

<u>BHARAT HEAVY ELECTRICAL LIMITED RAMACHANDRAPURAM</u>			Enquiry No. :		
HYDERABAD 502 032			Due Date :		
UNIT'S PHONE NOS.+91 040 23182250, 23020173			Supplier Qtn. No.:		
CONTACT PERSON'S NAME/DESIGN./PHONE NO./E-MAIL (FROM PURCHASE DEP'T DGM/ Pur-CG			Date :		
SPECIFICATION CUM COMPLIANCE CERTIFICATE FOR PORTABLE SHAFT CENTER DRILLING MACHINE (1 NO.)					
NOTE;					
1. Vendor must submit complete information against clause nos. 13.0 The offer meeting this clause would only be processed.					
2. 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 documents enclosed with offer should be in English language only					
ADDRESS OF THE SUPPLIER :					
TELEPHONE NOS.:				TELEPHONE NOS.:	
FAX NOS.:				FAX NOS.:	
E-MAIL ADDRESS :				E-MAIL ADDRESS :	
SNo.	Description for BHEL Requirement	REQUIRED	OFFERED	DEVIATIONS	REMARKS
1.0	PURPOSE:				
1.1	Shaft Center Drilling Machine is required to perform Center drills on the end faces of the various shafts of Pumps. This machine has to be of portable type.	Vendor to note.			
1.2	Hardness of the shaft material is 220 to 280 BHN.	Vendor to note.			
2.0	MAIN PARAMETERS:				
2.1	Chuck should be suitable for clamping Shafts of Dia 80mm to 320mm.	Vendor to confirm			
2.2	Centre drill shank	32mm			
2.3	Power Input	Vendor to specify			

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2.4	Tool Stroke	Vendor to specify			
3.0	WORKING CONDITIONS :				
3.1	Center Drilling machine should work trouble free and efficiently under following operating conditions. Input Power Supply: Voltage : 440 V $\pm$ 10% Frequency : 50 Hz $\pm$ 5% No. of phases =1	Vendor to confirm			
4.0	ELECTRICAL :				
4.1	Motors shall conform to IEC or Indian Standards	Specify the standard			
5.0	SAFETY ARRANGEMENTS:				
5.1	Equipment should have adequate and reliable safety interlocks / devices to avoid damage to the machine, work piece and the operator during operation.	Specify			
6.0	ENVIRONMENTAL PERFORMANCE OF THE MACHINE :				
6.1	Maximum noise level shall be 85 dB at normal load condition, 1 meter away from the machine with correction factor for back ground noise, if necessary. This will be measured as per international standards like DIN 45635-16. Supplier to demonstrate compliance to noise level, if so required.	Vendor to specify			
7.0	INSPECTION: BHEL Engineers will inspect the equipment at vendor's works. The vendor shall demonstrate the equipment for its proper functioning. Test piece of Hardness 280BHN will be drilled to assess the machine's performance. Test piece to be arranged by supplier.	Vendor to confirm			
8.0	GUARANTEE: As per BHEL terms and conditions.	Vendor to confirm			

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9.0	QUOTATION: Along with technical offer, the vendor to submit point to point answers to our specification with all relevant / supporting data.	Vendor to provide			
10.0	GENERAL :				
10.1	Total weight of the machine	Specify			
10.2	Technical Catalogue to be furnished. It shall be with complete technical information about the machine and its Parts. Vendor to list all the bought out items used in the machine mentioning the Make and Model No.s.	Vendor to Furnish			
11.0	Erection and commissioning and prove out by vendor at BHEL works	Vendor to confirm			
11.1	Performance of the machine will be checked by Center Drilling of Two Shafts each with diameters 80mm, 190mm and 300mm	Vendor to confirm			
12.0	Vendor to quote spares for 2 years trouble free operation.	Vendor to submit un-priced spare list			
13.0	REFERENCE LIST / QUALIFYING CONDITIONS:				
13.1	Only those vendors, who have supplied and commissioned atleast one machine for similar applications in the past ten years should quote and it should be working satisfactorily for 2 years after commissioning. The following information should be submitted by the vendor about the companies where Center drilling machines have been supplied. This is required from all the vendors for qualification of their offer.	Vendor to furnish			
13.2	Name of the customer / company where similar machine is installed.	Vendor to furnish			
13.3	Complete postal address of the customer.	Vendor to furnish			

SNo.	Description for BHEL Requirement	REQUIRED	OFFERED	DEVIATIONS	REMARKS
13.4	Year of commissioning.	Vendor to furnish			
13.5	Phone, FAX no. and email address of the contact person of the customer.	Vendor to furnish			
13.6	Copy of PO or Performance certificate from customer for similar or higher capacity equipment	Vendor to furnish			
14.0	TRAINING : for BHEL personnel at BHEL works after commissioning	Vendor to confirm			
15.0	DELIVERY in months:	3 months.			
16.0	DOCUMENTS : 5 Sets of operating and maintenance manuals in English for complete system with electrical, electronics and general arrangement drawings shall be furnished along with the equipment.	Vendor to furnish			