proposal shall be the Indian National Rupee (INR).

2.2.2 Proposal validity period and extension

1. Proposals shall remain valid for a period of as mentioned in the data sheet from the Proposal Due Date ("Proposal Validity Period") and Awas Bandhu may solicit the Bidder's consent for extension of the period of validity, if required. Awas Bandhu reserves the right to reject any Proposal, which does not meet this requirement.
2. In exceptional circumstances, prior to expiry of the original Proposal Validity Period,

Awas Bandhu may request Bidders to extend the validity period for specified additional period. Bidders, who may not extend the validity period, will deem to have withdrawn their Proposal at the expiry of validity period.

2.2.3 Format and signing of Proposals

1. The Bidders shall prepare electronic copies of the technical and financial e-bid/ Proposals separately.
2. Bidders should provide all the information as per the RFP and in the specified formats. Awas Bandhu reserves the right to reject any Proposal that is not in the specified formats
3. In case the Bidders intends to provide additional information for which specified space in the given format is not sufficient, it can be furnished in duly stamped and signed PDFs.

2.2.4 Submission of e-bid/Proposal

1. The bid submission module of e-procurement website <http://etender.up.nic.in> enables the Bidders to submit the Proposal online in response to this RFP published by the Awas Bandhu. Submission can be done till the Proposal Due Date specified in the RFP. Bidders should start the process well in advance so that they can submit their Proposal in time. The Bidder should submit their Proposal considering the server time displayed in the e- procurement website. This server time is the time by which the submission activity will be allowed on the Proposal Due Date indicated in the RFP schedule. Once the submission date and time has passed, the Bidders cannot submit their Proposals. For delay in submission of Proposal due to any reasons, the Bidders shall only be held responsible
2. The Bidders have to follow the following instructions for submission:
 - I. For participating through the e-tendering system, it is necessary for the Bidders to be the registered users of the e-procurement website <http://etender.up.nic.in>. The Bidders must obtain a user login ID and password by registering themselves with U.P. Electronics Corporation Ltd. (UPLC), if they have not done so previously.
 - II. In addition to the normal registration, the Bidder has to register with his/her Digital Signature Certificate (DSC) in the e-tendering system and subsequently he/she will be allowed to carry out his/her e-bid/Proposal submission activities. Registering the DSC is a one-time activity. Before proceeding to register his/her DSC, the Bidder should first log on to the e-tendering system using the user login option on the home page with the login ID and password with which he/she has registered.
 - III. For successful registration of DSC on e-procurement website <http://etender.up.nic.in> the Bidder must ensure that he/she should possess class-2/class-3 DSC issued by any Certifying Authorities approved by Controller of Certifying Authorities, Government of India, as the e-procurement website <http://etender.up.nic.in> is presently accepting DSC issued by these authorities only. The Bidder can obtain user login ID and perform DSC registration exercise above even before E-Bid/Proposal submission date starts. The Awas Bandhu shall not be held responsible if the Bidder fails to submit his/her e-bid/Proposal before the Proposal Due Date due to DSC registration problem.
 - IV. The Bidder can search for active tenders through "search active tenders" link, select a tender in which he/she is interested in and then move it to 'My Tenders'

folder using the options available in the e-bid submission menu. After selecting the tender, for which the Bidder intends to e-bid/Proposal, from "My tenders" folder, the Bidder can place his/her e-bid/Proposal by clicking "pay offline" option available at the end of the view tender details form. Before this, the Bidder should download the RFP document including financial format and study them carefully. The Bidder should keep all the documents ready as per the requirements of RFP document in the PDF format.

- V. After clicking the 'pay offline' option, the Bidder will be redirected to terms and conditions page. The Bidder should read the terms & condition before proceeding to fill in the Bid Processing Fee offline payment details. After entering and saving the Bid Processing Fee details form so that "Bid document preparation and submission" window appears to upload the documents as per technical and financial schedules/packets given in the tender details. The details of the RTGS should tally with the details available in the scanned copy and the date entered during e-bid/Proposal submission time otherwise the e-bid/Proposal submitted will not be accepted.
- VI. Before uploading, the Bidder has to select the relevant DSC. He may be prompted to enter the DSC password, if necessary. For uploading, the Bidder should click "browse" button against each document label in technical and financial schedules/packets and then upload the relevant PDF files already prepared and stored in the Bidder's computer.
- VII. The Bidder should click "Encrypt" next for successfully encrypting and uploading of required documents. During the above process, the e-bid/Proposal documents are digitally signed using the DSC of the Bidder and then the documents are encrypted/locked electronically with the DSC's of the bid openers to ensure that the e-bid/Proposal documents are protected, stored and opened by concerned bid openers only.
- VIII. After successful submission of e-bid/Proposal document, a page giving the summary of e-bid submission will be displayed confirming end of e-bid/Proposal submission process. The Bidder can take a printout of the bid summary using the "print" option available in the window as an acknowledgement for future reference.
- IX. Awas Bandhu reserves the right to cancel any or all e-bids/Proposals without assigning any reason.

2.2.5 Deadline for submission

1. E-bid/Proposal (technical and financial) must be submitted by the Bidder at e-procurement website <http://etender.up.nic> no later than the time specified on the Proposal Due Date. The Awas Bandhu may, at its discretion, extend this deadline for submission of Proposal by amending the RFP document, in which case all rights and obligations of the Awas Bandhu and Bidders previously subject to the deadline will thereafter be subject to the deadline, as extended.

2.2.6 Latesubmission

1. The server time indicated in the bid management window on the e- procurement website <http://etender.up.nic.in> will be the time by which the e-bid/Proposal submission activity will be allowed till the permissible date and time scheduled in the e-tender. Once the e-bid/Proposal submission date and time is over, the Bidder cannot submit his/her e-bid/Proposal. Bidder has to start the bid submission well in advance so that the submission process passes off smoothly. The Bidder will only be held responsible if his/her e-bid/Proposal is not submitted in time due to any of his/her problems/faults, for whatsoever reason, during the e-bid/Proposal submission process.

2.2.7 Withdrawal and resubmission of Proposal

1. At any point of time, a Bidder can withdraw his/her Proposal submitted online before the Proposal Due Date. For withdrawing, the Bidder should first log in using his/her login ID and password and subsequently by his/her DSC on the e-procurement website <http://etender.up.nic.in> The Bidder should then select "My bids" option in the bid submission menu. The page listing all the bids submitted by the Bidder will be displayed.

Click "View" to see the details of the bid to be withdrawn. After selecting the "bid withdrawal" option, the Bidder has to click "Yes" to the message- "Do you want to withdraw this bid?" displayed in the bid information window for the selected bid. The Bidder also has to enter the bid withdrawing reasons and upload the letter giving the reasons for withdrawing before clicking the "Submit" button. The Bidder has to confirm again by pressing "OK" button before finally withdrawing his/her selected e-bid/Proposal.

2. No e-bid/Proposal may be withdrawn in the interval between the Proposal Due Date and the Proposal Validity Period. Withdrawal of an e-bid/Proposal during this interval may result in the Bidder's forfeited of his/her e-bid/Proposal security.
3. The Bidder can re-submit his/her e-bid/Proposal as when required till the e-bid submission end date and time. The e-bid/Proposal submitted earlier will be replaced by the new one. The payment made by the Bidder earlier will be used for revised e-bid and the new e-bid submission summary generated after the successful submission of the revised e-bid will be considered for evaluation purposes. For resubmission, the Bidder should first log in using his/her login Id and password and subsequently by his/her digital signature certificate on the e-procurement website <http://etender.up.nic.in>. The Bidder should then select "My bids" option in the bid submission menu. The page listing all the bids submitted by the Bidder will be displayed. Click "View" to see the detail of the e-bid to be resubmitted. After selecting the "bid resubmission" option, click "Encrypt & upload" to upload the revised e-bids documents.
4. The Bidder can submit their revised e-bids/Proposals as many times as possible by uploading their e-bid documents within the scheduled date & time for submission of e-bids/Proposals.
5. No e-bid can be resubmitted subsequently after the deadline for submission of e-bids.

2.2.8 Verification and Disqualification

1. The Awas Bandhu reserves the right to verify all statements, information and documents submitted by the Bidder in response to the RFP or the Bidding Documents and the Bidder shall, when so required by the Awas Bandhu, make available all such information, evidence and documents as may be necessary for such verification. Any such verification, or lack of such verification, by the Awas Bandhu shall not relieve the Bidder of its obligations or liabilities hereunder nor will it affect any rights of the Awas Bandhu thereunder.

2. The Awas Bandhu reserves the right to reject any Bid and appropriate the Bid Security if:
 - a) at any time, a material misrepresentation is made or uncovered, or
 - b) the Bidder does not provide, within the time specified by the Awas Bandhu, the supplemental information sought by the Awas Bandhu for evaluation of the Bid.

3. Such misrepresentation/ improper response shall lead to the disqualification of the Bidder. If such disqualification / rejection occurs after the Bids have been opened and the Highest Bidder gets disqualified / rejected, then the Awas Bandhu reserves the right to:
 - a) invite the remaining Bidders to submit their Bids in accordance with Section 3 and 4; or
 - b) take any such measure as may be deemed fit in the sole discretion of the Awas Bandhu, including annulment of the Bidding Process.

2.2.9 Selection of the Bidder

1. From the time the Proposals are opened to the time the contract is awarded, if any Bidder wishes to contact the Awas Bandhu, on any matter related to their Proposal it should do so in writing. Any effort by the Bidders to influence any officer or bearer of the Awas Bandhu in the Proposal evaluation or contract award decisions may result in the rejection of the Bidder's Proposal.

2.2.10 Proposal Opening

1. All technically qualified bids shall be eligible for opening of their financial bid post Concept presentation. A date, time and venue will be notified to all Bidders for announcing the result of evaluation and opening of Financial Bid. The opening of Financial Bid shall be done in presence of respective representatives of Bidders who choose to be present.
2. Bidders are advised that selection shall be entirely at the discretion of the Awas Bandhu. Bidders shall be deemed to have understood and agreed that the Awas Bandhu shall not be required to provide any explanation or justification in respect of any aspect of the selection process.
3. Any information contained in the Proposal shall not in any way be construed as binding on the Awas Bandhu, its agents, successors or assigns, but shall be binding against the Bidder if the service is subsequently awarded to it.

2.2.11 Confidentiality

1. Information relating to the examination, clarification, evaluation and recommendation for the shortlisted Bidder/s shall not be disclosed to any person not officially concerned with the process
2. After opening of the Proposals, no information relating to the examination, clarification, evaluation and comparison of Proposals and recommendations concerning the award of contract shall be disclosed to Bidders or their representatives, if any. Any effort by a Bidder to exert undue or unfair influence in the process of examination, clarification, evaluation and comparison of Proposal/s shall result in outright rejection of the offer, made by the said Bidder.

2.2.12 Tests of responsiveness

1. Prior to evaluation of the Proposals, Awas Bandhu will determine whether each Proposal is responsive to the requirements of the RFP. The Proposals shall be considered responsive if:
 - I. It is received or deemed to be received by the due date and time including any extension thereof pursuant to the Data Sheet.
 - II. It contains all information as desired in this RFP.
 - III. Information is provided as per the formats specified in the RFP.
 - IV. Bids are accompanied with Bid Processing Fee (non-refundable) and EMD as specified in the Date Sheet of this RFP.
2. Awas Bandhu reserves the right to reject any Proposal which is non-responsive and no request for alteration, modification, substitution or withdrawal shall be entertained by Awas Bandhu in respect of such Proposal.

2.2.13 Clarifications sought by Awas Bandhu.

1. To assist in the process of evaluation of Proposals, Awas Bandhu may, at its sole discretion, ask any Bidder for clarification on its Proposal. The request for clarification and the response shall be in writing. No change in the substance of the Proposal would be permitted by way of such clarifications.

2.2.14 Proposal evaluation

1. Submissions from Bidders would first be checked for responsiveness as set out in Clause 2.2.12. All Proposals found to be substantially responsive shall be evaluated as per the Eligibility Criteria set out in Clause 4.1 of this RFP.
2. The Proposal containing the Technical Details in Clause 4.2 of the Bidder/s who do not meet the Technical Criteria shall not be considered for further process.

2.2.15 Earnest Money Deposit

- The Bid document should be accompanied with an Earnest Money Deposit (EMD) as mentioned in the data sheet of this document.
- EMD should be submitted in the form of RTGS(which can be adjusted against the Performance Bank Guarantee, if needed) The Payment Transfer related information is as

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follows :

- a) Name of Bank : HDFC Bank Ltd.
 - b) Account Name : Awas Bandhu
 - c) Account No : 00781000210255
 - d) IFSC Code : HDFC0000078
 - e) MICR Code : 226240002
 - f) Bank Address : 31/31, MG Marg, Hazaratganj, Lucknow, U.P.
- Any e-Bid not secured in accordance with above shall be treated as non-responsive and rejected by the Awas Bandhu.
 - For unsuccessful Bidder's EMD will be returned after finalization of tender and signing of agreement with successful bidder.
 - For successful Bidder's e-Bid EMD will be returned after submission of Performance Security in form of FDR and signing of the contract.
 - The EMD may be forfeited:
 - a) If Bidder (i) withdraws its e-Bid during the period of e-Bid validity specified by the Bidder on the e- bid form: or (ii) does not accept the correction of errors or (iii) modifies its e-Bid price during the period of e-Bid validity specified by the Bidder on the form.
 - b) In case of a successful Bidder, if the Bidder fails to sign the contract with the Awas Bandhu.

2.2.16 AwardCriteria

1. The final Letter of Award (LoA) will be given to the selected Bidder as the successful bidder as Evaluation Criteria of Bids laid in Section 4 of this bid document.
2. The Awas Bandhu will award the contract to the successful Bidder whose bid has been determined to be responsive to all the conditions of the contract and meeting the eligibility requirement of the bidding document.

2.2.17 Notification of Award

1. Prior to the expiration of the period of e-Bid validity, the Awas Bandhu will notify the successful Bidder in writing, by letter/e-mail/fax, that its e-Bid has been accepted.
2. The notification of award will constitute the formation of the contract.

2.2.18 Performance Security

1. Prior to award of contract, to fulfil the requirement of performance security during the implementation period, the successful Bidder will deposit Performance Security amount equivalent to as mentioned in the Data Sheet of the financial Bid value in the form of Bank Guarantee / FDR drawn on any Scheduled or Nationalized Bank in favor of AWAS BANDHU valid for two months after completion of the Project.
2. Before the contract is awarded to the Bidder/s, an agreement (to be given later) will have to be signed by the Bidder/s at his cost on proper stamp paper.

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3. Terms of reference

3.1 Introduction

Awas Bandhu” was created in 1997 as an apex institution under the Housing and Urban Planning Dept. to oversee the performance of housing sector and coordinate the activities of subordinate department/agencies viz. Town & Country Planning Dept. U.P., Development Authorities and U.P. Housing & Development Board.

Awas Bandhu intends to create a proper GIS Portal (Geoportal) that will publish the Master Plans of the state, along with a change detection of the illegal development and encroachments in the Urban areas of the state.

The Bids should be submitted in two covers i.e. technical and financial. The first bid cover (cover-1) will consist of the bid cost fee, EMD and a technical bid without any reference to prices and the second bid cover (cover-2) will consist of their financial bid only. The Financial bids should be submitted in the format prescribed in the bid document. The Financial bids submitted in any other format will be summarily rejected.

3.2 Objectives and Outputs

The proposed terms of reference and scope of work will ensure meeting following objectives for the department:

- Procurement of Satellite Imagery
- Procurement of Cloud Infrastructure
- Implementation of a robust, scalable Enterprise GIS platform
- A Geoportal for all the Development Authorities of the state of Uttar Pradesh to visualize their Master Plans.
- Aggregation of Development Authorities’ Spatial and related non-spatial data e.g. Master Plan, GIS Layers, Satellite Images, Drone Data etc.
- Development and deployment of database model unifying data from different Development Authorities with necessary security, control and performance.
- Integration of Cadastral Data as available from the Development Authorities/Board of Revenue.
- The Public Portal for Grievances on Master Plans
- The Public Portal to visualize the existing and Master Plan uses with attached permissibility rules and indeed Byelaws
- API based integration with FASTPASS/ Prevalent online building plan approval system
- CLU integration by state and development authority and incorporation of CLU orders in the master plan
- Integration with existing PRAVARTAN portal using the API at both ends
- Mobile Application shall be Integrated with CLIU platform for detailing feature includes Khatauni, Map, provision of Bylaws, landuse master plan, zoning regulation
- API integration with existing ERP for new Projects
- Development of Android based mobile application for field activities against the detected changes in Development Area
- Change Detection for any Construction which is unauthorized to be verified by integrating the APIs of Building permission given by the respective development authorities.
- Establishing a Project Management Unit (PMU) for two years post development of the geoportal

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- Capacity Building of Development Authorities

3.3 Scope of Work

The key activity under the scope of work is to establish a robust enterprise GIS Platform (Geoportal) to support the activities of publishing Master Plans and also act as a portal for change detection workflow. The proposed Enterprise GIS Suite will need to be configured to create Geoportal for publishing Master Plans, and Land Cover Change Detection Analysis using Artificial Intelligence/Machine Learning (AI/ML) based approaches.

Establishing a robust GIS platform is a critical step toward enhancing spatial data management, analysis, and decision-making for urban planning and development. By integrating diverse geospatial datasets and providing advanced visualization and analytical tools, the GIS platform will empower stakeholders to efficiently monitor, manage, and plan urban growth, infrastructure, and resources. This initiative will lay the foundation for data-driven governance, improved transparency, and more effective coordination among various departments and agencies involved in urban development.

Configuration and customization will be required to utilize the platform for the purposes of creation of various GeoHub. Post Go-Live of applications the System Integrator to provide Application Operation and Maintenance support for a period of 24 Months and will function as a PMU. The list of services includes:

3.3.1 Some of the key activities envisaged to meet this requirement include the following:

- Procurement of Satellite Imagery
- Procurement of Cloud Infrastructures
- Development of Geoportal with Change detection Application. For change detection the base imagery (Imagery that has been used for master plan preparation) as procured shall be used.
- SI will perform the change detection for the period of 24 Months post application roll out

3.3.2 Geoportal Creation

3.3.2.1: Creation of Geo-Portal for Development Authorities of the State of Uttar Pradesh to visualize the Master Plans:

- Creating a Web Application for the Public to visualize the Master Plan of the Selected Development Authority.
- Each Master Plan (in GIS data format), to be provided by UP Awas Bandhu, will be Overlaid on the Cadastral Data to be Provided by Awas Bandhu/TCPD UP/Board of Revenue
- The Master Plans will be Overlaid on High Resolution Satellite Image Base Map to visualize the current land use.
- The Public shall be able to click on any Cadastral layer to see what is the Proposed Master Plan Landuse of his parcel.
- Public shall also be able to Raise the grievance related to the Landuse.

Each Master Plan shall be published into segregated Layers of Land uses. The Geo-Portal to have following Widgets:

- Zoom Level information granularity

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- Attribute Data
- Base Map Gallery
- Chart Widget
- Info summary Widget
- Layers
- Legend
- Measurement
- Print
- Scalebar
- Search
- Select

3.3.2.2: Overlay of all the Layout Plans Post 2016 on the Master Plans:

- All the Layout Maps Prepared after 2016 in Shape files or CAD with Latitude and Longitude (to be provided by Development Authorities) has to be uploaded on the Master Plan Layers.
 - All Layout Maps (Georeferenced data in GIS format) Prepared before 2016 should have provision to include
- The Zonal Regulations for Type of Uses that are permissible on the Landuse (to be provided development Authority for each type of Use, which the public may view as attribute)
- If there are any building regulations in New Layout Plans that may be linked as a PDF with Landuse

3.3.2.3: Dashboards of Grievances for Departmental Use:

- These are to be Prepared for Departmental Uses showing the Grievances that are registered for Masterplan Land uses by Public.
- It will have the Option to Select the Development Authority with User Login and then all the grievances List

3.3.2.4 Dashboards:

- Map showing all the Cities and Towns of Uttar Pradesh with thematic representation of Cities of different Hierarchies (represented in different size of Points) and thematic map of those cities whose Master Plans are already Prepared.
- On Clicking on the Cities whose master Plan are already prepared, their master Plan Development Status under different town planning sections of UP. (to be provided by TCPO in Excel Format)

3.3.2.5: Unauthorized Construction Detection using AI ML Technology:

- Solution is to be implemented for 11271 Sqkm with Pilot implementation(5101 Sqkm) out

of 29 development authorities using temporal Images of two different Period. The solution provided should be state of the art system which shall comply with but limited to the following specifications.

3.3.2.6 Data & Detection:

- Perform AI-based change detection using multitemporal datasets
- Maintain an updated basemap of administrative layers: Boundary/land-use/zoning, etc.
- Accuracy of the AI enabled Change detection of the buildings shall be 80% for each cloudless image.

3.3.2.7 GIS Web Application:

- Permit reconciliation: The Location of all the buildings as point data, which has Approved and Sanctioned Buildings are to be marked as GIS layers through API based Integration with FASTPAS (Fast and Simplified Trust-Based Plan Approval System) to be integrated on GIS Map of Development Authority.

3.3.2.8 Dynamic data updates without re-publishing or code changes.

There should be widget-based architecture to allows complex, multi-panel, responsive apps.

- Data versioning, traceability, and audit logs to be integrated with Web App
- Attribute-level editing control and data masking is required at Enterprise Level.
- Supports feature-level caching and tile-based rendering.
- Generate quarterly reports via application.
- Quality targets (acceptance criteria as per Industry Standard):
 - ❖ Precision $\geq 75\%$, Recall $\geq 80\%$ on a stratified validation set agreed during UAT.
 - ❖ Median detection latency (imagery receipt flagged site) ≤ 7 working days.
 - ❖ False-positive rate $\leq 5\%$.
 - ❖ Proven AI model performance: Precision $\geq 80\%$ and Recall $\geq 80\%$ achieved on prior government-validated deployments for similar use cases.

3.3.2.9 Advanced deep learning stack of GIS Platform

- AI-driven algorithms shall automatically compare current satellite imagery against baseline maps, identifying unauthorized construction promptly and triggering actionable alerts using ready to use tools of GIS Platform.
- A robust configurable decision support system (DSS) shall provide query-based, interactive dashboards empowering timely decision-making and efficient inter-departmental coordination.
- A clear accountability mechanism to be established, mandating departments validate and address alerts within specified timeframe, institutionalizing rapid response and streamlined governance processes statewide.
- The GIS platform shall have inbuilt ML environments or custom code

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- GeoAI shall automatically understand spatial reference systems, projections, topology, and geometry relationships while training or predicting.
- The Platform shall allow GeoAI inference on cloud-hosted imagery directly.
- Shall Supports GPU processing in the browser

3.3.2.10 Advanced Suitability & Environmental Analysis

- **Weighted Suitability Modeling:** The GIS platform must provide a dedicated suitability analysis tool to identify optimal parcels for development (e.g., housing, green space). It should support the combination of multiple criteria—such as zoning attributes, proximity to transport, and building age—using a weighted scoring system (0-10 scale/ 0-100%) to generate interactive heatmaps.
- **Dynamic Criteria Reclassification:** Users shall have the ability to reclassify original data values into common suitability scales directly within the browser (e.g., reclassifying "distance to park" into a suitability score) without requiring external data processing.
- **In-Editor Environmental Analysis:** The planning interface must include a consolidated "Analysis Mode" providing ready to use real-time tools, including:
 - **Shadow Casting:** Capability to calculate cumulative shadow duration and discrete shadow panels for specific date ranges (e.g., "Right to Light" compliance).
 - **Viewshed & Line of Sight:** Tools to analyze visible and non-visible areas from specific observer points to preserve heritage view corridors.
 - **Elevation Profiling:** Ability to generate terrain cross-sections to assess slope and constructability.
 - **Persistent Results:** The system should allow users to save these analysis configurations (e.g., specific observer points) as list items associated with the plan.

3.3.2.11: Satellite Data Procurement:

- Procurement of 50 cm multi-temporal satellite imagery for Unauthorized Construction Change Detection under the project.
- **Area of Interest (AOI):** Development authorities of Uttar Pradesh (i.e., 11271 km²). AOI shall be provided by the department in .shp/.kml file
- In future department may procure 30 cm multi-temporal satellite imagery. Application should support 30 cm imagery also. The cost of this should be incurred by department separately.

Scope (First Year)

1. Change Detection – (Year 1)

Phase 1:

- One Archived satellite image (time period as advised by the Department) to be used as baseline. Total 11271 SqKm. (AOI will be provided on request)
- One Fresh Tasking image (50 cm or better resolution at GSD). Total 5101 Sqkm. (AOI will be provided on request)

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Phase 2:

- One Fresh Tasking image (50 cm or better resolution at GSD) of balance 6170 SqKm. (AOI will be provided on request)

Phase 3:

- Areas with major changes (Department will provide details later) in multiple 25 Sqkm areas, if required.

Scope (Second Year & Third Year):

Phase 1:

- Two Fresh Tasking image (50 cm or better resolution at GSD). Total 11271 Sqkm. (AOI will be provided on request)

Phase 2:

- Areas with major changes (Department will provide details later) in multiple 25 Sqkm areas, if required.

2. Technical Specifications:

Sl. No.	Parameter	Description
1	Name of the shape file	29 Development Authorities of State of UP
2	Size of the shape file in sq. km. (Archive One Set)	~11271 SqKm
3	Product Type	High Resolution Ortho Ready Imagery
4	Resolution	50 cm. The imagery needs to be collected using satellite sensors capable of capturing imagery at better than 50cm GSD at nadir.
5	Bands (Specify the number bands)	4 Band (RGB, NIR) bundle ortho-ready data
6	Period of interest	<ul style="list-style-type: none"> • Archive: One set of imagery of 2025 or older 2026 (Minimum 90% coverage should be there at the time of bidding) • Tasking: One set of imagery should be acquired annually, excluding the monsoon season (July–September), resulting in a total of three imagery sets during the period 2026–2028.
7	Acceptable Cloud %	<15%
8	Acceptable Off Nadir Angle (ONA) in deg.	<30 degrees
9	Delivery Media	DVD/Hard Drive/ FTP
10	Datum/Projection	WGS84/ Geographic
11	Format	GeoTIFF
12	Bit Depth	16 bit
14	Resampling Kernel	Default kernel

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15	End Application	Change Detection in Urban
16	Any other additional/Specific requirements	<p>As this is a time bound project, the Satellite Owner/OEM should be capturing imagery at better than 50 cm GSD at nadir to ensure timely coverage of the AOI. Constellation datasheet / brochure from OEM must be provided as supporting document</p> <p>Coverage report of archive imagery must be provided on OEM letterhead. URL of website from OEM with coverage report also needs to be provided as supporting information.</p> <p>Manufacturer Authorization Letter (MAF) must be provided on OEM letterhead</p> <p>Technical compliance and Feasibility report needs to be submitted by OEM on letter head.</p> <p>Provision should be there to task an individual polygon / area of 25 Sq.KM size without applying additional minimum order quantity</p>

Important Clarification

- a. The SI/ bidder shall be responsible for procurement of satellite imagery for the First Year second and third year as per scope mentioned above.

3.3.2.12 Tentative KPI of Dashboard (Web GIS)

- Dashboards shall be dynamic with real time visualization as per filters of Date/Sectors
- Filters Sector wise, Time period wise number of Building Plan Approved
- Filters Sector wise number of encroachments/Illegal constructions detected
- Filters Sector wise number of encroachments/Illegal constructions verified
- Total Area under illegal construction/encroachment
- Every chart, gauge, indicator, and list shall be directly linked to a GIS feature layer, not a static dataset.
- Spatial filters (zoom, pan, select) shall instantly update all widgets via real-time spatial queries.
- No separate data preparations or joins shall be made. The Feature Services in map shall drives all analytics
- The Platform shall be capable of analytical services (e.g., drive-time, heat maps, clustering) directly on dashboard data
- Out of Box Cross-filtering between map, chart, and table views Cross-filtering between map, chart, and table views Cross-filtering between map, chart, and table views Cross-filtering between map, chart, and table views.
- Every widget shall be spatially linked:
 - Selecting a district on the map filters charts, lists, and indicators instantly.

→ Clicking a category in a chart filters the map view dynamically.

- Operational KPIs: detections, verification rate, closure rate, TAT by stage, collection rate, sector wise heatmaps.

Impact KPIs: incremental revenue realized, reduction in detection-to action Time, compliance by zone.

- Scheduled weekly/monthly reports executive summary dashboard.

3.3.2.13: Mobile Apps for Verification of Encroachments by Development Authority Officials:

- The mobile App has to be linked with Enterprise Dashboard for Updation of the verification status
- The mobile App has to be User Based for all Development Authorities in the state.
- The App shall have role-based access, sharing permissions, and data privacy settings automatically.
- Mobile App shall Facilitate high-accuracy mapping, editing, and navigation
- It shall allow structured, form-based data capture
- Mobile App shall facilitate one-tap rapid data collection
- It shall have workflow for task assignment and crew coordination
- Tracker → field staff location tracking All apps share one common data schema, identity, and map service backend — no sync conflicts or manual data merging.
- Mobile App shall have watermark for data location authentication
- Mobile App shall work in Online as well as offline Mode
- Shall be capable of cross-platform apps (Android, iOS, Windows, Mac, Linux) from GIS content.
- Integrations: The Enterprise GIS platform shall be capable of following Integrations:
 - ❖ Integration with CLIU platform for detailing feature includes Khatauni, Map, provision of Bylaws, landuse master plan, zoning regulation
 - ❖ APIs to read/write with internal systems of multiple Development Authorities.
 - ❖ The required support for API integration with existing applications shall be provided by the concerned Application vendors. (Pravartan and Fastpass/Prevalent online building plan approval system)

Exports: CSV/Excel, Shapefiles and raster files for maps.

Fully compatible with Python API and Arcade scripting for logic-based indicators.

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3.3.2.14 Governance, Security & Compliance

- ❖ System generated Audit logging (who viewed/edited/approved), immutable case history, and chain-of-custody for evidence.
- ❖ Adherence to applicable national remote sensing/data policies and departmental IT /security guidelines.
- ❖ Dashboards respect GIS role-based access, sharing permissions, and data privacy settings automatically.
 - Users see only what their account is allowed to access.
 - Supports SSO, LDAP, Active Directory

3.3.2.15 Performance, Availability & Support

- The High Level GIS Enterprise architecture to be designed
- Core components of GIS platform can scale independently.
- GIS Application shall support 100 concurrent users and millions of spatial transactions in real-time across multiple departments.

3.3.2.16. Support SLAs:

- SLA will be as per the SI's scope of work and it will be finalized with the winning bidder

3.3.3 Cloud Hosting and Managed Services

- Cloud Offering: The bidder shall provide GIS Infrastructure on MeitY approved Cloud for three (3) years
- Professional Services: System Architecture- Plan, design, and deploy multi-machine GIS Enterprise production environment on Cloud and other required environments required like Development and Staging.
- Design highly secured, reliable, and scalable GIS Enterprise for Awas Bandhu to support the proposed workflows.
- Create and implement database and GIS Enterprise backup strategy.
- Execute upgrades, and migrations as per the agreed recommendations and cycles.

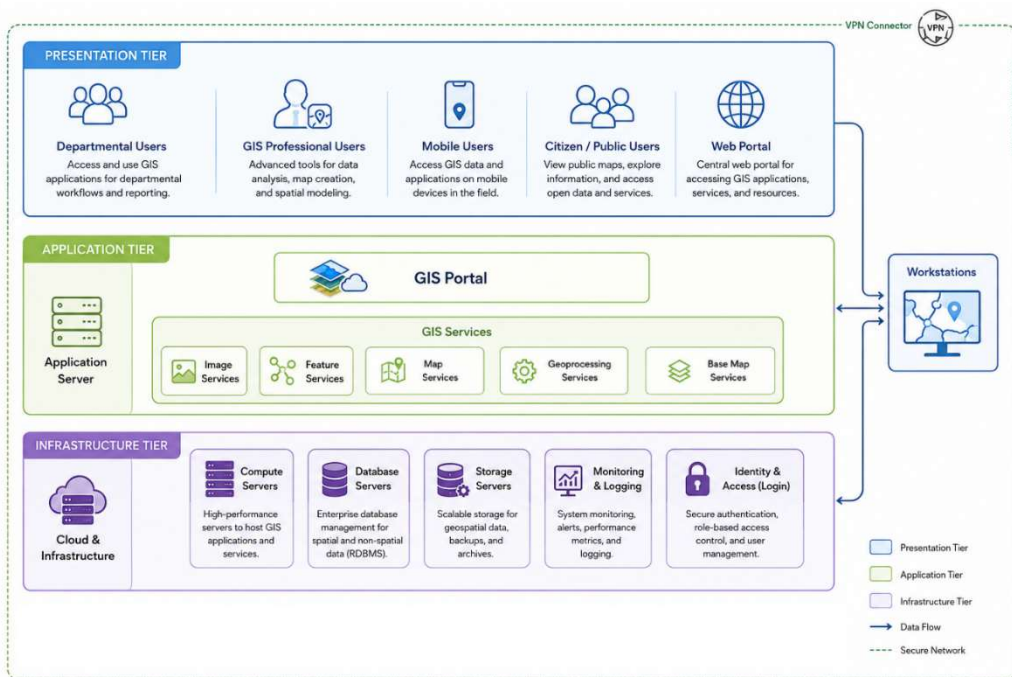
Cloud Infra:

The proposed GIS Software and Geoportal solution should be deployed on a secure, scalable, and government-compliant cloud infrastructure environment (MeitY empaneled Cloud Service Provider or State Data Centre, as applicable). The bidder shall design and implement a cloud architecture based on industry best practices, ensuring high availability, redundancy, elasticity, and fault tolerance. The infrastructure shall support horizontal and vertical scaling to accommodate increasing data volumes, concurrent users, and future integration requirements. The solution shall include load balancing, auto-scaling mechanisms, containerized or virtualized deployment architecture, and dedicated environments for Development, Testing, Staging, and Production. Robust security controls such as network segmentation, Virtual Private Cloud (VPC), role-based access

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control (RBAC), multi-factor authentication (MFA), encryption of data at rest and in transit, firewall configuration, intrusion detection/prevention systems (IDS/IPS), and regular security audits shall be mandatory. The bidder shall also ensure automated backup, disaster recovery with defined RPO/RT0, centralized logging, performance monitoring dashboards, and compliance with applicable Government of India cybersecurity guidelines and data governance policies.

Logical Diagram of the Proposed Cloud Infra along with Sizing details.



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Proposed Server Sizing for Production Environment											
#	Server Role	Business Application	OS	Workstation / VM Qty.	VCPUs / VM (1:2)	RAM (in GB) per machine	GPU in GB	OS Sizing (Recommended) IN GB	Additional Storage (SSD) in GB	Storage in (TB) - Shared Storage	Storage in (TB) - Object Storage
		Name	Name								
1	Web Server	IIS	Windows Server 2025 Standard and Datacentre	1	8	32		250	500	5 TB (Initial Size)	20 TB (Initial Size)
2	Portal Server	Enterprise GIS Portal		1	8	32		250	500		
3	GIS Server	Enterprise GIS Server		1	16	256		250	750		
4	Raster Processing Server	Enterprise Raster Processing Server		1	8	64	8 (For Raster Analytics, Optional)	250	750		
5	Data Store Server	Enterprise Data Store Server		1	8	64		250	750		
6	Database Server	PostgreSQL 17.5 (64 bit)		1	8	64		250	1000(Initial Size)		
7	GIS Workstation on-Cloud	GIS Desktop	Windows 11 Home, Pro, and Enterprise (64 bit)	1	-	128	12	NVIDIA RTX A2000	1000		
8	GIS Workstation (AI Workflows) on-Cloud	GIS Desktop	Windows 11 Home, Pro, and Enterprise (64 bit)	2	-	256	48	NVIDIA RTX 2000 Ada	5000		
9	Additional components to be consider	Layer - 7 LB (1), ILB (2), NAT Gateway (1), WAF, Network Firewall (Optional), VPN (10), Antivirus (18).									

Proposed Server Sizing for Staging Environment										
#	Server Role	Business Application	OS	Workstation / VM Qty.	VCPUs / VM (1:2)	RAM (in GB) per machine	GPU in GB	OS Sizing (Recommended) IN GB	Additional Storage (SSD) in GB	Storage in (GB) - Object Storage
		Name	Name							
1	Web Server	IIS	Windows Server 2025 Standard and Datacentre	1	8	32		250	500	1000 (Initial Size)
2	Portal Server	Enterprise GIS Portal		1	8	32		250	500	
3	GIS Server	Enterprise GIS Server		1	16	32		250	500	
4	Raster Processing Server	Enterprise Raster Processing Server		1	8	32		250	500	
5	Data Store Server	Enterprise Data Store Server		1	8	32		250	500	
6	Database Server	PostgreSQL 17.5 (64 bit)		1	8	32		250	500 (Initial Size)	
7	GIS Workstation (AI Workflows) on-Cloud	GIS Desktop	Windows 11 Home, Pro, and Enterprise (64 bit)	1	-	256	16	250	1000	
8	Additional components to be consider	NAT Gateway, Antivirus (6)								

3.34 Establishment of Project Management Unit

- The Government of Uttar Pradesh intends to establish a centralized Project Management Unit (PMU) to coordinate, manage and monitor the Master Plan Geoportal and undertake Change Detection Analysis for mentioned areas within 29 development authorities across the State of Uttar Pradesh.
- The PMU will act as a technical and coordination body between the State Government and the Development Authorities to ensure standardized GIS data management, spatial planning digitization, web-based geoportal deployment, and periodic AI based land-use change monitoring.

3.3.4.1 PMU Establishment

- During the O&M period, the SI will deploy a team to oversee the O&M and also to function as a PMU for a period of 2 year, extendable annually up to 2 additional years, subject to performance and project requirements.
- The Project Management Unit (PMU) shall remain fully functional and operational throughout the entire Operations and Maintenance phase of the project after Go-Live. The PMU shall be responsible for overseeing, managing, and coordinating all development, enhancement, integration, and support activities undertaken during the O&M period.
- During the O&M phase, the PMU shall ensure the following:
 - Continuous monitoring of system performance, stability, and service levels.
 - Oversee ongoing application development, customization, and feature enhancements as required by the Authority.
 - Coordination with OEMs, third-party vendors, and internal stakeholders for issue resolution and system upgrades.
 - Ensuring adherence to Service Level Agreements (SLAs), security protocols, and data governance standards.
 - Supervision of bug fixing patch updates, version upgrades, and integration with additional modules or external systems.
 - Documentation of all changes, updates, and configurations carried out during the OEM phase.
 - Coordination and capacity building
- The Project Manager and GIS Expert shall be deployed on the project from the Project Start Date and shall remain engaged continuously until the end of the O&M period. Their roles shall include strategic oversight, technical supervision, quality assurance, stakeholder coordination, and ensuring alignment of system development with the Authority's operational requirements.

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- The presence of these key personnel throughout the project lifecycle, including the O&M phase, shall be mandatory to ensure continuity, knowledge retention, accountability, and seamless execution of project objectives

3.3.4.5 Reporting

- Monthly progress reports.
- Quarterly progress reports.
- Annual consolidated report.

Note: UP Awas Bandhu / client will provide the SI with the following:

- 1) GIS enabled Master Plans
- 2) Geo referenced Cadastral Maps
- 3) High Resolution Satellite Imagery(If available)
- 4) Other GIS Datasets
- 5) Hardware
- 6) Software and Licenses

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3.3.4.5.1 Development Team Structure

S. No.	Position	Quantity	Deployment	Minimum Qualification	Experience
1	GIS Technical Project Manager	1	Onsite/Offsite	B.E./B. Tech/MCA/MSc/ M. Tech/ MPhil / MBA / Urban Planner/ Masters in Geoinformatics/ GIS/ Remote Sensing or equivalent	Minimum 10+ years of relevant work experience in Geospatial Industry and expertise in Urban data management or in similar domain.
2	GIS Data Analyst	1	Onsite/Offsite	B.E/B. Tech/M. Sc./MCA/M. Tech/ Masters in Geoinformatics/ GIS/ Remote Sensing or an equivalent from recognized Indian University	5+ Years of relevant experience in the field of Geospatial Data Analytics, QA/QC in ArcGIS Data Reviewer, Web Service publishing in the ArcGIS Pro platform.
3	Remote Sensing Expert	1	Onsite/Offsite	B.E/B. Tech/M. Sc./M. Tech in CS/Remote Sensing/ Geoinformatics or an equivalent from recognized Indian University	5+ Years of relevant experience in maintaining high resolution satellites imagery and software tools like ERDAS, ArcGIS, etc.
	GIS Developer	2	Offsite	B.E/B. Tech/M. Sc./MCA/M. Tech/ Masters in Geoinformatics/ GIS/ Remote Sensing or an equivalent	5+ years of relevant experience in the field of Web GIS Application Development in ArcGIS Enterprise OR Industry Standard GIS Platform or equivalent COTS platform. Expertise in Web GIS development including languages and frameworks relevant to Web GIS,

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					such as HTML5, CSS3, JavaScript (TypeScript, React, Redux, Jimu, JSX), ArcGIS Maps SDK for JavaScript, ArcGIS REST JS, ArcGIS Maps SDK for Python, Python API for ArcGIS etc.
5	Quality Analyst	1	Offsite	B.E./B. Tech/M. Sc./MCA/M. Tech/ MBA/ Masters in Geoinformatics/ GIS/ Remote Sensing or an equivalent from recognized Indian University	3+ Years of relevant experience in the field of Geospatial Data Analytics, QA/QC in ArcGIS Data Reviewer, Web Service publishing in the ArcGIS Pro platform.
6	Consultant Delivery Expert	1	Onsite	B.E./B. Tech/ MCA/M. Sc./M. Tech / MBA/ Urban Planner / Masters in Geoinformatics/ GIS/ Remote Sensing or an equivalent	Min. 5+ years in Web GIS Application Architecture Designing and Implementation, Installing, Configuring and Maintaining the Web GIS System, and experience in maintaining system security and troubleshooting issues across services and supporting the resolution of incidents
7	GIS Data Scientist	1	Onsite/Offsite	B.E./B. Tech/M. Sc./MCA/M. Tech/ Masters in Geoinformatics/ GIS/ Remote Sensing or an equivalent	Minimum 3+ years in managing geospatial databases and GIS data handling, Experience in GIS data Analysis using ArcGIS Pro and

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					Extensions and visualization, QA/QC of GIS data, Handon knowledge on Python, ArcPy etc.
8	GIS Mobile App Developer	1	Offsite	B.E./B. Tech/M. Sc./MCA/M. Tech/ Masters in Geoinformatics/ GIS/ Remote Sensing or an equivalent	Minimum 5+ years' experience in custom GIS based Mobile application development in the Android and iOS platform. Hand on Experience in ArcGIS Survey 123, ArcGIS Field Maps
9	AI & ML Expert	1	Offsite	B.E./B. Tech/M. Sc./MCA/M. Tech/ Masters in Geoinformatics/ GIS/ Remote Sensing/Computer Science or an equivalent	Minimum 5+ years of experience in designs, builds, and deploys machine learning models and intelligent systems to solve complex business problems, Handon knowledge on Python Library, Jupiter Notebook

Resume to be shared by the bidder during bid submission

3.3.4.6 O&M Team Structure

SL No	Position	Quantity	Minimum Qualification		Experience
1	GIS Project Manager	1	B.E./B. Tech/MCA/MSc / M. Tech/ MPhil/ MBA/ Urban Planner / Masters in Geoinformatics / GIS/ Remote	Onsite	10+ years of relevant work experience in Geospatial Industry and expertise in Urban data management or in similar domain.

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			Sensing or equivalent		
2	GIS Data Analyst	1	B.E./B. Tech/M. Sc./MCA/M. Tech / Masters in Geoinformatics / GIS/ Remote Sensing or an equivalent from recognized Indian University	Onsite	5+ Years of relevant experience in the field of Geospatial Data Analytics, QA/QC in ArcGIS Data Reviewer, Web Service publishing in the ArcGIS Pro platform..
3	Remote Sensing Expert	1	B.E./B. Tech/M. Sc./M. Tech in CS/Remote Sensing/ Geoinformatics or an equivalent from recognized Indian University	Onsite	5+ Years of relevant experience in maintaining high resolution satellites imagery and software tools like ERDAS, ArcGIS, etc.
4	GIS Developer	1	B.E./B. Tech/M. Sc./MCA/M. Tech/ Masters in Geoinformatics / GIS/ Remote Sensing or an equivalent	On site	5+ years of relevant experience in the field of Web GIS Application Development in ArcGIS Enterprise OR Industry Standard GIS Platform or equivalent COTS platform. Expertise in Web GIS development including languages and frameworks relevant to Web GIS, such as HTML5, CSS3, JavaScript (TypeScript, React, Redux, Jimu, JSX), ArcGIS Maps SDK for JavaScript, ArcGIS REST JS, ArcGIS Maps SDK for Python, Python API for ArcGIS etc.
7	Consultant Delivery Expert	1	B.E./B. Tech/ MCA/M. Sc./M. Tech/ Masters in Geoinformatics / GIS/ Remote Sensing or an equivalent	On site	5+ years in Web GIS Application Architecture Designing and Implementation, Installing, Configuring and Maintaining the Web GIS System, and experience in maintaining system security and troubleshooting issues across services and supporting the resolution of incidents

3.3.4.5 Roles and Responsibilities
a. GIS Project Manager

- Overall project delivery.
- Technical supervision and quality assurance.
- Project scheduling and milestone monitoring.
- Administrative coordination.
- Meeting documentation
- Communication management across 29 authorities

b. GIS Data Analysts

- Data Synchronization and validation.
- Spatial data cleaning and topology checks.
- Geo-database management.

c. Remote Sensing Expert

- Satellite image processing.
- Change detection modelling.
- Accuracy assessment and reporting.

d. GIS Developer

- Geoportal architecture design.
- Web GIS development (Map services, APIs, dashboards).
- Maintenance and troubleshooting.

e. IT and Database Expert

- Maintaining the database
- Provide IT support

f. Quality Analyst

- Validation of requirement
- Writing the test cases verification and validation of development

g. Consultant Delivery Expert

- Requirement and feasibility analysis
- Sanitization and Validation of data and requirement
- Overall Monitoring of progress and deliveries
- Point of contact between Development Authorities and SI team ~~PMU Team~~

h. GIS Data Scientist

- Geospatial Data Management

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- Spatial Modelling and prediction
- Spatial Analysis and Queries
- Advanced Analytics

i. GIS Mobile Developer:

- Mobile mapping and application development
- Field data collection and management
- Offline mapping capability development
- Spatial analysis and custom GIS tools

j. AI/ML Expert:

- AI/ML based model development
- Data engineering and processing
- Deployment and MLOps

Note-For PMU set-up required sitting space, internet connectivity and the environment for maintaining the geoportal will be provided by the department.

4. Eligibility and Evaluation Criteria

4.1 Eligibility Criteria

Proposals not complying with the minimum eligibility criteria are liable to be rejected and will not be considered for evaluation of technical bid. The proposal should adhere to the following minimum eligibility criteria

Section	Eligibility Criteria	
Company Profile (Legal Entity)	should be a Company registered under applicable Indian Companies Act 1956 or 2013 (and amendments thereafter, if any). OR A partnership firm registered under applicable Indian Partnership Act, or amendments there on. OR A Limited Liability Partnership registered under applicable Indian Limited Liability Partnership Act, or amendments thereon.	- Copy of Registration OR - Copy of Certificates of incorporation OR - Partnership Deed / evidence of registration of partnership
	The Bidder should have office(s) in Lucknow on the date of bid publication	The bidder should submit proof of office location in Lucknow on the date of Bid Publication or submit an undertaking to open an office in Lucknow within 30 days of getting the work order.

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	The Bidder should hold a valid Goods and Service Tax registration certificate (GST) and Permanent Account Number (PAN) issued by the Income Tax Department.	Copy of GST Registration Certificate and Permanent Account Number (PAN)
	The Bidder should not have been blacklisted or banned by any state/central govt. department/ agency/ PSU in India as on Bid Publication date.	Self-Declaration Letter duly signed by authorized signatory on company letter head as per format provided in Bidding Forms
	Affidavit for non-conviction	The Bidder shall provide an undertaking for non-conviction
Financial Credentials	Average Audited Annual Turnover of the Bidder in the last Five financial years (i.e., 2020-2021, 2021-2022, 2022-2023, 2023-2024, 2024-2025) ending 31.03.2024 should be minimum INR 100 Crores.	Extracted / Certified balance sheet and P&L Statement certified by the Statutory Auditor / Chartered Accountant (CA)
	The Bidder shall have positive net worth for FY 2024-2025.	Certificate from Statutory auditor / Chartered Accountant
Quality Certification	The Bidder should have valid CMMI Level – 5 Certified in Application Development domain as on Bid Publication date	Copy of Valid Quality Certification.
	Valid ISO 27001:2022 Certificate as on Bid Publication date	The certificate should be valid as on the date of Bid Publication and should be verifiable from the issuing Authority.
	Valid ISO 20000:2018 Certificate as on Bid Publication date	
	Valid ISO 9001:2015 Certificate as on Bid Publication date	
Technical Capability	The prime bidder or consortium partner should have Similar Project experience in Enterprise GIS based Web Application Development and Operation & Maintenance project work For any Indian Government / State Government/ PSU/Autonomous bodies of Central/State Govt/Private Organization or their subsidiaries Or For Government Bodies/ Agencies/ Subsidiaries of any other country Or For International Aid Agencies. during the last Seven (7) Years ending 31.03.2026 with single project value of 2 crores OR 2 projects with combined project value of minimum 3 crores OR 3 projects with combined project value of minimum 5 crores	Documents required in case of Completed project: Copy of work order/Agreement + Completion certificate from Client / CA certificate/ Self Declaration + Assignment Details Documents required in case of Ongoing project (Project in O&M phase after 'Go- Live/UAT'): Copy of work order/Agreement + Go-live/UAT Acceptance certificate from client + Assignment Details
	The Prime Bidder or consortium partner should have experience in integrated Automated Workflow Management System and/or API based seamless data exchange with e-Governance Application:	Documents required in case of Completed project: Copy of work order/Agreement + Completion certificate from Client / CA certificate/ Self Declaration + Assignment Details

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	<p>For any Indian Government / State Government/ PSU/Autonomous bodies of Central/State Govt/Private Organizations or their subsidiaries Or For Government Bodies/ Agencies/ Subsidiaries of any other country Or For International Aid Agencies; during the last Seven (7) Years ending 31.03.2026 with the below mentioned valuations. Single Project with Minimum 2 Crores Project Value Or 2 Projects with combined project value of 3 Crores Or 3 Projects with combined project value of 5 Crores</p>	<p>Documents required in case of Ongoing project (Project in O&M phase after 'Go- Live/UAT'): Copy of work order/Agreement + Go-live/UAT Acceptance certificate from client + Assignment Details</p>
	<p>The Prime Bidder or consortium partner should have Experience in processing/ supplying high resolution imagery in a single order to government organisations within the last five (5) years with Minimum order value of 2 Cr</p>	<p>Workorder/Completion/Deployment Certificate</p>
	<p>The Prime Bidder or consortium partner proposed Satellite imagery OEM should have at least five (5 Nos.) 50cm class operational satellites in the orbit.</p>	<p>Relevant product brochure / datasheet from OEM needs to be provided to validate this requirement</p>
	<p>The Prime Bidder or consortium partner proposed Satellite imagery OEM has supplied 50 cm resolution imagery at least 3 states in India during last 5 years</p>	<p>Workorder/Supply order Certificate</p>
	<p>The Prime Bidder or consortium partner proposed imagery must originate from the same sensors specified in their technical bid. The ortho-rectified mosaic data must be available as a pre-processed, ready-to-use product directly from the OEM</p>	<p>Workorder clearly mentioning the Total Area in Sq.KM and sensor type A relevant product brochure or technical specification document from the OEM/Satellite Image Provider must be included as part of the bid submission. Bidders will be asked to demonstrate the platform/ product used by the OEM for generation of ortho-mosaic product during the technical evaluation</p>
	<p>The Prime Bidder or consortium partner shall have deployed GIS Infrastructure in Cloud Infrastructure with Enterprise Portals</p>	<p>Workorder/Completion/Deployment Certificate</p>

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	Proposed COTS product should have an install base of at least 15 enterprise-wide installation in India including minimum three development authorities/state town planning department	OEM should submit supporting work orders / purchase orders and installation certificate
Technical Resources (HR Certificate)	The bidder should have at least 50 skilled technical resources in GIS domain.	Declaration of company Letterhead from the HR Department.
Conflict of Interest	The Bidder shall not have a conflict of interest.	Self-Declaration of company letterhead
IN-SPACE Registration/Authorization	The prime bidder or consortium partner should necessarily be an Indian entity and registered with In Space portal	Copy of registration with IN-SPACE portal for Foreign Satellite Data Supply.
Satellite Data Provider	The prime bidder or consortium partner must attach a Manufacturing Authorization certificate from OEM with reference to the tender reference number.	MAF favoring the In-SPACE registered bidder should be provided by OEM (Not a reseller/distributor).

- I. Bidders should submit documentary evidence in respect of all above mentioned criteria while submitting the proposal. Proposal of bidder who do not fulfill the above criteria or who fails to submit documentary evidence to the satisfaction would be rejected.
- II. Bidders fulfilling the Minimum Eligibility Criteria will only be considered for further technical evaluation.

Note: Bidder to submit supporting documents and clearly flag the same

4.2 Evaluation of Technical Bids

The Technical Bid will be evaluated as per the criteria defined below and the ranking will be done from highest to lowest

1	Turnover	<p>Prime Bidder should have an average annual Turnover of a minimum INR 100 Crores, for the last five financial years i.e., 2020- 2021, 2021-2022, 2022-2023 and 2023- 2024, 2024-2025</p> <ul style="list-style-type: none"> • INR 100 and up to 200 Crores - 5 marks • More than INR 200 and up to 500 Crores - 7.5 marks • More than INR 500 Crores -10 marks 	10	Extracted / Certified balance sheet and P&L Statement certified by the Statutory Auditor / Chartered Accountant (CA)

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2	<p>Similar Project experience in 'Enterprise GIS based Web Application Development, Integration and Web GIS System Management using COTS GIS platform or Industry Standard GIS Platform</p>	<p>The Prime Bidder or consortium partner should have at least 1 Similar Project experience in Enterprise GIS Web Application Development, Integration and Web GIS System Management using COTS GIS platform or Industry Standard GIS Platform</p> <p>For any Indian Government / State Government/ PSU/Autonomous bodies of Central/State Govt or their subsidiaries Or For Government Bodies/ Agencies/ Subsidiaries of any other country Or For International Aid Agencies; during the last Seven (7) Years ending 31.03.2026 with the below mentioned valuations:</p> <p>1. 5 Marks for - Single Project with Minimum 2 Crores Project Value Or 2 Projects with combined project value of >= 3 Crores Or 3 Projects with combined project value of >= 5 Crores</p> <p>2. 7 Marks for - Single Project with Minimum 3 Crores Project Value Or 2 Projects with combined project value of >= 5 Crores Or 3 Projects with combined project value of >= 8 Crores</p> <p>3. 10 Marks for - Single Project with Minimum 5 Crores Project Value Or 2 Projects with combined project value of >= 8 Crores Or 3 Projects with combined project value of >= 10 Crores</p>	10	<p>Documents required in case of Completed project:</p> <p>Copy of work order/Agreement + Completion certificate from Client / CA certificate/ Self Declaration+ Assignment Details</p> <p>Documents required in case of Ongoing project (Project in O&M phase after 'Go- Live/UAT'): Copy of work order/Agreement + Go-live/UAT Acceptance certificate from client + Assignment Details</p>

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3	Project Experience of Web GIS application development/ GIS Consulting for Urban Development Department	The Prime Bidder or consortium partner should have at least 1 Project experience in Web GIS application development/ GIS Consulting / GIS PMU for Urban Development Department/ Municipal Body/ Development Authority For any Indian Government / State Government/ PSU/Autonomous bodies of Central/State Govt or their subsidiaries Or For Government Bodies/ Agencies/ Subsidiaries of any other country Or For International Aid Agencies. During the last Seven (7) Years ending 31.03.2026, the Bidder should have expertise in <ul style="list-style-type: none"> Web GIS application development/ GIS Consulting / GIS PMU for Urban Development Department 	10	Documents required in case of Completed project: Copy of work order/Agreement + Completion certificate from Client / CA certificate/ Self Declaration + Assignment Details Documents required in case of Ongoing project (Project in O&M phase after 'Go- Live/UAT'): Copy of work order/Agreement + Go-live/UAT Acceptance certificate from client + Assignment Details
	Project Experience in change detection based on Satellite Imagery in the scope for Development Authorities/Central Agencies/PSU/State Agency	The Prime Bidder or consortium partner must have executed at least one project with change detection based on Satellite Imagery in the scope for Development Authorities/Central Agencies/PSU/State Agency	5	Documents required in case of Completed project: Copy of work order/Agreement + Completion certificate from Client / CA certificate/ Self Declaration + Assignment Details Documents required in case of Ongoing project (Project in O&M phase after 'Go- Live/UAT'): Copy of work order/Agreement + Go-live/UAT Acceptance certificate from client + Assignment Details

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4	<p>Technical expertise with integrated Automated Workflow Management System and/or API based seamless data exchange with e-Governance Application</p>	<p>The Bidder should have experience in integrated Automated Workflow Management System and/or API based seamless data exchange with e-Governance Application: For any Indian Government / State Government/ PSU/Autonomous bodies of Central/State Govt or their subsidiaries Or For Government Bodies/ Agencies/ Subsidiaries of any other country Or For International Aid Agencies. during the last Five (5) Years ending 31.03.2026 with the below mentioned valuations. The Bidder should have expertise in the below field:</p> <ul style="list-style-type: none"> • Experience in integration with e-services (e.g., Integrated Payment Gateway, 3rd party identity systems, e-Mudra) and Support integration with other systems and end-to-end workflows. • Expertise in integrated Automated Workflow Management System and API based seamless data exchange with bespoke e-Governance applications. <p>1. 5Marks for -</p> <ul style="list-style-type: none"> • Single Project with Minimum 2 Crores Project Value Or • 2 Projects with combined project value of >= 3 Crores Or • 3 Projects with combined project value of >= 5 Crores <p>2. 8 Marks for -</p> <ul style="list-style-type: none"> • Single Project with Minimum 3 Crores Project Value Or • 2 Projects with combined project value of >= 5 Crores Or • 3 Projects with combined project value of >= 8 Crores <p>3. 10 Marks for -</p> <ul style="list-style-type: none"> • Single Project with Minimum 5 Crores Project Value Or • 2 Projects with combined project value of >= 8 Crores Or • 3 Projects with combined project value of >= 10 Crores 	5	<p>Documents required in case of Completed project: Copy of work order/Agreement + Completion certificate from Client / CA certificate/ Self Declaration + Assignment Details</p> <p>Documents required in case of Ongoing project (Project in O&M phase after 'Go- Live/UAT'): Copy of work order/Agreement + Go-live/UAT Acceptance certificate from client + Assignment Details</p>

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5	Quality of Manpower Proposed Key Personnel	The bidder should have at least 50 GIS resources in the company payroll as on Bid Publication date.	25	Declaration of company Letterhead from the HR Department.
		<p>a. GIS Technical Project Manager Eligibility: B.E./B. Tech/MCA/MSc/ M. Tech/ MPhil / MBA/ Masters in Geoinformatics/ GIS/ Remote Sensing or equivalent (Full time from recognized Indian University) with Project Management experience. Minimum 10+ years of relevant work experience in Geospatial Industry and expertise in Urban data management or in similar domain.</p> <ul style="list-style-type: none"> • Years of Exp for similar nature of Work- >10 Yrs - 1 Mark • No. of Similar Projects as Project Manager - Minimum 2 Projects-1 Mark or Minimum 4 Projects-2 Marks 	3	
		<p>b. GIS Data Analyst Eligibility: B.E./B. Tech/M. Sc./MCA/M. Tech / Masters in Geoinformatics/ GIS/ Remote Sensing or an equivalent from recognized Indian University with 5+ Years of relevant experience in the field of Geospatial Data Analytics, QA/QC in ArcGIS Data Reviewer, Web Service publishing in the ArcGIS Pro platform.</p> <p>Relevant Experience – >5 Yrs - 1 Mark</p> <ul style="list-style-type: none"> • Similar Nature of Project - Minimum 2 Projects-0.5 Mark or Minimum 4 Projects- 1 Marks 	2	
		<p>c. Remote Sensing Expert Eligibility: B.E./B. Tech/M. Sc./M. Tech in CS/Remote Sensing/ Geoinformatics or an equivalent from recognized Indian University with 5+ Years of relevant experience in maintaining high resolution satellites imagery and software tools like ERDAS, ArcGIS, etc.</p> <ul style="list-style-type: none"> • Relevant Experience – >5Yrs - 1 Mark • Similar Nature of Project - Minimum 2 Projects-0.5 Mark or Minimum 4 Projects- 1 Marks 	2	

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		<p>d. GIS Developer (3 persons) Eligibility: B.E/B. Tech/M. Sc./MCA/M. Tech / Masters in Geoinformatics/ GIS/ Remote Sensing or an equivalent with minimum 5+ years of relevant experience in the field of Web GIS Application Development in ArcGIS Enterprise OR Industry Standard GIS Platform or equivalent COTS platform. Expertise in Web GIS development including languages and frameworks relevant to Web GIS, such as HTML5, CSS3, JavaScript (TypeScript, React, Redux, Jimu, JSX), ArcGIS Maps SDK for JavaScript, ArcGIS REST JS, ArcGIS Maps SDK for Python, Python API for ArcGIS etc.</p> <ul style="list-style-type: none"> • Relevant Experience – >5 Yrs - 1 Mark • Similar Nature of ESRI base customized Application development ->2 Projects- 1 Mark 	6 (2 Marks for each of the 3 profiles)	
		<p>e. Quality Analyst Eligibility: B.E/B. Tech/M. Sc./MCA/M. Tech/Masters in Geoinformatics/ GIS/ Remote Sensing or an equivalent from recognized Indian University with 3+ Years of relevant experience in the field of Geospatial Data Analytics, QA/QC in ArcGIS Data Reviewer, Web Service publishing in the ArcGIS Pro platform.</p> <ul style="list-style-type: none"> • Relevant Experience – >3 Yrs – 0.5 Mark • Similar Nature of ESRI base customized Application development – >2 Projects- 0.5 Mark 	1	
		<p>f. Consultant Delivery Expert Eligibility: B.E./B. Tech/ MCA/M. Sc./M. Tech/ Masters in Geoinformatics/ GIS/ Remote Sensing or an equivalent with experience in business analysis in domain of urban or similar e-Governance assignment. Domain experience of Min. 5+ years in Web GIS Application Architecture Designing and Implementation, Installing, Configuring and Maintaining the Web GIS System, and experience in maintaining system security and troubleshooting issues across services and supporting the resolution of incidents.</p> <ul style="list-style-type: none"> • Relevant Experience – >10Yrs - 1 Mark 	3	

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		<ul style="list-style-type: none"> Similar Nature of ESRI base customized Application development and implementation ->2 Projects- 1 Mark or 4 Projects – 2 Marks 		
		<p>g. GIS Data Scientist Eligibility: B.E/B. Tech/M. Sc./MCA/M. Tech/ Masters in Geoinformatics/ GIS/ Remote Sensing or an equivalent. Minimum 3+ years in managing geospatial databases and GIS data handling, Experience in GIS data Analysis using ArcGIS Pro and Extensions and visualization, QA/QC of GIS data, Handon knowledge on Python, ArcPy etc</p> <ul style="list-style-type: none"> Relevant Experience – >3Yrs – 1 Mark Similar Nature of ESRI based Data analysis using ArcGIS Pro and Extensions ->4 Projects- 1 Mark 	2	
		<p>h. GIS mobile Developer Eligibility: B.E/B. Tech/M. Sc./MCA/M. Tech/ Masters in Geoinformatics/ GIS/ Remote Sensing or an equivalent Minimum 5+ years' experience in custom GIS based Mobile application development in the Android and iOS platform. Hand on Experience in ArcGIS Survey 123, ArcGIS Field Maps</p> <ul style="list-style-type: none"> Relevant Experience – >5Yrs – 1 Mark Similar Nature of ESRI based mobile application development using Survey123, ArcGIS Field Maps ->4 Projects- 1 Mark 	2	
		<p align="center">i. AI/ML Expert</p> <p>Eligibility: B.E/B. Tech/M. Sc./MCA/M. Tech/ Masters in Geoinformatics/ GIS/ Remote Sensing/Computer Science or an equivalent Minimum 5+ years of experience in designs, builds, and deploys machine learning models and intelligent systems to solve complex business problems, Handon knowledge on Python Library, Jupiter Notebook</p>	1	

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		<ul style="list-style-type: none"> • Relevant Experience – >5Yrs – 0.5 Mark • Similar Nature of AI/ML based model development for Change Detection, Feature extraction using Python Library ->4 Projects- 0.5 Mark 		
		<p>G GIS Project Manager (O&M Phase) Eligibility: B.E./B. Tech/MCA/MSc/ M. Tech/ MPhil / MBA/ Urban Planner / Masters in Geoinformatics/ GIS/ Remote Sensing or equivalent (Full time from recognized Indian University) with Project Management experience. Minimum 10+ years of relevant work experience in Geospatial Industry and expertise in Urban data management or in similar domain.</p> <ul style="list-style-type: none"> • Relevant Experience – >10Yrs - 1 Mark • Similar Nature of ESRI base customized Application development and implementation ->2 Projects- 1 Mark or 4 Projects – 2 Marks 	3	
6	Proposed Solution & Technical Presentation	<p>Technical Presentation of the work by the Bidder (Own infrastructure are to be used by the Firm)</p> <ul style="list-style-type: none"> • Overall Approach & Methodology- 15 Marks • Proposed Solution and Architecture as per RFP- 10 Marks • Project Roll-out Plan, Development timelines -5 Marks • Operation & Maintenance Plan-5 Marks 	35	

NOTE:

- a) Applicants will be required to provide work orders/extension orders/ contracts/ completion certificates or CA certificates / self declaration as proof of experience.*
- b) Extension work orders on an existing project will not be counted as separate projects but may be counted towards monetary value of total project. All experiences should be from India.*
- c) Evaluations will be based on documentary evidence submitted by the Applicants and presentation before the Client with respect to evaluation/selection criteria.*
- d) Only projects carried out in India will be considered for evaluation.*
- e) Repetition of credentials submitted for the criteria of clause 4.2 technical evaluation will be allowed.*

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4.3 Financial Bid Opening

Minimum score of 70 marks in the technical evaluation process is required to be considered as a Technically Shortlisted Bidder. Only Technically Shortlisted bids (having the minimum required score) would be eligible for opening of financial bids. The financial proposals of only Technically Shortlisted Bidders will be opened in the presence of the Bidders representatives who choose to attend.

In response to the RFP, the Applicant shall provide financial quote in the form of rate for the Price Schedule/BOQ mentioned below:

Sr. No.	Item Description	Quantity	Unit Price (INR)	Total (INR)
1	Geo-Portal and Platform Development (As per Scope)	1		
2	Development of Mobile Application	1		
3	Procurement of Satellite Imagery-Archive (As per Scope and specification)	1		
4	Procurement of Satellite Imagery-Fresh Tasking (As per Scope and specification)	5		
5	On Demand Fresh Tasking for Changed Areas(Per 25 Sq Km)	1		
6	Cloud Infrastructure	36 Months		
7	O&M Cost of Application Management	24 Months		

Note: Taxes will be charged extra as applicable at the time of billing.

a. Technical Bid Evaluation

Highest Technical scoring proposal (Tm) shall be given a technical score (St) of 100 points. The technical score of the other proposals (To) shall be computed as follows.

$$St = 100 \times T0 \text{ (Other Technical proposal)} / Tm \text{ (Highest Technical proposal)}$$

Evaluations will be based on documentary evidence submitted by the Applicants and presentation before the Selection Committee of UP Awas Bandhu with respect to evaluation/selection criteria.

b. Financial Bid Evaluation

Lowest financial proposal (Fm) shall be given a financial score (Sf) of 100 points. The financial score of the other financial proposals (Fo) shall be computed as follows.

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$$Sf = 100 \times Fm \text{ (Lowest Financial proposal)} / F0 \text{ (Other Financial proposal)}$$

Bids determined to be substantially responsive (see instructions to Applicants) will be checked by the client for any arithmetical errors in computation and summation. Where there is discrepancy between rates indicated in figures and in words, rates in words will govern.

The bid shall contain no interlineations or overwriting except as necessary to correct errors made by the bidder themselves. Any such correction shall be initiated by the authorized person.

c. Final Bid Evaluation

The Applicant shall be selected under the Quality-cum-Cost Based System (QCBS) with weightages of 70:30 (70% for technical proposal and 30% for financial proposal) and procedures described in this RFP. Proposals shall finally be ranked according to their combined technical (St) and Financial (Sf) scores using the weights (T=the weight given to the technical proposal; F=the weight given to the financial proposal; T+F = 100) indicated below

$$S = St \times (T=70\%) + Sf \times (F=30\%)$$

In case of a tie, bidder with higher technical score will be considered for award of work. The Successful Bidder would be notified in writing by the client by issuing the Letter of Award (LOA) in favor of the Bidder.

The client reserves the right to accept any proposal or reject any or all the proposals without assigning any reasons and any liability whatsoever including financial liability. The client also reserves the right to close or cancel the entire process of appointment at any point without assigning any reasons whatsoever and without any liability whatsoever.

4.4 Delivery Milestone

Milestone	Description	Timeline	Time
M01	Archive Satellite Image delivery	T1 = T+ 30 days	1 st month
M02	Fresh Tasking Satellite Image Delivery	T2 = T+ 45 days	2 nd Month
M03	Cloud Infrastructure Deployment		
M04	Requirement Analysis & Design	T3 = T + 60 days	2 nd Month
M05	Creation of GeoHub for Existing Master Plans	T4 = T + 180 days	6 th Month
M06	UAT OF GeoHub for Existing Master Plans	T5 = T + 210 days	7 th Month
M07	Unauthorized Construction Detection using AI ML Technology	T6 = T + 300 days	10 th Month
M08	Creation of GIS Application		
M09	UAT of Construction Detection using AI ML Technology	T7 = T + 330 days	11 th Month
M010	Deployment of Application and Go Live		

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M011	Training & Documentation	T8 = T + 365 days	12 th Month
M012	Operations & Maintenance Support	T9 + 24 months	Further 2 Years

*The number of days defined for each Milestone is from the completion of the preceding activity

Milestone T0 = Date of Agreement Signing

** Department will provide all necessary software, hardware's(Staging Environment & Production Environment), Validated Datasets(High resolution Satellite Images, GIS based Master Plan, Any GIS Datasets), and other networking for all software installation

4.5 Payment Milestone

Payment Milestone		
Sl. No.	Description	Timeline
1	Satellite Image Procurement Cost	To be Provided in Advance
2	Cloud Managed Services	To be Provided in Advance before every Quarter
3	Requirement Analysis and approval of SRS document	10% of the Service Component
4	UAT of GeoHub for Existing Master Plans	20% of the Service Component
5	UAT of Unauthorized Construction Detection using AI ML Technology	15% of the Service Component
6	UAT of Advanced Suitability & Environmental Analysis	15% of the Service Component
7	Deployment of Application and Go Live	20% of the Service Component
8	Training & Documentation	20% of the Service Component
9	Operations & Maintenance Support (PMU resource deployment cost)	25% of O&M Component, paid quarterly

Payment for the Application will be processed in following way after deducting applicable taxes.

- a. The bidder's request for payment shall be made in writing, accompanied by Tax invoice describing all details.
- b. Payments shall be made promptly by Awas Bandhu, after submission of a valid invoice by the bidder and after the satisfactory report.

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- c. Deductions, if any, on Payment for invoice raised by the bidder will be as per Government Tax reforms & Penalty charges if applicable.
- d. All the payments will be made only in INR (Rs).
- e. The successful bidder has to sign a service level agreement on non-judicial stamp paper which shall contain clauses related to liquidated damages on account of delays, errors, cost and time over-run etc.
- f. All payments to the Bidder/agency shall be made through RTGS only for which they are required to submit the following information:
 - Bank Account Number of bidder / agency
Name of the Account
 - Bank Name
 - Branch Name
 - IFSC Code.
- g. For all services supplied, the Bidder shall be entirely responsible for all taxes,
- h. Stamp duties, license fees, and other such levies imposed/incurred until delivery of the contracted products or services.
- i. Tax deduction at source: All Central/State Govt./Local Body Levies as applicable from time to time shall be deducted at source from the payment to the Supplier/ Bidder as per the respective law in force at the time of execution of contract. Awas Bandhu shall deduct at source taxes/duties under any other law/statute as may be applicable at the time of making payments. The supplier shall furnish to the purchaser registration No. under work tax and PAN (for TDS), as applicable
- j. The rates quoted shall be firm. However, after the award of contract, any variation in government levies shall be as per actuals.

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4.6 Payment Schedule and Project Period

The overall period of the engagement shall be One (1) year from the date of signing the contract for development and 2 years of O&M, with the provision for extension on mutually agreed terms based on the satisfactory performance during the pursuing years and requirements in the following years.

1. Payment will be made to the firm on delivery basis for all end-to-end completed and delivered components as per the details and accepted by the Awas Bandhu or its authorized representatives after checking quality compliance of the deliverables as per Section 3.
2. Monthly progress of work undertaken is to be provided to the Awas Bandhu on the last Monday of every month. Release of payment would be subject to verification of records.
3. No advance payment whatsoever will be made to the firm.
4. GST shall be paid at prevailing rate at the time of billing. Deduction of all statutory and necessary Tax from each bill will be made as per Government prevails at the time of payment
5. Penalties
 - a) In case of LOA being issued to the bidder, the bidder shall start the work for the same within maximum of 15 days of issuance of LOA. In case of failure to initiate the project in 30 days, penalty provisions of 1% of the order value per week of delay shall be levied on the agency and same shall be deductible from their payment.
 - b) Awas Bandhu shall carry out inspections of the submitted document during the period of contract in accordance with the weekly/monthly frequency.

All penalty clauses will be decided by the selected bidder based on the agreed scope of work.

4.7 Performance Bank Guarantee

The Bidder / Contractor after the award of work shall have to submit interest free Performance Security/Performance Guarantee in prescribed format which is equal to the 05% (Five Percent) of order value within 45 days from the date of the issue of the Letter of Award and it shall be kept valid for a period of eighteen months after the successful delivery and handover of the project.

The Performance Security/Performance Guarantee shall have to be submitted in the form of FDR in the name of **Awas Bandhu**. The Performance Guarantee shall be kept valid till six months post completion & closure of the project. The Performance Guarantee shall contain a claim period of three months from the last date of validity. The selected bidder shall be responsible for extending the validity, date and claim period of the Performance Guarantee as and when it is due on account of non-completion of the project and Warranty period, in case the selected bidder fails to submit performance guarantee within the time stipulated, the Awas Bandhu at its discretion may cancel the order placed on the selected bidder without giving any notice.

Awas Bandhu shall invoke the performance bank guarantee in case the selected bidder fails to discharge their contractual obligations during the contract period or Awas Bandhu incurs any loss due to agency's negligence in carrying out the project implementation as per the agreed terms and conditions during the agreement.

Format of PBG will be shared along with LOA.

4.8 Signing of Contract

The Successful Bidder shall execute a Agreement (Format of Agreement is given in Annexure C) on Rs 100/- Non-Judicial stamp paper in the name of the Bidder bought in Uttar Pradesh only, The Successful Bidder shall not assign or make over the contract, the benefit or burden thereof to any other person or persons or body corporate for the execution of the contract or any part thereof without the prior written consent of AWAS BANDHU.

AWAS BANDHU reserves its right to cancel the order either in part or full, if this condition is violated.

4.9 Non-Disclosure Agreement:

The successful bidder would require signing a non-disclosure agreement. Format will be shared by the Awas Bandhu at the time of LOA

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5. Annexure

5.1 Annexure A: Standard Forms

5.1.1 FORM 1: Proposal Submission Form

[Location, Date]

To:

The Director
Awass Bandhu, U.P.

Sub: Proposal for Selection of Agency for _____ AWAS BANDHU, U.P. RFP Ref. No.:

_____ **Dated:** _____

Dear Sir:

We, the undersigned, offer to provide the services for [title of assignment] in accordance with your Request for Proposal dated [Date] and our Proposal. We are hereby submitting our Proposal, which includes a Technical Proposal, and a Financial Proposal.

We hereby declare that all the information and statements made in this Proposal are true and accept that any misinterpretation contained in it may lead to our disqualification.

If negotiations are held during the Proposal Validity Period, we undertake to negotiate on the basis of the proposed staff. Our Proposal is binding upon us and subject to the modifications resulting from Contract negotiations.

We undertake, if our Proposal is accepted, to initiate Implementation of GIS at UP Awass Bandhu related to the assignment at a date mutually agreed between us.

We understand you are not bound to accept any Proposal you receive

We remain,

Yours sincerely,

Authorized Signature [In full and initials]: -----

Name and Title of Signatory: -----

Name of Firm: -----

Address: -----

CERTIFICATE AS TO AUTHORIZED SIGNATORIES

Hereby it is certified that I Mr. /Ms. Company Secretary of the firm/corporation, and that Mr. /Ms. who has signed the above bid are authorized to bind the firm/corporation by authorities of its governing body.

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5.1.2 FORM-2: Applicant's Organization and Experience

Applicant's Organization

[Provide here a brief (one/two pages) description of the background and organization of your firm/entity]

Sr. No.	Heads	Particulars
1.	Registered Name of the Firm	
2.	Type of Firm <i>(Proprietary / Partnerships / Private/Public) Please enclose self-certified copy of certificate of incorporation</i>	
3.	Complete Address of Registered Office	
4.	Date and Country of Incorporation	
5.	Number of years of operations in India	
6.	Number and locations of offices in India	
7.	Contact person details (Name, Designation, Mobile Number, Email)	
8.	Telephone Number (with ISD & STD Code)	
9.	Fax Number (with ISD & STD Code)	
10.	Brief description of the Firm including details of its main lines of business along with the brief profile of the organization	
11.	Annual turnover from IT and ITeS operations for FY 20-21, FY 21-22 and FY 22-23 <i>(Enclose Certificates duly signed by Chartered Accountant along with seal which should also clearly show the CA's membership number)</i>	
12.	CMMi/ ISO assessment level and date of assessment	
13.	Validity period of the CMMi assessment	
14.	Please attach copy of PAN Card/ GST Registration	
15.	Any other relevant information	

Signature of Authorised Signatory

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Name of Designation of Authorised

Signatory Telephone & Mobile Number

E-Mail Address Official seal of the Company

5.1.3 FORM3: Financial Proposal

Submission Form (On Bidder's letterhead)

[Location, Date]

To,
The Director
Awasthi Bandhu
First Floor, Janpath Market,
Hazratganj
Lucknow-226001, Uttar Pradesh

Sub: Financial Bid for **(PURCHASE OF SATELLITE IMAGERY, CLOUD AND DEVELOPMENT OF GEOPORTAL** at for UP Awasthi Bandhu)

Dear Sir/Madam,

We, the undersigned, offer to provide the services for the above in accordance with your e-Bid. Our attached Financial Bid is as uploaded on e-bid portal in the .XLS format [inclusive of statutory taxes, duties, and levies during the contractual period except GST which will be paid extra by AWASTHI BANDHU at the rate applicable on the date of invoicing, Amount in words and figures].

We understand that the Awasthi Bandhu reserves the right to negotiate the Financial Bid for the services as a whole or for individual tasks of the services.

We undertake that our Financial Bid shall be binding upon us subject to the modifications resulting from contract negotiations, up to expiration of the validity period of the Bid, i.e. 180 days from the date of submission of the e-Bid.

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India.

We understand you are not bound to accept any Bid you receive. Yours sincerely,

Signature:

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Name and title of Signatory:

Name & address of the Bidder

**Annexure B: Declaration
FORM5: Non-Blacklisting**

Declaration for not being barred by the Central Government, any State Government,
a statutory Awas Bandhu or a public sector

Declaration Letter for "<Insert name of the RFP>"
(To be printed on Letter Head)

Sir/Madam,

This is to notify you that our Company / LLP / Partnership / Society / Proprietorship intends to submit a proposal in response to, we also declare that our Company / LLP / Partnership / Society / Proprietorship has not been blacklisted by any Central / State Government Department / Public Sector Undertaking.

Sincerely,

5.2.1 Undertaking for availability of Sufficient and Competent Manpower to support the requirements in RFP

[To be submitted on Bidder Company's Letterhead]

[Location, Date]

To:

The Director,
Awas Bandhu, U.P.

Sub: Undertaking for Sufficient IT Manpower

Dear Sir.

Date:

(Signature of the Authorized signatory)

(Name and designation of the of the Authorized signatory)

(Name and rubber seal of the Bidder)

5.2.2 Format for self-declaration on “No Conflict of Interest”

[To be submitted on Bidder Company's Letterhead]

[Location, Date]

To:

The Director,
Awas Bandhu, U.P.

Sub: Undertaking for No Conflict of Interest

Dear Sir,

In accordance with clause of this RFP document, we <Name of the firm> wish to declare that we do not have any conflict of interest that may affect the current Bidding Process.

Date:

(Signature of the Authorized signatory)

(Name and designation of the of the Authorized signatory
(Name and rubber seal of the Bidder)

5.2.3 FORM OF JOINT DEED OF UNDERTAKING (JDU)

FORM OF JOINT DEED OF UNDERTAKING (JDU)
BY THE SUBSIDIARY OR HOLDING COMPANY OR GROUP COMPANY OR PARENT COMPANY OR CONSORTIUM
PARTNERALONGWITH THE BIDDER

(On Non-Judicial Stamp Paper of appropriate value)

THIS DEED OF UNDERTAKING executed this _____ Day of Two thousand and Twenty Five by _____ a Company incorporated under the laws of **Companies Act, 2013** and having its registered office at _____ (hereinafter called the "Technological Collaborator" which expression shall include its successors, executors and permitted assigns) and _____ a company incorporated under the laws of _____ having its registered office _____ (hereinafter called the "Bidder/Contractor" which expression shall include its successors, executors and permitted assigns) in favour of **Awes Bandhu**, having its registered office at _____ (hereinafter called the "Employer" which expression shall include its successors, executors and permitted assigns)

WHEREEAS the "Employer" invited Bid as per its Specification No. _____".

AND WHEREAS Clause No. _____ forming part of the Bid documents inter-alia stipulates that the Bidder alongwith its Subsidiary/ Holding Company/ Group Company/ Parent Company/ Consortium partner### must fulfill the Qualifying Requirement for the * _____ and be jointly and severally bound and responsible for the successful performance of the * _____ offered in the event the Bid submitted by the Bidder is accepted by the Employer resulting in a "Contract."

AND WHEREAS the Bidder has submitted its Bids to the Employer vide **Proposal Ref. No.:** _____ dated _____ based on the collaboration of the "Technological Collaborator" with the Bidder.

NOW THEREFORE THIS UNDERTAKING WITNESSETH as under:

- 1.0 In consideration of the award of Contract by the Employer to the Bidder (hereinafter referred to as the "Contract") we, the Consortium partner and the Bidder/Contractor do hereby declare that we shall be jointly and severally bound onto the AWAS BANDU for the successful performance of the GIS implementation and shall be fully responsible for the design, development, integration, testing & commissioning and successful performance of the Geoportal in accordance with the Contract specifications.
- 2.0 Without in any way affecting the generality and total responsibility in terms of this Deed of Undertaking, the Consortium partner in particular hereby agrees to depute their technical experts from time to time to the Bidder's/Contractor's works/Employer's Project site as mutually considered necessary by the Employer/Bidder/Contractor and the Consortium partner to ensure proper design, development, integration, testing & commissioning and successful performance of the product in accordance with contract specifications and if necessary the Consortium partner shall advise the Contractor suitable modifications of designs and implement necessary corrective measures to discharge the obligations under the Contract during implementation and maintenance of the system.

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- 3.0 This Deed of Undertaking shall be construed and interpreted in accordance with the laws of India and the Courts in Delhi shall have exclusive jurisdiction in all matters arising under the undertaking.
- 4.0 The consortium partner should provide their offer to one Prime Bidder only. Otherwise their bid will be cancelled along with Prime Bidder
- 5.0 We, the consortium partner and the Bidder agree that this undertaking shall be irrevocable and shall form an integral part of the Contract and further agree that this undertaking shall continue to be enforceable till the Employer discharges it. It shall become operative from the effective date of Contract.

IN WITNESS WHEREOF the Consortium partner and the Bidder/Contractor have through their Authorized Representative executed these presents and affixed Common seals of their respective Companies, on the day, month and year first above mentioned.

WITNESS

(For Technological Collaborator)

Signature

(Signature of the authorized representative)

Name

Name

Office Address

Common Seal of Company

Annexure D:

FORM6: Agreement

FORMAT OF AGREEMENT

Annexure D:

FORM6: Agreement

FORMAT OF AGREEMENT

(To be executed on an On Non-Judicial Stamp Paper of Rs 100/-by the successful Bidder)

This agreement is made thisday of2024 at Lucknow between M/s.....(name of the Company selected through the bidding process against the RFP (RFP Ref. No.) for selection of **“Agency for purchase of GIS software and development of geoportal at UP AWAS BANDHU ”** referred to as the “First Party”, which expression shall include his heirs, executors and administrators/their successors and Awas Bandhu, Uttar Pradesh(in short AWAS BANDHU), referred to as the “Second Party”, through Special Secretary Awas Bandhu, include his successors and assignees.

That WHEREAS the First Party will provide IT & related services in accordance with all the terms and conditions contained in the Tender (RFP Ref. No.) and also the terms and conditions contained in the subsequent corrigendum and Work Order to be issued by the Second Party to First Party and the same shall be binding on the First Party and shall be the integral part of this agreement.

IN WITNESS THEREOF THE ABOVE-MENTIONED PARTIES HAVE PUT THEIR SIGNATURES ON THIS.....DAY OFTWO THOUSAND AND TWENTY-FOUR.

Authorized Signatory of “First Party”

Authorized Signatory

of “Second Party” Signature:

Signature:

Name and Address:

Name and Address:

5.3.1 General Conditions of Contract (GCC):

Definitions

Unless the context otherwise requires, the following terms whenever used in this Contract have the following meanings:

- I. "Applicable Law" means the laws and any other instruments having the force of law in India as they may be issued and be in force from time to time.
- II. "Authorized Representatives" shall have the meaning set forth in Clause 6.2.5 of Annexure B
- III. "Agency / Bidder" means of an organization registered / incorporated under Indian Acts meeting the Pre-qualification conditions
- IV. "Client" means the Awas Bandhu with which the Bidder signs the Contract for the Services
- V. "Contract" or "Agreement" means the Contract signed by the Parties and all the attached documents, if any
- VI. "Confidentiality" shall have the meaning set forth in Clause 6.4.2 of Annexure B
- VII. "Eligibility" shall have the meaning set forth in Clause 4.1 of the RFP
- VIII. "EMD" Earnest Money Deposit
- IX. "Government" means the Government of the Client's country/state
- X. "Key Dates" shall mean the dates mentioned in the Data Sheet
- XI. "LOA" Letter of Award
- XII. "Official Website" is <https://www.awasbandhu.in/>
- XIII. "Party" means the "Client or the Bidder" as the case may be, and "Parties" means both of them
- XIV. "Personnel" means professionals and support staff provided by the Bidder assigned to perform the Services or any part thereof
- XV. "Proposal Due Date" or "PDD" shall mean the date as specified in the Data Sheet
- XVI. "Proposal Validity Period" shall mean the number of days for which the proposal shall be called valid post bidding till the signing of contract (the number of days are as mentioned in the Data Sheet)
- XVII. "RFP" means Request for Proposal i.e. It is a document that solicits a proposal, made through bidding process, by an agency or Awas Bandhu interested in procurement of a commodity, service, or valuable asset.
- XVIII. "Scheduled Bank" means Banks specified in the RBI Act, 1932

- XIX. "Services" means the work to be performed by the Bidder pursuant to the Contract.
- XX. "days" means calendar days
- XXI. "weeks" means calendar weeks
- XXII. "months" means calendar months

5.3.2 Law Governing Contract

This Contract, its meaning and interpretation, and the relation between the Parties shall be governed by the Applicable Law.

5.3.3 Language

This Contract has been executed in English language, which shall be the binding and controlling language for all matters relating to the meaning or interpretation of this Contract.

5.3.4 Notices

Any notice, request or consent required or permitted to be given or made pursuant to this Contract shall be in writing. Any such notice, request or consent shall be deemed to have been given or made when delivered in person to an Authorized Representative of the Party to whom the communication is addressed.

A Party may change its address for notice hereunder by giving the other Party a notice in writing of such change to the address.

5.3.5 Authorized Representatives

Any action required or permitted to be taken, and any document required or permitted to be executed under this Contract by the Client or the Bidder may be taken or executed by the officials specified in the Contract.

5.3.6 Taxes and Duties

TDS may be deducted and deposited by the Awas Bandhu. The Professional Fee agreed as part of this contract shall be inclusive of statutory taxes, duties, cess and levies in India during the contractual period except GST which will be paid extra by AWAS BANDHU at the rate applicable on the date of invoicing.

5.3.7 Fraud and Corruption

For the purpose of this Contract, the terms set forth below as defined as follows:

- I. "corrupt practice" means offering, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the selection process or in contract execution;
- II. "Fraudulent practice" means misrepresentation or omission of facts in order to influence the selection process or the execution of a contract;
- III. "Collusive practices" means a scheme or arrangement between two or more Bidders, with or without the knowledge of the Client, designed to establish

prices at artificial, non- competitive levels.

- IV. “Coercive practices” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process or affect the execution of the contract.

Measures to be taken:

The Client will cancel the Contract if representatives of the Bidder are engaged in corrupt, fraudulent, collusive or coercive practices during the selection process or the execution of the contract;

The Client will sanction the Bidder, including declaring the bidder ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that the Bidder has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, the said contract.

at the Client’s offices, provided that, in light of a pandemic the parties agree to cooperate to allow for remote working and/or an extended timeframe to the extent (i) any government or similar entity implements restrictions that may interfere with provision of onsite Services; (ii) either party implements voluntary limitations on travel or meetings that could interfere with provision of onsite Services, or (iii) any of the Bidder’s resource determines that he or she is unable or unwilling to travel in light of a pandemic-related risk. For pandemic related risks, the parties may mutually agree to suspend the Contract for a mutually agreed period and the same shall be resumed after the mutually agreed timeframe

1. Extension of Time

Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.

2. Payments

During the period of their inability to perform the Services as a result of an event of Force Majeure, the Bidder shall be entitled to continue to be paid under the terms of this Contract, as well as to be reimbursed for additional costs reasonably and necessarily incurred by them during such period for the purposes of the Services and in reactivating the Service after the end of such period.

5.3.8 Termination

Either Party may terminate this Agreement with immediate effect by serving prior written notice to the other party if services are not possible to be rendered as per applicable laws or professional obligations.

I. By the Client

The Client may terminate this Contract in case of the occurrence of any of the events specified in paragraphs (a) through (f) of this GCC Clause. In such an occurrence the Client shall give a not less than twenty-one (21) days' written notice of termination to the Bidder, and thirty (30) days' in the case of the event referred to in (e).

- If the Bidder does not remedy a failure in the performance of their obligations under the Contract, within twenty-one (21) days after being notified or within any further period as the Client may have subsequently approved in writing.
- If the Bidder becomes insolvent or bankrupt, to be certified by the competent court.
- If the Bidder, in the judgment of the Client has engaged in corrupt or fraudulent practices in competing for or in executing the Contract or the Bidder is not performing as per the terms and conditions of this contract.
- If, as the result of Force Majeure, the Bidder are unable to perform a material portion of the Services for a period of not less than sixty (60) days
- If the Client, in its sole discretion and for any reason whatsoever, decides to terminate this Contract.
- If the Bidder fails to comply with any final decision reached as a result of arbitration proceedings pursuant to GCC Clause 5.8 hereof.

II. By the Bidder

The Bidder may terminate this Contract or any particular services, immediately, upon written notice to the Client, such notice to be given after the occurrence of any of the events specified in paragraphs (a) through (d) of this GCC Clause:

- If the Client fails to pay any money due to the Bidder pursuant to this Contract and not subject to dispute pursuant to GCC Clause 5.6 hereof within forty-five (45) days after receiving written notice from the Bidder that such payment is overdue.
- If, as the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than sixty (60) days.
- If the Client fails to comply with any final decision reached as a result of arbitration pursuant to GCC Clause 6.8 hereof.
- If Bidder reasonably determines that it can no longer provide the services in accordance with applicable law or its professional obligations.
- Consultant may terminate this Agreement by a written notice to the client if Consultant determines that a law, regulation or anything having a similar import, or a circumstance (including cases where its ownership

or constitution has changed), makes the Consultant's performance of the Agreement impermissible or in conflict with independence or professional rules applicable to Consultant.

5.3.9 Payment upon Termination

Upon termination of this Contract pursuant to GCC Clauses 5.3.6 (1) or 5.3.6 (2), the Client may make the following payments to the Bidder:

- payment pursuant to GCC Clause 5.6 for Services satisfactorily performed prior to the effective date of termination.

5.4 Obligations of the Bidder

5.4.1 Standard of Performance

The Bidder shall perform the Services and carry out their obligations hereunder with all due diligence, efficiency and economy, in accordance with generally accepted professional standards and practices, and shall observe sound management practices, and employ appropriate technology safe and effective equipment, machinery, materials and methods. The Bidder shall always act, in respect of any matter relating to this Contract or to the Services, as faithful advisers to the Client, and shall at all times support and safeguard the Client's legitimate interests in any dealings with third Parties.

5.4.2 Confidentiality

Except with the prior written consent of the Client, the Bidder and the Personnel shall not at any time communicate to any person or entity any confidential information acquired in the course of the Services, nor shall the Bidder and the Personnel make public the recommendations formulated in the course of, or as a result of, the Services. Except as otherwise permitted by the Contract, neither of the parties may disclose to third parties the contents of the Contract or any information/report/advice provided by or on behalf of the other that ought reasonably to be treated as confidential and/or proprietary. Parties may, however, disclose such confidential information to the extent that it: (a) is or becomes public other than through a breach of the Contract, (b) is subsequently received by the receiving party from a third party who, to the receiving party's knowledge, owes no obligation of confidentiality to the disclosing party with respect to that information,

(c) was known to the receiving party at the time of disclosure or is thereafter created independently, (d) is disclosed as necessary to enforce the receiving party's rights under the Contract, or (e) must be disclosed under Applicable Law, legal process or professional regulations. These obligations shall be valid for a period of six (6) months post the date of termination of the Contract.

5.4.3 Accounting

The Bidder shall keep accurate and systematic accounts and records in respect of the Services hereunder, in accordance with internationally accepted accounting principles

and in such form and detail as will clearly identify all relevant time changes and costs, and the bases thereof.

5.5 Obligations of the Client

- a) Assistance and Exemptions - The Client shall use its best efforts to ensure that the Government shall provide the Bidder such assistance and exemptions as specified in the Contract.
- b) Change in the Applicable Law Related to Taxes and Duties: If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties, then the remuneration and reimbursable expenses payable to the Bidder under this Contract shall be increased or decreased accordingly under this Contract.

5.6 Payments to the Bidder

Professional fee and Payments

The total payment due to the Bidder shall be governed by the professional fee as agreed in this Contract and shall be inclusive of statutory taxes, duties, cess and levies in India during the contractual period except GST which will be paid extra by UP AWAS BANDHU at the rate applicable on the date of invoicing.

Terms and Conditions of Payment

Payments will be made to the account of the Bidder and according to the payment schedule stated in Section 4.7.

5.7 Good Faith

The Parties undertake to act in good faith with respect to each other's rights under this Contract and to adopt all reasonable measures to ensure the realization of the objectives of this Contract.

5.8 Settlement of Disputes

This Contract shall be governed by, and construed in accordance with, the laws of India.

5.8.1 Amicable Settlement

The Parties agree that the avoidance or early resolution of disputes is crucial for a smooth execution of the Contract and the success of the assignment. The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation. In the event of any dispute between the Parties arising out of or in connection with the Contract, including the validity thereof, the Parties hereto shall endeavour to settle such dispute amicably in the first instance. The attempt to

bring about an amicable settlement shall be treated as having failed as soon as one of the Parties hereto, after reasonable attempts, which shall continue for not less than 30 (thirty) days, gives a notice to this effect, to the other party in writing.

5.8.2 Arbitration

In case of such failure, the dispute shall be referred to a sole Arbitrator, who shall be appointed by the Parties by mutual consent, failing which each party shall appoint one Arbitrator each and together the two Arbitrators shall appoint an umpire. The Arbitration proceedings shall be governed by the (Indian) Arbitration and Conciliation Act, 1996 and shall be held in Gautam Budh Nagar, India. The language of arbitration shall be English. The Contract and the rights and obligations of the Parties shall remain in full force and effect, pending the award in any arbitration proceedings hereunder.

5.8.3 Jurisdiction

Any dispute arising in relation to this Contract or the Services shall be subject to the exclusive jurisdiction of the courts in Lucknow, Uttar Pradesh, or Hon'ble High Court of Allahabad, to which both the parties agree to submit for these purposes

5.8.4 Limitation of Liability

The Consultant's aggregate liability for all losses under this Agreement shall not exceed the total fees received under this Agreement.

Neither Party shall be liable to the other for any indirect, special, consequential, or punitive damages, including loss of business, data, profits, or goodwill, except in cases of wilful misconduct, fraud, or breach of confidentiality obligations.