



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

**Bharat Heavy Electricals Limited**  
इलेक्ट्रिक & फोटोवोल्टाइक डिवीज़न  
Electric and Photovoltaic Division

बेंगलूरु / Bengaluru  
Works Engineering  
Department

Ref: EP/WEX/MM/VL6/BrgHsg

Date: 23.11.2019

**TENDER PART A –TECHNICAL BID**

**Name of Work: Servicing of Bearing Housing of Vertical lathe No. 6**

Brief Description: Vertical lathe no. 6 is used for turning of ceramic hollow insulators. The ceramic blanks in green stage are vertically placed, fixed with the chuck and then turned by CNC operation. Chuck unit has a bearing housing with dimension approximate 450 MM X OD 750 MM X HEIGHT 500 MM- with 2 large deep groove ball bearings. The bearings, after 30 years of use has now damaged and need replacement. The work being a precise job, both bearing supply and installation is the scope of vendor. Details are mentioned below :

SI No	Parameters	Requirement of BHEL	Reply of Bidder
1	SCOPE OF WORK	1) Machine Dismantling and cleaning 2) Removing old bearings and cleaning 3) Inner inspection and inspection of housing 4) 0.5 metal removing and cylindrical grinding 5) 0.5 metal removing from inner and outer housing 6) Housing outer and inner 0.8 metal coating 7) Cylindrical grinding finishing 8) assembly of new bearings 2nos supply (bearing no. 618/500 TN9) make NKE or SKF 9) End cap maintaining size and fixing 10) Belt pulley assembly 11) Smooth running of the bearing housing will be checked by BHEL at vendor's work before dispatch clearance 12) Installation and commissioning at BHEL	
2	INSTALLATION AND TRIAL RUN	Scope of vendor	
3	WORK COMPLETION TIME	45 Days from the date of issue of work order	

4	PAYMENT TERMS	45 days from the date of successful completion of work vide NEFT	
5	SECURITY DEPOSIT	Security deposit at the rate of 5% of the work order value to be deposited once order is placed	
6	WARRANTY	6 Months from the date of work completion	
7	LD/ PENALTY	In case of work completion delay on account of vendor, penalty will be levied @ 0.5% per week subject to maximum 10% of the work order value	
8	PRE QUALIFICATION CRITERIA	Vendor should be competent in the field of bearing assembly, servicing of rotating parts. Company profile should be submitted for assessment.	
		Vendor must visit BHEL EPD works to understand detailed scope of work before quoting, the machine being a tailor made one. Any quotation without prior visit will not be considered	

Signature and seal of competent authority of the bidder