



सीएसआईआर - केन्द्रीय काँच एवं सिरामिक अनुसंधान संस्थान

196, राजा एस सी मल्लिक रोड, कोलकाता - 700 032, भारत

CSIR - CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE

196, Raja S C Mullick Road, Kolkata - 700 032, India



### CORRIGENDUM

REFERENCE NO. : - P/NC/94/PD/SO(AK)/OTE/22-23

DATE: 15/11/2022

NAME OF EQUIPMENT: "SUPPLY, INSTALLATION, COMMISSIONING, DEMONSTRATION & TRAINING OF ULTRASONIC PULSE VELOCITY TESTER"

NOTE: The Bids must be submitted in the Central Public Procurement Portal (URL: <https://etenders.gov.in/eprocure/app>) only. Manual/Offline bids shall not be accepted under any circumstances. Bidders should quote in INR only.

CONSEQUENT TO THE PRE-BID MEETING HELD ON 04/11/2022, THE REVISED SPECIFICATION IS GIVEN BELOW:-

Technical Specification of Ultrasonic Pulse Velocity Tester

Equipment	Ultrasonic Pulse Velocity Tester
Description	i. Ultrasonic pulse velocity determination ii. To assess the quality and homogeneity/ uniformity of the sample iii. To detect the location of voids, laminations, cracks or other type of defects iv. Thickness measurement of sample
Sample type	Ceramics, Refractory, Concrete
Sample size	1. 30-160 mm (Length) X 3-40 mm (Height) X 3-40 mm (Width) 2. 12-50 mm (Dia) X 5-50 mm (Height)
Measurement modes	Pulse velocity, Crack depth, Distance, A-Scan, B-Scan, Area Scan with facility of 2D/3D visualization of defects and uniformity measurement with colour coding
Measuring range	0.1 – 7500 $\mu$ s
Bandwidth	20- 500 kHz
Measuring resolution	$\leq$ 0.1 $\mu$ s
Pulse voltage	UPV - 100-425 Vpp, UPE - 100-375 Vpp
Transducers	Suitable transducers to carry out the stated measurements in the test samples with given sample size
Computer interface and Software	1. USB interface with computer, 2. Suitable software for data export, collection and analysis
Computer	Compatible laptop computer (Minimum Configuration : Intel core i7 10 <sup>th</sup> Gen, 8 GB/512 SSD/ Windows 10) for data analysis
Calibration	Calibration standard with traceability
Complete with all necessary components to perform the analysis	Accessory Cable, Adapter Cable, power supply, USB Cable, Software, operation manual
Qualification criteria	Reference list of users of this or similar equipment supplied by the company. Vendors should have at least 2 to 3 numbers active installations of Ultrasonic Tester in Govt, CSIR Labs, NITs, IITs, IISER, IEST or reputed Industrial Lab.
Installation and Commissioning	Shall be provided by the Supplier/Manufacturer at buyers site
Training	Shall be provided by the Supplier/Manufacturer at buyers site for at least 2 days
Warranty Period	1 year from the date of successful installation, commissioning and training

Deadline for Submission of Bid and Opening of Bid is remain unchanged as given in CGCRI Tender No. P/NC/94/PD/SO(AK)/OTE/22-23 dated 21/10/2022 which is as follows:-

Bid Submission End Date & Time	<b>08/12/2022 upto 06.00 PM(IST)</b>
Bid Opening Date & Time	<b>12/12/2022 upto 11.00 AM(IST)</b>

The above amendments shall amount to amendments of the relevant terms of our Bid Document for CGCRI Tender No. **P/NC/94/PD/SO(AK)/OTE/22-23 dated 21/10/2022.**

All other Tender terms and conditions remain unchanged.

Bidders should quote only in **INR**. Bidding is open to only Class I /Class II Local Bidders.

*24/11/2022*  
*15.11.2022*

(A.K.Pandey)  
Stores & Purchase Officer  
FOR & ON BEHALF OF CSIR

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