

 Government eProcurement System		Government eProcurement System Published Corrigendum Details			
		Date : 14-Jun-2024 05:13 PM			
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Organisation Chain :		Council of Scientific and Industrial Research CIMFR-Dhanbad - CSIR			
Tender ID :		2024_CSIR_196455_1			
Tender Ref No :		CIMFR/PUR-14(17)2021			
Tender Title :		Supply Installation Commissioning and Training of Hand-Arm Vibration and Whole-Body Vibration Analyzer			
Corrigendum Type :		Technical Bid			
Corrigendum Document Details					
Corr.No.	Corrigendum Title	Corrigendum Description	Published Date	Document Name	Doc Size(in KB)
1	Technical Bid	Modified Technical Specification after Pre-Bid meeting	14-Jun-2024 05:08 PM	Modified.pdf 	359.00

Modified Specification After Pre-Bid meeting

File No. CIMFR/PUR-14(17)2021

Sr. no.	Parameters	Specification
1.	Hand-arm Vibration (HAV) & Whole-body Vibration (WBV) Analyzer	
	A. Data Acquisition System, Qty:02	
	Application	Application: Data Acquisition System will be used for monitoring and recording for Human Vibration Measurement (HAV &WBV) on Mining Equipment.
	No. of channels	16 channels (Should be operatable as either two standalone 8 Channel DAQs or as a combined 16 Channel DAQ).
	Future upgradable	Future upgradable: There should be provision to upgrade the system for more number of channels.
	Operating Temperature	-10°C to +50°C
	Humidity	RH 80 % or more
	Ingress Protection	IP40 or better
	Data interface:	Suitable interface to transfer data from the system to PC/Laptop
	Sampling rate:	Minimum 20Ks/Sec/Channel
	Overvoltage Protection:	±40V or better
	Input Impedance:	1 MΩ or better
	ADC type:	24-bit delta-sigma with anti-aliasing filter
	Dynamic Range	> 130 dB
	Storage:	The system should have its own internal storage to store recorded data (Minimum 120 GB or better)
	Display:	There should be provision to check the real-time data on the display
	Weight	Light weight preferable less than 6.5 kg, compact and suitable for portable operation.
	Software License Type:	Perpetual with free upgrades. Multi-user parallel operation.
	FFT Analysis	Capable to perform FFT analysis
	Battery	Inbuilt chargeable battery with minimum power backup of 3 hours or more
	Carry bag	Carry bag for carrying and handling of instrument at the field
	B. Whole Body Accelerometer (Qty:04)	
	Specifications	
	Measurement Axis	3
	Sensitivity	Within the range of 100 mV/(m/s ²)
	Measurement Range	0.01 m/s ² RMS - 50 m/s ² PEAK

Frequency Response	0.1 Hz - 100 Hz
Shock Limit	100000 m/s ²
Connector	Suitable as per the system
C. Hand-Arm Accelerometer (Qty:04)	
Specifications	
Measurement Axis	3
Frequency Response	1.5 Hz - 4000 Hz
Shock Limit	Within the range of 40000 m/s ²
Connector	Suitable as per the system
Accessories	Flat Mounting Adaptor and Curve Mounting adaptor
D. General Terms & Conditions:	
Warranty	1-year comprehensive warranty for entire system
AMC	2 years AMC after completion of one-year comprehensive warranty for entire system.
Delivery Time	3 months from the date of issue of purchase order
Delivery Location	CSIR-CIMFR, Barwa Road, Dhanbad
Training & Installation time	Within two weeks from the date of delivery of the equipment at CIMFR Dhanbad
Training duration	05 days

Note: Evaluation of bid will be based on the technical specifications and best price including one year comprehensive ^{warranty} and two-year AMC.