



MAHARAJA SRIRAM CHANDRA BHANJA DEO UNIVERSITY
SRIRAM CHANDRA VIHAR, TAKATPUR, BARIKADA, MAYURBHANJ-757003
No- 574 /MSCBU-19011/29/2022-STORE SEC-MSCB-PART(1) Date: 03-02-2026

TENDER NOTICE

Sealed quotations are invited from **Original Equipment Manufacturers (OEM)/Authorised Dealers/Partners** for "Supply, Installation and Commissioning of Equipments in P.G Department of Geology" at **Maharaja Sriram Chandra Bhanja Deo University, Sriram Chandra Vihar, Takatpur, Baripada-757003, Odisha (MSCBU hereinafter)** in the prescribed format as per the requirements enclosed in the schedule of items given in bid documents. Bid documents with details terms & conditions can be downloaded from MSCBU website <https://www.nou.nic.in/tender.htm>

The tenders along with the tender cost and EMD as given in bid documents in the sealed envelope should be super scribed with "**Tender for Supply, Installation and Commissioning of various Electronic items at Maharaja Sriram Chandra Bhanja Deo University, Baripada Campus**" and submitted through Speed Post / Regd. Post to the office of the Registrar, MSCB University by 05:00 PM on or before 09.02.2026 **The bids shall be opened on 10.02.2026 at 11:30 AM**, more details are available at University Website: <https://www.nou.nic.in/tender.htm>. The authority reserves the right to accept / reject any or all tenders without assigning any reason thereof and will not be responsible for any postal delay. *No correspondence in this regard will be entertained.*

By order of Vice-Chancellor.


Registrar,
MSCB University.

Dated: 03-02-2026

Memo 575 /MSCBU,

Copy to PA to VC / PA to Registrar/COF/Notice Board, with a copy of detail tender documents for information and necessary action.


Registrar
MSCB University

Dated: 03-02-2026

Memo 576 /MSCBU,

Copy to Prof In-charge of University website with request to upload the same in the university website for wide publication.


Registrar
MSCB University

TENDER DOCUMENT

Tender Notice for: “ Supply, Installation and Commissioning of Equipments in P.G Department of Geology” at **Maharaja Sriram Chandra Bhanja Deo University, Sriram Chandra Vihar, Takatpur, Baripada – 751003, Dist: Mayurbhanj, Odisha, India**

MSCBU invites sealed offers bidding for above mentioned various items at **Maharaja Sriram Chandra Bhanja Deo University, Baripada Campus**

Interested parties may download the Tender Document from University Website <https://www.nou.nic.in/tender.htm>

1. **Submission of Bids:** 09.02.2026 upto 5:00 PM
2. **Opening of Bid Date:** 10.02.2026 at 11:30 AM
3. **Tender fee (Non-Refundable):** Rs.1000/- (Rupees One Thousand only) in the form of a DD favouring **The Comptroller of Finance, MSCBU, Takatpur payable at Baripada.**
4. **Earnest Money Deposit:** The Bidder shall submit their quotes along with EMD of Rs. 5,000/- (Rupees Five Thousand only). EMD should be in the form of DD / Bank Guarantee favouring **The Comptroller of Finance, Maharaja Sriram Chandra Bhanja Deo University, Takatpur, Baripada-757003 payable at Baripada.**

SECTION 1: INVITATION FOR BIDS (IFB)

1. Scope of Work & Technical specifications:

Detailed scope of work and technical Specifications is as per enclosed **Annexure I**

2. Eligibility Criteria for bidders:

The eligibility criteria for pre-qualification of bidders are as under:

- i. In case the tenderer is an authorized firm then it must submit the authorization from the Registered Company/OEM. In absence of authorization, the Bid is liable to be rejected.
- ii. The OEM must have India presence.
- iii. The bidder should be an organization / company in operation with office and Service Support Centre in Odisha, to ensure satisfactory service support after sales.
- iv. The bidder must have at least three years of experience in AMC Services support of Electrical/Electronic equipments or items in any Government / PSU / Corporate / Banking Sectors / Reputed private sector in the state of Odisha starting from 2023. The documentary proof for the same must be enclosed. In absence of supporting documents, the bid is liable to be rejected.
- v. **Execution of job has to be done by single vendor only no third party transfer will be allowed**
- vi. The bidder should be a registered firm under GST Act. The bidder should furnish the GST registration certificate, PAN No. details, along with the tender paper and to enclose copies of supporting documents. In case of company or partnership firm, the registration certificate under companies Act/Registered firms must be enclosed. In absence of above documents, the Bid is liable to be rejected.

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- vii. The bidder should not be black listed in any of the Govt. Organization. Undertaking in this regard must be submitted.
- viii. Before submission of the tender paper, please verify the eligibility criteria and ensure fulfilling all the terms and conditions.

3. Bid Submission:

The offer must be submitted in sealed envelopes mentioning following details:

- a) **“Submission of quotations for Supply, Installation and Commissioning of Equipments in P.G Department of Geology”**
- b) **TENDER NOTICE NO. & DUE DATE & TIME** with the address of the firm should be mentioned in the sender side of the envelope with contact number.

3.1 Specifications shall contain:

- An Undertaking / Authorization certificate as mentioned under Eligibility Criteria.
- **Company Profile (as per PROFORMA I) along with all the supporting documents as desired.**
- Non-Refundable Tender fee of Rs. 1000/- (Rupees One Thousand only) in the form of DD / Pay Order favouring Comptroller of Finance, MSCB University, payable at Baripada. Quotations without Tender Fee shall be rejected.
- Refundable Earnest Money Deposit (EMD): Offers without Earnest Money Deposit will be rejected.
- Acceptance to the terms and conditions laid down in the tender document. Any deviation in the general terms and condition will lead to the rejection of the bid.
- The bid should also contain the Price details with proper seal and signature of authorized person. Prices should be given in INR in both figures and words.

4. Opening of Bid

Bids will be opened on 10.02.2026 at 11:30 AM. Interested bidders may attend the bid opening as per the schedule.

The outer cover super scribing in which these sealed covers are to be placed should be addressed and reach to:

**THE REGISTRAR,
MSCB UNIVERSITY
TAKATPUR
BARIPADA-757003
ODISHA, INDIA.**

SECTION II: INSTRUCTION TO BIDDERS (ITB)

1. Bid Validity

Bids shall be valid for minimum 90 Days from the date of opening. A bid valid for a shorter period shall not be considered. MSCB University, Baripada may ask bidders to extend the period of validity.



2. Execution of work as per our present requirement must be completed at MSCB University, Baripada within 20 days from the date of Purchase Order to meet the timelines. However, separate order may be placed for additional quantities on the same rates on "As and when required", basis within the Bid Validity period as above.

3. Documentation

1. In case of any discrepancy between rates mentioned in figures and words, the latter shall prevail. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected.

2. Materials must be properly packed against any damage and insured up to the destination. The material should be directly supplied to MSCB University, Baripada. All the expenses involved in shipping the equipment to MSCB University, Baripada shall be borne by the Bidder. All aspects of safe delivery shall be the exclusive responsibility of the Bidder. MSCB University, Baripada will have the right to reject the component/Equipment supplied, if it does not comply with the specifications at any point of repairment/inspection.

3. MSCB University, Baripada reserves the right to divide / split the order between more than one technically qualified bidder to meet the **Technical Requirements and Work execution Schedule**.

4. Earnest Money is liable to be forfeited and bid is liable to be rejected, if the bidder withdraw or amends, impairs or derogates from the tender in any respect within the validity period of the tender.

5. The Earnest Money of all the unsuccessful bidders shall be returned as early as possible but within the Bid Validity period but not before 30 days from the date of Purchase Order. No interest will be payable by MSCBU on the Earnest Money Deposit. The Earnest Money of successful bidder shall be returned after successful performance of the equipment.

6. If any equipment or part thereof is lost or rendered defective during transit, the bidder shall immediately arrange for the supply of the equipment/particulars or part thereof, as the case may be, at no extra cost.

7. The rates should be quoted in Indian Rupees for delivery at the Site **BOTH IN FIGURES & WORDS**. All prices shall be fixed and shall not be subject to escalation of any description during the bid validity period.

8. The price should be exclusive of all taxes, otherwise the offers which are not as per the format will be rejected.

9. MSCB University, Baripada reserves the right to accept / reject the offers or cancel the whole tender proceedings without assigning any reason whatsoever. Offers through Email / Fax, etc and open offers shall not be accepted. Late / Delayed offers shall not be accepted under any circumstances. Incomplete offers shall be rejected outright. In case the specified date for the submission of offers being declared as a holiday for MSCB University, Baripada, the bid-closing deadline shall stand extended to the next working day up to the same time.

10. Any attempt of negotiation direct or indirect on the part of the Tenderer with the authority to whom he has submitted the tender or authority who is competent finally to accept it after he has submitted his tender or any endeavour to secure any interest for an actual or prospective bidder or to influence by any means the acceptance of a particular tender will render the tender liable to be rejected.



11. The prospective bidders requiring any clarification about the contents detailed in the tender document may notify to MSCB University, Baripada in writing at MSCB University's address. Clarifications received till 72 hours before the closing date / time of receipt of bids will be responded.

12. The items/equipment supplied must be supported by the bidder's technical support engineers. The support must be available 24 hours in a day, seven days a week and 365 days a year. Also provide toll free number / web / email so that it should be possible to contact the Principal Bidder's (OEM's) support Centre.

13. **Unsatisfactory Performance:** The Parties herein agree that MSCB University, Baripada shall have the sole and discretionary right to assess the performance(s) of the Bidder components(s), either primary and or final, and MSCB University, Baripada without any liability whatsoever, either direct or indirect, may reject the system(s) component(s) provided by the Bidder, in part or in its entirety, without any explanation to the Bidder, if found unsatisfactory and not up to level of the acceptance of MSCB University, Baripada.

14. **Disclaimer:** This Tender / Request for Proposal (RFP) is not an offer by MSCB University, Baripada but an invitation for bidder's response. No contractual obligation whatsoever shall arise from the RFP/Tender process.

15. **Declaration:** A signed undertaking to the effect that the Agency has not been blacklisted by any of the Departments/Organizations of the Government of India/Government of Odisha and no criminal case is pending against the said firm/agency/proprietor (As per Annexure III (Undertaking)). Undertaking showing that Terms and Conditions of the tender have been duly accepted with stamp of the prospective bidder.

16. **Each page of the tender document be signed and stamped by the authorized signatory and submitted along with technical bid.**

17. Bids without Tender document cost/E.M.D shall be rejected summarily.

18. Submission of documents should be followed as per Annexure IV

19. **Solving Disputes:** The Institution & the Tenderers shall make all efforts to resolve amicably by direct informal negotiation on any disagreement or dispute arising between them under or in connection with this contract.

All disputes arising out of the contract shall be referred to courts under the jurisdiction of the Baripada only.

The selection for procurement of Equipment will be based on quality and performance along with cost. In this context decision of technical committee nominated by MSCB University is final based on documentary evidence or actual physical verification.

The above terms and conditions except those otherwise agreed upon shall form a part of the Purchase Order.

17. **Termination for insolvency:** If the supplier becomes bankrupt or otherwise insolvent, the purchaser may terminate the contract by giving written notice to the supplier, without any compensation to the supplier, provided, the such termination will not prejudice or affect any right of action or remedy which has accrued and / or will accrue thereafter to the purchaser.

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SECTION III: SPECIAL CONDITIONS OF CONTRACT (SCC)

1. **Make & Model** of the Item should be quoted in the prescribed format as per **Annexure-I**.
2. **Price Basis:** Price quoted should be in the prescribed format as per **Annexure-II**. The quoted price will be considered firm and no price escalation will be permitted during the bid validity period. Maximum educational discount as could be offered should also be mentioned.
3. **Billing:** Billing is to be done in the name of **The Registrar, MSCB University, Takatpur, Baripada-757003**.
4. **Payment:** 100% of invoice value will be made on the basis of verification & technical inspection report duly certified by authorized representative of MSCB University and submission of invoice. No advance payment or payment against Performa invoice will be made.
5. **Warranty:** The parts/whole of the items should cover at least warranty for 1 year or as specified in the supplied instruments/items.

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PRE-QUALIFICATION/ELIGIBILITY**PROFORMA-I****PARTICULARS OF THE BIDDERS TO BE FURNISHED IN BID FOR THE PURPOSE OF PRE-QUALIFICATION:**

1	Name of Organization /Firm / Company	
2	Address & phone Number	
3	Year of establishment	
4	Status of the Firm (Company/Firm/Proprietary)	
5	Whether registered with the registrar of companies/registrar of firms. If so attach the copy of certificate.	
6	a)Name& Mobile Number of Managing Director/Managing Partner/Proprietor	
7	Whether registered with GST. Enclose the relevant copies with clearance certificates	
8	Furnish copy of PAN, Latest Income Tax Return filed.	
9	Furnish copies of audited balance sheet & profit & loss account for the last three years certified by CA.	
10	ISO 9001 certificate	
11	Furnish PO copy	
12	Furnish OEM authorization certificate.	
13	"Undertaking" for not be a Blacklisted Firm.	
14	EMD Payment made or not? If YES, Mention details	
15	Whether, Tender Cost paid or not? If YES, Mention details.	

I certify that I meet the eligibility criteria described in section 2 of the bid.

Place:

Date:

Name, Signature & Seal of Bidder:

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ANNEXURE-I

NAME OF EQUIPMENTS WITH QUANTITY

SL NO.	ITEM	SPECIFICATONS	QUANTITY	MAKE	MODEL
1.	Ore Microscope	As mentioned below	02		
2.	Petrological Microscope (Binocular Polarising)	As mentioned below	02		
3.	Poly-surface Ore-Microscope (Binocular)	As mentioned below	01		
4.	Geological Field Kit				
a)	Brunton Compass	As mentioned below	15		
b)	Geological Hammer	As mentioned below	15		
c)	Geological Crack Hammer	As mentioned below	15		
d)	Measuring Tape	As mentioned below	15		
e)	Field Sample Collection Bag	As mentioned below	15		
f)	Pocket Lens	As mentioned below	15		
g)	Pocket Magnet	As mentioned below	15		
5.	Field Camera	As mentioned below	01		
6.	TDS Meter	As mentioned below	02		
7.	Water Analyzer Kit	As mentioned below	01		
8.	Flame Photometer	As mentioned below	01		
9.	Single Distilled Water Machine	As mentioned below	01		
10.	Weight Machine	As mentioned below	01		
11.	Resistivity Meter	As mentioned below	01		
12.	Conductivity Meter	As mentioned below	01		
13.	Samples	As mentioned below			
14.	Specimen	As mentioned below			
15.	Models	As mentioned below			

SPECIFICATIONS OF ABOVE MENTIONED EQUIPMENTS

SI no. 1: ORE MICROSCOPE

- **Type:** Reflected light (incident illumination) ore microscope, suitable for ore mineral identification and metallographic studies.
- **Observation Head:** Trinocular head, inclined at 30°, with beam splitter for simultaneous visual observation and photo micrography.
- **Eyepieces:** Wide-field eyepieces 10×/18mm (or higher field number as supplied)
- **Objectives:** Strain-free, infinity-corrected reflected light objectives (e.g., 5×, 10×, 20×, 50 × oil immersions) suitable for ore microscopy.

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- **Illumination:** Built-in high-intensity white LED light source with brightness control for reflected light.
- **Polarization:** Built-in polarizer and analyzer for reflected light polarization studies
- **Stage:** Circular mechanical stage, 360°rotatable, with smooth-Y movement and stage locking facility.
- **Focusing System:** Coaxial coarse and fine focusing with fine focus precision of approximately 1 μm .
- **Analyzer System:** Slide-in/swing in analyzer for crossed and parallel polarized light observations.
- **Filter Holder:** Provision for color and neutral density filters.
- **Photographic Attachment:** Trinocular port compatible with digital microscope camera
- **Accessories:** Dust cover, immersion oil, user manual and necessary alignment tools
- **Power Supply:** 220–240VAC, 50 Hz
- **Warranty:** Minimum 1 year (extendable as per supplier terms)

SL NO. 2: PETROLOGICAL MICROSCOPE (BINOCULAR POLARISING)

- Polarising microscope suitable for both incident (reflected) and transmitted light illumination.
- Fine focusing mechanism switchable between 1 μm and 4 μm step resolution.
- Adjustable stage height with 360° rotatable stage.
- Inclined trinocular observation tube with beam splitter for simultaneous visual observation and image documentation.
- Wide-field eyepieces: 10 \times / 22 mm field of view.
- High-power LED illumination with intensity control for both incident and transmitted light. White LED light source for both incident and transmitted illumination. Polarising condenser. Separate polarizers for transmitted and reflected light with aligned optical axes.
- Switchable Bertrand lens for coloscopy and orthoscopy applications.
- Compensators: λ plate and $\lambda/4$ plate. Digital color microscope camera with software for image capture, analysis, and control through a computer system.

SL NO. 3: POLY-SURFACE ORE-MICROSCOPE (BINOCULAR)

- The microscope shall be a high-resolution, infinity-corrected, binocular ore microscope with achromatic, anti-reflective coated objectives and wide-field 10 \times /22 mm eyepieces.
- The inter pupillary distance shall be adjustable between 50–75 mm. Objectives shall include 4 \times , 10 \times , 20 \times , and 50 \times (Plan Achromatic or Plan Semi-Apochromatic) with parfocal and paracentral design.
- The microscope shall feature both transmitted (bright field) and reflected (incident) LED illumination with adjustable intensity, Koehler illumination support, and a flicker-free light source.
- It shall have a mechanical XY stage with at least 75 \times 50 mm travel, adjustable height, and micrometre scales, along with coaxial coarse and fine focus adjustable from 1–4 μm .
- The viewing tube shall be binocular (30° inclination) with optional trinocular configuration and beam-splitting for simultaneous observation and documentation.

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- Additional features shall include polarizing accessories, digital camera compatibility, ergonomic design, and a dust- proof, corrosion-resistant body. All optical components shall be ISO-certified and the unit shall be CE / RoHS compliant.

SL NO. 4: GEOLOGICAL FIELD KIT

a) BRUNTON COMPASS

- **Type:** Precision geological and surveying compass with clinometers
- **Body:** Durable, corrosion resistant metal construction, designed for field and laboratory use.
- **Compass:** Liquid-filled magnetic compass with stable needle for accurate azimuth readings.
- **Clinometer:** Integrated clinometer for measuring vertical angles and slopes.
- **Sighting System:** Adjustable sighting vane and mirror for precise alignment and observation.
- **Accuracy:** Angular measurements accurate to 1°(Degree) or better vernier scale for finer solution.
- **Scale:** Dual-scale for degrees and mils, for versatility in mapping and surveying.
- **Ergonomics:** Lightweight and portable with foldable components for field use.
- **Accessories:** Protective carrying case, cleaning cloth, and calibration instructions included.
- **Compliance:** Manufactured as per international quality standards, suitable for academic, research, and tender procurement requirements.

b) GEOLOGICAL HAMMER

- Geologists' Trimming Hammer
- **Material:** Carbon Steel
- **Grip type:** Rubberized
- **Capacities:** 1000gms, 750gms and 450gms

c) GEOLOGICAL CRACK HAMMER

- Geologists' Crack Hammer
- Single forged unit with Nylon Vinyl shock reduction grip
- **Capacities:** 3lbs

D) MEASURING TAPE

- **Material:** Metallic/Steel/Fibre
- **Length:** i) 3 meters ii) 15 meters iii) 30 meters iv) 50 meters

E) FIELD SAMPLE COLLECTION BAG

- Plastic self-sealing type with lable of various sizes.
- Heavy cotton with draw string. Labled with various sizes.

E) POCKET LENS

- Folding type
- **Magnification Upto 10X**
- **Magnification Upto 20X**

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F) POCKET MAGNET

- Horseshoe Type
- Powerful

SL NO. 5: FIELD CAMERA

- 24-25 Mega Pixel
- CMOS sensor
- 9-11 AF points with 1 centre cross-type AF point
- Standard ISO 100 - 25600
- Wi-Fi / NFC supported
- DIGIC 4+ image processor/ expeed 4 processor
- Lens: 18-55 mm Lens
- VR Lens: 70-300mm

SL NO. 6: TDS METER

- **Type:** Digital Hand held TDS (Total Dissolved Solids) Meter
- **Measurement Range:** 0 –9999 ppm(mg/L)
- **Resolution:** 1ppm (0–999ppm) and 10 ppm (1000–9999 ppm)
- **Accuracy:** ±2%offull scale
- **Temperature Range:**0–50 °C
- **Temperature Compensation:** Automatic Temperature Compensation (ATC)
- **Display:** Large LCD digital display with clear reading
- **Calibration:** Factory calibrated/ manual calibration facility
- **Electrode/Sensor:** Built-in replaceable conductivity probe
- **Power Supply:** Battery operated (e.g.,2×1.5VAAA or equivalent)
- **Response Time:** ≤2 seconds
- **Operating Environment:** Laboratory and field conditions
- **Housing:** Lightweight, compact, splash-proof casing
- **Auto Features:** Auto power-off to conserve battery
- **Applications:** Drinking water, ground water, laboratory analysis, environmental and hydro geological studies
- **Accessories:** Protective carrying case, user manual, batteries
- **Warranty:** Minimum 1year

SL NO. 7: WATER ANALYZER KIT

- **Light Source:** White light tungsten lamp.
- **Measurement of Scattered Light:** 30°scatter nephelometric method.

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- **Turbidity Measurement Range:** Minimum: 0 NTU (or FNU) & Maximum: 100NTU (or FNU)
- **Temperature Sensor/ Probe Type:** Resistance Temperature Detector (RTD).
- **Temperature Measurement Range:** Minimum: 0°C & Maximum:100 °C.
- **Cable Length (Probe to Instrument):** 0 m (no external probe included in the scope of supply).
- **Temperature Correction:** Manual. Salinity Correction: Manual.
- **Barometric Pressure Correction:** Manual.
- **Operating Conditions:** Minimum operating temperature-0 °C & Maximum operating temperature-60°C
- **Operating humidity:** Upto 85% RH at 40 °C

SL NO. 8: FLAME PHOTOMETER

- **Type:** Digital Flame Photometer
- **Elements Measured:** Sodium (Na), Potassium (K)
- **Optional/ Additional Filters :** Lithium(Li), Calcium(Ca)
- **Measurement Range:**
Sodium (Na):0–200ppm
Potassium (K):0–100ppm Accuracy: ±2% of full scale
- **Sensitivity:**
Sodium: ≤ 1 ppm
Potassium: ≤ 2 ppm
- **Linearity:**±2%acrossmeasurement range
- **Detector:** Photocell/Photo

SL NO. 9: SINGLE DISTILLED WATER MACHINE

- **Type:** Single StageDistilled Water Machine
- **Distillation Method:** Electrical heating with condensation system
- **Output Capacity:** 2–4 litres per hour (or as specified in tender)
- **Water Quality:**
Conductivity: ≤ 5 μS/cm
Total Dissolved Solids (TDS):≤10ppm
- **Construction Material:** Borosilicate glass / Stainless Steel condenser and boiling chamber
- **Cooling System:** Efficient water-cooled condenser
- **HeatingElement:** Corrosion-resistanttimmersionheater
- **Power Supply:** 230 V ±10%, 50 Hz AC
- **PowerConsumption:** Approximately 2–3kW
- **Safety Features:**

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Automatic cut-off or low water level

Over-temperature protection

- **Mounting:** Bench-top/wall-mountable design
- **Operation:** Continuous automatic operation
- **Feed Water:** Tapwater
- **Drain System:** Continuous discharge of impurities
- **Applications:** Chemical analysis, reagent preparation, academic and research laboratories
- **Accessories:** Collection vessel, connecting pipes, clamps, user manual
- **Warranty:** Minimum 1 year

SL NO. 10: WEIGHT MACHINE

- Electronic Precision Pan Balance.
- **Rated load/capacity:** 500g
- **Resolution:** 1 mg.
- **Display:** LCD
- **Measurement speed:** Approximately 6 seconds.
- **Internal calibration:** Yes;
- **Power supply:** Single phase with battery backup;
- **Warranty:** Minimum 1 year.
- **Pan/platform size:** 100mm diameter.

SL NO. 11: RESISTIVITY METER

- **Input power source :** 24V rechargeable batteries
- **Power output :** 180 watts (Current upto 2 Amp) 350V (700V peak to peak) automatic voltage selection
- **Frequency :** 0.8Hz (Approx.)
- **Noise rejection :** 95 db
- **Potential measuring range :** Microprocessor based unit with measurement resolution of 10 micro volts
- **Range selection :** Automatic
- **Resistance range :** 10⁻⁵ to 10⁴ ohms
- **Self potential cancellation :** Automatic
- **Dynamic range :** 15 bits
- **Data averaging :** Upto 16 cycles
- **Input impedance :** 1 Mega Ohm
- **Accuracy :** + 1%
- **Interaction with the system :** User friendly menu operation with 6x5 feather touch key pad and 20x4 Alphanumeric Liquid Crystal Display
- **Measurement display :** Stack No./Stacks selected, next line current and running average of average of resistance
- **Output :** Survey code, Date, Time, Display of Electrode spacings, Resistance, Apparent Resistivity and Longitudinal Conductance through 20x4 Alphanumeric Liquid Crystal Display

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- **Data transfer** : The data can be transferred directly to any windows based PC through USB port for analysis and interpretation
- **Depth penetration** : upto 600 m under favorable geological / field conditions
- **Protection** : Protected against circuit overloads
- **Error Signals for** : Poor Current and Potential electrode grounding and discontinuity
- **Additional Features:** A resistivity meter first of its kind in the world. Directly measures the true (strip) resistivity of the formation occurring between two successive current electrode spacings.

SL NO. 12: CONDUCTIVITY METER

- **Maximum measuring range for conductivity:** 3000mS/cm
- **Number of measurement ranges:** 4
- **Resolution:** 0.001 μ S/cm
- **Temperature compensation:** Automatic and Manual.

SL NO. 13: SAMPLES

Sl no.	Item	Specification	Quantity
1.	Thin Section Slide Igneous rock	The thin section slides shall consist of representative igneous rock specimens professionally prepared for petro-graphic study. Each thin section shall be mounted on standard optical-grade glass slides of approximate size 75 × 25 mm, with the rock section ground and polished to a uniform thickness of 30 ± 2 μ m, ensuring clear transmission of light under polarized microscopy. The sections shall be suitable for observation under plane-polarized and cross-polarized light.	05
2.	Thin Section Slide Sedimentary rock		05
3.	Thin Section Slide Metamorphic rock		05

SL NO. 14: SPECIMEN

Sl no.	Item		Quantity
1.	Brachiopoda	Lingula	01
		Spirifer	01
		Terebratula	01
		Rhynchonella	01
	Trilobites	Agnostida	01
		Proetus	01
		Harpetide	01
		Redlichiida	01
	Pelecypods	Cyrena	01
		Pecten	01
		Mytilus	01
		Ostrea	01
Fossils			

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		Gastropods	Turritella	01
			Trochus	01
			Physa	01
			Nerita	01
2.	Rock forming Minerals		Quartz	01
			Feldspar	01
			Muscovite	01
			Amphibole	01
			Pyroxene	01
			Calcite	01
			Talc	01
			Olivine	01
			Tourmaline	01
			Orthoclase	01
			Gypsum	01
			Kyanite	01
			Garnet	01
			Corundum	01
			Topaz	01
			Andalusite	01
			Biotite	01
			Dolomite	01
			Kaolinite	01
			Augite	01
			Serpentine	01
3.	Metal Ore minerals		Aluminum	01
			Chromium	01
			Cobalt	01
			Copper	01
			Iron	01
			Manganese	01
4.	Non-metal ore minerals		Graphite	01
			Gypsum	01
			Feldspar	01
5.	Megascopic Igneous Rock Hand		Amygdaloidal-Basalt	01
			Massive-Basalt	01
			Dolerite	01
			Gabbro	01
			Anorthosite	01
			Pegmatite	01

02

	Specimen (weight more than 100gram)	Granite	01
		Porphyritic-Granite	01
		Bronxite-Peridotite	01
		Dunite	01
		Diorite	01
6.	Megascopic Sedimentary Rock Hand Specimen (weight more than 100gram)	Silicious Sandstone	01
		Red-Sandstone	01
		Cross-bedded Sandstone	01
		Conglomerate	01
		Breccia	01
		Shell-Limestone	01
		Baripada-Limestone	01
		Pink-Limestone	01
	Ferruginous-Shale	01	
7.	Megascopic Metamorphic Rock Hand Specimen (weight more than 100gram)	Marble	01
		Slate	01
		Khondalite	01
		Talc-Schist	01
		Mica-Schist	01
		Green-Quartzite	01
		Pink-Quartzite	01
		Augen-Gneiss	01
		Banded-Gneiss	01
		Acid-Charnockite	01
		Basic-Charnockite	01
		Garnetiferous-Quartzite	01
	Phyllite	01	

SL NO. 15: MODELS

Sl no.	Item	Quantity
1.	3D raised relief Model (Fold & Fault). Ten different figures	10
2.	Crystallographic Wooden Model Consists of: a. Isometric System- 1 set b. Tetragonal System- 1 set c. Hexagonal System- 1 set d. Orthorhombic System- 1 set e. Monoclinic System -1 set f. Triclinic System -1 set)	6 set
3.	Volcanic Model, 3D raised relief Model	1 Set

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ANNEXURE II

FINANCIAL BID

Sl no.	Items	Quantity	Rate per unit (In Rs.)	Total price in Rs (exclusive of TAX)
1				
2				
3				

Note:

- 1) Quoted Price is exclusive of all taxes, transportation duty and other charges if any.
- 2) Product quantity varies as per requirement.

ANNEXURE III

IT IS CERTIFIED THAT MY FIRM/COMPANY/AGENCY HAS NEVER BEEN BLACK LISTED BY ANY OF THE DEPARTMENTS/ AUTONOMOUS INSTITUTIONS/ UNIVERSITIES/PUBLIC SECTOR UNDERTAKINGS OF GOVERNMENT OF INDIA OR GOVERNMENTS OF ODISHA OR ANY OTHER STATE GOVERNMENT OR PUBLIC SECTOR BANKS OR LOCAL BODIES/ MUNICIPALITIES AND NO CRIMINAL CASE IS PENDING AGAINST MY FIRM/ AGENCY AS ON 09.02.2026.

AND

I/WE UNDERSTAND THAT THE DETAILS OF THE ITEMS/SERVICES AS PROVIDED ABOVE ARE SUBJECT TO CHANGE. I/WE AGREE THAT IN CASE OF ANY CHANGE IN THE QUANTITIES REQUIRED FOR ANY OF SERVICES, I/ WE WOULD BE SUPPLYING THE SAME AT THE RATES AS SPECIFIED IN COMMERCIAL BID. I /WE AGREE TO ADHERE TO THE RATES GIVEN ABOVE EVEN IF THE QUANTITIES UNDERGO A CHANGE.

Place:

SIGNATURE OF THE BIDDER WITH STAMP

Date:

GA

ANNEXURE IV

CHECK LIST

(Please tick yes or No: Y/N)

- Tender Cost bank draft no. & date (Y/N):
- EMD bank draft No & date (Y/N):
- PROFORMA- I duly fill in (Y/N):
- Valid GSTIN Certificate (Y/N):
- Valid PAN Card (Y/N):
- IT return (Y/N):
- Experience certificate (if any) (Y/N):
- Proof of P.O. copies (Y/N):
- Any other relevant documents as per Tender notice. (Y/N):
- List of items quoted

Place:

Date:

Name, Signature & Seal of Bidder.

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