

CORRIGENDUM

The following amendments are hereby made to the Technical Specifications of the bid document pertaining to Short Tender Notice No. **04/2026-27** for the supply and installation of a “**High-Energy Ball Mill**,” published vide PR No. 391622 dated 12.10.2026, in consideration of the queries and representations received from various applicants.

Parameter	Specification
Applications	- The ball mill must be suitable for grinding, mixing, homogenization, and alloying applications. - It must be suitable for use with hard, medium hardness, brittle, fibrous, and viscous materials. - It must be suitable for use in varied fields such as geology (rock, ore and mineral samples), mining and metallurgy.
Grinding Modes	It should support both dry and wet grinding modes.
Display	Colour touchscreen display
Speed	It must have speed of the 20 to 900 rpm for the grinding jars.
Sun wheel	- Diameter- 340 mm. - Thickness- 55 mm or higher. - Maximum RPM- 400 rpm
Speed Ratio	The speed ratio between sun wheel to grinding jar: 1:2.
Grinding time range	00:01:00 to 99:59:59.
Operations	- It should be able to operate in clockwise, counter clockwise and pause modes with time setting up to 99:59:59. - It must be equipped with a physical emergency stop button for operator safety. - It must be equipped with safety cut-off function when the instrument lid is opened during operation. - It must automatically restart after a power failure, i.e., the programme must resume upon power restoration. - It should operate with any one jar along with counter weight system. - It should have provision to update to use with 4 positions also.
Grinding jar volumes	50 ml, 100 ml, 250ml, 500 ml, and 1000 ml.
Grinding bowls	The grinding bowls of the above given volumes must be made of tungsten carbide (Minimum Hardness: 8.5 Mohs)
Power supply	It must operate on single-phase power supply of 230V, 50Hz.
Net weight	130 kg or less.
Sample Capacity	0.2 – 25 grams (dry, brittle samples) or up to 25 mL per clamp
Clamp Type	Single clamp, supports multiple sample processing for high throughput
Motion Type	Complex figure-8 motion combining back-and-forth swings with short lateral movements

Clamp Travel	2.25 inches (back-and-forth), 1 inch (side-to-side)
Feed/Input Size	Less than 10 mm
Product Size	Less than 100 microns
Timer	Programmable electronic timer with minimum 100-minute range
Cooling System	Forced-air cooling
Motor	1/3 hp, 1425 RPM @ 50 Hz, shock-mounted for benchtop operation
Housing	Steel housing, rugged construction
Grinding Ball material	• Tungsten carbide (Tungsten carbide lining will not be accepted). • Tungsten Carbide Grinding Jars: 4 Nos. of 50 ml and 100 ml capacity jars.
Grinding Media	1 kg packet each of 1 mm, 2 mm, and 5 mm diameter tungsten carbide balls.

Note: The remaining terms and conditions of the bid published vide PR No. 391622, dated-12.10.2026 (NIT no. 04/2026-27), shall remain unchanged.