



GUJARAT INFORMATICS LIMITED

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Phone No: 23256022, Fax No: 23238925

Revised Bid Document Dated 21.07.2017

**Bid for Purchase of
Engineering Seismograph, Radon Monitoring System
(Soil), Radon Monitor in water, Gas Chromatograph for
Helium Detection, Automatic weather monitoring system
& ULF Magnetometer instruments on behalf of
Institute of Seismological Research, Gandhinagar,
Department of Science & Technology, Govt. of Gujarat.**

(Tender no. HWT060717443)

Pre bid Meeting: 15.07.2017 at 1500 hours (Concluded)

Last Date of Receipt of Bid : 10.08.2017 till 1500 hours

Last Date of Submission of Bid Processing Fees & EMD: 10.08.2017 till 1500 hours

Date of Opening of Bid : 10.08.2017 at 1700 hours

Bid Processing Fee: Rs. 15,000

Gujarat Informatics Limited (hereinafter referred to as "GIL"), intend to invite offers through e-Tendering route for supply, installation, commissioning and maintenance of Engineering Seismograph, Radon Monitoring System (Soil), Radon Monitor in water, Gas Chromatograph for Helium Detection, Automatic weather monitoring system & ULF Magnetometer instruments on behalf of Institute of Seismological Research (ISR), Gandhinagar, Department of Science & Technology, Govt. of Gujarat (Tender no. HWT060717443).

Eligibility Criteria for the bidder:

The entities eligible for participating in the bid process shall be any one of the following two categories:

- Category 1: A Single Bidder
- Category 2: A Consortium of bidders as defined below (hereinafter referred to as "Consortium"). In case, foreign company wants to quote in this bid and he does not have presence in India, then they may quote through their authorized Indian entity.
 1. The consortium of maximum two (2) partners is allowed to participate in the bid. Either partner should fulfill eligibility criterion pertaining to their area of competence and one of them would be considered as Prime bidder as decided by them to whom the project would be given for execution and the Prime bidder would be responsible for execution of the complete project and comply with all terms & conditions of the bid.
 2. A consortium agreement must be submitted on Rs. 100 stamped paper duly signed by the consortium member. The consortium agreement must clearly specify the eligibility criterion which they fulfill and outline their roles and responsibilities.
 3. The authorized signatories of the consortium members should execute a Power of Attorney to nominate one person of the Prime bidder as an authorized signatory of the consortium. All authorized signatories of consortium members should submit Board resolutions by their respective entities in order to support their authorization to sign the document.
 4. The authorized signatory should sign all communications including the proposal and it shall be binding on both the consortium members.
 5. Every consortium member shall furnish an undertaking on the letter head of their respective companies stating that they have read and understood the entire tender document and agree with all the terms and conditions stated in the bid.
 6. A consortium member cannot participate as a member of any other consortium or apply in its individual capacity for this Project.
 7. The composition of consortium shall not be changed during bidding or period of contract including implementation and operation of this project.
 8. The purchase order will be issued to prime bidder. The performance bank guarantee will have to be submitted by the prime bidder and the payment will be released to prime bidder.

Item no. 1. Engineering Seismograph

1. The bidder/any consortium partner should have average annual turnover of Rs.1 Crore for the last two years. The copies of Audited Annual Accounts for last two years shall be attached along with the bid.**(Formno.E-1)**
2. The bidder/any consortium partner should have experience of having supplied Engineering Seismograph to Govt. institutes /Govt. Departments/ Govt. boards. Bidders should have completed a single project of similar type costing not less than Rs.20 lacs in the last 3 years.**(Formno.E-2)**
3. The bidder should be authorized by its OEM to quote this bid **(Formno.E-3)**.
4. The bidder/any consortium partner should be an authorized Indian representative of the manufacturer, who must have manufactured, tested and supplied at least one unit of the Engineering Seismograph similar to the type specified in this bid to any of the reputed

organization/institute within last 3 years.

5. The Goods/Software and services offered or supply must be of the most recent versions/models incorporating the latest improvements in design. Further, bidder/ any consortium partner should be in continuous business of manufacturing products similar to that specified in the technical specifications section of each item during the last 3 years prior to bid opening, and should not be blacklisted by Indian or any state Govt. or any Govt. board/ Nigam/ institute/ society/ corporations etc.
 - (a) Bid of bidder/any consortium partner quoting as authorized representative of a manufacturer meeting with the above requirement in full can also be considered provided
 - The manufacturer furnishes authorization assuring full guarantee and warranty obligations.
 - The bidder/any consortium partner as authorized representative has supplied, installed and commissioned satisfactorily at least one unit of the Engineering Seismograph, which must be in satisfactory condition.

Item no. 2. Radon Monitoring System (Soil)

1. The bidder/any consortium partner should have average annual turnover of Rs.50 Lacs for the last two years. The copies of Audited Annual Accounts for last two years shall be attached along with the bid.**(Formno.E-1)**
2. The bidder/any consortium partner should have experience of having supplied Radon Monitoring System (Soil) to Govt. institutes /Govt. Departments/ Govt. boards. Bidders should have completed a single project of similar type costing not less than Rs.20 lacs in the last three years.**(Formno.E-2)**
3. The bidder should be authorized by its OEM to quote this bid **(Formno.E-3)**.
4. The bidder/any consortium partner should be an authorized Indian representative of the manufacturer, who must have manufactured, tested and supplied at least five units of the Radon Monitoring System (Soil) similar to the type specified in this bid to any of the reputed organization/institute within last 3 years.
5. The Goods/Software and services offered or supply must be of the most recent versions/models incorporating the latest improvements in design. Further, bidder/ any consortium partner should be in continuous business of manufacturing products similar to that specified in the technical specifications section of each item during the last 3 years prior to bid opening, and should not be blacklisted by Indian or any state Govt. or any Govt. board/ Nigam/ institute/ society/ corporations etc.
 - (a) Bid of bidder/any consortium partner quoting as authorized representative of a manufacturer meeting with the above requirement in full can also be considered provided:
 - The manufacturer furnishes authorization assuring full guarantee and warranty obligations.
 - The bidder/any consortium partner as authorized representative has supplied, installed and commissioned satisfactorily at least one unit of the Radon Monitoring System (Soil), which must be in satisfactory condition.

Item no. 3. Radon Monitor in water

1. The bidder/any consortium partner should have average annual turnover of Rs.50 lacs for the last two years. The copies of Audited Annual Accounts for last two years shall be attached along with the bid.**(Formno.E-1)**
2. The bidder/any consortium partner should have experience of having supplied Radon Monitor in water to Govt. institutes /Govt. Departments/ Govt. boards. Bidders should have completed a single project of similar type costing not less than Rs.20 lacs in the last three years.**(Formno.E-2)**
3. The bidder should be authorized by its OEM to quote this bid **(Formno.E-3)**.
4. The bidder/any consortium partner should be an authorized Indian representative of the manufacturer, who must have manufactured, tested and supplied at least three units of the Radon Monitor in water similar to the type specified in this bid to any of the reputed organization/institute within last 3 years.
5. The Goods/Software and services offered or supply must be of the most recent versions/models incorporating the latest improvements in design. Further, bidder/ any consortium partner should be in continuous business of manufacturing products similar to that specified in the technical specifications section of each item during the last 3 years prior to bid opening, and should not be blacklisted by Indian or any state Govt. or any Govt. board/ Nigam/ institute/ society/ corporations etc.
 - (a) Bid of bidder/any consortium partner quoting as authorized representative of a manufacturer meeting with the above requirement in full can also be considered provided:
 - The manufacturer furnishes authorization assuring full guarantee and warranty obligations.
 - The bidder/any consortium partner as authorized representative has supplied, installed and commissioned satisfactorily at least one unit of the Radon Monitor in water, which must be in satisfactory condition.

Item no. 4. Gas Chromatograph for Helium Detection

1. The bidder/any consortium partner should have average annual turnover of Rs.50 lacs for the last two years. The copies of Audited Annual Accounts for last two years shall be attached along with the bid.**(Formno.E-1)**
2. The bidder/any consortium partner should have experience of having supplied Gas Chromatograph for Helium Detection to Govt. institutes /Govt. Departments/ Govt. boards. Bidders should have completed a single project of similar type costing not less than Rs.20 lacs in the last three years.**(Formno.E-2)**
3. The bidder should be authorized by its OEM to quote this bid **(Formno.E-3)**.
4. The bidder/any consortium partner should be an authorized Indian representative of the manufacturer, who must have manufactured, tested and supplied at least one unit of the Gas Chromatograph for Helium Detection similar to the type specified in this bid to any of the reputed organization/institute within last 3 years.
5. The Goods/Software and services offered or supply must be of the most recent versions/models incorporating the latest improvements in design. Further, bidder/ any consortium partner should be in continuous business of manufacturing products similar to that specified in the technical specifications section of each item during the last 3 years prior to bid opening, and should not be blacklisted by Indian or any state Govt. or any Govt. board/ Nigam/ institute/ society/ corporations etc.

- (a) Bid of bidder/any consortium partner quoting as authorized representative of a manufacturer meeting with the above requirement in full can also be considered provided:
- The manufacturer furnishes authorization assuring full guarantee and warranty obligations.
 - The bidder/any consortium partner as authorized representative has supplied, installed and commissioned satisfactorily at least one unit of the Gas Chromatograph for Helium Detection, which must be in satisfactory condition.

Item no. 5. Automatic weather monitoring system

1. The bidder/any consortium partner should have average annual turnover of Rs.25 lacs for the last two years. The copies of Audited Annual Accounts for last two years shall be attached along with the bid.**(Formno.E-1)**
2. The bidder/any consortium partner should have experience of having supplied Automatic weather monitoring system to Govt. institutes /Govt. Departments/ Govt. boards. Bidders should have completed a single project of similar type costing not less than Rs.10 lacs in the last three years.**(FormNo.E-2)**
3. The bidder should be authorized by its OEM to quote this bid **(Formno.E-3)**.
4. The bidder/any consortium partner should be an authorized Indian representative of the manufacturer, who must have manufactured, tested and supplied at least five units of the Automatic weather monitoring system similar to the type specified in this bid to any of the reputed organization/institute within last 3 years.
5. The Goods/Software and services offered or supply must be of the most recent versions/models incorporating the latest improvements in design. Further, bidder/ any consortium partner should be in continuous business of manufacturing products similar to that specified in the technical specifications section of each item during the last 3 years prior to bid opening, and should not be blacklisted by Indian or any state Govt. or any Govt. board/ Nigam/ institute/ society/ corporations etc.
 - (a) Bid of bidder/any consortium partner quoting as authorized representative of a manufacturer meeting with the above requirement in full can also be considered provided:
 - The manufacturer furnishes authorization assuring full guarantee and warranty obligations.
 - The bidder/any consortium partner as authorized representative has supplied, installed and commissioned satisfactorily at least one unit of the Automatic weather monitoring system, which must be in satisfactory condition.

Item no. 6. ULF Magnetometer

1. The bidder/any consortium partner should have average annual turnover of Rs.50 lacs for the last two years. The copies of Audited Annual Accounts for last two years shall be attached along with the bid.**(Formno.E-1)**
2. The bidder/any consortium partner should have experience of having supplied ULF Magnetometer to Govt. institutes /Govt. Departments/ Govt. boards. Bidders should have completed a single project of similar type costing not less than Rs.20 lacs in the last three years.**(FormNo.E-2)**
3. The bidder should be authorized by its OEM to quote this bid **(Formno.E-3)**.
4. The bidder/any consortium partner should be an authorized Indian representative of the manufacturer, who must have manufactured, tested and supplied at least one unit of the ULF

Magnetometer similar to the type specified in this bid to any of the reputed organization/institute within last 3 years.

5. The Goods/Software and services offered or supply must be of the most recent versions/models incorporating the latest improvements in design. Further, bidder/ any consortium partner should be in continuous business of manufacturing products similar to that specified in the technical specifications section of each item during the last 3 years prior to bid opening, and should not be blacklisted by Indian or any state Govt. or any Govt. board/ Nigam/ institute/ society/ corporations etc.
 - (a) Bid of bidder/any consortium partner quoting as authorized representative of a manufacturer meeting with the above requirement in full can also be considered provided:
 - The manufacturer furnishes authorization assuring full guarantee and warranty obligations.
 - The bidder/any consortium partner as authorized representative has supplied, installed and commissioned satisfactorily at least one unit of the ULF Magnetometer, which must be in satisfactory condition.

1. **The authentic certificates / testimonials in proof of possessing above minimum eligibility criteria shall have to be enclosed with the tender documents failing which the tender shall be rejected out rightly. (An audited balance sheet with I.T. return and VAT/Service Tax documents to be enclosed for last three consecutive years).**
2. **The bidders can quote single or multiple items. Evaluation will be done item wise i.e., each item will get one L₁ (lowest bidder).**

Note: Bidders who wish to participate in this bid will have to register on <https://gil.nprocure.com>. Further bidders who wish to participate in online bids will have to procure Digital Certificate as per Information Technology Act 2000 using which they can sign their electronic bids. Bidders can procure the same from (n) code solutions – a division of GNFC Ltd., or any other agency licensed by Controller of Certifying Authority, Govt. of India. Bidders who already have a valid Digital Certificate need not procure a new Digital Certificate.

Scope of Work:

Item no. 1. Engineering Seismograph

- Forty-eight channel Engineering Seismograph is required for carrying out MASW, Seismic Refraction and Reflections Surveys for estimation of P-wave and S-wave velocities of subsurface layers. The equipment's technical specifications should be suitable to carry out Multichannel Analysis of Surface Waves (MASW), Seismic Refraction and Seismic Reflections Surveys. The Engineering Seismograph and its accessories should be suitable to sustain and withstand rugged field conditions. The operation of equipment and acquisition and processing software should be user-friendly with all necessary suitable option.
- The bidder has to supply 01 nos. of Engineering Seismograph with cables as per the specifications stipulated in this tender to ISR, Raisan, Gandhinagar, India. The bidder has to demonstrate the workability of 01 nos. of Engineering Seismograph for MASW, Seismic Refraction and Reflections Surveys in rugged field conditions with demonstration of software features supplied along with the Engineering Seismograph.
- The supplied Engineering Seismograph should be under two years warranty period from the date of acceptance of the goods.
- The Bidder is therefore required to supply, install, configure, and integrate the complete H/w and S/w modules to meet the requirements as per Tender document.

Item no. 2. Radon Monitoring System (Soil)

- The Radon Monitoring System (Soil) is intended for continuous monitoring of the radon in the ground, water and air, ²²²Rn, temperature, atmospheric pressure, shocks, battery voltage, humidity, rain gauge with specific application in gas monitoring for earthquake studies.
- The bidder has to supply 10 nos. of Radon Monitoring System (Soil) with cable as per the specifications stipulated in this tender to ISR, Raisan, Gandhinagar, India.
- All the supplied Radon Monitoring System (Soil) and cable should be under two year warranty period from the date of acceptance of the goods.
- The Bidder is therefore required to supply, install, configure and integrate the complete H/w and S/w modules to meet the requirements as per Tender document.

Item no. 3. Radon Monitor in water

- The Radon Monitor in water is intended for continuous monitoring of the radon in the ground, water and air, Radon-²²² and Radon-²²⁰ (Thoron), temperature, atmospheric pressure, shocks, battery voltage with specific application in gas monitoring for earthquake studies.
- The bidder has to supply 3 nos. of Radon Monitor in water with cable as per the specifications stipulated in this tender to ISR, Raisan, Gandhinagar, India.
- All the supplied Radon Monitor in water and cable should be under two year warranty period from the date of acceptance of the goods.
- The Bidder is therefore required to supply, install, configure and integrate the complete H/w and S/w modules to meet the requirements as per Tender document.

Item no. 4. Gas Chromatograph for Helium Detection

- The Gas Chromatograph for Helium Detection is intended for continuous monitoring of the Helium and other gases with specific application in gas monitoring for earthquake studies.
- The bidder has to supply 3 nos. of Gas Chromatograph for Helium Detection with cable as per the specifications stipulated in this tender to ISR, Raisan, Gandhinagar, India.
- All the supplied Gas Chromatograph for Helium Detection and cable should be under two year warranty period from the date of acceptance of the goods.
- The Bidder is therefore required to supply, install, configure and integrate the complete H/w and S/w modules to meet the requirements as per Tender document.

Item no. 5. Automatic weather monitoring system

- The Automatic Weather Station is intended to monitor the Air Temperature, Relative Humidity, Wind Speed, Wind Direction, Precipitation Sensor and other meteorological parameters on continuous mode.
- The bidder has to supply 10 nos. of Automatic Weather Station with cable as per the specifications stipulated in this tender to ISR, Raisan, Gandhinagar, India.
- All the supplied Automatic Weather Station and cable should be under two year warranty period from the date of acceptance of the goods.
- The Bidder is therefore required to supply, install, configure and integrate the complete H/w and S/w modules to meet the requirements as per Tender document.

Item no. 6. ULF Magnetometer

- The ULF induction coil magnetometer is intended for the study of magnetic field fluctuations in the frequency band 0.001...30 Hz in land conditions and is ideal for ULF earthquake precursors monitoring.
- The bidder has to supply 3 nos. of ULF induction coil magnetometers with cable as per the specifications stipulated in this tender to ISR, Raisan, Gandhinagar, India.
- All the supplied ULF induction coil magnetometers and cable should be under two year warranty period from the date of acceptance of the goods.
- The Bidder is therefore required to supply, install, configure and integrate the complete H/w and S/w modules to meet the requirements as per Tender document.

The terms and conditions are as follows:

- 1 The last date of submission of bid on the website <https://gil.nprocure.com> is **10.08.2017 till 1500 hours**. All the documents need to be uploaded online. Only bid-processing fees, EMD & bank guarantee has to be submitted in physical form. Further, GIL reserves the right to ask the bidders to submit additional documents and/or any other documents in physical form.
- 2 The bid is non-transferable.
- 3 **The Bidder may quote either one section and/or all the sections in the bid (i.e. only one product can be quoted) against each item.** Bidders are required to mention make & Model of the product (Do not write "OEM" against items as bidders are expected to give make & model of the product).
- 4 The bidder will have to supply, install, commission & maintain and provide operational training for supplied Engineering Seismograph, Radon Monitoring System (Soil), Radon Monitor in water, Gas Chromatograph for Helium Detection, Automatic weather monitoring system & ULF Magnetometer instruments and demonstrate the workability at ISR, Gandhinagar. ISR will carry out necessary installation/integration across the state of Gujarat.
- 5 In case the quoted Item is not available in the market, the bidder will have to supply Higher Version/replacement of that Item in the quoted cost in the same time duration with prior approval of GIL. No "End of Life" product should be quoted to minimize such instances. (Make & Model quoted by the bidder should be available till the bid validity, duly supported for spares/OEM support for warranty period).
- 6 The Bidder shall bear all the costs associated with the preparation and submission of its bid, and GIL will in no case will be responsible or liable for these costs, regardless of conduct or outcome of bidding process.

- 7 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser shall be written in English language. Supporting documents and printed literature & brochures furnished by the Bidder should be in English language.
- 8 The bidder has to upload the compliance letter on its letter head duly signed by the authorized signature & other supporting documents as asked for in the bid in scanned format. Failing to submit the same or non-compliance/deviation from any bid terms and conditions, eligibility criteria or technical specifications may result in rejection of the bid.
- 9 The Bidder has to examine all instructions, forms, terms, conditions and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in rejection of its bid.
- 10 The Bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all Goods/Software and services, which the Bidder proposes to supply under the contract.
- 11 The documentary evidence of the Goods/Software and services eligibility shall consist of a statement in the Price Schedule on the country of origin of the Goods/Software and services offered which shall be confirmed by a certificate of origin at the time of shipment.
- 12 The documentary evidence of conformity of the Goods/Software/Software and services to the bidding documents may be in the form of literature, drawings and data, and shall consist of:
 - a detailed description of the essential technical and performance characteristics of the Goods/Software;
 - a list giving full particulars, including available sources and current prices, of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods/Software for a period of two years, following commencement of the use of the Goods/Software by the Purchaser; and
 - an item-by-item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the Goods/Software/Software and services to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications
- 13 All the bids submitted shall also include the following information:
 - (a) Copies of original Technical Bid documents defining the constitution on legal status, place of registration and principle place of business of the company or firm or partnership etc.
 - (b) The bidder should furnish a brief write up backed up with adequate data, explaining his available capacity and experience – both technical & commercial, for the manufacture and supply of the required systems and equipments within specified time of completion after meeting all their current commitments.
 - (c) The bidder should clearly confirm that all the facilities exist in his factory for inspection and testing and these will be made available to the purchaser or his representative for inspection.
 - (d) Details of the Service Centers and information on the service support facilities that would be provided after the warranty period, Bidder should have a registered office or authorized Service centre or authorized representative in India.
 - (e) Reports on financial standings of the bidder such as profit & loss statement, balance sheets and auditor's report for the past three years.
 - (f) Report on Past performance of items specified in the schedule of requirement in the academic institutes.

(g) Original literature of the items specified in the schedule of requirements, Computer print outs of the literature will not be valid.

- 14 Amendment of Bidding Documents (Corrigendum)
- 14.1 At any time prior to the deadline for submission of bids, GIL may, for any reason, whether its own initiative or in response to the clarification request by a prospective bidder, modify the bidding documents.
- 14.2 The corrigendum will be published on website <https://gil.nprocure.com>.
- 14.3 In order to allow prospective bidders reasonable time to take into consideration the amendments while preparing their bids GIL, at its discretion, may extend the deadline for the submission of bids.
- 15 Bid Currency – **Prices shall be quoted in INR/USD/EURO/CAD. However the final price will be converted in to Indian rupees.** The currency conversion rates will be taken from RBI's conversion rate on the date of financial bid opening for **INR = Indian Rupee, USD = United States Dollar & EURO=official currency of Eurozone. For CAD = Canadian Dollar, the currency conversion rates will be taken from "http://www.hdfcbank.com/nri_banking/Foreign_Exchng_Rates/Foreign_Exchng_Rates.asp " on the date of financial bid opening.**
- 16 The Bidder shall indicate on the Price Schedule, the unit price and total bid prices of the Goods/Software/ it proposes to supply under the Contract. Bidders shall quote for the complete requirement of Goods/Software/Software and services specified under each schedule/item on a single responsibility basis, failing which such bids will not be taken into account for evaluation and will not be considered for award.
- 17 Prices indicated on the Price Schedule shall be entered separately in the following manner:
- The price of the Goods/Software, quoted (ex-works, ex-factory, ex-showroom, ex-warehouse, or off-the-shelf, installation and commissioning as applicable), including all duties and sales and other taxes already paid or payable:
 - a. On components and raw material used in the manufacture or assembly of Goods/Software quoted ex-works or ex-factory.
 - b. On the previously imported Goods/Software of foreign origin quoted ex-showroom, ex-warehouse or off-the-shelf.
 - Any Indian duties, sales and other taxes which will be payable on the Goods/Software if this Contract is awarded.
 - The price for inland transportation, insurance and other local costs incidental to delivery of the Goods/Software to their final destination; Destination of Goods/Software will be as mentioned in the schedule of requirement.
- 18 The Bidder will have to remit **Non refundable Bid Processing Fees of Rs. 15,000/- & Earnest Money Deposit (E.M.D.) of**
- **Rs. 1,50,000/- for Engineering Seismograph**
 - **Rs. 2,00,000/- for Radon Monitoring System (Soil)**
 - **Rs. 1,25,000/- for Radon Monitor in water**
 - **Rs. 2,00,000/- for Gas Chromatograph for Helium Detection**
 - **Rs. 1,00,000/- for Automatic weather monitoring system**
 - **Rs. 1,00,000/- for ULF Magnetometer**

(Refundable) on or before 10.08.2017 up to 1500 hours in a sealed cover at GIL office with the heading **"Bid Processing fees & EMD for the e-Tender No. HWT060717443 for supply, installation, commissioning and maintenance of Engineering Seismograph, Radon Monitoring System (Soil),**

Radon Monitor in water, Gas Chromatograph for Helium Detection, Automatic weather monitoring system & ULF Magnetometer instruments on behalf of Institute of Seismological Research (ISR), Gandhinagar, Department of Science & Technology, Govt. of Gujarat”.

- ✓ Bid processing fees must be in the form of Demand Draft in the name of “Gujarat Informatics Ltd.” Payable at Gandhinagar along with the covering letter.
- ✓ **EMD shall be submitted in the form of Demand Draft OR in the form of an unconditional Bank Guarantee (which should be valid for 9 months from the last date of bid submission) of All Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative & Rural Banks (operating in India having branch at Ahmedabad/ Gandhinagar) as per the G.R. no. EMD/10/2015/508/DMO dated 27.04.2016 issued by Finance Department or further instruction issued by Finance department time to time in the name of “Gujarat Informatics Ltd.” payable at Gandhinagar (as per prescribed format given at as per prescribed format given at Annexure A) and must be submitted along with the covering letter.**
- ✓ EMD in form of DD/BG has to be submitted by the bidder who is applying in this bid.

Please affix the stamp of your company on the overleaf of demand draft.

- 19 In case of non-receipt of Bid Processing fees & EMD as mentioned above within prescribed time the bid will be rejected by GIL as non-responsive.
- 20 Unsuccessful/disqualified bidder’s E.M.D. will be returned as promptly as possible but not later than 15 days after the expiration of the period of bid validity OR upon the successful Bidder signing the Contract, and furnishing the Performance Bank Guarantee @ 10% of the total order value as prescribed by GIL, whichever is earlier.
- 21 In exceptional circumstances, GIL may solicit the Bidder’s consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. A Bidder may refuse the request without forfeiting its E.M.D. A Bidder granting the request will not be permitted to modify its bid.
- 22 The Successful bidder has to submit Performance Bank Guarantee @ 10% of total order value within 30 working days from the date of issue of Purchase order (for warranty period + extra 3 months) from All Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative & Rural Banks (operating in India having branch at Ahmedabad/ Gandhinagar) as per the G.R. no. EMD/10/2015/508/DMO dated 27.04.2016 issued by Finance Department or further instruction issued by Finance department time to time in the name of “Gujarat Informatics Ltd.” payable at Gandhinagar (as per prescribed format given at as per prescribed format given at **Annexure A**) and must be submitted along with the covering letter.
- 23 Successful bidders will have to sign the contract upon receiving the Purchase order with the purchaser(s) within 30 working days from the date of Purchase order. (The draft of the Contract form is attached herewith)
- 24 The successful Bidder’s E.M.D. will be returned upon the Bidder signing the Contract, and furnishing the Performance Bank Guarantee @ 10% of the total order value.
- 25 The E.M.D. may be forfeited:
 - (a) if a Bidder withdraws its bid during the period of bid validity
 - (b) In case of a successful Bidder, if the Bidder fails:
 - (i) To sign the Contract as mentioned above or
 - (ii) To furnish performance bank guarantee as mentioned above or
 - (iii) If the bidder is found to be involved in fraudulent practices.

If the successful bidder fails to submit the Performance Bank Guarantee & sign the Contract Form within prescribed time limit, the EMD of the successful bidder will be forfeited.

GIL also reserves the right to blacklist such bidder from participating in future tenders if sufficient cause exists.

26 Termination for Default

26.1 The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Bidder(after providing notice/cure period of 30 days), terminate the Contract in whole or part:

- a) if the bidder fails to deliver any or all of the Goods within 90 working days from the date of purchase order, or within any extension thereof granted by the Purchaser or
- b) if the Bidder fails to perform any obligation(s) under the Contract/Purchase order.
- c) If the Bidder, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

“Corrupt practice” means the offering, giving, receiving or soliciting of any thing of value of influence the action of a public official in the procurement process or in contract execution.

“fraudulent practice : a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the purchaser, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the purchaser of the benefits of free and open competition;”

26.2 In the event the Purchaser terminates the Contract in whole or in part, pursuant to Clause 19.1 above, the Purchaser may procure, upon such terms and in such manner, as it deems appropriate, Goods or Services similar to those undelivered, and the Bidder shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Bidder shall continue the performance of the Contract to the extent not terminated.

27 Price shall be inclusive of all freight, forwarding, transit insurance and installation charges.

28 Prices shall be inclusive of Excise Duties. The prices shall strictly be submitted in the given format. Prices shall be inclusive of all taxes including GST, which shall be applicable wherever written in the tender document. The prices shall strictly be submitted in the given format. **However, payments related to the customs duty is ISR’s responsibility. The bidder has to submit all the required documents relevant to the supply of the goods for customs clearance. The final prices quoted for each item are CIF basis.**

29 Late Bids – The bidder will not be able to submit the bid after final submission date and time.

30 Modification and Withdrawal of Bids

30.1 No bids will be allowed to be modified subsequent to the final submission of bids.

30.2 No bid will allowed to be withdrawn in the interval between the deadline for submission of bids and the expiry of the bid validity. Withdrawal of a bid during this interval will result in the forfeiture of bidder’s E.M.D.

31 Bids will be opened with the buyer’s private digital key in the presence of Bidder’s representatives, who choose to attend. The Bidder’s representatives who are present shall sign a register/attendance sheet evidencing their attendance. The representative will be held responsible for all commitments

made on behalf of the bidder and that will be considered valid for all further dealings related to this tender process. In the absence of the bidder(s), the tender committee may choose to open the bids as per the prescribed schedule.

- 32 The Bidder's names, Bid modifications or withdrawals, discounts and the presence or absence of relevant E.M.D. and such other details as GIL/GOG officer(s) at their discretion, may consider appropriate, will be announced at the opening.
- 33 **Evaluation of the bids:** After the closing time of submission, GIL/GOG committee will verify the submission of Bid Processing Fees & EMD as per bid terms and conditions. The eligibility criteria evaluation will be carried out of the responsive bids. The technical bids of the bidders who are complying with the eligibility criteria will be opened and evaluated next. Successful bidder will be decided based on the item wise lowest quoted rates as mentioned in financial bid section & then called for further negotiations if required.
- 34 The order may be split among a number of technically qualified bidders at the discretion of GIL. The bidder with overall competitive quote will be given preference on the ordered quantity.
- 35 The inspection of the Goods/Software/Softwares shall be carried out to check whether the Goods/Software/Softwares are in conformity with the technical specifications attached to the contract and shall be in line with the inspection/test procedures laid down in the Technical Specifications and the Conditions of contract. Following broad test procedure will generally be followed for inspection and testing of machine. The supplier will dispatch the Goods/Software to the ultimate consignee after internal inspection testing along with the supplier's inspection report and manufacturer's warranty certificate. The purchaser will test the equipment after completion of the installation and commissioning at the site of the installation.
- a. The acceptance test will be conducted by the purchaser/their consultant or any other person nominated by the purchaser, at its option. The acceptance will involve trouble-free and successful operations of online data receive software with filters. There shall not be any additional charges for carrying out acceptance tests. No malfunction, partial or complete failure of any part of hardware or excessive heating of electronic boards, drivers, hard disks etc. or bugs in the software should occur. All the softwares should be complete and no missing modules/sections will be allowed. The supplier shall maintain necessary log in respect of the results of the tests to establish to the entire satisfaction of the purchaser, the successful completion of the test specified. An average uptake efficiency of 98% for the duration of test period shall be considered as satisfactory.
- b. In the event of the hardware and softwares failing to pass the acceptance test, a period not exceeding four weeks will be given to rectify the defects and clear the acceptance test, failing which the purchaser reserves the rights to get the Goods/Software/Software replaced by the supplier at no extra cost to the purchaser.
- 36 The indenter's right to inspect, test and, where necessary, reject the Goods after the Goods arrival at Customer Site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment.
- 37 **Delivery & installation:**
- **Delivery:: Within 90 working days from the date of confirmed purchase order by any mode of transport of Air/ Rail/Road.** Upon delivery of the Goods/Software, the supplier shall notify the purchaser and the insurance company by cable/telex/fax/email the full details of the shipment

including contract number, airway bill/ railway receipt number and date, description of Goods/Software, quantity, name of the consignee etc. The supplier shall mail the following documents to the purchaser with a copy to the insurance company.

- ✚ 03 Copies of the Supplier invoice showing contract number, Goods/Software' description, quantity, unit price, total amount
 - ✚ Airway/Railway receipt/acknowledgment of receipt of Goods/Software from the consignee(s);
 - ✚ 03 Copies of packing list identifying the contents of each package;
 - ✚ Insurance Certificate
 - ✚ Manufacturer's/Supplier's warranty certificate
 - ✚ Inspection Certificate issued by the nominated inspection agency, and the Supplier's factory inspection report; and
 - ✚ Certificate of Origin
- Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods/Software, such as gaskets, plugs, washers, belts etc. Other spare parts and components shall be supplied as promptly as possible but in any case within six months of placement of order.
 - Installation: **Within 60 working days** from the date of delivery of the material.

38 In case of successful bidder is found in breach of any condition(s) of bid or supply order/work order, at any stage during the course of supply / installation or warranty period, the legal action as per rules/laws, shall be initiated against the empanelled bidder and EMD/PBG shall be forfeited, besides debarring and blacklisting the bidder concerned for the time period as decided by Govt., for further dealings with GoG.

39 Bids shall be valid for **180 days** after the date of financial bid opening. A bid valid for a shorter period shall be rejected as non-responsive. If required, GIL may extend the bid validity for further period from the date of expiry of bid validity in consultation with the successful bidder.

40 Bidders are required to quote all items including optional add-ons as well. Incomplete bids will be treated as non-responsive and will be rejected.

41 **Insurance:** The Goods/Software supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. For delivery of Goods/Software at site, the insurance shall be obtained by the Supplier in an amount equal to 110% of the value of the Goods/Software from "warehouse to warehouse" (final destinations) on "All Risks" basis including War Risks and Strikes.

42 **Penalty Clause for delay in delivery & installation**

42.1 If the bidder fails to deliver and install the requisite hardware and software **within 150 working days** of the issue of the confirmed purchase order, then a sum equivalent to one percent (1 %) of the total contract value shall be deducted from the payment for each calendar week of delay or part thereof.

42.2 The amount of penalty for delay in delivery & installation shall be subject to a maximum limit of 10% of the total contract value.

42.3 Delay in excess of 10 weeks will be sufficient to cause for termination of the contract. In that case the Performance Bank Guarantee of the bidder will be forfeited.

42.4 In case, the selected bidder does not supply the ordered items for any reason, the bidder will be liable to pay the difference amount to the purchaser, over and above the performance guarantee, which indenter department has to pay to the next or other selected bidder for purpose of the said items.

43 **Warranty**

- 43.1 **Warranty:** Comprehensive onsite warranty for 2 years from the date of installation of Engineering Seismograph, Radon Monitoring System (Soil), Radon Monitor in water, Gas Chromatograph for Helium Detection, Automatic weather monitoring system & ULF Magnetometer instruments.
- 43.2 The bidder shall guarantee a 95% uptime of Engineering Seismograph, Radon Monitoring System (Soil), Radon Monitor in water, Gas Chromatograph for Helium Detection, Automatic weather monitoring system & ULF Magnetometer instruments.
- 43.3 If the equipment gives continuous trouble, say more than 3 times in one month during the warranty period, the bidder shall replace the same with new equipment without any additional cost to the purchaser.
- 43.4 Maintenance service: Free maintenance services shall be provided by the Bidder during the period of warranty for 2 years.
- 43.5 In case, bidder is not providing satisfactory support & doing unwarranted delay in providing warranty support, Government offices reserves right to repair the equipment at risk & cost of the bidder.

44 **Operational/Warranty period Penalty:**

- 44.1 During warranty period, if the complaint is not resolved within 3 months the penalty of Rs. 5000 per day each for Engineering Seismograph, Radon Monitoring System (Soil), Radon Monitor in water, Gas Chromatograph for Helium Detection, Automatic weather monitoring system & ULF Magnetometer instruments will be levied. The amount of penalty will be recovered from the Performance bank guarantee during warranty period.
- 44.2 It is expected the average downtime of the item (system) will be less than half the maximum downtime. In case an item is not usable beyond the stipulated maximum downtime the bidder will be required to arrange for an immediate replacement of the same till its is repaired. Failure to arrange for the immediate repair/replacement will be liable for penalty of Rs.5000 per day each for Engineering Seismograph, Radon Monitoring System (Soil), Radon Monitor in water, Gas Chromatograph for Helium Detection, Automatic weather monitoring system & ULF Magnetometer instruments. The amount of penalty will be recovered from the Performance bank guarantee during warranty period.

Note:

- ✓ Successful bidder should submit the **Performance Bank Guarantee @ 10%** of total order value for the duration of (for warranty period + extra 3 months) as per bid requirements. In any case, bidder is required to maintain 10% PBG at all time during the period of contract. In case of any penalty claimed from the submitted PBG during the contract period, the successful bidder is required to submit the additional PBG of the amount equal to the penalty claimed for the duration up to the validity of original Bank Guarantee. For example, "X" amount of penalty will be claimed during the 5th month of contract period, then bidder is required to submit the additional PBG of "X" amount for the period of 22 months i.e. 27 months – 5 months.

45 **Payment:** Payment for Goods and Services shall be made by the indenting department in INR/USD/EURO/CAD as follows:

- **In case of Indian Bidder:**

- On Delivery: **Eighty percent (80%)** of the contract price shall be paid on receipt of Goods/Software and upon submission of the documents

- ✚ On Final Acceptance: **The remaining twenty percent (20%)** of the Contract Price shall be paid to the supplier within 30 days after the date of the satisfactory demonstration of working of SMA and software at purchaser's site.
- **In case of Foreign/ Consortium Bidder: The payment will be made by opening Letter of Credit (LoC) in the name of manufacturer/foreign bidder and will be released as below:**
 - ✚ On Delivery: Eighty percent (80%) of the contract price shall be paid on receipt of Goods/Software and upon submission of the documents
 - ✚ On Final Acceptance: the remaining twenty percent (20%) of the Contract Price shall be paid to the supplier within 30 days after the date of the satisfactory demonstration of working, and installation at purchaser's site.

For all the respective items in this tender, the above procedure for payment will be followed.

- 46 GIL reserves the right to change any bid condition of any item even after inviting the bids, with/without prior notification.
- 47 GIL's Right to accept any Bid and to reject any or all Bids – GIL reserve the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to awarding the Contracts, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for such decision.
- 48 The tendered quantities are estimated based on the receipt of the requirement from various Government offices. The quantities may decrease up to 50% of the bid quantity or increase up to 30% of the bid quantity at the time of finalization, depending upon the change in the requirements/grants available with the purchaser(s), which shall be binding to the bidder.
- 49 The bidder may be called for presentation regarding plan, design, performance, installation, commissioning of Engineering Seismograph, Radon Monitoring System (Soil), Radon Monitor in water, Gas Chromatograph for Helium Detection, Automatic weather monitoring system & ULF Magnetometer instruments and proficiency, features of software as per requirement and suitability of Institute at ISR, Gandhinagar, Department of Science & Technology, Gandhinagar.
- 50 All correction/addition/deletion shall require authorized countersign.
- 51 **Limitation of Vendor's Liability:** Notwithstanding anything contained in the Contract, Vendor's liability will be only for actual direct damages and shall be capped and limited to double the charges or the amounts paid or due and payable to Vendor for the Services that are the subject of the claim.
- 52 Force Majeure Shall mean and be limited to the following:
a) War / hostilities
b) Riot or Civil commotion
c) Earthquake, flood, tempest, lightening or other natural physical disaster.
d) Restrictions imposed by the Government or other statutory bodies which prevents or delays the execution of the order by the BIDDER.
- The BIDDER shall advise GIL by a registered letter duly certified by the local statutory authorities, the beginning and end of the above causes of delay within seven (7) days of the occurrence and cessation of such Force Majeure Conditions. In the event of delay lasting over two months, if arising out of causes of Force Majeure, GIL reserves the right to cancel the order.

Completion period may be extended to circumstances relating to Force Majeure by the GIL. Bidder shall not claim any further extension for completion of work. GIL/GoG shall not be liable to pay extra costs under any conditions.

The BIDDER shall categorically specify the extent of Force Majeure conditions prevalent in their works at the time of submitting their bid and whether the same have been taken in to consideration or not in their quotations. In the event of any Force Majeure cause, the BIDDER shall not be liable for delays in performing their obligations under this order and the delivery dates can be extended to the BIDDER without being subject to price reduction for delayed delivered, as stated elsewhere.

It will be prerogative of GIL/GoG to take the decision on force major conditions and GIL/GoG decision will be binding to the bidder.

- 53 The Bidders can seek written clarifications on or before 5 days prior to Pre-bid meeting date to DGM (Tech), Gujarat Informatics Ltd., 8th Floor, Block No. 01, Udhoyog Bhavan Gandhinagar 382010. GIL will clarify and issue amendments if any to all the bidders in the pre-bid meeting. No further clarification what so ever will be entertained after the pre-bid meeting date. No further clarification what so ever will be entertained after submission of bid.

The bid should be submitted on the website <https://gil.nprocure.com> on or before **10.08.2017 till 1500 hours.**

Please address all queries and correspondence to

Shri Vivek Upadhyay, DGM (Tech.),
Gujarat Informatics Limited
Block-1, 8th Floor, Udhoyog Bhavan,
Gandhinagar – 382010
Phone No. 079-23259239, Fax No. 079-23238925
E-mail: viveku@gujarat.gov.in

Fax/email should be followed by the post confirmation copy.

SECTION I

Bid Processing Fees & Earnest Money Deposit Details

Name of the Item:

Sr. No.	Item	Amount (In Rs.)	Name of the Bank & Branch	Demand Draft No.
1	Bid Processing Fees			
2	Earnest Money Deposit (E.M.D.)			

ELIGIBILITY CRITERIA

Form no. E1 Financial strength of the bidder

Financial Year	Turnover (Rs. In Crores)	Audited Accounts uploaded? (Yes/No)

Note: Please fill this form and upload the audited Annual Accounts for the last two financial years.

Form No. E2 Experience Details (Customer References)

Sr. No.	Name and Address of the client	Details of Contract (Pl. Mention Engineering Seismograph, Radon Monitoring System (Soil), Radon Monitor in water, Gas Chromatograph for Helium Detection, Automatic weather monitoring system & ULF Magnetometer instruments supplied system Established/Service provided similar to the tender terms	Order no., Date & value	Certificate of client enclosed (Yes/No)	Whether client is present user of your services (Yes/No)	Remarks

Note: Please fill this form and upload the supporting documents for each customer reference in scanned format. Failing the same may lead to the rejection of the bid. You may add the customer references by adding multiple rows which may be added by "NUMBER OF ROWS TO ADD".

Form no. E3 Authorization Letters

Item	Make & Model	Name of OEM	Authorization letter attached? (Yes/No)
Engineering Seismograph			
Radon Monitoring System (Soil)			
Radon Monitor in water			
Gas Chromatograph for Helium Detection			
Automatic weather monitoring system			
ULF Magnetometer			

SECTION II

Make & Model List

Sr. No	Item	QTY.	Make & Model	Supporting attached? (Yes/No)
1	Engineering Seismograph			
2	Radon Monitoring System (Soil)			
3	Radon Monitor in water			
4	Gas Chromatograph for Helium Detection			
5	Automatic weather monitoring system			
6	ULF Magnetometer			

Note:

1. You may quote only one option against any item.
2. Power systems must be outsourced from Local market and should be of reputed brand.

Form no. T2 (TECHNICAL MINIMUM SPECIFICATIONS)

Section 1 – Engineering Seismograph

The system should consist of the following:

Sr. No	Parameter	Specification	Qty. as a part of Item No.1
1.	Forty Eight Channel Engineering Seismograph		01
1.1.	Number of Channels	48 channels. 48 channels should be achievable by connecting 2nos of 24 channel seismograph modules. Each module should be packaged in a ruggedized, shock- absorbing, waterproof case suitable for field operation.	
1.2.	Easy field operation	System should be light weight and easy to handle for data acquisition and processing.	
1.3.	Compatibility with Laptop or PC	The system should be compatible to any PC or Laptop with windows-8.1 (or higher) for data acquisition and processing.	
1.4.	Compatibility for MASW, Seismic refraction and reflections surveys	The system should be compatible for active and Passive MASW surveys in addition to Seismic refraction and reflections surveys.	
1.5.	A/D Conversion	24 bit result using Crystal Semiconductor sigma-delta converters	
1.6.	Dynamic Range	144 dB (system), 110 dB (instantaneous, measured) at 2ms.	
1.7.	Frequency Band	2 Hz to 20,000 Hz or better	
1.8.	Sampling Rate	0.02-15 ms or better, user selectable	
1.9.	Preamplifier Gain	24-36 dB or better	
1.10.	Noise Filters	Low Cut: Out, 10 to 400 Hz or better, user selectable High Cut: Out, 32 to 1000 Hz or better, user selectable Notch Filter	

1.11.	Record Length	256 samples to More than 16,000 samples per trace or better, User selectable	
1.12.	Delay	0 to 100 sec in steps of 1 sample interval	
1.13.	Stacking trigger accuracy	1/30 of sample interval or better	
1.14.	Type of Gain: Binary Preamplifier Gain	user selectable gain pair of either 24 or 36 dB or 0 db	
1.15.	Trigger Input	Should match with the weight drop, hammer, explosives & other sources like vibrators	
1.16.	Power supply	12V DC supply through external batteries for each module.	
1.17.	Data output format	SEG-2, SEG-D, SEG-Y	
1.18.	Operational temperature: -25° to 65°C or better	-25° to 65°C or better	
2.	Geophone Spread Cable		04
2.1.	Geophone Spread Cable	Multi conductor reversible cable with 24 take-out spaced at equal intervals of 2 m, each end includes of 10m lead cable terminated with suitable connectors to mate with seismograph.	
3.	Digital Interface Cable (120m)		03
3.1.	Digital Interface Cable	120 m Digital interface cable to connect the seismograph module to PC controller.	
4.	Geophones (4.5 Hz)		100
4.1.	Geophones	4.5 Hz (with minimum sensitivity of 30.0 V/m/S and coil resistance of 375ohms) vertical Geophone with 1m lead cable with suitable connectors to mate with the above spread cables.	
5.	Transport Cases		
5.1.	Transport Cases	Rugged transport cases to be supplied.	
6.	Data Acquisition Software		01
6.1.	To test and diagnostics of entire hardware including sensors.		
6.2.	Setup sensor field configuration and data acquisition parameters through a laptop and/ or data acquisition system.		
6.3.	Real time noise monitor displays real time output from geophones.		
6.4.	Visualization of Signal amplitude, raw data		
6.5.	Transfer the data from data acquisition system module storage to PC/Notebook.		

6.6.	Built-in roll along function, selectable through the controller software.	
6.7.	Full range of user-selectable and adjustable filters should be available for data cleanup.	
6.8.	Full user selectable channel gains, units, sampling rate, sampling length, pre-trigger length, and number of waveforms to average.	
7.	Data Processing Software	01
7.1.	Analyze P-wave and S-wave data MASW, Seismic Refraction and Reflections Surveys.	
7.2.	Visualize raw and spectrum.	
7.3.	Plotting, editing, time series data conversion utilities.	
7.4.	Automatic and manual first break picking	
7.5.	Calculation of interval and layered velocity models using robust methods	
7.6.	Comprehensive filter to be available to filter the noisy data	
7.7.	Capable of calculating and plotting of all the P- and S-wave velocities versus depth.	
7.8.	Full suite of data processing software for 2D and 3D modeling using Refraction, Reflection and MASW data sets.	
8.	Ruggedized Laptop	01
8.1.	Ruggedized laptop with shock mounted and weather resistant design suitable for rugged field operation to be offered with the following or better configuration	
8.2.	Latest Intel i7-6500U or better processor running Windows 8.1 pro or latest	
8.3.	8 GB RAM	
8.4.	1 TB SSD disk	
8.5.	Nvidia GeoForce GTX950 M or better graphics card	
8.6.	Minimum - 14-inch high-definition sunlight-viewable display	
8.7.	10/100 internal NIC	
8.8.	4 USB slots	
8.9.	DVD Super MULTI drive	
8.10.	Rechargeable main and secondary batteries (8 hr battery life) with external charger - 110/220 AC power cable - auto-adaptor cable to run off 12V DC power- testing and integration with seismic data acquisition system.	
Note: All the above components 1, 2, 3, 4, 5, 6, 7 and 8 are altogether considered as Item No.1 (Engineering Seismograph for MASW, Seismic Refraction and Reflections Surveys).		

Section 2 – Radon Monitoring System (Soil)

One Radon monitoring system with necessary training

Sr. No	Parameter	Specification
1.	Major Specifications	
1.1.	Modes of Operation	Passive measurement on continuous mode
1.2.	Measurements	Measurements of radon in the ground, water and air, ²²² Rn, temperature, atmospheric pressure, shocks, battery voltage, humidity, rain gauge
1.3.	Power supply	From external power supply
1.4.	PC Connectivity	RS232 connection (19200 Bauds) with necessary software
1.5.	Nominal Sensitivity	50 Bq.m ⁻³ per imp.h ⁻¹ or better
1.6.	Radon Concentration Range	0 to 1 GBq.m ⁻³ or better
1.7.	Cycle Range: Measuring cycle: adjustable parameters:	1 to 240 minutes or better
1.8.	Calibration accuracy	better than + 1%
2.	General Specifications	
2.1.	Data Storage	Minimum of six months continuous data of all parameters at 30 sample/sec internal Storage along with additional support of flash card
2.2.	Data retrieval	Data can be displayed on the unit's LCD, printed on external printer or downloaded to a PC for further analysis
2.3.	Operating temperature Ranges	-20°C to +70°C
2.4.	LCD Display Output	LCD Display
2.5.	Communication	
2.5.1.	Inbuilt communication interface circuitry for provision of remote data acquisition and State-of- Health in near real time mode through V-SAT.	
2.5.2.	Suitable interface for computer/ laptop for parameter setting and data downloading.	
2.5.3.	Transmission setting should have facility to select transmission of data to remote location in continuous mode transmission for data	
2.6.	VSAT connectivity (Equipment should be capable to send/receive data through VSAT Connectivity also)	
2.6.1.	Ethernet port (10/100 Base-T) supporting TCP/IP and UDP/IP	
2.6.2.	Compression of data before transferring to VSAT.	

2.6.3.	Continuous mode.	
2.6.4.	Duplex communication between field and both hubs	
2.6.5.	Extensive error correction	
2.6.6.	Support for off-the-shelf communication equipment	
2.6.7.	Appropriate cable to connect the DAS with the VSAT (RJ- 45 port)	
2.7.	Power Supply	Suitable power supply with additional external Exide Battery (100 AH, 12 V) with each unit.
2.8.	Software	Licensed User friendly acquisition and processing software with necessary training
Note: All the above components 1 and 2 are altogether considered as Item No.2 Radon Monitoring System (Soil).		

Section 3 – Radon Monitor in water

Supply, installation and demonstration of Radon and Thoron Detector with relevant software for data analysis and latest available laptop with necessary accessories:

Sr. No	Parameter	Specification
1.	Measurements	Radon-222 and Radon-220 (Thoron), temperature, atmospheric pressure, shocks, battery voltage
2.	Spectrum	The alpha energy spectrum, showing radon and thoron signature peaks. Radon concentration as a function of time
3.	Radon in water	As attachment for fast and accurate analysis of radon in water continuous and sniff mode measurement
4.	Radon in Soil	38 cm probe and liner rod (91 cm) extension with liner rod, a cross handle and adapter, and a barbed hose adapter
5.	Detector	Passivated, Implanter, Planar Silicon detector, insensitive to vibrations and noise. Extremely low background. If there is no radon, there are no counts in the radon window.
6.	Calibration	Highly stable. Typical drift is less than 2% per year.
7.	Dynamic Range	4 -400,000 Bq. m ³ . Detection threshold : 4 Bq. m ³
8.	Sensitivity	In sniffer mode: 0.005 CPM/Bq/m ³ In normal mode: 0.01 CPM/Bq/m ³
9.	Operating Modes	48-hour and 24-hour pre-set protocols. Radon and Thoron SNIFF MODE, for continuous diagnostics. High and low-sensitivity water protocols.
10.	Pump	Microprocessor controlled, timed or continuous: 1 liter/min.
11.	Length of connecting cable:	Up to 200 m
12.	Data Storage	Minimum of six months continuous data of all parameters (time, date, radon, temperature, humidity, battery

		voltage, thoron and statistical uncertainties etc.) at 30 sample/sec internal Storage along with additional support of flash card
13.	Data Display	Two line x 16 character LCD display. Windows and extensive menus.
14.	Cycle Time	Cycle intervals set to your to your requirements, 2 minute to 24 hours.
15.	Controls	Keyboard: 4 keys. Very easy to operate Standard procedures are per-programmed. Individual setups can easily be pre-programmed and saved.
16.	Output	RS-232 port, to download computer
17.	Power	Suitable power supply with additional external Exide Battery (100 AH, 12 V) with each unit.
18.	Size	Portable, with shoulder strap, High-impact, high-density
19.	Printer	Hewlett Packard 8224OB Alpha-numeric. Infrared link and cord needed. Data, bar charts and spectra may all be printer during or at the end of a run.
20.	Operating Environment	0°-50°C; 5 %-99% RH non-condensing. Storage temp: -40° to 60°C.
21.	Accessories	Power cable, shoulder strap, 2 sets Velcro tabs, 3 rolls printer Paper, printer adapter, 6 inlet filters, 1 dust filter and Soil radon probe, Radon-in-water kits.
22.	Communication	
22.1.		Inbuilt communication interface circuitry for provision of remote data acquisition and State-of-Health in near real time mode through V-SAT.
22.2.		Suitable interface for computer/ laptop for parameter setting and data downloading.
22.3.		Transmission setting should have facility to select transmission of data to remote location in continuous mode transmission for data
23.	VSAT connectivity (Equipment should be capable to send/receive data through VSAT Connectivity also)	
23.1.		Ethernet port (10/100 Base-T) supporting TCP/IP and UDP/IP
23.2.		Compression of data before transferring to VSAT.
23.3.		Continuous mode.
23.4.		Duplex communication between field and both hubs
23.5.		Extensive error correction
23.6.		Support for off-the-shelf communication equipment
23.7.		Appropriate cable to connect the DAS with the VSAT (RJ- 45 port)
24.	Laptop	Latest Intel i7-6500U or better processor running Windows 8.1 pro or latest with 8 GB RAM, 1 TB SSD disk, Nvidia GeoForce GTX950 M or better graphics card, Minimum - 14-inch high-definition sunlight-viewable display, 10/100 internal NIC, 4 USB slots, DVD Super MULTI drive, external charger.
25.	Software	Licensed software for monitoring and processing the data
Note: All the above components 1 to 24 are altogether considered as Item No.3 Radon Monitor in water.		

Section 4 – Gas Chromatograph for Helium Detection

Fast Gas Chromatographic System suitable for capillary and/or packed/micro packed columns able to mount up to 3 injectors and 3 detectors simultaneously. The system must guarantee a Retention Time Standard Deviation better than 0.0007 min. This unit is intended to operate on continuous mode for helium detection.

The system will be composed by:

Sr.No	Parameter	Specification	Qty. as a part of Item No.4
1.	Base Unit	Base Unit with Oven temperature 5°C above room temperature up to 500°C, without using cryogenic options. Temperature ramp rate of the Oven up to 140°C/min with at least 25 programming ramps and a cool-down rate of 5 minutes (from 450°C to 50°C).	
2.	Split-Splitless injector	Split-Splitless injector with Electronic Flow Control of the gases (Carrier, Split and Purge) with maximum pressure up to 120 psi, gas-saver system, maximum temperature up to 450°C and maximum injection volume up to 50 microliters. At least 25 Pressure/Flow ramps with constant/programming flow/pressure mode, pulse injection and constant linear velocity.	02
3.	Heated Automatic Gas Sampling Valve	Heated Automatic Gas Sampling Valve for online injection of Gases	
4.	Micro TCD Detector	Micro TCD Detector with Electronic Pressure control of all auxiliary gases, suitable for capillary columns, maximum temperature up to 400°C and data acquisition range up to 300Hz selectable. Detection limit of less than 0.1 ng of Butane..	02
5.	Moisture Trap	Moisture Trap for arresting Moisture in the Carrier Gas and sample line.	
6.	Columns suitable	Columns suitable Capillary Columns for analysis of Permanent Gases.	
7.	Chromatography Work Station	Chromatography Station, Windows based, will provide full control of the gas chromatograph and liquid sampler. The software will have data integration and calculation, automatic batch reprocessing of the analysis, customized report and Certificate of Compliance with FDA 21 CFR Part 11.	
8.	Data storage	Minimum of six months continuous data at 30 sample/sec internal Storage	
9.	Communication		
9.1.		Inbuilt communication interface circuitry for provision of remote data acquisition and State-of- Health in near real time mode through V-SAT.	
9.2.		Suitable interface for computer/ laptop for parameter setting and data downloading.	
9.3.		Transmission setting should have facility to select transmission of data to remote location in continuous mode transmission for data	
10.		VSAT connectivity (Equipment should be capable to send/receive data through VSAT Connectivity also)	

10.1.	Ethernet port (10/100 Base-T) supporting TCP/IP and UDP/IP		
10.2.	Compression of data before transferring to VSAT.		
10.3.	Continuous mode.		
10.4.	Duplex communication between field and both hubs		
10.5.	Extensive error correction		
10.6.	Support for off-the-shelf communication equipment		
10.7.	Appropriate cable to connect the DAS with the VSAT (RJ- 45 port)		
11.	Software	Licensed software for monitoring and processing the data	
Note: All the above components 1 to 11 are altogether considered as Item No.4 Gas Chromatograph for Helium Detection.			

Section 5 – Automatic weather monitoring system

Automatic Weather Station: The System should have Data Logger and Meteorological Sensors including other accessories. The fully integrated system will only be accepted.

Sr. No	Parameter		Specification
1	Data Logger*	Analog Channel	Analog data input -16 with auto Ranging / compatible to adjust all given sensors
2		Digital Channel	Frequency Type: 04 Channel, Counter Type: 02 Channel and the facility to convert counter channels to frequency channels & vice versa should be provided.
3		Data Storage	In built facility to store minimum 15 lakh data records & facility with download the stored data on a flash / USB card
4		Battery & Charging System	Solar panel is required for continuous recharge the batteries. A suitable in-built charge controller having over and under voltage protection should be provided in the DCP. The capacity of the Solar panel should be such that the battery can be charged with 30% to 50% sunshine
5		Environmental Compatibility	Operating & Storing temp. 0° C to 50°C; humidity- 10-100%, wind speed – up to 50m/s
6		Data transmission Compatibility	Compatible with V-SAT for transmission the data from remote location to ISR, Gandhinagar
7	Air Temperature	Measurement Range	0° C to 50°C (Storage Temperature(0° C to 50°C)
8		Accuracy	±0.1°C with standard configuration setting
9	Relative Humidity	Measurement Range	0 to 100% RH, non-condensing
10		Accuracy	± 1.0% RH with standard configuration settings
11	Wind Speed	Measurement Range	0 to 100m/s
12		Accuracy	±0.3 m/s not more than 1 % of reading
13		Operating Temperature	0° C to 50°C
14	Wind Direction	Measurement Range	0 to 360°

15		Accuracy	±4°
16		Operating Temperature	0° C to 50°C
17	Precipitation Sensor	Measurement Type	Liquid, solid and mixed (snow, rain & mixed)
18		Measurement Range	0-1000mm
19		Operating temperature	0° C to 50°C
20		Accuracy	± 0.1 mm or ±1% of measured value
21	Power Supply		Suitable power supply with a suitable in-built charge controller having over and under voltage protection should be provided in Data Logger. The AWS sites will be charged with the Solar Panel. The bidder has to supply one additional external Exide Battery (100 AH, 12 V) with each unit.
22	Software		Compatible and updated (latest) software to work on. Activating all the sensors to generate the data including update, download and process the collected data
23	Tower/Mast		Galvanized stainless steel material withstand in extreme harsh climate conditions in Kutch, Gujarat Tower : -10m height Tripod -3/5m compatible to install all sensors Good quality cable with required length for all sensors & it should withstand in given operating temperature of (0° C to 50°C)
24	Enclosure Box		Weather proof enclosure suitable for data logger with a power supply and one more, non-Corrosive, white with UV stabilized including cable entry options
25	Communication		
25.1.	Inbuilt communication interface circuitry for provision of remote data acquisition and State-of-Health in near real time mode through V-SAT.		
25.2.	Suitable interface for computer/ laptop for parameter setting and data downloading.		
25.3.	Transmission setting should have facility to select transmission of data to remote location in continuous mode transmission for data		
26	VSAT connectivity(Equipment should be capable to send/receive data through VSAT Connectivity also)		a) Ethernet port (10/100 Base-T) supporting TCP/IP and UDP/IP b) Compression of data before transferring to VSAT. c) Continuous mode. d) Duplex communication between field and both hubs e) Extensive error correction f) Support for off-the-shelf communication equipment g) Appropriate cable to connect the DAS with the VSAT (RJ- 45 port)
26.1.		Ethernet port (10/100 Base-T) supporting TCP/IP and UDP/IP	
26.2.		Compression of data before transferring to VSAT.	
26.3.		Continuous mode.	
26.4.		Duplex communication between field and both hubs	

26.5.	Extensive error correction	
26.6.	Support for off-the-shelf communication equipment	
26.7.	Appropriate cable to connect the DAS with the VSAT (RJ- 45 port)	
27	Software	Licensed software for monitoring and processing the data
Note: All the above components 1 to 27 are altogether considered as Item No.5 Automatic weather monitoring system.		

Section 6 – ULF Magnetometer

Sr. No	Parameter	Specification
I. Magnetic Sensor		
A) Major Specifications:		
1.	Frequency band of measured signals	0.001–30 Hz minimum or better
2.	Measuring range	±200nT
3.	Transformation factor	From 0.001 Hz to 1 Hz: 20xf mV/nT From 1 Hz to 30 Hz: 20 mV/nT
4.	Auxiliary output gain	20 dB
5.	Full band transformation factor error	≤3 dB
6.	Maximum output signal	± 5V
7.	Magnetic noise level at	0.01 Hz: ≤20 pT×Hz ^{-1/2} 0.1 Hz: ≤2 pT×Hz ^{-1/2} 1 Hz: ≤0.2 pT×Hz ^{-1/2} 10 Hz: ≤0.04 pT×Hz ^{-1/2}
8.	Mains interference rejection	> 60 dB
B) General Specifications		
1.	Power supply	± (6...15) V, ±15 mA with additional external Exide Battery (100 AH, 12 V) with each unit.
2.	Temperature range of operation	- 10 to +50°C
3.	Operation humidity	Up to 95%
4.	Length of connecting cable	Up to 200m
II. Digital Data Acquisition System		
A) Major Specifications		
1.	Number of inputs	3
2.	Frequency band	0.001—40 Hz
3.	Input signals range	- max input range: 8 V _{ptp} - Withresolution: 488 nV/bit - Min input range: 8 mV _{ptp} - Withresolution: 0.488 nV/bit
4.	Full band transformation coefficient error	≤3 dB
5.	Sampling frequency of each channel	Up to 256 Hz
B) General Specifications		
1.	Programmable system gain	1,10,100
2.	DAS-Unit input	3 differential inputs
3.	ADC resolution	24 bit

4.	Timing	GPS Synchronized
5.	Data storage	Minimum of six months continuous data at 64 sample/sec internal/external Storage
6.	Communication	
6.1.	Inbuilt communication interface circuitry for provision of remote data acquisition and State-of-Health in near real time mode through V-SAT.	
6.2.	Suitable interface for computer/ laptop for parameter setting and data downloading.	
6.3.	Transmission setting should have facility to select transmission of data to remote location in continuous mode transmission for Magnetic data	
7.	VSAT connectivity (Equipment should be capable to send/receive data through VSAT Connectivity also)	
7.1.	Ethernet port (10/100 Base-T) supporting TCP/IP and UDP/IP	
7.2.	Compression of data before transferring to VSAT.	
7.3.	Continuous mode.	
7.4.	Duplex communication between field and both hubs	
7.5.	Extensive error correction	
7.6.	Support for off-the-shelf communication equipment	
7.7.	Appropriate cable to connect the DAS with the VSAT (RJ- 45 port)	
8.	Software	Licensed software for monitoring and processing the Magnetometer data
Note: All the above components 1 to 8 are altogether considered as Item No.6 ULF Magnetometer.		

SECTION III

Form no. F1 – FINANCIAL BID FORMAT

Section 1 A: Engineering Seismograph

1 Sr No.	2 Item	3 Country of origin	4 Quantity & unit	5 Price for each Unit					6 Unit price (INR/ USD/ EURO /CAD)	7 Total Price (IN R/ US D/ EU RO /CA D)	8 GST if contr act is awar ded (INR)
				a	b	c	d	e			
				Ex- factory, Ex- Showroom, Off the shelf	Exci se Duty, and any other taxe s if any	Packin g & forwar ding	Inland transporta tion, insurance, local incidental cost etc.	Installatio n & Demonstr ation of satisfactor ily working at purchaser site			
1.	Engineer ing Seismog raph		01								

Section 1 B: Component wise pricing for Engineering Seismograph

1	2	3	4	5	6
S/n	ITEM	Qty. (In Nos.)	Unit price (INR/USD/EURO /CAD)	Total Price (INR/ USD/ EURO /CAD)	GST if contract is awarded (INR)
				3x4	
1.	Forty Eight Channel Engineering Seismograph	1			

2.	Geophone Spread Cable	4			
3.	Digital Interface Cable (120 M)	3			
4.	Geophones (4.5 Hz)	100			
5.	Transport Cases	1			
6.	Data Acquisition Software	1			
7.	Data Processing Software	1			
8.	Ruggedized Laptop	1			
Total B					

Note:

1. In case of discrepancy between unit price and total price, unit price shall prevail.
2. L1 will be considered as per total price mentioned in column 7(i.e. excluding Total Sales and other Taxes mentioned in column 8).
3. The installation will be done by ISR at respective sites; only testing of workability of the instruments for continuous operation for 2 days is required at ISR, Gandhinagar.
4. RBI rates (closing) of currency conversion will be taken. Date of opening of price bid online will be considered.
5. Total price mentioned in column 5 (i.e. excluding GST mentioned in column 6) in Section 1 B: Component wise pricing for Engineering Seismograph must be match with total price mentioned in column 7(i.e. excluding GST in column 8) in Section 1 A: Engineering Seismograph.

Form no. F₁ – FINANCIAL BID FORMAT
Section 2: Radon Monitoring System (Soil)

1	2	3	4	5					6	7	8
Sr. No.	Item	Country of origin	Quantity & unit	Price for each Unit					Unit price (INR/ USD/ EURO /CAD)	Total Price (INR/ USD/ EURO /CAD)	GST if contract is awarded (INR)
				a	b	c	d	e	a+b+c+d+e	4x6	
				Ex-factory, Ex-Showroom, Off the shelf	Excise Duty, and any other taxes if any	Packing & forwarding	Inland transportation, insurance, local incidental cost etc.	Installation & Demonstration of satisfactorily working at purchaser site			
1.	Radon Monitoring System (Soil)		10								

Note:

1. In case of discrepancy between unit price and total price, unit price shall prevail.
2. L₁ will be considered as per total price mentioned in column 7(i.e. excluding Total Sales and other Taxes mentioned in column 8).
3. The Installation will be done by the respective bidders at sites in Kutch selected by ISR; Testing of workability of the instruments for continuous operation for 2 days is required at sites in Kutch selected by ISR.
4. RBI rates (closing) of currency conversion will be taken. Date of opening of price bid online will be considered.

Form no. F1 – FINANCIAL BID FORMAT

Section 3: Radon Monitor in water

1	2	3	4	5					6	7	8
Sr. No.	Item	Country of origin	Quantity & unit	Price for each Unit					Unit price (INR/ USD/ EURO /CAD)	Total Price (INR/ USD/ EURO /CAD)	GST if contract is awarded (INR)
				a	b	c	d	e	a+b+c+d+e	4x6	
				Ex-factory, Ex-Showroom, Off the shelf	Excise Duty, and any other taxes if any	Packing & forwarding	Inland transportation, insurance, local incidental cost etc.	Installation & Demonstration of satisfactorily working at purchaser site			
1.	Radon Monitor in water		03								

Note:

1. In case of discrepancy between unit price and total price, unit price shall prevail.
2. L1 will be considered as per total price mentioned in column 7(i.e. excluding Total Sales and other Taxes mentioned in column 8).
3. The Installation will be done by the respective bidders at sites in Kutch selected by ISR; Testing of workability of the instruments for continuous operation for 7 days is required at sites in Kutch selected by ISR.
4. RBI rates (closing) of currency conversion will be taken. Date of opening of price bid online will be considered.

Section 4: Gas Chromatograph for Helium Detection

1	2	3	4	5					6	7	8
Sr. No.	Item	Country of origin	Quantity & unit	Price for each Unit					Unit price (INR/ USD/ EUR/ CAD)	Total Price (INR/ USD/ EURO/ CAD)	GST if contract is awarded (INR)
				a	b	c	d	e	a+b+c+d+e	4x6	
				Ex-factory, Ex-Showroom, Off the shelf	Excise Duty, and any other taxes if any	Packing & forwarding	Inland transportation, insurance, local incidental cost etc.	Installation & Demonstration of satisfactory working at purchaser site			
1.	Gas Chromatograph for Helium Detection		03								

Note:

1. In case of discrepancy between unit price and total price, unit price shall prevail.
2. L1 will be considered as per total price mentioned in column 7(i.e. excluding Total Sales and other Taxes mentioned in column 8).
3. The Installation will be done by the respective bidders at sites in Kutch selected by ISR; Testing of workability of the instruments for continuous operation for 7 days is required at sites in Kutch selected by ISR.
4. RBI rates (closing) of currency conversion will be taken. Date of opening of price bid online will be considered.

Section 5: Automatic weather monitoring system

1	2	3	4	5					6	7	8
Sr . No.	Item	Country of origin	Quantity & unit	Price for each Unit					Unit price (INR/ USD/ EURO /CAD)	Total Price (INR/ USD/ EURO /CAD)	GST if contract is awarded (INR)
				a	b	c	d	e			
				Ex-factory, Ex-Showroom, Off the shelf	Excise Duty, and any other taxes if any	Packing & forwarding	Inland transportation, insurance, local incidental cost etc.	Installation & Demonstration of satisfactorily working at purchaser site			
1.	Automatic weather monitoring system		10								

Note:

1. In case of discrepancy between unit price and total price, unit price shall prevail.
2. L1 will be considered as per total price mentioned in column 7(i.e. excluding Total Sales and other Taxes mentioned in column 8).
3. The Installation will be done by the respective bidders at sites in Kutch selected by ISR; only testing of workability of the instruments for continuous operation for 7 days is required at sites in Kutch selected by ISR.
4. RBI rates (closing) of currency conversion will be taken. Date of opening of price bid online will be considered.

Section 6: ULF Magnetometer

1	2	3	4	5					6	7	8
Sr. No.	Item	Country of origin	Quantity & unit	Price for each Unit					Unit price (INR/ USD/ EUR /CAD)	Total Price (INR/ USD/ EURO /CAD)	GST if contract is awarded (INR)
				a	b	c	d	e	a+b+c+d+e	4x6	
				Ex-factory, Ex-Showroom, Off the shelf	Excise Duty, and any other taxes if any	Packing & forwarding	Inland transportation, insurance, local incidental cost etc.	Installation & Demonstration of satisfactorily working at purchaser site			
1.	ULF Magnetometer		03								

Note:

1. In case of discrepancy between unit price and total price, unit price shall prevail.
2. L1 will be considered as per total price mentioned in column 7(i.e. excluding Total Sales and other Taxes mentioned in column 8).
3. The installation will be done by ISR at respective sites; only testing of workability of the instruments for continuous operation for 7 days is required at ISR, Gandhinagar.
4. RBI rates (closing) of currency conversion will be taken. Date of opening of price bid online will be considered.

Performa of Compliance letter/Authenticity of Information Provided

(On Non judicial Stamp paper of Rs.100 duly attested by the First class Magistrate/Notary Public)

Date:

To,
DGM (Tech.)
Gujarat Informatics Ltd.
Block-1, 8th Floor,
Udhyog Bhavan, Gandhinagar.

Sub: Compliance with the tender terms and conditions, specifications and Eligibility Criteria

Ref: Tender No. HWT060717443

Dear Sir,

With reference to above referred tender, I, undersigned <<Name of Signatory>>, in the capacity of <<Designation of Signatory>>, is authorized to give the undertaking on behalf of <<Name of the bidder>>. We wish to inform you that we have read and understood the technical specification and total requirement of the above mentioned bid submitted by us on **xx.xx.2017**

We hereby confirm that all our quoted items meet or exceed the requirement and are absolutely compliant with specifications mentioned in the bid document.

We also explicitly understand that all quoted items meet technical specification of the bid & that such technical specification overrides the brochures/standard literature if the same contradicts or is absent in brochures.

In case of breach of any tender terms and conditions or deviation from bid specification other than already specified as mentioned above, the decision of GIL Tender Committee for disqualification will be accepted by us.

The Information provided in our submitted bid is correct. In case any information provided by us are found to be false or incorrect, you have right to reject our bid at any stage including forfeiture of our EMD/ PBG/cancel the award of contract. In this event, GIL reserves the right to take legal action on us.

Thanking you,

Dated this _____ day of _____ 2017

Signature: _____
(in the Capacity of) : _____
Duly authorized to sign bid for and on behalf of

Note: This form should be signed by authorized signatory of bidder/prime bidder in case of consortium

Annexure A

Format of Earnest Money Deposit in the form of Bank Guarantee

Ref: Bank Guarantee No.
Date:

To,
DGM (Technical)
Gujarat Informatics Limited
8th Floor, Block -1, Udyog Bhavan,
Sector - 11, Gandhinagar - 382017
Gujarat, India

Whereas ----- (here in after called "the Bidder") has submitted its bid dated ----- in response to the Tender no: HWT060717443 for Purchase of Engineering Seismograph, Radon Monitoring System (Soil), Radon Monitor in water, Gas Chromatograph for Helium Detection, Automatic weather monitoring system & ULF Magnetometer instruments on behalf of Institute of Seismological Research, Gandhinagar, Department of Science & Technology, Govt. of Gujarat KNOW ALL MEN by these presents that WE ----- having our registered office at ----- (hereinafter called "the Bank") are bound unto the _____, Gujarat Informatics Limited in the sum of ----- for which payment well and truly to be made to Gujarat Informatics Limited , the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this -----day of -----2016.

THE CONDITIONS of this obligation are:

1. The E.M.D. may be forfeited:
 - a. if a Bidder withdraws its bid during the period of bid validity
 - b. Does not accept the correction of errors made in the tender document;
 - c. In case of a successful Bidder, if the Bidder fails:
 - (i) To sign the Contract as mentioned above within the time limit stipulated by purchaser or
 - (ii) To furnish performance bank guarantee as mentioned above or
 - (iii) If the bidder is found to be involved in fraudulent practices.
 - (iv) If the bidder fails to submit the copy of purchase order & acceptance thereof.

We undertake to pay to the GIL/Purchaser up to the above amount upon receipt of its first written demand, without GIL/ Purchaser having to substantiate its demand, provided that in its demand GIL/ Purchaser will specify that the amount claimed by it is due to it owing to the occurrence of any of the abovementioned conditions, specifying the occurred condition or conditions.

This guarantee will remain valid up to 9 months from the last date of bid submission. The Bank undertakes not to revoke this guarantee during its currency without previous consent of the OWNER/PURCHASER and further agrees that if this guarantee is extended for a period as mutually agreed between bidder & owner/purchaser, the guarantee shall be valid for a period so extended provided that a written request for such extension is received before the expiry of validity of guarantee.

The Bank shall not be released of its obligations under these presents by any exercise by the OWNER/PURCHAER of its liability with reference to the matters aforesaid or any of them or by reason or any other acts of omission or commission on the part of the OWNER/PURCHASER or any other indulgence shown by the OWNER/PURCHASER or by any other matter or things.

The Bank also agree that the OWNER/PUCHASER at its option shall be entitled to enforce this Guarantee against the Bank as a Principal Debtor, in the first instance without proceeding against the SELLER and not withstanding any security or other guarantee that the OWNER/PURCHASER may have in relation to the SELLER's liabilities.

Dated at _____ on this _____ day of _____ 2016.

Signed and delivered by

For & on Behalf of

Name of the Bank & Branch &
Its official Address

Approved Bank: All Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative & Rural Banks (operating in India having branch at Ahmedabad/ Gandhinagar) as per the G.R. no. EMD/10/2015/508/DMO dated 27.04.2016 issued by Finance Department or further instruction issued by Finance department time to time.

PROFORMA FOR EQUIPMENT AND QUALITY CONTROL EMPLOYED BY THE MANUFACTURER

1. BID NO. DATE OF OPENING:.....
 2. NAME OF THE BIDDER :
- (Note: All details should relate to the manufacturer for the items offered for supply)**
3. Name & full address of the Manufacturer:
Telephone & Fax No Office/Factory/Works:
Telex No. Office/Factory/Works:
Telegraphic address:
 4. Name & full address of the authorized Indian company:
Telephone & Fax No Office/Factory/Works:
Telex No. Office/Factory/Works:
Telegraphic address:
 5. Location of the manufacturing factory.
 6. Details of Industrial License, wherever required as per statutory regulations.
 7. Details of important Plant & Machinery functioning in each dept. (Monographs & description pamphlets be supplied if available).
 8. Details of the process of manufacture in the factory.
 9. Details & stocks of raw materials held.
 10. Production capacity of item(s) quoted for, with the existing Plant & Machinery
 - Normal
 - Maximum
 11. Details of arrangement for quality control of products such as laboratory, testing equipment etc.
 12. Details of staff:
 - Details of technical supervisory staff in charge of production & quality control.
 - Skilled labor employed.
 - Unskilled labor employed.
 - Maximum No. of workers (skilled & unskilled) employed on any day during the 18 months preceding the date of Tender.
 13. Whether Goods/Software/Software is tested to any standard specification? If so, copies of original test certificates should be submitted in triplicate.
 14. Are you registered with the Directorate General of Supplies and Disposals, New Delhi 110 001, India? If so, furnish full particulars of registration, period of currency etc. with a copy of the certificate of registration.

.....
Signature and seal of the Manufacturer

**Performa of Contract-cum-Equipment
Performance Bank Guarantee**
(To be stamped in accordance with Stamp Act)

Ref:

Bank Guarantee No.

Date:

To

Name & Address of the Purchaser/Indenter

Dear Sir,

In consideration of Name & Address of the Purchaser/Indenter, Government of Gujarat, Gandhinagar (hereinafter referred to as the OWNER/PURCHASER which expression shall unless repugnant to the context or meaning thereof include successors, administrators and assigns) having awarded to M/s. having Principal Office at (here in after referred to as the "SELLER" which expression shall unless repugnant to the context or meaning thereof include their respective successors, administrators, executors and assigns) the supply of _____ by issue of Purchase Order No..... Dated issued by Gujarat Informatics Ltd. ,Gandhinagar for and on behalf of the OWNER/PURCHASER and the same having been accepted by the SELLER resulting into CONTRACT for supplies of materials/equipments as mentioned in the said purchase order and the SELLER having agreed to provide a Contract Performance and Warranty Guarantee for faithful performance of the aforementioned contract and warranty quality to the OWNER/PURCHASER, _____ having Head Office at (hereinafter referred to as the 'Bank' which expressly shall, unless repugnant to the context or meaning thereof include successors, administrators, executors and assigns) do hereby guarantee to undertake to pay the sum of Rs. _____ (Rupees _____) to the OWNER/PURCHASER on demand at any time up to _____ without a reference to the SELLER. Any such demand made by the OWNER/PURCHASER on the Bank shall be conclusive and binding notwithstanding any difference between Tribunals, Arbitrator or any other authority.

The Bank undertakes not to revoke this guarantee during its currency without previous consent of the OWNER/PURCHASER and further agrees that the guarantee herein contained shall continue to be enforceable till the OWNER/PURCHASER discharges this guarantee. OWNER/PURCHASER shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee from time to time to extend the time for performance by the SELLER of the aforementioned CONTRACT. The OWNER/PURCHASER shall have the fullest liberty, without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the SELLER, and to exercise the same at any time in any manner, and either to enforce to forebear to enforce any covenants contained or implied, in the aforementioned CONTRACT between the OWNER/PURCHASER and the SELLER or any other course of or remedy or security available to the OWNER/PURCHASER.

The Bank shall not be released of its obligations under these presents by any exercise by the OWNER/PURCHAER of its liability with reference to the matters aforesaid or any of them or by reason or any other acts of omission or commission on the part of the OWNER/PURCHASER or any other indulgence shown by the OWNER/PURCHASER or by any other matter or things.

The Bank also agree that the OWNER/PUCHASER at its option shall be entitled to enforce this Guarantee against the Bank as a Principal Debtor, in the first instance without proceeding against the SELLER and not withstanding any security or other guarantee that the OWNER/PURCHASER may have in relation to the SELLER's liabilities.

Notwithstanding anything contained herein above our liability under this Guarantee is restricted to Rs. _____ (Rupees _____) and it shall remain in force up to and including _____ and shall be extended from time to time for such period as may be desired by the SELLER on whose behalf this guarantee has been given.

Dated at _____ on this _____ day of _____ 2017.

Signed and delivered by

For & on Behalf of

Name of the Bank & Branch &
Its official Address

Approved Bank: All Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative & Rural Banks (operating in India having branch at Ahmedabad/ Gandhinagar) as per the G.R. no. EMD/10/2015/508/DMO dated 27.04.2016 issued by Finance Department or further instruction issued by Finance department time to time.

CONTRACT FORM

THIS AGREEMENT made on the _____ day of _____, 2016 ____ Between _____ (*Name of purchaser*) of _____ (*Country of Purchaser*) hereinafter "the Purchaser" of the one part and _____ (*Name of Supplier*) of _____ (*City and Country of Supplier*) hereinafter called "the Supplier" of the other part :

WHEREAS the Purchaser is desirous that certain Goods and ancillary services viz., _____ (*Brief Description of Goods and Services*) and has accepted a bid by the Supplier for the supply of those goods and services in the sum of _____ (*Contract Price in Words and Figures*) hereinafter called "the Contract Price in Words and Figures" hereinafter called "the Contract Price."

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- 1 In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
- 2 The following documents shall be deemed to form and be read and construed as part of this Agreement, viz. :
 - 2.1 the Bid Form and the Price Schedule submitted by the Bidder;
 - 2.2 terms and conditions of the bid
 - 2.3 the Purchaser's Notification of Award
- 3 In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
- 4 The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
- 5 Particulars of the goods and services which shall be supplied / provided by the Supplier are as enlisted in the enclosed annexure :

TOTAL VALUE:

DELIVERY SCHEDULE:

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed and Delivered by the

Said _____ (For the Purchaser)

in the presence of _____

Signed, Sealed and Delivered by the

Said _____ (For the Supplier)

in the presence of _____