

BHARAT HEAVY ELECTRICALS LIMITED

UNIT: JHANSI

(WORK. ENGG. & SERVICES DEPTT.)

EQUIPMENT

Linishing Machine (Platen Belt Grinding Machine)

LOCATION

Transformer Manufacturing (Insulation Shop)

QUANTITY

2 Nos

ITEM NO

MT-1/5/1435,1436

SPECIFICATION

6069/REV-06

Sl	Description	Specified	Offered	Deviation
1	General Description of machine			
1.1	The linishing or abrasive band grinding machine, to be provided with an arrangement for altering the lateral position of the band on the table whilst the machine is running, and easy means of adjusting the tension on the band to take up stretch. The design should provide for bands to be changed easily and quickly without the use of tools. An adjustable side fence and a graduated inclinable cross rest to be fitted to the table. The machine to be supplied complete with driving motor mounted in the cabinet. This shall also incorporate arrangement of exhaust hoods to enable the dust to be carried to centralised dust extraction unit. Machine should be fitted with separate dust collector complete with electric motor, dust drawn filters, shaker and mechanical noise suppressor, connecting flexible pipe with starter & heavy duty platen with top plate replaceable with starter. The band carrying pulley shafts should be of adequate diameter and these should run on ball-bearings. Suitable arrangements to be provided for lubrication of these bearing. All components used i.e. 'V' Belt. Pulley etc should be of standard sizes. Machine should be suitable for operation at 415V, 3P-phase, 50Hz AC supply.	Vendor to confirm and submit		
2	SPECIFICATION:-			
2.1	Band /Belt size - 1500 mm x 200 mm (Approx)	Vendor to specify		
2.2	Belt speed - 12 m/s, 15 m/s, 18 m/s and 24 m/s (Approx) in four steps	Vendor to specify		
2.3	Platen size - 450 mm x 250 mm (Approx)	Vendor to specify		
2.4	Working Height - 1000 mm ± 200 (Approx)	Vendor to specify		
2.5	Band pulley size - Suitable	Vendor to confirm		
2.6	Machine Motor power- 2 HP (Min.)	Vendor to specify		
2.7	Dust collector Motor power- 3 HP (min)	Vendor to specify		
3	MANDATORY DOCUMENTS REQUIRED TO BE SUBMITTED WITH THE OFFER-			
	1. Dimensioned outline general arrangement drawing	Vendor to submit		
	2. Details of safety devices / guards provided.	Vendor to submit		

Sl	Description	Specified	Offered	Deviation
	3. Total electrical load.	Vendor to submit		
	4. Quotation with item wise prices of spares for 2 years normal working.	Vendor to submit		
	5. Details of standard & optional accessories offered.	Vendor to submit		
	6. Catalogues / leaflets of machine offered	Vendor to submit		
	7. Make & details of the Bought out items as following-			
	a) Motor- Siemens/Alstom /ABB/Crompton / Bharat Bijlee/KEC make	Vendor to confirm		
	b) Gear - Greaves/Redicon / Shanti /Allen burry make	Vendor to confirm		
	c) Bearing- INA/FAG/SKF	Vendor to confirm		
	4. GENERAL CONDITIONS-			
	4.1 All standard accessories should be supplied with machine without extra cost.	Vendor to confirm		
	4.2 The machine should be painted with one coat of red oxide primer & two coats of finishing paint before dispatch. Colour of the finishing paint should be verdigris Green to IS 5/1961.	Vendor to confirm		
	4.3 Three sets of O & M manuals and tool kit are to be supplied with machine.	Vendor to confirm		
	4.4 Machine will be inspected & tried by our engineer prior to dispatch. All civil work shall be done by BHEL based on foundation drawing to be submitted by supplier within 1 week time from LOI.	Vendor to confirm		
	4.5 Supplier has to submit offer for erection and commissioning of machine separately	Vendor to offer		
	5. COMPANY PROFILE:			
	Vendor to submit following information -			
	1) Experience in manufacturing(in case of trader for its principal) similar machines.	Vendor to submit		
	2) List of supplies in last 3 years alongwith model no. , contact person and contact details.	Vendor to submit		

 Gajadhar Mgr. (TRM)	 Arjun Singh Mgr. (WE&S)
 S.J. Chakraborty Sr. DGM (WE&S)	 N Raman DGM(TRM)

Rev06- 1) Name of machine Changed. Changes in band speed , dust collector motor power also done.