

 <b>Government eProcurement System</b>		<b>Government eProcurement System</b> <b>Published Corrigendum Details</b>			
		Date : 28-Oct-2024 07:13 PM			
		 Print			
<b>Organisation Chain :</b>		Council of Scientific and Industrial Research  CIMFR-Dhanbad - CSIR			
<b>Tender ID :</b>		2024_CSIR_210756_1			
<b>Tender Ref No :</b>		CIMFR/PUR-1A(4)2024			
<b>Tender Title :</b>		Supply Installation commissioning Demonstration and Training of 48-Channel Seismograph			
<b>Corrigendum Type :</b>		Technical Bid			
<b>Corrigendum Document Details</b>					
Corr.No.	Corrigendum Title	Corrigendum Description	Published Date	Document Name	Doc Size(in KB)
1	Modified Technical Specification	Modified Technical Specification after Pre-Bid meeting	28-Oct-2024 07:12 PM	channel.pdf 	337.56

**Modified specification after Pre-Bid Meeting**  
**Item: 48-Channel Seismograph** **Qty: 01 Set**

Sl. No.	Description	Specification
1.	<b>48-channel Seismograph</b>	
	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	52dB 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	-20 °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
	Expected delivery Period from date of purchase order	10 weeks
	Expected Installation (From the date of delivery at CSIR- CIMFR, Barwa Road Stores)	4 weeks
	Delivery site	CSIR-CIMFR Specified laboratory, Dhanbad
	Field testing and Training (At site and/or at laboratory)	Minimum 5 days training on Hardware/ field operations and software / data processing should be provided in CSIR-CIMFR, Dhanbad.
	Service center	Vendor should have repairing and maintenance facilities in India
	Users in India & Services	Vendor must submit the copies of minimum five nos. of supply orders within last five years of similar model of the instrument which have been issued by Government organizations/PSU/CSIR labs/government funded academic institutions, along with their Performance certificates.
	OEM Certificate	Original Equipment manufacturer (OEM) should provide a product authority certificate to the Bidder
	Debarred/ black listed agent	The Indian Agent or dealer are not debarred/ black listed for any of their products in last 3 years
	Warranty	3 years from the date of installation.
	AMC	AMC for 3 years after completion of warranty, per year wise price should be quoted. AMC price will be fixed at the time of price bid evaluation
	LQI will be decided on the basis of equipment, accessories, and AMC cost.	