

Central Glass & Ceramic Research Institute
KOLKATA (WEST BENGAL) INDIA
CORRIGENDUM

REFERENCE NO. : - P/NC/98/AA(NARODA)/SA/OTE/23-24

DATE: 29/08/2024

NAME OF EQUIPMENT: SUPPLY,INSTALLATION, COMMISSIONING, DEMONSTRATION (INCLUDING TRAINING)
OF "VIBRATORY DISC MILL ALONG WITH ACCESSORIES" [CPP PORTAL TENDER ID 2024_CSIR_202997_1].

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.

CONSEQUENT TO THE PRE-BID MEETING HELD ON 05/08/2024, THE REVISED TECHNICAL SPECIFICATIONS AND OTHER ALLIED REQUIREMENTS ARE GIVEN IN THE ATTACHMENT:-

Further ,the following changes are also made in bid submission and opening dates.

Bid Submission End Date & Time	12/09/2024 up to 3.30 PM (IST)
Bid Opening Date & Time	13/09/2024 at 3.30 PM(IST)

All other Tender terms and conditions remain unchanged.


Stores & Purchase Officer

भण्डार एवं क्रय अधिकारी / Stores & Purchase Officer
सीएसआईआर - केन्द्रीय काँच एवं सिरेमिक अनुसंधान संस्थान
CSIR - CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE
196, राजा एस. सी. मल्लिक रोड / 196, Raja S. C. Mullick Road
कोलकाता / Kolkata-700 032

**DETAILED SPECIFICATIONS FOR VIBRATORY DISC MILL MODIFIED AFTER PRE-BID MEETING ON
5.08.2024**

The Vibratory Disc Mill should be suitable for the extremely quick, loss-free and reproducible grinding of medium-hard, hard, brittle and fibrous materials to analytical fineness. The instrument should run steadily and smoothly, even with heavy grinding sets, at maximum speed with circular horizontal vibrations.

Applications	Size reduction for chemical/spectral analysis, melting studies, specific gravity sample preparation.
Field of application	recycling, geology, glass, ceramics
Feed material	hard, brittle (e.g. Granite, Quartz etc. Mohs hardness in between 6-7 Mohs) and fibrous materials.
Size reduction principle	pressure, friction
Material feed size	Min.10 mm or more
Final particle size	D90 < 75 µm
Batch size / feed quantity	Approx.30-80 ml
Speed at 50 Hz	≤ 700 - 1,500 rpm, continuously adjustable
Setting of grinding time	digital, 00:01 to 60:00 (Min: Sec) or more
Grinding Jar volume	100 ml – 1No. Option for Jar Sizes of 50/100 ml of different materials of construction (Stainless Steel, Agate, Tungsten Carbide, Steel 1.1740) should be available for future requirements.
Material of Composition of Grinding Set comprising grinding jar and disc	<ul style="list-style-type: none"> • Grinding set should be made of (MoC) Yttrium Partially Stabilized Zirconium Oxide (Hardness 1250 HV and Density of ~6.00 g/cm³) • The Certificate of Material of Construction along with Weight and Material of Construction along with the details of the chemical composition should be provided along with the technical quote. • The jar should have a protective jacket made of (MoC) stainless steel. • Material of Composition (MoC) for other grinding set (Stainless Steel, Agate, Tungsten Carbide, Steel 1.1740) should be available for future requirements.
Grinding time	≤ 300 seconds to achieve particle size of D90 < 75 µm
General Conditions	<ul style="list-style-type: none"> • Easy 1-button operation and optimized menu structure and 10 SOPs storable capability. • Automatic recognition of grinding set and selection of rpm accordingly for protection of grinding set. • There should be no sample loss during grinding and should have the O-ring to seal. • Suitable handle and design for easy handling of the grinding set. • Quick action grinding set clamping system for convenient and safe tightening of the grinding sets. • The grinding chamber should be noise-insulated. • Machine should have wheel to move from one place to other place with suitable Protection Code. • Minimum 3 Installation should be there in India for the same quoted model of the Instrument in last 5 years.

	<ul style="list-style-type: none"> • Vendor has to submit Copy of Installation report from minimum 3 Customer for the quoted model and list of customers along with contact details. • Vendor must provide Printed Catalogue and Web Link of the Product along with detailed product accessories with the tendered specifications.
Warranty	<ul style="list-style-type: none"> • Comprehensive warranty for the system should be for 2 years.

For inclusion under Acceptance test (page No.75 of tender- 4.5.5) vendor will be provided granite sample of desired feed size and powder sample obtained will be verified for d90 using Particle Size Analyser.


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