

**No.F.20023/1/2023/NMET/DGM
DIRECTORATE OF GEOLOGY & MINING
MIZORAM : AIZAWL**

Dated Aizawl, the 18th February 2025

To

The Director
National Mineral Exploration Trust
Ministry of Mines
Room No. 325 & 326, Wing-F,
Udyog Bhawan,
Rafi Ahmed Kidwai Marg,
Rajpath Area, Central Secretariat
New Delhi-110011

Sub: - Submission of information/documents for releasing 2nd instalment w.r.t. 1st Procurement Project.

Ref: - Your e-mail dt. 17th February 2025.

Sir,

With reference to the subject matter and in response to the aforementioned email, I am writing to inform you that the Directorate of Geology & Mining (DGM), Mizoram, procured one set of DGPS in 2024. Additionally, nine items (listed in Annexure-I) are currently in the supply stage, provided by ZRM Enterprise, D-31/A Ramhlun (N), Basic Mual, Aizawl, Mizoram, with GST No. 15AVPPL7027E1ZI.

However, due to an unforeseen delay in the supply of the Scintillometer, payment for the aforementioned items has not yet been processed. Consequently, the bill copy for these nine items cannot be issued at this time. Once all nine items are received, a payment of Rs. 22,62,000 will be made, and the corresponding bill copy will be provided.

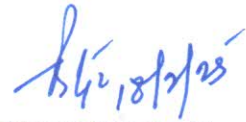
Regarding the items Handheld GPS, Pulverizer, Research Polarizing Microscope, Fusion Bead Machine, and Press Pellet Machine, surveys were conducted, and suppliers were contacted to submit their quotations. The Bid Document is currently under preparation and is expected to be floated on the Government e-Marketplace (GeM) soon through the Custom Bidding facility.

For the items Hydrostatic Drill Machine, Drill Accessories, Pumps, and Core Splitter, market surveys are still ongoing. However, we anticipate that procurement will be initiated at least within the current financial year.

Enclo: -

1. Copy of Bill for GIS Software.
2. List of items in the supply stage (Annexure-I).

Yours sincerely,



(R. ZIRTLUANGA)

Director

Geology & Mining

Mizoram : Aizawl

Memo No.F.20023/1/2023/NMET/DGM

:

Dated Aizawl, the 18th February 2025

Copy to: -

1. The Under Secretary to the Government of Mizoram, Commerce & Industries Department for kind information.



Director

Geology & Mining

Mizoram : Aizawl

Reference: CSS/2024-25/MZ/Geology/P/01

Date: 18th December 2024

To

The Director

Geology & Mining Department

Government of Mizoram

Subject: Price Break of Product supplied against Order no: GEMC-511687799739776 dated: 07-Feb-2024

Dear Sir,

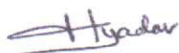
This has reference to the above subject Further to that, please find attached the Price breakup of the Product for your kind perusal.

SI	Product	Quantity	Price
01	Trimble DGPS <ul style="list-style-type: none"> Trimble DA2 Base- Qty-1 Trimble DA2 Rover- Qty-1 	1 Set	13,53,000=00
02	GIS Software Infrastructure <ul style="list-style-type: none"> ArcGIS Desktop Standard Latest Version- Single User ArcGIS Desktop Basic Latest Version- 2 Users ArcGIS Desktop Extension - Spatial Analyst Latest Version- Single User 	1 Set	38,97,000=00
Sub Total			52,50,000=00
GST @ 18%			9,45,000=00
Grand Total			61,95,000=00

Should you require any other assistance/clarification please feel free to contact us.

Thanking you

For CSS GeoSpatial



Hemant Kumar Yadav

+91-8981232229



Annexure-I

Sl. No.	Items	Qty	Estimated Cost per unit (Rs.)	Total Estimated Cost (Rs.)	Status
1.	Digital Camera DSLR	1	1,25,000	1,25,000	Supplied
2.	Brunton Compass	10	10,000	1,00,000	Supplied
3.	Geologist Hammer	10	7,200	72,000	Supplied
4.	Scintillometer	1	6,00,000	6,00,000	Not yet received
5.	Rock Processing Unit	1	10,00,000	10,00,000	Supplied
6.	Hot Plates	1	10,000	10,000	Supplied
7.	Muffle Furnace	1	1,00,000	1,00,000	Supplied
8.	Air Oven	1	55,000	55,000	Supplied
9.	Bomb Calorimeter	1	2,00,000	2,00,000	Supplied
Total			22,62,000	22,62,000	8 out of 9 supplied

No.F.20023/1/2023/NMET/DGM
DIRECTORATE OF GEOLOGY & MINING
MIZORAM : AIZAWL

Dated Aizawl, the 18th February 2025

To

The Director
National Mineral Exploration Trust
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Room No. 325 & 326, Wing-F,
Udyog Bhawan,
Rafi Ahmed Kidwai Marg,
Rajpath Area, Central Secretariat
New Delhi-110011

Sub: - Submission of information/documents for releasing 2nd instalment w.r.t. 2nd Procurement Project worth Rs. 1,95,99,000.

Ref: - Your e-mail dt. 12th December 2024.

Sir,

With reference to the subject and in response to the aforementioned email, I have the honour to inform you that DGM, Mizoram has received Government Approval for the **Single Tender Enquiry** for the procurement of the WD-XRF valued at Rs. 1,50,00,000, under the project titled “**Financial assistance from NMET funds to procure machinery/laboratory equipment/instruments, etc., aimed at enhancing exploration activities.**” The approval was granted on February 4, 2025, in accordance with Section 17, Sub-section (1), Clause (a) & (b) of the Mizoram Public Procurement Rules 2000.

The NIT/Tender Document was sent to **I.R. TECHNOLOGY SERVICES Pvt. Ltd.**, located at ECO SPACE Business Park, Block No. 4B, 9th Floor, Unit No. – ESNT 4B 0903, Rajarhat Kolkata – 700160, via email, inviting them to submit their quotation. In response, I.R. TECHNOLOGY SERVICES Pvt. Ltd. submitted their quotation under the Two-Bid System, consisting of a Technical Bid and a Financial Bid. Upon thorough evaluation, I.R. TECHNOLOGY SERVICES Pvt. Ltd. was deemed qualified for supply of the item, i.e. **DESKTOP WAVELENGTH DISPERSIVE X-RAY FLUORESCENCE SPECTROMETER (WD-XRF) WITH ACCESSORIES.**

However, the procurement process is not yet complete, as it requires further steps, including obtaining recommendations from the State Purchase Advisory Board (SPAB), for which the proposal for the meeting is currently being submitted. Once the SPAB's recommendation is received, I.R. TECHNOLOGY SERVICES Pvt. Ltd. will be instructed to deliver the item(s), which is expected to take approximately six months

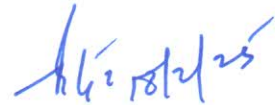
for delivery to our office as the item is to be imported from Rigaku Corporation, 3-9-12, Matsubara-cho, Akishima-shi - 196-8666, Tokyo, Japan.

As per your request, enclosed are copies of the Bill of GIS software procured by DGM, with an invoice date of February 20, 2024, and the Tender Document for the WD-XRF.

Enclo: -

1. Copy of Bill for GIS Software
2. Tender Document for WD-XRF

Yours sincerely,



(R. ZIRTLUANGA)

Director

Geology & Mining

Mizoram : Aizawl

Memo No.F.20023/1/2023/NMET/DGM : Dated Aizawl, the 18th February 2025

Copy to: -

1. The Under Secretary to the Government of Mizoram, Commerce & Industries Department for kind information.

Reference: CSS/2024-25/MZ/Geology/P/01

Date: 18th December 2024

To

The Director

Geology & Mining Department

Government of Mizoram

Subject: Price Break of Product supplied against Order no: GEMC-511687799739776 dated: 07-Feb-2024

Dear Sir,

This has reference to the above subject Further to that, please find attached the Price breakup of the Product for your kind perusal.

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Grand Total			61,95,000=00

Should you require any other assistance/clarification please feel free to contact us.

Thanking you

For CSS GeoSpatial



Hemant Kumar Yadav

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**GOVERNMENT OF MIZORAM
DIRECTORATE OF GEOLOGY & MINING
MIZORAM : AIZAWL**

Tender No.F.20023/1/2023/NMET/DGM_2025

Dated 5th February, 2025

NOTICE INVITING TENDER - SINGLE TENDER ENQUIRY

The Directorate of Geology and Mining (DGM), Mizoram under the project “Financial assistance from NMET funds to procure machinery/laboratory equipment/instruments etc. aimed at enhancing the exploration activities”, invites sealed tender from **I.R. TECHNOLOGY SERVICES Pvt. Ltd.**, ECO SPACE Business Park, Block No. 4B, 9th Floor, Unit No. – ESNT 4B 0903, Rajarhat Kolkata – 700160, for supply & installation of **DESKTOP WAVELENGTH DISPERSIVE X-RAY FLUORESCENCE SPECTROMETER (WD-XRF) WITH ACCESSORIES**.

I.R. Technology Services Pvt. Ltd. may submit their sealed bids under the Two-Bid system as per Technical Specifications given at Annexure-I and General Terms & Conditions given at Annexure-II. Two covers (Technical Bid and Price Bid) are to be sealed and placed in one large cover quoting Tender Reference Number (Tender No. F.20023/1/2023/NMET/DGM_2025 dated 10/02/2025) and superscribed, “**TENDER FOR SUPPLY & INSTALLATION OF DESKTOP WAVELENGTH DISPERSIVE X-RAY FLUORESCENCE SPECTROMETER WITH ACCESSORIES**”, and submitted to, “The Director, Directorate of Geology and Mining, Mizoram, Aizawl”.

The Technical bid will be evaluated first and the Price bid will be opened in respect of the OEM/Representative, if found technically qualified after evaluation of the Technical bid. The bidder or their representative may also be present at the time of opening of the quotation, if so desired.

Items and other details can be obtained from the Office of the Director, Directorate of Geology and Mining, Mizoram, Aizawl on all working days within office hours.

Crucial dates: -

Bid Publish Date	5 th February 2025, 12:00 p.m.
Bid Submission Start Date	5 th February 2025, 12:00 p.m.
Bid Submission End Date	11 th February 2025, 1:00 p.m.
Opening of Technical Bid	11 th February 2025, 3:00 p.m.
Opening of Price Bid	13 th February 2025, 11:00 a.m.

(R. ZIRTLUANGA)

Director

**Directorate of Geology & Mining,
Mizoram, Aizawl**

*Annexure-I***TECHNICAL SPECIFICATIONS**

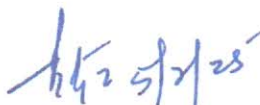
Name of the Item	Specifications	Qty
Desktop Wavelength Dispersive X-Ray Fluorescence Spectrometer system with accessories	<p>PC operated automatic sequential type, high resolution desktop wavelength dispersive X-Ray Fluorescence Spectrometer (WDXRF) for elemental analysis of powder samples like ore, mineral, Granite Powder, Basalt, River sediment, sandstone, shale, silt stone and limestone etc. including liquid samples. The XRF system should consist of air-cooled X-ray source and should be capable of analyzing elements from Oxygen (8) to Uranium (92).</p> <p>The system should incorporate the following technical specifications: - Elemental Range: Elements 8O – 92U, Type of XRF: Sequential-type desktop WD-XRF. X-ray Generator Output Power: Power: 200 Watts or more. X-Ray Tube: Compact air cooled, End window type X-Ray source. X-ray Tube Target Material: Pd with minimum 200watt, Air cooled. X-Ray Tube Voltage: 50kV (min). X-Ray Tube Current: 4mA (min). X-Ray Tube with necessary primary beam filter changer. X-Ray Path: Vacuum for Pressed Pellet and powder and Helium for liquid sample. Crystal Changer: Automatic minimum 3 position Crystal exchanger (1 for Heavy Element, 2 for Light Elements). Analyzing Crystals: For heavy elements: LiF (200) to cover (Ti-U), PET (Al-Ti) and suitable artificial crystal to cover (O-Mg). Detectors: For heavy elements: Scintillation Counter (SC). For light elements: Gas Flow Proportional Counter (F-PC). Measuring Surface Diameter: Measuring diameter: Minimum 44mm in diameter & 33mm height. Sample Changer: Minimum 12 position sample changer with independent sample spinning capability @30rpm. Spectrometer Chamber Atmosphere: Vacuum/Helium selectable as per user's choice. The XRF system should be equipped with a Temperature stabilizer and Protection Function for X-ray high voltage generation abnormal tube voltage, abnormal tube current, discharge detection Data Processing: The PC should be offered with the latest configuration with at least Windows 10 or higher Operating System.</p>	1

	<p>Software Specification and Function:</p> <ul style="list-style-type: none">- Qualitative analysis application--Measuring conditions and data analysis conditions to be used when performing the qualitative and semi-quantitative or standard less analysis using the suitable program are edited and a file is created for each sample type.- Quantitative analysis application--Measuring conditions and quantification conditions for empirical calibration and FP methods to be used in the analysis program are edited, and a file is created for each analysis type. Quant Scatter FP (Standard less) Method to calculate theoretical intensity of scattering lines in the FP calculation for Theoretical alphas for Compton scatter or background ratio method (suitable for heavy element analysis in ore, mineral or rock powder)- Background estimation. <p>The offer should include the following essential items: -</p> <p>Detector Gas: P-10 gas cylinder (2 no's) with one regulator and Helium gas cylinder (1 no) with regulator should be offered.</p> <p>Branded PC with the latest configuration and with laser printer (1 each). Online 5KVA UPS with 30 mins back-up. Set of standard samples (Limestone, Stone Sand, Stone River Sediment, Granite Powder & Basalt).</p> <p>Consumables for liquid sample analysis.</p> <p>Power Requirement: 200–240VAC, (50/60 Hz) 10A, Single Phase.</p>	
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GENERAL TERMS & CONDITIONS

1. The Technical Bid and Price Bid should be submitted in two separate sealed envelopes and placed in one large cover quoting Tender Reference Number on the top of the envelope. The envelope must be sealed and superscripted, "**TENDER FOR SUPPLY & INSTALLATION OF DESKTOP WAVELENGTH DISPERSIVE X-RAY FLUORESCENCE SPECTROMETER WITH ACCESSORIES**", which will be addressed to the **Director, Directorate of Geology and Mining, Mizoram, Aizawl, Luangmual - 796009**, clearly indicating full postal address with contact number of the tenderer/sender. The Bid is to be sent by courier/speed post/hand delivered.
2. The Quotation envelope must contain the following documents kept separately in a sealed envelope clearly indicating the content(s) inside on the outside of the envelope: -
 - (i) **Technical bid** consisting of all technical details along with commercial terms and conditions.
 - (ii) **Price bid** indicating the price for the items mentioned in the Technical bid.
3. Quotation received should attach the Authorization or Distributorship Certificate from concerned Firm/Original Equipment Manufacturer.
4. The quoted rates shall be inclusive of Goods and Services Tax (GST).
5. **Warranty Period is 1 Year** and should be mentioned clearly and the availability of After-Sales-Service facilities during warranty period.
6. The rates will be F.O.R. destination **Directorate of Geology and Mining, Mizoram, Aizawl, Luangmual - 796009**.
7. Tender must be accompanied by copy of the following documents: -
 - (a) Manufacturer (OEM certificate) or Authorization Certificate from OEM.
 - (b) Certificate of Incorporation/Registration Certificate
 - (c) Trade License, PAN and GST Registration Certificate
 - (d) Average Turnover of company for the last three financial years. The bidder shall enclose the CA Certificate.
 - (e) Income Tax returns for the last three financial years.
8. Technical Compliance Statement complying with the Tender specifications along with technical catalogue, literature is to be enclosed.
9. All pages of the tenders should be printed, signed, stamped and dated; handwritten shall not be entertained. In case of overwriting/correction, the tenderer should give an initial with date.
10. **Services:** Response to ensure quality of services, the deputed Engineer from the OEM/Vendor shall have a minimum of 2 years of experience in the relevant field. Service Support detail is to be provided by the tenderer.
11. **Installation and commissioning:** Free of cost at Directorate of Geology and Mining, Mizoram. The supplier must ensure timely installation of Experimental test setup with necessary support to the indenter.

12. **Training:** The supplier is required to provide training free of cost to the designated Purchaser's technical and end user to enable them to effectively operate the total equipment.
13. **Site preparation:** The supplier shall inform the institute about the site preparation, if any, needed for the installation of the equipment immediately after receipt of the Purchase Order. The supplier must provide complete details regarding space and all the other infrastructural requirements needed for the equipment, which the Institute should arrange before the arrival of the equipment to ensure its timely installation and smooth operation thereafter.
14. **Past Performance:** The supplier to provide list of their clients using similar equipments. Copies of last three years' Purchase Order of their satisfactory clients are to be enclosed.
15. **Performance Bank Guarantee (PBG):** A successful tenderer whose tender has been accepted shall submit PBG @ 3% (three percent) of the total order value of the PO. The PBG should be submitted in the form of Demand Draft/Bank Guarantee which will be valid till warranty period of the equipment from any Nationalized Bank or Commercial Bank in favor of the Director, Directorate of Geology and Mining, Mizoram.
16. The delivery period is to be mentioned in the bid.
17. **The Equipment along with detailed specifications to be supplied at the Office of the Director, Directorate of Geology and Mining, Mizoram is indicated in the Annexure-I.**
18. The undersigned shall reserve the right to cancel the bid process and reject the bid.
19. Any supplied material will be checked when the materials arrive at the place of delivery and the supplier will be bound to replace the materials if the materials are found not conforming to specifications.
20. **Payment terms:** 80% Payment will be made only after receipt of materials at site and 20% will be released after successful installation and commissioning to the satisfaction of the Director, Directorate of Geology and Mining, Mizoram or any authority authorized by him.
21. All disputes are subjected to the jurisdiction of the courts in Aizawl.



(R. ZIRTLUANGA)

Director

Directorate of Geology & Mining
Mizoram : Aizawl