

**BHARAT HEAVY ELECTRICALS LIMITED**  
**UNIT: JHANSI**  
**(WORK. ENGG. & SERVICES DEPTT.)**

**EQUIPMENT** : **CNC AXLE GRINDING MACHINE**  
**ITEM NO** : **MT-3/3/1442**  
**LOCATION** : **LOCOMOTIVE**  
**QUANTITY** : **1 NO.**  
**SPECIFICATION** : **6199**

**TECHNICAL SPECIFICATION** :- CNC AXLE GRINDING MACHINE with standard accessories as per following technical specifications is required.

- (1) M/c should be suitable for grinding operation for AXLE (workpiece) having minimum length from 1000 mm to maximum 4000 mm & dia from minimum 50 mm to max 300 mm.
- (2) Size of grinding wheel-762 mm(dia)x76x305 hole( 26'x 3'x 12'hole)
- (3) Wheel head motor speed -960 rpm
- (4) Speed range-07 to 600 rpm
- (5) Grinding finish required- 0.4 microns
- (6) Accuracy of M/c -0.5 microns
- (7) Taperness of M/c- 0.005 mm in 100 mm length.
- (8) Machine should have portable manual inching system.
- (9) Machine should be suitable for power supply- 415 volt,50Hz, 3-phase, AC
- (10) All standard accessories should be supplied with the machine as a part of machine at no extra cost

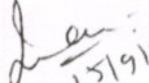
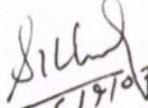
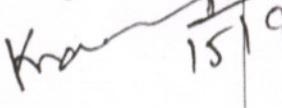
**Following to be submitted with the offer:**

1. Dimensioned outline general arrangement drawing
2. Details of safety devices / guards provided.
3. Electrical schematic diagram.
4. Total electrical load.
5. Quotation with item wise prices of spares for **2 years** normal working.
6. Details of standard & optional accessories offered.
7. Catalogues / leaflets of machine offered

**QUALIFYING CONDITIONS**

Only those vender, who have supplied and commissioned **2 Nos.** such machines in the past ten years and such machine is presently working satisfactorily for more than one year (more than six month if supplied to BHEL) after commissioning should quote. The following information is to be submitted by the vender about the companies where similar machines have been supplied. This is required from all vendors for qualifications of their offers.

1. Name of the customer/ company where similar machine/ crane is installed
2. Complete postal address of the customer
3. Year of commissioning
4. Name and designation of the contact person of the customer
5. Phone , Fax No. and e-mail address of the contact person of the customer
6. Performance certificate from the customer regarding satisfactory performance of the machine/ crane supplied to them

Date	Prepared By	Checked By	Approved By	
	Dy. Mgr (WEX)	Mgr.(WEX)	DGM.(WEX)	Sr. Mgr (LMM)
15/9/07		 15/9/07	 15/9/07	 15/9