

**Ministry of Energy
(Petroleum Division)
Geological Survey of Pakistan**



Request for Proposal (RFP)

For

**Hiring of Services for the Development, and Maintaining GIS Based Geodatabase
Solution and Integrated Field Data Collection Mobile App**

**Director Procurement (AGM)
Geological Survey of Pakistan
Trade Center near Expo Center,
M.A. Johar Town, Lahore
Ph. # 0092-42-99232932-3**



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Government of Pakistan
Ministry of Energy, Petroleum Division
Geological Survey of Pakistan

Tender Notice

1. Geological Survey of Pakistan (GSP), an attached department of Ministry of Energy (Petroleum Division), Government of Pakistan, invites sealed bids from the firms/ Service companies/ Consortium registered with Income Tax, Sales Tax Departments and who are on FBR's Active Taxpayer's List (ATL) for the **Development, and Maintaining GIS Based Geodatabase Solution and Integrated Field Data Collection Mobile App.**
2. Bidding documents can be downloaded from GSP website www.gsp.gov.pk and PPRA website www.ppra.org.pk.
3. A pre-bid meeting will be held on **16th April 2024 at 11:00 AM** at the office of the undersigned to provide an opportunity to the participating Bidders to interact with GSP with regard to various tender provisions/ clauses, before the bids are submitted.
4. The bids, prepared in accordance with the instructions in the Tender documents, along with **Earnest Money Deposit/Bid Security amounting 1% of the bid price in the shape of Bank draft/ Pay order** drawn in favor of Director General, Geological Survey of Pakistan may reach Office of the undersigned by **23rd April 2024 at 11:00 hours**. Technical bids will be opened on the **same day at 11:30 hours** in the presence of representatives of the bidders.
5. As per PPRA Rules 33(1), 2004, Geological Survey of Pakistan (GSP), Government of Pakistan, has the right to reject any or all bids/ proposals at any time prior to the acceptance of a bid/ proposal.

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SECTION – I
GENERAL INSTRUCTIONS TO BIDDERS

1. Introduction:

- 1.1. This section “General Instructions to Bidders” (GIB) provides the relevant information as well as instructions to assist the prospective Bidders in preparation and submission of tenders.
- 1.2. Bidders shall have to agree/accept all the terms and conditions of the Tender document including payment terms etc. Acceptance shall be unconditional and Bidders shall have no claim and right in future on their terms, if any.

2. Tender Language:

The tender submitted by the Bidder, all subsequent correspondence and documents relating to the tender exchanged between the Bidder and the GSP shall be written in English language.

3. Tender Validity:

- 3.1. The tenders shall remain valid for acceptance for a period of 180 days (one hundred eighty days) after the date of tender opening prescribed in the tender document.
- 3.2. The GSP reserves the right to accept or reject any tender or to cancel the tendering process and reject all tenders at any time prior to award of contract as per PPRA rules, without incurring any liability, whatsoever to the affected Bidder or Bidders.

4. Tendering Expenses:

The Bidder shall bear all the costs and expenditure incurred and/ or to be incurred by them in preparation and submitting their tender including attending the pre-bid conference and/ or arranging demonstration of Services or Presentations before the Committee that may be deemed necessary by the GSP.

5. Pre-bid Meeting:

- 5.1. Pre-bid conference shall be held as per given schedule so as to provide an opportunity to the participating Bidders to interact with GSP with regard to various tender provisions/ clauses, before the bids are submitted. Bidders should depute their authorized representative for a pre-bid meeting. In case, due to the points/doubts raised by the prospective Bidders are deemed necessary by the committee, they will be updated in the tender documents. After the pre-bid conference, terms & conditions and also TORs will be frozen. No change will be permissible after the pre-bid meeting. Clarification needed, if any, may be sent before commencement of pre-bid meeting. No reply in this regard shall be sent to individual Bidders.
- 5.2. GSP shall hold a pre-bid meeting with the prospective Bidders as per Notice Inviting Tender (NIT) details. Queries received in writing, from the Bidders, prior to the pre-bid meeting shall be addressed. The queries can be sent to GSP through email at muhammadimran@gsp.gov.pk, muhammadusman@gsp.gov.pk and/ or posted to Director Procurement, AGM Project, Geological Survey of Pakistan, Trade Center near Expo Center, M.A. Johar Town, Lahore.
- 5.3. Conditional tenders shall not be accepted on any ground and be rejected straightway. Queries sent Via email to aforementioned email addresses and/or by post at aforementioned address shall be entertained on or before pre-bid meeting. No correspondence will be entertained after the pre-bid meeting.

5.4. Regular visit of website: Prospective Bidders are advised to visit PPRA website

(<https://www.ppra.org.pk>) and GSP website(<https://gsp.gov.pk>) on regular basis for any change in NIT schedule, amendment / corrigendum in Tender Document including technical


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requirement and pre-bid minutes etc.

6. Bidder's Eligibility Criteria:

- 6.1. Successful Bidder should have an average turnover of 2 million PKR per annum during the last three years and must have experience in design, development of GIS based, dynamic solution in server environment.
- 6.2. Successful Bidders must have completed at least two similar nature of work (GIS based, Database oriented Dynamic solution and Mobile app) during the last 05 years.
- 6.3. Successful Bidder has to provide completion certificates from such clients.
- 6.4. The prime bidder must have a valid firm/company registration certificate and must be sales tax/income tax registered with FBR and must be on active taxpayer list.
- 6.5. The Bidder must provide the details on technical team.
- 6.6. The registration number, GST and NTN numbers of the firm must be submitted along with registration certificates (where necessary). Bids without these details will stand rejected at the time of evaluation of technical criteria and sealed financial bids will be returned to the bidder/bidders.
- 6.7. The Bidder must submit the details of agreements entered into with various Manufacturers/ Partners/ Subcontractors for execution of work as per TORs framed at the time of award of the contract for evaluation of technical criteria.
- 6.8. A self-certificate stating that the Bidder is not presently blacklisted and hasn't been blacklisted by any institution of the Federal/ Provincial Government in the past three years must be submitted.
- 6.9. The Bidders are requested to furnish documents to establish their eligibility for each of the above clauses. Relevant portions, in the documents submitted in pursuance of eligibility criteria mentioned above, should be highlighted. If tender were not accompanied by all the above documents mentioned, the same would be rejected. Undertaking for subsequent submission of any of the above documents will not be entertained. However, GSP reserves the right to seek a fresh set of documents or seek clarifications on the already submitted documents. If upon verification, evaluation/ assessment, the information furnished by the Bidder is found to be false/incorrect, their bid shall be summarily rejected and no correspondence on the same shall be entertained.
- 6.10. The bid submitted by any bidder failing to fulfill the eligibility conditions/criteria detailed above, will not be considered.

7. Bid Submission:

- 7.1. All information provided in the proposals should be firm, irrevocable, and not subject to change or escalation on any account. No modification, alteration or deletion in the provided information will be accepted after the bid submission.
- 7.2. This is "SINGLE STAGE TWO ENVELOPE BIDDING PROCEDURE" as per PPRA rules. The bidders shall submit their proposals in one sealed envelope containing two separate sealed envelopes marked as "Technical Proposal" and "Financial Proposal". Only Technical envelopes will be opened in the presence of bidders on 23rd April 2024 at 11:30am and financial proposal envelopes will stay in GSP custody till the opening of financial bids. Financial proposals from bidders that meet the technical qualification score will be opened in front of bidders. The final date of opening of Financial Bids which will be communicated to all the bidders who met the technical criteria in advance. Furthermore, final evaluation reports containing technical and financial evaluation will be published on


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GSP website and PPRA as well. After the finalization of evaluation, the successful bidder will be issued "Letter of Intent" which will be followed by the Contract agreement.

- 7.3. The original draft of bid security must be placed in the Financial Bid envelope. However, a copy of the original draft concealing the amount must be attached with the technical proposal.
- 7.4. Sealed proposals shall be received in the office of GSP within the deadline as mentioned above and bids will be opened on the same day at time indicated above in the presence of bidders or their authorized representatives who choose to attend.
- 7.5. The detailed proposal must be submitted at the address mentioned in the advertisement in person or by courier or by any other means, but it shall be the bidder's responsibility to ensure that proposals so submitted are delivered to the above address by the specified bids opening date and time. This office shall not be held responsible in any way for late receipt of the bid. Proposals received after the tender closing time shall not be considered and will be returned to the applicants unopened.
- 7.6. All the forms enclosed & information provided will be the basis for technical evaluation. Forms must be completed properly and with evidence. Incomplete information may lead to disqualification of the bidder.
- 7.7. Technical qualification criteria will be based on the mentioned requirements in subsequent sections of the tender document.
- 7.8. The proposals should be signed by a person having the authority for this purpose. In case of a proposal submitted by a corporate entity, the same shall bear its seal and be duly signed by its competent authority. All pages of the bid being submitted **must be sequentially numbered by the Bidder.**
- 7.9. The Bidder must quote for all items mentioned in Scope of the work, as per Financial Proposal/bid format given.
- 7.10. Without the earnest money deposit (EMD)/Bid Security, the bid will be treated as canceled.
- 7.11. **Technical Proposal should contain the following details, should be titled as "Technical Proposal.**

- Company profile and Infrastructure
- Registration Certificate
- All the mandatory documents required for Eligibility Criteria
- Compliance sheet as per **Form-E** and the supporting documents.
- Checklist section (as per **Form-H**) properly filled and signed.
- Submission of Tender Acceptance form as per format given in **Form-G.**
- Proof of Bid Security (a copy of original bank draft concealing the amount)
- The Technical Proposal, NOT containing the above documents or containing the financial bid (with price quote details) in explicit/ implicit form will lead to rejection of the bid.

7.12. **Financial Proposal:** The financial bid (as per the format specified in Form-I needs to be submitted in accordance with following guidelines.

- The rates are to be quoted in strict compliance to the format (specified in Form-I) otherwise the bid is liable to be rejected.
- The rates are to be quoted by the Bidders in Pakistani Currency and payment shall be made to successful Bidders in Pakistani currency only.


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- The Bidder shall bear all the applicable tax liability as per rates prevailing at the time of undertaking the job in accordance with the tax Ordinance/laws/rules/regulations.
- The price quoted should be inclusive of all applicable taxes and duties.

8. Opening of Tenders:

The GSP will open the tenders at the specified date and time and at the specified place as indicated in the Tender Notice. In case the specified date of tender opening falls on /is subsequently declared a holiday or closed day for the GSP, the tenders will be opened at the appointed time and place on the next working day. Authorized representatives of the Bidders, who have submitted tenders on time may attend the tender opening, provided they bring with them letters of authority from the corresponding Bidders. Two Bid system will be as follows. The Technical Proposals are to be opened in the first instance, at the prescribed time and date. These Tenders shall be scrutinized and evaluated by the competent committee/ authority with reference to parameters prescribed in the tender document. During the Technical Bids opening, the tender opening official(s) will read the salient features of the tenders like Eligibility Criteria, Earnest Money Deposit/Bid Security and any other special features of the tenders, as deemed fit by the tender opening official(s). Thereafter, in the second stage, the Financial Bids of technically qualified Bidders only shall be opened for further scrutiny and evaluation on a date notified to the technically qualified Bidders.

9. Unresponsive Bids:

The bids will be scrutinized to determine whether they are complete and meet the requirements, conditions etc. as prescribed in the tender document.

10. Technical Evaluation:

- 10.1. A duly constituted Technical Evaluation Committee (TEC) will first select Bidders based on the eligibility criteria of this tender. The Bids conforming to the eligibility criterion will be considered for further evaluation.
- 10.2. Bidders should present their offered solutions before the TEC for further evaluation of their technical proposal.
- 10.3. If during the preliminary examination, the GSP find any minor informality and/ or irregularity and/ or non-conformity in a tender, the GSP may waive the same provided it does not constitute any material deviation and financial impact and, also, does not prejudice or affect the ranking order of the Bidder. Wherever necessary, the GSP will convey its observation on such 'minor' issues to the Bidder asking the Bidder to respond by a specified date. If the Bidder does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be ignored.
- 10.4. Technical Evaluation Committee (TEC) will shortlist Technical Bids on the basis of technical parameters, presentation on offered technical solutions and features offered. The TEC can make any inquiry/ seek clarification from the Bidders on the offered Service Solution. In such a situation, the Bidder shall extend full cooperation. The Bidders can also be asked to give technical presentation/ discussion on the offered solution, in a short period notice, as such the Bidders have to be ready for the same.
- 10.5. For Detailed Technical Presentations/Discussions, Bidder has to ensure availability of appropriate specialists, along with required documentation for interacting with the Technical Evaluation Committee.


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- 10.6. No enquiry shall be made by the Bidder(s) during the course of evaluation of the tender, after opening of bid, till final decision is conveyed to the successful Bidder(s).
- 10.7. The names of technically short-listed Bidders will be announced to only those Bidders whose bids will qualify for opening of the Price/ Financial/ Commercial Bids.

TECHNICAL SELECTION CRITERIA

Sr #	Description	Marks
1	Mandatory Requirements <ul style="list-style-type: none"> • Firm Registration • Tax Registrations & Active Tax Payer 	-
2	Professional Expertise & Relevant Experience of the Firm/Bidder <ul style="list-style-type: none"> • Technical Portfolio / Primary Business Domains / Partnerships etc. • Details of relevant projects (only last 5) – Duration, Cost, Feedback etc. • Details of on-going projects (relevant only) – Duration, Cost, Team etc. • Full-time HR Portfolio • Office(s) Setup / Infrastructure • Professional Reputation 	25
3	Financial Profile <ul style="list-style-type: none"> • Financial statements etc. 	10
4	Proposed Project Plan & Methodology <ul style="list-style-type: none"> • Proposed Design, Duration/Timelines, Development/Execution Methodology, Consultation Mechanism, HR Portfolio, Proposed Platform, Benchmarking / Standards, Payment mechanism etc. 	50
5	Launching & Technical Support Plan/Methodology <ul style="list-style-type: none"> • Communication strategy, technical support services plan for launching & after-launch support etc. 	15

- Relative marking criteria will be used for evaluation/ranking
- Minimum 60% technical score for qualification & further evaluation
- Decision of the Evaluation Committee will be final

11. Financial Evaluation:

- 11.1. The Financial Bids of only those Bidders short-listed from the Technical Bids by TEC will be opened in the presence of their representatives on a specified date and time to be intimated to the respective Bidders, and the same will be evaluated by a duly constituted Finance Evaluation Committee (FEC).
- 11.2. There will be NO NEGOTIATION regarding the financial bid.
- 11.3. No enquiry shall be made by the Bidder(s) during the course of evaluation of the tender, after opening of bid, till final decision is conveyed to the successful Bidder(s). However, the Committee/ its authorized representative and office of


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GSP can make any inquiry/ seek clarification from the Bidders, which the Bidders must furnish within the stipulated time else the bid of such Bidders will be rejected.

12. Bid Security/Earnest Money Deposit (EMD):

- 12.1. The Bidder shall furnish along with its tender, Earnest Money for an amount as shown in the tender notice. The Earnest Money is required to protect the GSP rights against the risk of the Bidders unwarranted conduct. EMD also known as bid security deposit.
- 12.2. EMD of an amount as shown in Tender Notice has to be submitted through Bank Draft/ Bank Guarantee of any Scheduled Commercial Bank drawn in favor of the **Director General, Geological Survey of Pakistan.**
- 12.3. The earnest money shall be valid for a period of Thirty (30) days beyond the validity period of the tender.

13. Refund of EMD:

- 13.1. In the case of those Bidders who fail to qualify the eligibility criteria, the Earnest Money Deposit (EMD) will be refunded without any interest accrued immediately thereafter.
- 13.2. In the case of those Bidders whose technical bids do not qualify, the EMD will be refunded without any interest accrued within one month of the acceptance of TEC's recommendations.
- 13.3. In the case of those Bidders whose technical bids have qualified but are not selected, the EMD will be refunded without any interest accrued within one month of the acceptance of Financial Evaluation Committee's (FEC) recommendations.


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Section-II

Technical Specification

1. Background:

- 1.1. The Geological Survey of Pakistan (GSP) is an attached department of the Ministry of Energy (Petroleum Division), Government of Pakistan. It is a national organization which is primarily responsible for collection and dissemination of geological information about the country so that the earth's resources could be best exploited and utilized. The geological information is compiled and disseminated in the form of geological reports and maps.
- 1.2. The geological maps and their accompanying digital database incorporate geographical, geological, tectonic, and geochronological data in a form which can easily be manipulated using geographic information system (GIS) technology so that new ideas and insights for the map region can be tested. Essential to the ongoing research on the economic minerals of Pakistan, is the early design and implementation of a comprehensive GIS based database solution. It will integrate various types of geological maps and associated data, including mineralogical, geophysical, geochemical, geological cross-sections, stratigraphic sections, and borehole logs. This database will incorporate all the fields of Geoscientific research (geology; tectonics; geochronology; geochemistry; geophysics; exploratory drilling; etc.). It can enhance communication and collaboration between different stakeholders involved in mineral resource management, like geoscientists, engineers, managers, investors, regulators, and communities.
- 1.3. The GSP intends to have a GIS based geodatabase solution with integrated data collection mobile application.

2. Scope of Work:

2.1. Geological Database Solution and Smart Data Collection Mobile Application

- 2.1.1. Design, Development, and maintaining a GIS based geodatabase along with public Dashboard (tools like zoom-in and zoom-out, fit to screen, pan, search, measure, display mouse/cursor position in terms of latitude, longitude, overly of different layers etc.).

2.1.1.1. Key Features of GIS Solution will include:

- a) Creation, Storage and Processing of GIS data
- b) View Published Geological, Mineral Occurrences
- c) Simultaneously display maps from different map layers, including the transparency adjustment for displayed layers.
- d) Query for Mineral Occurrences Database.
- e) Query for datasets in the National Geological Database.
- f) Provide intuitive mouse control for simple map navigation and better user experience.
- g) Measure distances and areas with measuring functions within the map: 2D.
- h) Save and restore current map views.


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- i) Show overview window.
- j) Search and browse data (raster, vectors, services, and business data) via Explore Data Catalog Tab from National Geological Database Catalog archive.
- k) Provides 2D map control supporting the display of a base map and rendering other supported data sources properly.
- l) Data request form.
- m) Multilingual.
- n) Role based access for Content Management System (CMS) and users.

2.1.1.2. **General Instructions and Essential Requirements for GIS Solution**

- a) The bidder will be responsible to provide the detailed description of required hardware including but not limited to Servers, Network Switch, Firewall, power backup etc.
- b) The bidder will be responsible to design and develop the solution using its own logistics and hardware resources.
- c) Work closely with GSP at each stage of design/ development for understanding of requirements, functionalities, etc.
- d) Firms must implement the system with a selection of such Hardware and Software technologies that are able to provide security of the servers/ website/database/and other related entities.
- e) Latest, standard, proven technologies shall be used. Entire software Licensing (including third party, if any) shall be the responsibility of the bidder for sustaining the solution.
- f) Auto-backup of all the dynamic and static content of the database.
- g) Successful bidder should provide the source code with documentation of all customized software exclusively developed for this project under non-disclosure guarantee.
- h) Successful bidder should be ready to accommodate changes in web-application-software and its customization etc., to fulfill such requirements that may arise during the intervening period between preparation of this document and commissioning of the system within the scope of the project.
- i) Bidder shall provide onsite support during warranty and Comprehensive Annual Maintenance Contract (CAMC) period.
- j) The dashboard shall be compatible with all popular web browsers like Chrome, Mozilla, Opera, Edge, etc.
- k) Any other work/development/design/requirement etc. which is not mentioned here in this document but are operationally essential and may arise during the execution of work/design/development/testing/maintenance of the solution.
- l) The bidder will be responsible to link the solution with GSP website (<https://gsp.gov.pk>)


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- m) Solution is to be linked with the GSP website through an in-house server. Following sites/links may be seen for reference only for dashboard. (to have an idea about type of products to be catered on the solution tentatively).

<https://ngdp.sgs.gov.sa/ngp/>

<https://ngd.sgs.gov.sa/media/1049/ngd-portal-userguide-en.pdf>

https://ngmdb.usgs.gov/ngmdb/ngmdb_home.html

2.1.2. Design, Development, Hosting and Maintaining of Android and IOS native application for smart data collection in the field.

2.1.2.1. Key Features of application will include:

- a) Digital data entry forms of different templates (i.e. geological mapping, mineral investigations, geophysical surveys, and exploratory drilling)
- b) Live GPS location pointer on the base map
- c) Facility to acquire data on desired points through integrated GPS.
- d) Tools to snap geotagged photos and link them with data points.
- e) Facility to import and view interactively, the offline georeferenced maps and images.
- f) Display online maps like open street maps, satellite imageries etc. as base maps and facility to download and use base maps offline.
- g) Facility to add vector data by creating points, lines and polygon features and exporting the data to GIS platform.
- h) Integrated compass/clinometer to measure trends and orientation of geological features.
- i) Facility to share/export app data online to Desktop and web GIS solutions.

2.1.2.2. **General Instructions and Essential Requirements for Mobile Application**

- a) The bidder has the responsibility to release and maintain as well as update the app on IOS Appstore and Android Play store.
- b) The app should only be accessible to GSP employees through controlled user registration.
- c) The solution for mobile application needs to incorporate the data security of the client.
- d) Facility/mechanism of inclusion and or omission of products.
- e) Any other work/development/design/requirement etc. which is not mentioned here in this document but are operationally essential and may arise during the execution of work/design/development/testing/maintenance of the app.
- f) Responsive design of mobile application for various devices (min. 4" phone to all commercially available Tabs)
- g) The apps GEO5 Data Collector, FieldMove Clino, Qfield, PocketTransit, Lambert, ArcGIS Survey123, may be seen for reference only for Mobile application. (to have an idea about the type of products to be catered on the app tentatively).
- h) Latest, standard, proven technologies shall be used. Entire software Licensing (including third party, if any) shall be the responsibility of the bidder for sustaining the solution.


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- i) The successful Bidder is required to provide a turn-key solution, which would include supply / installation / development of the required software and other accessories & services thereof, for commissioning of the system (GIS Solution as well as Mobile App).

3. GSP's Obligation:

- 3.1. GSP will provide administrative support for the development and maintenance of the solution.
- 3.2. GSP will procure and install required hardware (i.e. Server including backup Server, Firewall, Network Switch, power backup etc. at its premises.
- 3.3. GSP will provide technical details and data to develop the GIS solution and mobile application.
- 3.4. GSP will provide, data files having geoscientific information to be incorporated in the system.
- 3.5. GSP will provide data collection templates to be incorporated in Mobile Application

4. Special Terms and Conditions

- 4.1. The firms will endeavor to carry out required job within specified time period communicated by the procuring agency at the time of award of job.
- 4.2. Payments with regards to the activities done by the firm will only be made in case the work done is approved by the management. Payment plan will be finalized at the time of contract signing on successful award. No claim for any payment in relation to rejected/unaccepted tasks will be entertained. Prospective bidders are required to deposit 1% (one percent) bid security which will be withheld in case services are not offered within the given deadline by the successful bidder.
- 4.3. Performance Standards: The firm will undertake to perform the services more specifically with the highest standards of professional/ethical competence and integrity. Furthermore, the firm undertakes to verify the technical specifications of developed/supplied/installed items/products/software/solutions. Performance guarantee arrangement will be finalized at the time of contract execution.
- 4.4. Personal Liability: The firm shall be held liable for its inability to meet procuring agency's deadlines and will be held responsible for its will-full failure to perform the services enumerated.
- 4.5. Warranties and Covenants: The firm hereby covenants that it has obtained all permissions, and is compliant with all laws, rules and regulations and meets all national/international standards of software/solutions development and that it will undertake to meet all deadlines for the successful and complete deployment of the solution.
- 4.6. Taxes and Duties: The payments will be subject to tax deduction at source as applicable under the relevant laws of the Government of Pakistan.
- 4.7. No incurrance of Liability: Neither Party shall, without the other Party's prior written approval, incur any liability on behalf of such other Party nor make any representation unless defined nor give any warranty on behalf of such other Party.
- 4.8. Termination: The award of job may be terminated by the procuring agency in case the firm is unable to process further / complete the job without making any payments.
- 4.9. Confidentiality: The firm shall ensure that its attorney, officers, directors, professionals and agents, and each of its respective permitted successors and assigns, will hold in


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confidence all documents and other information and whether technical or commercial which is of a confidential nature supplied to it by or on behalf of GSP relating to this project and shall not (save as required by law or appropriate regulatory authorities or prospective lenders, or investors as aforesaid), publish or otherwise disclose or use the same of any of its obligatory other than as set out. If the award is terminated for any cause the firm undertakes to deliver to management or to its designated representatives, compilations / studies and other documents and similar materials and copies thereof. Any confidential information provided, disclosed or revealed to the firm, its offices, employee's agents and representatives prior to the date hereof shall be subject to all the terms.

4.10. Governing Law: The firm shall be solely governed by the substantive and procedural laws of the Islamic Republic of Pakistan and the language of correspondence and reporting shall be English.

4.11. Testing and Acceptance: Firm should submit a test and acceptance plan well in advance for the approval by the GSP. The test and acceptance plan must include the following.

4.11.1 GIS Database Dashboard should be continuously accessible except during power failure and should be live without fail/crash for continuous 15 days on 24x7 basis.

4.11.2 Requisite information on the GIS solution as well as on mobile application should be accessible on the fly.

4.12. Warranty and CAMC: Entire system including Dashboard, associated softwares, applications and Mobile APP, etc. shall be under warranty for 24 months from the date of acceptance & commissioning of the system. Post warranty, the complete system shall be under comprehensive AMC for 36 months from the date of expiry of warranty. Upgradation of the system if required due to any change in technology, software, or any other unforeseen reasons, shall be done by the firm during warranty and AMC period.

4.13. Penalty Clause: The complete system should be failure proof at any point of time except during power or hardware failure (during warranty and CAMC period) without which a penalty shall be imposed as per following:

4.13.1. During Warranty

Down time of System	Penalty
Less than 2 Hour	NIL
2-4 Hour	0.1% of the total work order excluding CAMC Charges
4-8 Hour	0.5% of the total work order excluding CAMC Charges
More than 8 Hour	In addition to above @ 0.1% per hour of the total work order excluding CAMC Charges subject to ceiling of 5% of the total work order excluding CAMC Charges per quarter

Beyond the 5% limit period, the GSP is free to get issues resolved through outside vendors and recover the amount thereof from Performance security.

4.13.2. During CAMC

Down time of System	Penalty


MUHAMMAD USMAN JEELANI
 Chemist
 Geological Survey of Pakistan
 Lahore.

Less than 2 Hour	NIL
2-4 Hour	0.1% of CAMC Charges
4-8 Hour	0.5% of CAMC Charges
More than 8 Hour	In addition to above @ 0.1% per hour CAMC Charges subject to ceiling of 5% of the total CAMC Charges per two quarters.

Beyond the 5% limit period, the purchaser is free to get issues resolved through outside vendors and recover the amount thereof from Performance security.

- 4.14. Training:** Firm shall provide 10 working days training each for maintenance/administration and operation of the complete system for 10 GSP officials. Firm shall also provide training material in hard and soft copy separately each for system maintenance/ administration and system operation.
- 4.15. Documentation:** Firm shall provide three sets of hard copy along with softcopies of “Technical manual”, “Operational manual’ and “System Administrator manual”.
- 4.16. Licensing:** Bidder must provide lifetime licenses for all the applicable software and services; if any.
- 4.17. Firm will provide** educational details and working experience of the persons (Software developer/Program Manager/Coordinator etc.) who are going to handle this project till the final products go live.
- 4.18.** Firm will not have any kind of ownership of the developed system including data/codes/scripts/tools/software generated /produced /developed/ inferred for this work.


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 Chemist
 Geological Survey of Pakistan
 Lahore.

PROFILE OF THE FULL-TIME TECHNICAL TEAM

Give the profiles of key peoples/core members who will be involved in the subject project. Roles & Responsibilities to be mentioned clearly.

Sr. #	Item	Detail
1	Name	
2	Role in subject project	
3	Current job title	
4	Experience in years	
5	Number of years with the organization	
6	Number of Similar Projects Handled	
7	Number of Other Projects	
8	Summary of Professional / Domain Experience	
9	Highlights of assignments handled and significant accomplishments	
10	Educational Background, Trainings/ Certifications	

*Additional pages may be used, if required. Format may be changed.

(Signature of the Bidder)
Name, Sign and Stamp


 MUHAMMAD USMAN JEELANI
 Chemist
 Geological Survey of Pakistan
 Lahore.

DETAIL OF OFFICES

Sr. #	Address	City	Contact Number

*Additional pages may be used if required.

(Signature of the Bidder)
Name, Sign and Stamp


MUHAMMAD ESMAN JEELANI
Chemist
Geological Survey of Pakistan
Lahore.

Form-D

FINANCIAL INFORMATION (If Any)

(Please attach copies of Audited Financial Statement(s), if any)

Gross Turnover of the Firm/ Company

FY 2020-21	FY 2021-22	FY 2022-23


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Lahore.

(Signature of the Bidder)
Name, Sign and Stamp

COMPLIANCE CERTIFICATE/UNDERTAKING

I, (Name); (CNIC#); (Designation), (Company Name) have gone through the Terms/Conditions of this TENDER Document and have found the document in whole as non-biased to any particular company/contractor/vendor or product/ brand. I hereby undertake and firmly bound myself to abide by/ comply with all sections / conditions of this TENDER Document.

I do not have any objection/comment on any item and fully understand the item as compliant with PPRA Rules.

Authorized Signature of the bidder: _____

Name and Title of Signatory: _____


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Chemist
Geological Survey of Pakistan
Lahore.

FORMAT OF AUTHORITY LETTER

Authority Letter

Know all men by these presents, we (name of the company and address of the registered office) do hereby appoint and authorize Mr./Ms. (full name and CNIC #) who is presently employed with us and holding the position of [_____] in [name of the company] to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our proposal for the development & launching of GIS Solution in response to the TENDER invited by the GSP including signing and submission of all documents and providing information/responses to GSP in all matters in connection with our expression.

We hereby agree to ratify all acts, deeds and things lawfully done by our said authorized representative pursuant to this Authority Letter and that all acts, deeds and things done by our aforesaid authorized representative shall and shall always be deemed to have been done by us.

Dated this ____ day of April, 2024.

For:

[Signature]

[Name, designation and Address]

Accepted

[Signature]

[Name, title address of the Authorized Representative]

Date:


MUHAMMAD USMAN JEELANI
Chemist
Geological Survey of Pakistan
Lahore.

TENDER Submission**The Director Procurement (AGM)**

Geological Survey of Pakistan (GSP)

Trade Center near Expo Center, M.A. Johar Town, Lahore

Ph. 0092 42 99232932, 99232934

Reference your advertisement dated _____
 _____ regarding TENDER for Hiring of Services for the Development,
 and Maintaining GIS Based Geodatabase Solution and Integrated Field Data Collection Mobile App

1. We, hereby submit our bid along-with the requirements as per the TENDER document. We acknowledge that GSP is not bound to accept any proposal in this regard and reserve the right to accept or reject any offer and to annul the TENDER process and reject all proposals with/without assigning any reason or having to owe any explanation whatsoever, as per PPRA guidelines.
2. The decision of the Selection / Evaluation Committee shall be final and the Committee will not be liable for any loss or damage to any party acting in reliance thereon.
3. We agree to respond to GSP requests within required time in case we qualify for the subject project as mentioned in TENDER documents.
4. We submit herewith our bid as one original.
5. We undertake that all the information submitted by us is correct and true to the best of our knowledge and belief and nothing has been concealed and misstated by us in the TENDER. In case any information is found wrong, misleading or misstated in this TENDER, the same may lead to rejection of our bid and our disqualification for further proceedings in the subject procurement process.
6. We declare that our TENDER is our only and final and no unsolicited offer of any description shall be made for consideration of the GSP.

Authorized Signature:


Name and Title of Signatory:

Name & Address of Firm:


 MUHAMMAD USMAN JELLANI
 Chemist
 Geological Survey of Pakistan
 Lahore.

Mandatory Requirements for Bidders

S/N	Attributes	Reference Page in Proposal
1.	Complete firm profile including name, office address, telephone/fax and e-mail address and web address (if any), contact person details etc.	
2.	Proof of Certificate of Incorporation of Registration (SECP), if applicable	
3.	NTN & GST registration certificates	
4.	Audited Financial Statements, if applicable	
5.	Proof of Experience	
6.	List of Clients of similar projects along-with Clientele testimonials (References / Recommendations, if any)	
7.	Proof of Specific / Similar Jobs Completed	
8.	Profiles of all employees who will carry out this assignment, if awarded.	
9.	Details of established office setup	
10.	Signed TENDER submission form.	
11.	Authority Letter for the appointment of an authorized representative.	
12.	Undertaking that the Bidder/firm and its employee(s) have never been blacklisted by any government, semi-government, autonomous or state-owned organization and their cases regarding black listing are not under trial by any Court of Law	
13.	Proof of any other information provided for submission of this TENDER.	
14.	Proof of 1% Bid Security	


 MUHAMMAD USMAN JILANI
 Chemist
 Geological Survey of Pakistan
 Lahore.

Financial bid form

SN	Item	Rate (PKR)
1	Design, Development, Installation, Commissioning of GIS based geodatabase along with public Dashboard	
2	Development of integrated mobile application	
3	Post warranty Comprehensive Annual Maintenance Contract for three years^	
4	Development of mobile app	
5	Hosting and maintaining of app at Play store and App store	
6	Total (1+2+3+4+5+6)	

^ shall be paid post warranty; half yearly basis on completion of period.

Signature of Tenderer _____

Seal of Tenderer _____


 MUHAMMAD USMAN QURESHI
 Chemist
 Geological Survey of Pakistan
 Lahore.

