



An ISO 9001
Company

BHARAT HEAVY ELECTRICALS LIMITED

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT/ MATERIALS MANAGEMENT

ENQUIRY	Phone: +91 431 257 7421/7833 Fax : 431 257 6826 Email : vkarna@bhel.in : vijayak@bhel.in Web : www.bhel.com
NOTICE INVITING TENDER	

TWO PART BID	Enquiry Number:	Enquiry Date:	Due date for submission of quotation:
Tender to be submitted in two parts	2631900066	20.11.2019	13.12.2019

You are requested to quote the Enquiry number, date and due date in all your correspondences. This is only a request for quotation and not an order.

Please note that under any circumstances both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs. on the Date of tender opening.

Item	Description	Qty.	(Indigenous Vendors) Matl. Will be Delivered to
10	Procurement of Special Pneumatic Grinder with Tungsten Carbide Burrs as per the technical specification, BHEL commercial terms & conditions applicable (to be downloaded from web site www.bhel.com and https://eprocure.gov.in)	06 Sets.	FOR, BHEL, Stores, High Pressure Boiler Plant, Tiruchirappalli - 620014

Important points to be taken care during submission of offer

1. Material shall be delivered to (By indigenous vendors): As stated above.
2. By foreign vendors: CFR /CPT- Chennai Seaport / Airport
3. Delivery required 3 Months (Including PDI) from the date purchase order.
4. Erection & Commissioning period required 1 Week from the date of intimation by BHEL to vendor for deputation of their Engineers for E&C.
5. EMD Not Applicable.
6. Compliance Forms: TRY/IMP/04 & TRY/IND/04A to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
7. All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the above websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media.

BHEL's General guidelines / instructions (Refer MM / CE / GENL /001 – NO EMD) including bank guarantee format and list of consortium banks & commercial Terms check list can be downloaded from BHEL web site <http://www.bhel.com> or from Central Public Procurement Portal website <https://eprocure.gov.in> under Enquiry reference "2631900066".

Note: this is not an E-tender, hence Vendors are requested to ensure that the offer is reaching physically at our office before 14:00 Hrs. on the date of tender opening.

Tenders should reach us before 14:00 hours on the due date Tenders will be opened at 14:30 hours on the due date Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present	Yours faithfully, For BHARAT HEAVY ELECTRICALS LIMITED  V. KARUNAKARAN Dy. General Manager Capital Equipment / MM BHEL / Tiruchirappalli - 620 014
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SPECIAL PNEUMATIC GRINDERS WITH TUNGSTEN CARBIDE BURRS, Qty. 6 Sets.

PART A

Section 1: Qualifying Criteria

The Bidder has to compulsorily meet the following requirements to get qualified, for evaluation of the technical offer.

S. NO.	PARTICULARS	BIDDER's RESPONSE
1.1	Only those Bidders / OEMs, who have supplied and commissioned at least 5 numbers of Pneumatic pencil grinders in the past 5 years (as on the first date of opening of Tender) are eligible to quote. Bidder to enclosed the supply details along with relevant documents eg. PO copy, invoice/delivery challan as proof of supply.	
1.2	Bidder has to submit the list of customers to whom the quoted model has been supplied till date. Contact details with Complete address of the customer to be furnished in the offer.	
1.3	BHEL reserves the right to verify the information provided by the Bidder. In case the information provided is found to be false/ incorrect, the offer is liable for rejection.	

Section 2: Information to be provided by the bidder:-

S. NO.	PARTICULARS	BIDDER's RESPONSE
2.1	Details of similar Equipment supplied to BHEL units, if any. (Year of commissioning, Application, Type)	
2.2	Details on SERVICE-AFTER-SALES Set-Up in India including the Address of Agents / Service Centers in India.	
2.3	Any Additional Data to supplement the manufacturing capability of the BIDDER for the subject equipment.	

Section 3: The BIDDER to note:

S. NO.	PARTICULARS	BIDDER's RESPONSE
3.1	The BIDDER / VENDOR shall submit the offer in TWO PARTS. 1. Technical Offer [with PART A & PART B] & commercial offer 2. Price Bid.	
3.2	The Bidder's offer against each clause in PART A & B of the offer should be filled by the BIDDER compulsorily with complete details.	
3.3	The BIDDER shall assure a continuous support for Spares and Service for Ten Years, from the date of commissioning of the equipment at BHEL Works.	
3.4	The Technical Offer shall be supported by Product Catalogue and Data Sheets in original and complete technical details / literature on the quoted model of equipment.	
3.5	The Commercial Offer (given with the Technical Offer) shall contain the Scope of Supply and the Un-Priced Part of the Price-Bid, for confirmation.	

SPECIAL PNEUMATIC GRINDERS WITH TUNGSTEN CARBIDE BURRS, Qty. 6 Sets.

Part B - Technical specification

S No	BHEL Requirement		Bidder's Offer (with technical details)
1.0	Requirement	The special pneumatic grinders shall be hand held type pencil grinder and are intended for carrying out manual grinding operation on a weld joint region. Each set of special pneumatic grinders shall comprise of Straight type Grinder (1 no.) and Angle type Grinder (1 no.) along with Tungsten Carbide burrs required as per this specification	
1.1	Job details	The component is a tube sheet comprising of around 5000 tube to tube sheet weld joints on the tube sheet face. The space between two adjacent weld joints is 2 mm only. Material: Inconel, Stainless steel, Cr Ni alloys, Titanium alloys, Quenched and Tempered low alloy steels.	
2.0	Straight Type Grinder		
2.1	Make and Model	Bidder to specify	
2.2	Free speed	Around 75000 RPM. Bidder to confirm and provide details	
2.3	Body Type	Straight type. Bidder to confirm	
2.4	Operation	Pneumatically operated. Bidder to confirm	
2.5	Power in Watts	Min. 80 Watts. Bidder to specify	
2.6	Weight	Should be light weight type. Preferably around 200 gms. Bidder to specify the weight.	
2.7	Air consumption in m ³ /min	Bidder to specify	
2.8	Noise Level in dB (A)	Bidder to specify	
2.9	Speed Control type	Preferably roll type. Bidder to specify	
2.10	Collet size	Around 3 mm. Bidder to specify	
2.11	Exhaust type	Preferably on the rear. Bidder to specify	
2.12	Air Hose	Hose of suitable length with quick fix type connector. Bidder to provide	

S No	BHEL Requirement		Bidder's Offer (with technical details)
		details like size, length and connector details	
2.13	Overall Length and Dia.	Bidder to specify	
3.0	Right Angled Type Grinder		
3.1	Make and Model	Bidder to specify	
3.2	Free speed	Around 25000 RPM. Bidder to confirm and provide details	
3.3	Body Type	Right Angled type. Bidder to confirm	
3.4	Operation	Pneumatically operated. Bidder to confirm	
3.5	Power in Watts	Min. 85 Watts. Bidder to specify	
3.6	Weight	Should be light weight type. Preferably around 200 gms. Bidder to specify the weight.	
3.7	Air consumption in m ³ /min	Bidder to specify	
3.8	Noise Level in dB (A)	Bidder to specify	
3.9	Speed Control type	Preferably roll type. Bidder to specify	
3.10	Collet size	Around 3mm. Bidder to specify	
3.11	Exhaust type	Preferably on the rear. Bidder to specify	
3.12	Air Hose	Hose of suitable length with quick fix type connector. Bidder to provide details like size, length and connector details	
3.13	Overall Length and Dia.	Bidder to specify	
4.0	Tungsten Carbide Burrs:- Following Tungsten Carbide burrs suitable for the above Pneumatic grinders shall be quoted in the offer:-		
4.1.0	Tungsten carbide burr ball nosed cylinder type 1		
4.1.1	Head Dia	3 mm	
4.1.2	Head length	Around 13 mm	
4.1.3	Shank dia	3 mm. Bidder to specify	
4.1.4	Total Length	Bidder to specify	
4.1.5	Type of cut	Bidder to specify	
4.2.0	Tungsten carbide burr ball nosed cylinder type 2		
4.2.1	Head Dia	6 mm	
4.2.2	Head length	Around 13 mm	
4.2.3	Shank dia	3 mm. Bidder to specify	

S No	BHEL Requirement		Bidder's Offer (with technical details)
4.2.4	Total Length	Bidder to specify	
4.2.5	Type of cut	Bidder to specify	
4.3.0	Tungsten carbide burr ball shaped type 1		
4.3.1	Head Dia	3 mm	
4.3.2	Head length	Around 3 mm	
4.3.3	Shank dia	3 mm. Bidder to specify	
4.3.4	Total Length	Bidder to specify	
4.3.5	Type of cut	Bidder to specify	
4.4.0	Tungsten carbide burr ball shaped type 2		
4.4.1	Head Dia	6 mm	
4.4.2	Head length	Around 6 mm	
4.4.3	Shank dia	3 mm. Bidder to specify	
4.4.4	Total Length	Bidder to specify	
4.4.5	Type of cut	Bidder to specify	
4.5.0	Tungsten carbide burr ball nosed cone type 1		
4.5.1	Head Dia	3 mm	
4.5.2	Head length	Around 13 mm	
4.5.3	Shank dia	3 mm. Bidder to specify	
4.5.4	Total Length	Bidder to specify	
4.5.5	Type of cut	Bidder to specify	
4.6.0	Tungsten carbide burr ball nosed cone type 2		
4.6.1	Head Dia	6 mm	
4.6.2	Head length	Around 13 mm	
4.6.3	Shank dia	3 mm. Bidder to specify	
4.6.4	Total Length	Bidder to specify	
4.6.5	Type of cut	Bidder to specify	
5.0	Spares	Bidder to provide the list of essential spares for 2 years of trouble free operation of the quoted equipment	
6.0	Accessories	Bidder to provide the list of accessories	
7.0	Air pressure available at BHEL works	6 bar. Bidder to confirm that the offered equipment shall work at this pressure.	
8.0	O&M Manual	Operation and Maintenance manual in English Language (Hard copy) – 3 sets.	
9.0	Scope of supply:-		
9.1	Straight Type Grinder – 6 nos.		
9.2	Right Angled Type Grinder – 6 nos.		
9.3	Tungsten carbide burr ball nosed cylinder type 1 – 15 nos.		
9.4	Tungsten carbide burr ball nosed cylinder type 2 – 15 nos.		
9.5	Tungsten carbide burr ball shaped type 1 – 15 nos.		
9.6	Tungsten carbide burr ball shaped type 2 – 15 nos.		

S No	BHEL Requirement		Bidder's Offer (with technical details)
9.7	Tungsten carbide burr ball nosed cone type 1 – 15 nos.		
9.8	Tungsten carbide burr ball nosed cone type 2 – 15 nos.		
9.9	Spares and Accessories		
9.10	O&M Manual and other documents		
10.0	Factory Inspection certificate	Shall be provided along with equipment	
11.0	Pre dispatch Inspection	The equipment shall be offered for pre-despatch Inspection by BHEL at supplier's works prior to despatch	
12.0	Commissioning	The equipment shall be commissioned at BHEL works by supplier's representative.	
13.0	Training	Training on Operation and Maintenance to BHEL staff shall be imparted by supplier's representative	
14.0	Performance Guarantee	Performance of the equipment shall be guaranteed for a period of 12 months from the date of commissioning or 18 months from dispatch whichever is earlier	