



सीएसआईआर-केंद्रीय खनन एवं ईंधन अनुसंधान संस्थान
CSIR-CENTRAL INSTITUTE OF MINING & FUEL RESEARCH
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)

(Council of Scientific & Industrial Research)

बरवा रोड, धनबाद - ८२६ ००१, झारखंड, भारत

Barwa Road, Dhanbad - 826 001, Jharkhand, India



GSTIN No.20AAATC2716R1ZT

E-mail: cospcimfr@cimfr.nic.in / cimfrspo@cimfr.nic.in

Contact Nos.: 0326-2296003 Extn.: 4336/4251/4349

PURCHASE ORDER

File No. CIMFR/PUR-1A(4)2024/59/

Dated: 23.01.2026

From,
Director
CSIR-Central Institute of Mining and Fuel
Research, Barwa Road
Dhanbad- 826001

To,
M/s. AIMIL Ltd.,
A-8, Mohan Cooperative Industrial Estate,
Mathura Road, New Delhi-110 044
Tel.: 011 30810200
E-mail: info@aimil.com

Sub: Award of Contract for Supply and installation of 48-Channel Seismograph.

- Reference:** 1. CSIR-CIMFR Tender No. CIMFR/PUR-1A(4)2024 (Published on CPP Portal with tender ID 2025_CSIR_245573_1 dated 20.08.2025.
2. Your Quotation no E/KOL/AIM/CIMFR-PASI/250-26/101 DATED 06.09.2025, e-mail dated 27.11.2025, 07.01.2026 and other correspondences exchanged with you.

Dear Sir/Madam,

With reference to the bid submitted by you as referred above and after evaluation of bid, it is informed that Competent Authority of CSIR-CIMFR has approved you as the successful bidder for supply and installation of **48-Channel Seismograph**.

Accordingly, you are requested to arrange for supply and installation of the offered item/items as detailed below. As indicated in your offer, the equipment shall be covered by Extended Warranty / AMC. AMC shall be rendered by you and shall be effective from the date of completion of Standard Warranty of the installed equipment.

Ref. : Quotation No. E/KOL/AIM/CIMFR-PASI/250-26/101 DATED 06.09.2025 and consecutive e-mails.			
S.No	Description of the Item	Qty.	Amount (Rs.)
1.	48-Ch (24Ch x 2 units) Seismograph	01 No.	25,08,900.00
2	Seismic Cable, 12 Channels, 12 take-outs with 5m spacing, with NK2721C	04 Nos.	
3	Trigger Geophone	02 Nos.	
4	Shielded Cable for Trigger Geophone (on reel)-100m length with connectors expandable to minimum 250m	01No.	
5	Geophone 10 Hz, vertical with single Clip	50 Nos.	
6	Geophone 4.5 Hz, vertical with single Clip	50 Nos.	
7	Reflexw Software for Refraction & Reflection analysis	01No.	
8	MASW analysis Software for 1D and 2D	01No.	
9	10Kg Hammer and strike plate	01No.	

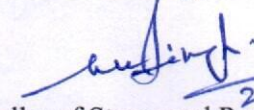
10	Suitable Labtop / Data Processing Unit as per Tender ; Make : HP / Dell	01No.	
Detailed specification as per Annexure - II			
		Total	25,08,900.00
		GST @ 18%	4,51,602.00
Total FOR, CSIR-CIMFR Stores, Price for Equipment			29,60,502.00
Rupees Twenty nine Lakh Sixty thousand Five hundred two Only.			

The Purchase Order shall be governed by the General Condition of Contract (GCC) read with the relevant Special Conditions of Contract (SCC) as stipulated in CSIR-CIMFR Tender Document. The technical specifications and other allied features of the ordered goods and services shall strictly conform to those specified in the CSIR-CIMFR Tender Document. In case, any pre-dispatch inspection has been prescribed in the tender document, the same shall be conducted in the manner laid down in the tender document or as mutually agreed between the Purchaser and Supplier.

You are requested to send us the Order Acknowledgement immediately and in any case within 07 days of receipt of this Purchase Order.

You are also requested to deposit an unconditional performance bank guarantee of **Rs. 1,48,025.00 (Rupees One lakh Forty- eight thousand Twenty-five only)** within 21 days from Scheduled commercial Bank valid till the contract period + 60 days issue of this award of contract in prescribed format / or, Purchaser may ask to submit Performance Security at the time of releasing final payment.

Yours faithfully,


23.01.2026
(Sr. Controller of Stores and Purchase)
For and on behalf of CSIR

Enclosures:

1. Term and condition (Annex-I)
2. NIT Technical specification (Annex-II)

Copy to:

1. Dr. Abhay Kumar Bharti, (Indenting Officer)
2. Sr.CoFA/CoFA/FAO
3. Stores Officer
4. Office Copy

Budget Head: GAP/SERB/DST/132/2023-24

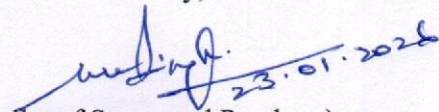
Terms and conditions

1	Price Basis	FOR CSIR-CIMFR, Dhanbad Door Delivery: CSIR-CIMFR, Dhanbad																
2	Delivery Period	Within 10 weeks from the date of Purchase Order																
3	Delivery Site	Stores of CSIR-CIMFR, Barwa Road, Dhanbad-826001																
4	Freight and Insurance	Freight and Insurance of the ordered goods shall be borne by the Supplier covering all risks including SRCC (Inland Transit).																
5	Installation, Commissioning and Training	By the Supplier's engineers within 04 weeks from the date of delivery period stipulated in the Purchase Order. Once installation is completed, 05 days training at CSIR-CIMFR, Dhanbad shall be imparted to the Purchaser's Scientists/Technical Officers etc. for effective operation and maintenance of the equipment.																
6	Installation Pre-requisites	Pre-installation requisites (electrical/floor/space/air-conditioning/water etc.) need to be mentioned clearly. Purchaser shall not be responsible for delays in release of payments on account of non-installation of the item for want of any essential installation prerequisite needed from Supplier's end.																
7	Performance Security	To be submitted within 21 days of issue of this Purchase Order @5% of the order value i.e., Rs. 1,48,025.00 (Rupees One lakh Forty-eight thousand Twenty-five only) valid till the contract period + 60 days from issue of this award of contract in prescribed format / or, Purchaser may ask to submit Performance Security at the time of releasing final payment.																
8	Warranty	On site comprehensive warranty for a period of One year (to be effective from the date of successful installation, commissioning and training of the goods). Two Preventive maintenance visits and breakdown visits as and when required during warranty period.																
9	AMC	On site AMC for a period of 03 years (to be effective from the date of completion of standard warranty) A separate Order will be issued, AMC will be continued just after expiry of after expiry of Standard warranty. Payment will be released on yearly- basis after certification of user scientist. Rates will be as per the amount mentioned below: <table border="1" data-bbox="639 1623 1436 1827"> <thead> <tr> <th>Years</th> <th>Amount (₹)</th> <th>GST (18%) (₹)</th> <th>Total Amount(₹)</th> </tr> </thead> <tbody> <tr> <td>For 1st Year</td> <td>10,000.00</td> <td>1,800.00</td> <td>11,800.00</td> </tr> <tr> <td>For 2nd Year</td> <td>10,000.00</td> <td>1,800.00</td> <td>11,800.00</td> </tr> <tr> <td>For 3rd Year</td> <td>10,000.00</td> <td>1,800.00</td> <td>11,800.00</td> </tr> </tbody> </table> Two Preventive maintenance visits and breakdown visits as and when needed.	Years	Amount (₹)	GST (18%) (₹)	Total Amount(₹)	For 1 st Year	10,000.00	1,800.00	11,800.00	For 2 nd Year	10,000.00	1,800.00	11,800.00	For 3 rd Year	10,000.00	1,800.00	11,800.00
Years	Amount (₹)	GST (18%) (₹)	Total Amount(₹)															
For 1 st Year	10,000.00	1,800.00	11,800.00															
For 2 nd Year	10,000.00	1,800.00	11,800.00															
For 3 rd Year	10,000.00	1,800.00	11,800.00															
10	Payment Terms	100% payment within 30 days after receipt of certificate by user for successful installation, commissioning and training of the ordered goods. Part Supplies shall be avoided. If due to unavoidable reasons part supply is made, payment shall be processed after completion of full supply only.																

11	Taxes	Payable at the rate indicated in the Purchase Order/applicable as per the prevailing rate notified by the Government if item supplied within the delivery schedule only.
12	Liquidated Damages	Except as provided under the Force Majeure clause, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages unless an extension of time is agreed upon without the application of penalty clause. Liquidated damages a sum equivalent to 0.5% for each week of the price of the delayed Goods or unperformed Services of contract value up to a maximum deduction of 10% for delay in supply and for delay in successful installation.
13	Denial clause	Any increase in statutory taxes and/or upward rise in prices or any adverse fluctuation in foreign exchange are to be borne by the Supplier during the extended delivery period, while the purchaser reserves his right to get any benefit of a downward revisions in statutory taxes and foreign exchange rate.
14	Force Majeure	A Force Majeure means extraordinary events or circumstance beyond human control such as an event described as an act of God (like a natural calamity) or events such as a war, strike, riots, crimes (but not including negligence or wrong-doing, predictable/seasonal rain and any other events specifically excluded in the clause). The Supplier has to give notice of FM as soon as it occurs and it cannot be claimed ex-post facto.
15	Termination for Default	The Purchaser may, without prejudice to any other remedy for breach of contract terminate the Contract in whole or part. If the Supplier fails to perform any other obligation(s) under the Contract.
16	Settlement of disputes	Even after every effort both parties failed to resolve their dispute or difference by mutual consultation, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996 and Arbitration & Conciliation (Amendment) Act 2015. The dispute shall be referred to the Delhi International Arbitration Centre (DIAC), Delhi High Court, New Delhi.
17	Place of Jurisdiction	The Place of jurisdiction is Dhanbad, Jharkhand, India.

Note: Contractual obligation as per the Purchase Order will be considered as completed only after Installation commissioning, training, one year standard warranty and 03 year AMC.

Yours faithfully,


(Sr. Controller of Stores and Purchase)
For and on behalf of CSIR

Technical Specification for Portable 48-channel Seismograph:

Sl. No.	Description	Specification
1.	48-channel Seismograph	
	General features	The unit should be completely digital, modular and easy handling for the field measurement
	Number of channels	48 channels (24 channels X 2 units)
	Sampling interval	Minimum 36 micro sec or more user selectable (for all channels)
	Display Type	LCD, Full colour, daylight visible, real time waveform display while testing.
	A/D Conversion	24bits
	Number of samples	25000 samples or more, user-selectable
	System Dynamic Range	140 dB or better
	Delay time	Up to 1 minute
	Pre-Amplifier Gain	48dB or better
	Input Gain	user selectable
	Input Impedance	2MOhm or higher
	Stacking	Upto 900 impacts or more, user selectable
	Total Harmonic Distortion	0.007% or better, so that even a minimum noise/distortion introduced into an audio signal by electronics components or systems can be removed
	GPS	Built-in or external (should be compatible with the system)
	Operating Temperature	0 °C to +55 °C or better range
	Filters	High Pass, Low Pass, Notch Filter
	Electronics	Should be rugged and sealed dust and water resistant.
	Data Format	It should be general like SEG-2, to use any other interpretation and data processing software
	Power supply	5V to 12V DC
	10Hz Geophones Vertical	50 Nos of Geophone with 10 Hz frequency.
	4.5Hz Geophones Vertical	50 Nos of Geophone with 4.5 Hz frequency.
	Seismic cable with suitable winch	It should be 24-takeouts with 5m spacing at each take-outs
	Instruments Carrying case	Rugged carrying case
	Trigger Geophone & Trigger Cable	2 nos. Trigger geophone/sensor and 5 numbers Trigger cable of 50m with connectors expandable to minimum 250 m
	Trigger inputs	Make/break, TTL, analogue/ geophone
	Source	Suitable hammer with hitting plate (high density PVC) for conducting Seismic refraction and MASW
		test
	Battery & Charger	Built-in or external battery chargers for internal batteries and chargers for external batteries. Have facility to remove internal batteries easily.
	Post processing Software	Sophisticated 1D and 2D software for Seismic reflection, refraction and MASW processing, and analysis
	Data Processing unit/ Laptop	Laptop for data processing & interpretation, latest configuration of CPU with at least i5 processor, 16 GB RAM, Windows 11 or higher version, SSD: 512GB SSD; Display size:14"; MS office license and carry bag