



BHARAT HEAVY ELECTRICAL LIMITED-BHOPAL

EXPRESSION OF INTEREST FOR STEADY REST

ANNEXURE-1

REF : TEX/Steady Rest /2022/01

NOTE:-

1. Vendor must submit complete information against clause no. 7 (Qualifying condition). The offer meeting this clause would only be processed

2. The vendor(OEM) 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 offer. 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.

NAME & ADDRESS OF THE SUPPLIER :

TELEPHONE NOS.:

FAX NOS.:

E-MAIL ADDRESS :

SCOPE: EXPRESSION OF INTEREST FOR STEADY REST AS PER BELOW REQUIREMENT :

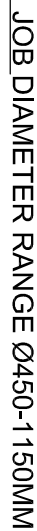
S No.	DESCRIPTION FOR BHEL REQUIREMENT	REQUIRED	Deviation	REMARKS
1	PURPOSE			
1.1	The manually operated 3 point open type steady rest. It will have two pad and one auxillary bottom pad steady support is required to support jobs while machining jobs on SAFOP lathe at Block-2 Bay 7 , BHEL Bhopal	Vendor to confirm		
2	SPECIFICATIONS (MINIMUM REQUIREMENT)			
2.1	Steady Rest			
2.1.1	Job diameter 450 mm to 1150 mm	Vendor to confirm		
2.1.2	Maximum steady rest capacity, at pad : For 80 Ton job on Safop Lathe machine, load share between chuck and steady rest . Job having eccentric weight as per drawing 32540112701 . eccentric weight can be on both side (chuck or steady rest) .	Vendor to confirm		
2.1.3	Main Pad size : minimum 300 mm ² , Sub pad on the main pad with white metal thickness 30 mm (min) on sub pad	Vendor to confirm		
2.1.4	Deatchable Babbit Pad for 3 support on the sub pad .	Vendor to confirm		
2.1.5	Arm width minimum 400 mm	Vendor to confirm		
2.1.6	Steady Rest Thickness Minimum 230 mm			
2.1.7	Centre Height 1570 mm	Vendor to confirm		

2.1.8	Deflection allow in full loading 0.02 mm	Vendor to specify		
2.1.9	Base of steady should match to saddle/platform of SAFOP meant for steady rest. Drawing of base as 1SP15014230	Vendor to confirm		
2.1.10	Schematic Drwaing of Steady Rest as per Drawing 1SP15014230	Vendor to note		
2.4	PAD			
2.4.1	Main Pad size : 300 mm ² , Sub pad on the main pad with white metal thickness 30 mm (min) on sub pad	Vendor to confirm		
2.4.2	Deatchable Babbit Pad for 3 support on the sub pad .	Vendor to confirm		
2.4.3	Coarse measurement (scale) of movement of each pad	Vendor to confirm		
2.4.4	Machine-able thickness on pad 10 mm (min)	Vendor to confirm		
2.4.5	Pads to keep temperature <200 deg C @ 50 deg C ambient	Vendor to specify		
3	VENDOR SCOPE			
3.1	Tonnage testing process	Vendor to specify		
3.2	General arrangement dwg	Vendor to specify		
3.3	Method of Heat Extraction from Pad (Pads to keep temperature <200 deg C @ 50 deg C ambient)	Vendor to specify		
4	PROVE OUT OF THE STEADY AND ACCEPTANCE OF ITEM			
4.1	Vendor shall be fully responsible to prove out the steady on actual component/job at BHEL and also as per clause 3.1. Vendor should also prove steady capability . Runout of jobs on steady to be less than 0.02 mm.	Vendor to confirm		
7	QUALIFYING CONDITIONS :			
7.1	The supplier/ vendor should be either an Original Equipment Manufacturer (OEM) or an authorized Dealer of the OEM for the offered item. Along with the offer, dealers have to submit a valid certificate of Authorization from OEM for quoting the item. Vendor should submit proof of the same	Vendor to confirm		
7.2	The OEM or the authorized dealer of the OEM must have supplied at least ONE STEADY REST (With Lathe machine or as indivisual item) of the OEM make of same or higher capabilities in last 10 years (on the date of opening of Tender).	Vendor to confirm		
7.3	Copy of Purchase Order (PO) in the name of OEM or the authorized dealer of the OEM for item as per clause 7.2 is to be submitted along with the offer. The broad details of steady rest should be clearly mentioned in the PO copy. Vendor should submit proof of the same.	Vendor to confirm		
8	OTHER QUALIFICATION REQUIREMENTS (TO BE NECESSARILY SUBMITTED AT THE TIME OF FINAL TENDERING)			
8.1	Authorized Dealer of the OEM shall be required to submit the declaration for support from OEM for Erection & Commissioning, after sales service & necessary spares support . In addition to the above, a back-to-back guarantee from OEM for performance of the item is also required.	Vendor to note		

8.2	<p>The item referred in Clause 7.2 should be working satisfactorily for more than one year after commissioning (on the date of opening of Tender).</p> <p>The Performance Certificate submitted should be recently issued (i.e. its date of issue should not be more than 1 year old from the tender opening date) from the customers regarding satisfactory performance of the item supplied to them vide the Purchase Order as per clause 7.3.</p> <p>Note: Vendor to indicate clearly the Purchase Order (PO) Number, PO Date and Date of Commissioning of the machine on the performance certificate.</p>	Vendor to note		
8.3	<p>Vendors should necessarily furnish following details about the companies where they have supplied the steady rest for which they are submitting the documents in order to fulfil qualifying criteria as mentioned in clause 7:</p> <p>A) Name of the customer/company. B) Complete postal address. C) Broad parameters of the machine and application. D) Name & designation of contact person. E) Phone, Mobile & E-mail address of the contact person.</p>	Vendor to note		
9	MAKE IN INDIA (MII) CONTENT			
9.1	Vendor to mention the Make In India content (Value addition in India) of the offered item in percentage (%). Details to be submitted.	Vendor to Specify		
10	MISCELLANEOUS			
10.1	<p>The sample drawing of Job and schematic drawing of available steady rest are enclosed for the purpose of clarity of requirement to potential bidders.</p> <p>These sketches are for the purpose of explanation of job of type of item required. These sketches are confidential in nature and must not be used directly or indirectly in any way detrimental to the interest of BHEL.</p>	Vendor to note		
10.2	Potential vendors can visit to BHEL works on prior appointment for any clarification & discussion about our requirement.	Vendor to note		
10.3	<p>BHEL reserves the right to verify information provided by the Vendor at their referred customer's works . It shall be the responsibility of the vendor to facilitate the visit of BHEL's team at their referred customer works. In case the information provided by vendor is found to be false / incorrect, the offer shall be rejected.</p>	Vendor to note		

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)



Technical drawing of a rectangular plate with the following dimensions and features:

- Overall width: 420
- Overall height: 1270
- Top edge dimensions (from left): 390, 300, 150, 45
- Right edge dimension (from top): 170
- Left edge dimensions (from top): 720, 1075
- Bottom edge dimensions (from left): 325, 150
- Four circular holes are located in the corners, with centers marked by dashed lines.
- Four small circles are located on the top edge, with centers marked by dashed lines.

STEADY REST BASE FOR MOUNTING ON EXISTING STEADY REST PLATE FORM

MATERIAL.—MILD STEEL and Gun metal for breasting

[illegible]