



BHARAT HEAVY ELECTRICALS LIMITED

Heavy Power Equipment Plant, Ramachandrapuram,

Hyderabad - 502 032. INDIA.

Phones :

Purchase Dept. : Fax:

E-mail :

Indent No. :

Date :

Enquiry No. :

DueDate :

Vendor Qtn. No.:

Date:

TENDER DOCUMENTS TO BE FILLED BY THE Vendor FOR SUPPLY OF[1 No.]

Portable Grinding & Polishing Machine

ADDRESS OF THE Vendor :		ADDRESS OF THE INDIAN AGENTS:	
TELEPHONE NOS.:		TELEPHONE NOS.:	
FAX NOS.:		FAX NOS.:	
E-MAIL ADDRESS :		E-MAIL ADDRESS:	
NOTE:			
1. Vendor shall submit complete information against each clause of the specification given below point by point.			
2. The Vendor should fill the "Offered" Column in compliance to specified requirements and also "Deviations" column, where there is deviation from the requirement. Duly filled specification cum compliance certificate should be submitted along with the bid. Inadequate, incomplete, ambiguous or unsustainable information against any of the clauses of the specifications/requirements shall be treated as non-compliance			
3. The offer and all the documents enclosed with bid should be in English language only.			
4. The main equipment and accessories required for the machine to be offered.			
Sl.No.	Description for BHEL Requirement	Offered	Deviations
	Purpose: For In-Situ Metallography sample preparation		
1	Design:		
1.1	It should be compact & portable, built for rugged use in the field on battery or mains supply.		
1.2	It should work in all Indian climatic conditions at site.		
1.3	It should have Combined Control unit / storage Compartment, which enables storage of accessories and consumables.		

Sl.No.	Description for BHEL Requirement	Offered	Deviations	Remarks
1.4	The control unit should include the power supply, speed regulator unit, (optional)LED Indicator for battery status & Exchangeable as well as rechargeable lithium battery pack(optional).			
1.5	All necessary accessories / tools should be included			
1.5.1	Reduction gear unit facility			
1.5.2	Straight handle			
1.5.3	Right angle handle			
1.5.4	Shoulder strap			
1.5.5	30mm dia. 3 rubber discs (min)			
1.5.6	Associated tools : Tool kit with list of items.			
1.6	The grinding/polishing handle should be connected to the control unit with flexible 3 meter electric cable and it should have a small DC motor inbuilt with a suitable holder with an easily exchangeable rubber disc to which the grinding paper and polishing cloth are attached.			
1.7	Two types of handles Straight & Right angle should be provided to facilitate polishing in intricate areas and straight handle for using the flapper wheel.			
2	Technical specifications:			
2.1	Speed range : (0,1500) minimum to 29,000 rpm			
2.2	Power Supply Options:30V DC/ 100-240 V, 50/60 Hz			
2.3	AcceptableDimensions (in mm) : (80-350) X (150- 210) X(220- 250)mm			
2.4	Noise level shall be less than 80 db.			
2.5	Light weight controller with one connector/two connectors(i.e. with optional) for grinding/polishing handpiece.			
3	Weight: Total weight incl. accessories should not be more than 15 Kgs.			
4	The Vendor shall furnish technical catalogue of the proposed equipment alongwith quotation and customers reference in India for the above equipment.			
5	Two sets of operating instruction manuals/schematic drawing shall be sent alongwith civil foundation plan.			

Sl.No.	Description for BHEL Requirement	Offered	Deviations	Remarks
6	BHEL engineers will inspect above equipment prior to shipment at Vendor 's works. It is the responsibility of the Vendor to prove all conditions of specification by providing required samples & tools at Vendor works. Sufficient advance inspection call to be given to BHEL and shall make necessary arrangements for the pre-despatch inspection, However BHEL will bear expenditure of travelling, boarding & loading of the BHEL inspector.			
7	INSTALLATION			
7.1	Vendor to take full responsibility for carrying out the startup, testing of the system, its control & all types of other supplied equipment/accessories etc. Other requirement like helping manpower shall be provided by BHEL.			
7.2	Vendor shall install the above machine at BHEL Hyderabad. Suitable training on all operational aspects and routine maintenance to be given by Vendor to BHEL engineers.			
8	GUARANTEE			
8.1	The machine shall be guaranteed for satisfactorily and trouble free service for at least 24 months from the date of commissioning and final acceptance. Any spare required during the guarantee period shall have to be arranged by the Vendor at free of cost.			
9	QUALIFICATION REQUIREMENTS:			
9.1	The Vendor should have supplied at least 2 equipment's of the model quoted to various reputed organisations preferably in India.			
9.2	The Vendor shall submit a Reference List of Customers for the model quoted including the names of the user contact persons, telephone numbers and e mail addresses.			
9.3	Performance Certificate from CUSTOMERS (minimum 1 Customer) with full contact details of CONTACT PERSON shall be submitted preferably in India.			
10	PACKING			
10.1	Rigid packing to be made for all items of complete machine, all accessories and other supplied items to avoid any damage/loss in transit. When machine is dispatched in containers, all small loose items shall be suitably packed in boxes. Packing list to be provided in the box			