

**Technical Specifications of  
“FIXED SPEED SPECTRO SAMPLE POLISHING MACHINE WITH SUCTION”  
to part no. RD366GVM0174**

**Location:** Materials Science Laboratory, R & D

**Qty:** 1 no.

Sl. No.	Parameters	Requirement	Firm's confirmation (Yes/No)	Remarks
<b>Technical specifications: Mandatory</b>				
1	OEM/Authorisation Letter	Fixed Speed Spectro Sample Polishing machine with Suction to be supplied by either OEM or authorised dealers. In case of participation by authorised dealers, they should furnish latest authorization letter from their Principals.		
2	Machine construction	Floor Model / standalone unit with heavy duty frame (disc housing) made up of steel or cast iron		
3	Disc Motor	Power: 2 HP, 50Hz, 415±10% V, 3 phase AC Supply.  Speed: 2800 rpm minimum		
4	Suction / Vacuum Motor	Power: 1 HP, 50Hz, 415±10% V, 3 phase AC Supply.  Speed: 2800 rpm minimum		
5	Disc Plate	a. Made of steel with air suction holes for holding the polishing disc and with locking system to keep the polishing disc in position. b. The rotating disc is dynamically balanced and mounted directly on the motor shaft. c. Disc rotation brake system for immediate stopping. d. Diameter : 350 + 5 mm e. Bore : 40mm		

Technical specifications: General			
1	Disc Cover	To cover the disc plate by 270 degrees	
2	Starter	Push button D.O.L starter type with overload preventer	
3	Arrangement of Dust Collecting Unit and blower casing	At the back of the disc housing, the pipeline is connected to the unit for collecting the dust. The blower casing and the dust collector are integral with the main body.	
4	Quality of paint to be applied on the machine	Anti-fungal, rust proof paint	
5	Accessories	Magnetic sample holder for holding miniature specimen to be supplied, Qty. 01 No.	
General terms and conditions:			
1	Warranty period	Minimum one year from the date of installation and commissioning.	
2	Manuals	One set of operation and service manuals to be provided along with the machine.	
3	Offer validity	Validity of the offer should be kept for 90 days from the date of opening of technical bid.	
4	Firm has to submit the Technical bid and commercial bid in separate sealed covers as follows: <b>a) TECHNICAL BID</b> : containing only technical details of the equipment with catalogue and commercial points without price details. <b>b) COMMERCIAL BID</b> : containing technical & commercial details along with price		
5	MSME Firms should enclose MSME Certificate & Payment will be as per MSME act.		
6	BEML Limited standard payment terms is 60 days credit		
7	Delivery terms should be FOR BEML Limited, KGF.		