

**BHARAT HEAVY ELECTRICALS LIMITED**  
 (A Government of India Undertaking)  
 பாரதமிகுமின் நிறுவனம்  
 BOILER AUXILIARIES PLANT,  
 Indira Gandhi Industrial Complex,  
 RANIPET- 632 406 (Tamil Nadu)

Ph: 04172-284690, 284030,  
 284323,241170  
 Email: rvr@bhelrpt.co.in  
 mkmoorthy@bhelrpt.co.in

Tender NO: **664006E**

**Dt.18/06/2014**

**Annexure-A (To be put in Cover I)**

**BASIC DETAILS**

S.No	Description - Details to be Filled by the Vendor	
1	<b><u>Name of the Vendor with Office Address</u></b>	
2	<b><u>Address for Communication</u></b>	
3	<b><u>Contacts with Designation</u></b>	
	<b>1.Name:</b>	<b>Mobile Number:</b>
	<b>2.Name:</b>	<b>Mobile Number:</b>
	<b>E-Mail ID :</b>	
4	Distance of the vendor works from BHEL Ranipet in Kilometers	
5	Vendor Registration Status with BHEL Ranipet (Mark <input type="checkbox"/> )	New Firm <input type="checkbox"/> Already Registered <input type="checkbox"/>
6	<b>Indicate Vendor Code</b> -If your Firm is already registered in Outsourcing Department, BHEL, Ranipet <b>or</b> <b>Indicate Reference Code</b> -If your Firm is New and not registered in Outsourcing Department, BHEL, Ranipet	
7	Whether your firm falls under NSIC / MSME	YES / NO
8	Have you enclosed the relevant documents as proof for MSME	YES / NO
9	PAN Number	
10	Eligibility Criteria confirmation Format as per Annexure-B	YES / NO
11	Signed in Technical Bid (Annexure-C)	YES / NO
12	Signed in Standard Commercial Terms & Conditions format given as Annexure-E	YES / NO
13	Manufacturing Facilities Available with Firm as per format given in Annexure-F (For New Firm).	YES / NO
14	Scope of operations confirmation as per Annexure-H	YES / NO
15	Affidavit in Stamp Paper value Rs.100 as per Annexure-I	YES / NO
16	Vendor Registration Form given as Annexure-K along with all necessary documents (For New Firm)	YES / NO
17	Experience - Documentary proof for having experience (For New Firm).	YES / NO

We have gone through all the terms and conditions of the tender and fully understood all the technical and commercial requirements and quoted for the tender without taking any deviation.

Signature of Authorized person with seal



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**Annexure-B (To be put in Cover-I)**

**ELIGIBILITY CRITERIA - MANDATORY REQUIREMENT**

(If the vendor is not meeting the following requirement, their offer is liable for rejection)

Sl.No	Criteria	Vendor Confirmation & Remarks	
1	<b>Eligibility for Machinery Requirement</b>		
1a	<b>Vertical Turning Lathe (VTL):</b> (For Enq SI no: 1 to 7 - Impeller Hub). <b>Indicate Number of Machines available with table size.</b>		
	Table with diameter 1.2 m and above.	YES / NO	
	Maximum weight of job loaded on table: 2 Tons.	YES / NO	
	Grinding attachment (preferable).	YES / NO	
	CNC controller (preferable).	YES / NO	
	Accuracy of machining:0.02 mm	YES / NO	
1b	<b>Horizontal Boring Machine:</b> (For all items covered in the Enquiry). <b>Indicate Number of Machines available with spindle size.</b>		
	CNC machine with integrated CNC controlled rotary table.	YES / NO	
	Table size 1.2 m and above (Round/Square)	YES / NO	
	Maximum weight of job loaded on table : 2 Tons	YES / NO	
	Table with indexing accuracy 0.02 degree	YES / NO	
	Spindle dia 100 mm to 130 mm	YES / NO	
	Auto tool changer (ATC) (preferable)	YES / NO	
	Accuracy of machining: 0.01 mm	YES / NO	
	If table is more than 1.4 m dia, spindle support must be used.Confirm for availability of spindle support	YES / NO	
1c	<b>Drilling machine:</b> ( For all items) <b>Indicate size and capacity</b>	YES / NO	
	Table size 1.2 m and above (Round/Square).	YES / NO	
	CNC (preferable)	YES / NO	



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**Annexure-B (To be put in Cover-I)**

**ELIGIBILITY CRITERIA - MANDATORY REQUIREMENT**

(If the vendor is not meeting the following requirement, their offer is liable for rejection)

Sl.No	Criteria	Vendor Confirmation & Remarks	
2	<b>Tooling and Measuring instruments:</b>		
	All the costs for tooling (Including special boring bars), Drill jigs, fixtures (if any required), Measuring instruments to be included in the quoted price. Co-axial gauges for checking the bores to be made by respective firms and calibrated by NABL approved Lab. Necessary consultations for tooling, gauge and fixture designs will be given by BHEL, Ranipet.	YES / NO	
3	<b>Distance Criteria</b>		
	Indicate Road Distance of your Firm from BHEL Ranipet ( Maximum eligible distance is 500 KM)		KM
4	<b>Experience Criteria</b>		
	Firms shall have minimum 2 years experience in last three years in manufacturing of products with similar accuracy machining. Attach PO/IR/DC/Invoice copy as proof.	YES / NO	
5	<b>Transport:</b>		
	The transport of Raw material and finished components is to BHEL Scope, BHEL, Ranipet will arrange for the same. Raw materials will be issued in lots (minimum 2 no's in each lot).	YES / NO	

**We confirm for the machineries and other facilities specified above are available with us to manufacture the items given in the tender.**

Vendor Signature and Seal



**Bharat Heavy Electrical Limited**  
**Outsourcing Department**  
**Ranipet - 632406**

**ANNEXURE - E**  
**STANDARD COMMERCIAL TERMS & CONDITIONS**  
*[FORMAT TO BE SUBMITTED BY THE SUPPLIER ALONG WITH TECHNICAL BID IN COVER I ]*

**Tender No.664006E**

**Dt.18.06.2014**

**Vendor Name with Code:**

<b>S No.</b>	<b>BHEL Standard Commercial Conditions</b>
1	<b>Terms of Delivery: Ex-Works</b> Ex-Works means the charges for Manufacturing and it includes Packing. Freight charges are not included in the quoted prices. Freight for delivery of components to vendor works and return of finished components to BHEL, Ranipet is in BHEL Scope.
02	<b>Delivery Period:</b> <b>15 days for first item (includes time for tools and other accessories preparation) and subsequently 4 No's per month</b> from the date of last material clearance. However actual delivery shall be fixed by BHEL for each PO on project requirement and product lead time.
03	<b>Liquidated Damages:</b> BHEL will levy penalty as Liquidated Damages (LD), for delay in delivery. The damages shall be at the rate of ½% per week or part thereof subject to a maximum of 10%. Delivery for purpose of L.D, will be reckoned as the date of clearance of the items for dispatch by BHEL. Supplier should quote a definite delivery period and any delay in delivery will attract penalty.
04	<b>Terms of payment:</b> Payment will be made within 45 days after receipt of valid invoices supported by full set of necessary documents at Finance in accordance for MSME vendors and for their vendors payment in 90 days.
05	<b>Bank Guarantee:</b> Bank Guarantee for the value of Rs.5.00 Lakh is to be submitted immediately after finalisation of the contract before release of orders in the form provided by BHEL. The list of BHEL consortium Bankers will be provided to the vendors.
06	<b>Risk Purchase:</b> Alternatively, the BHEL at his option will be entitled the contract and to manufacture elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or dispatch within the time stipulated as aforesaid or if the same were not available, the best and the nearest available substitute therefor. The supplier shall be liable for any loss which the BHEL may sustain by reason of such risk purchases in addition to penalty at the rate mentioned in LD clause.
07	<b>Price Validity:</b> One Year from the date of release of order, however the validity date of the offer is 180 days from the date of tender opening for ordering.
08	<b>Excise duty: Not applicable</b>
09	<b>Sales tax/VAT/Service Tax : Not Applicable</b>

**We agree for all the above commercial conditions without any deviation and also certify that there is no deviation in any of the Terms and conditions of this tender.**

**Vendor Signature with Firm's Seal**



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**Annexure-F**

	<b>Manufacturing Facilities Available with Firm (Details to be filled by the New Vendor)</b>	<b>Vendor Reference code</b>
1	Name of Firm <span style="float: right;">Place</span>	
2	Bank Account Number and Name of the Bank	
3	Proprietor/Partnership/Limited company	
4	Name of Proprietor/Partners/Director with Age and Contact Number	
5	Educational & Technical qualifications of Proprietor/partners	
6	Educational & Technical qualifications of Supervisors	
7	Number of in house Quality Inspectors, Manpower details with Educational Details	
8	Availability of qualified NDT personnel	
9	Availability of computer with Internet access	
10	ISO 9001 certification :	
11	Excise Duty /VAT Registration No/TNGST/CST No.:	
12	Electrical power availability (EB) in KW	
13	EB Service Card copy	
14	Availability of alternate power source (Diesel /inverter ) Indicate the capacity	
15	Land area, own/Lease (title deed with encumbrance certificate ) to be furnished (If lease, lease should be minimum for a period of 3 years on the date of Tender opening)	
16	Land title deed with EC for 15 years for own land to be attached	

17	Availability of approach road
18	Covered Area (concrete/ Asbestos ) in Sq.ft
19	Concrete platform inside covered area in Sq.ft
20	Hyd /mech press/ shearing machine (Indicate capacity in MT)
21	Welding Gen / Rect /transformer 400 A(Make)/ CO2 weld equipment : No of sets
22	Electrode Baking Oven upto 500 degree c (preferably 600 degree c) & Thermal Flask 200 degree c
23	Pug Cutting machine with Accessories : No of sets
24	Hand Gas cutting Set : No of sets
25	Pedestal grinder : No of sets
26	HD angle grinder (Heavy Duty ) : No of sets
27	Portable HD Drilling
28	Portable Drilling Machine 32mm
29	Pillar Drilling Machine 35mm
30	Radial Drilling Machine with size
31	Screw Fly press 10MT
32	Jim Screw or press brake
33	Plate Rolling machine capacity (width & thickness) in mm



49	Availability of CNC Machines with Capacity
50	Availability of VMC / Plano Milling - Table size
51	Availability of Grinding Machines - Surface Grinding, Cylindrical Grinding etc..
52	Special Machines
53	Insurance ,ESI and PF facility for employee
54	Availability of Safety wears like Goggles,Boots,Hand Glove etc for the use of workers
55	Usage of Child Labour
56	Availability of Latest Report from Factory Inspector (Government Agency)

**I/We certify that the details furnished above is true and correct**

Signature of the Vendor with Firm Seal

**Annexure G**  
**Certification for MSME**

**Certificate by Chartered Accountant on letter head**

This is to Certify that M/S .....  
(hereinafter referred to as 'company') having its registered office at .....  
is registered under MSMED Act 2006, (Entrepreneur  
Memorandum No (Part-II) ..... dtd:.....  
Category: ..... (Micro/Small)). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as per the latest audited financial year ..... as per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No.S.O.1722(E) dated October 5, 2006 :  
Rs.....Lacs
2. **For Service Enterprises:** Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act, 2006:  
Rs.....Lacs

**(Strike off whichever is not applicable)**

The above investment of Rs.....Lacs is within permissible limit of Rs.....Lacs for .....Micro / Small (Strike off which is not applicable) Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro/ Small) (Strike off which is not applicable) and the date of graduation of such enterprise from its original category is ..... (dd/mm/yyyy) which is within the period of 3 years from the date of graduation of such enterprise from its original category as notified vide S.O. No. 3322(E) dated 01.11.2013 published in the gazette notification dated 04.11.2013 by Ministry of MSME.

Date:

(Signature)

Name -

Membership number -

Seal of Chartered Accountant

**DESCRIPTION: IMPELLER HUB ASSY (Enq Sl.No 01 to 07) .****I. Scope of operations for DRAWING NUMBER: 0-55-214-00867/04**

- 1). Fabricated Impeller hub assy (Stress Relieved & UT/MPI completed at our shop) will be given as per sketch  
**OP: SK: FAN: 0772** from Shop.
- 2). Complete Machining, including Drilling to be done as per drawing. (0-55-214-00867/04) except Keyway cutting and dynamic balancing.
  - a). During VTL operations, all the dimensions are to be strictly maintained as per drawing details.
  - b). During horizontal boring, more care to be taken to maintain drawing dimension.
  - c). Maintain the dimension  $\phi 62F8$ ,  $\phi 88H10$ ,  $\phi 100H8$ ,  $\phi 114H9$ ,  $\phi 125P6$  &  $\phi 670m6$  strictly as per drawing.
- 3). Check all the 18 Bores using Co-axial gauge.
- 4). Run out & Face out should be within 0.04 as per drawing. Details.

**II. Scope of operations for DRAWING NUMBER: 0-55-214-00921/04**

- 1). Fabricated Impeller hub assy (Stress Relieved & UT/MPI completed at our shop) will be given as per sketch  
**OP: SK: FAN: 0916** from Shop.
- 2). Complete Machining, including Drilling to be done as per drawing.. (0-55-334-00921/04) except Keyway cutting and dynamic balancing.
  - a). During VTL operations, all the dimensions are to be strictly maintained as per drawing details.
  - b). During horizontal boring, more care to be taken to maintain drawing dimension.
  - c). Maintain the dimension  $\phi 62F8$ ,  $\phi 88H10$ ,  $\phi 100H8$ ,  $\phi 114H9$ ,  $\phi 142P6$ ,  $\phi 145P6$  &  $\phi 825m6$  strictly as per drawing.
- 3). Check all the 24Bores using Co-axial gauge.
- 4). Run out & Face out should be within 0.04 as per drawing. Details.

**III. Scope of operations for DRAWING NUMBER: 0-55-214-00963/01/00**

- 1). Fabricated Impeller hub assy (Stress Relieved & UT/MPI completed at our shop) will be given as per sketch  
**OP: SK: FAN:967** from Shop.
- 2). Complete Machining, including Drilling to be done as per drawing.. (0-55-334-00963/01/00) except Keyway cutting and dynamic balancing.
  - a). During VTL operations, all the dimensions are to be strictly maintained as per drawing details.
  - b). During horizontal boring, more care to be taken to maintain drawing dimension.
  - c). Maintain the dimension  $\phi 62F8$ ,  $\phi 88H10$ ,  $\phi 120H8$ ,  $\phi 134H9$ ,  $\phi 145P6$ , &  $\phi 780m6$  strictly as per drawing.
- 3). Check all the 20Bores using Co-axial gauge.
- 4). Runout & Face out should be within 0.04 as per drawing. Details.

**IV. Scope of operations for DRAWING NUMBER: 0-55-335-01070/01/00**

- 1). Fabricated Impeller hub assy (Stress Relieved & UT/MPI completed at our shop) will be given as per sketch **OP: SK: FAN:1023** from Shop.
- 2). Complete Machining, including Drilling to be done as per drawing.. (0-55-334-01070/01/00) except Keyway cutting and dynamic balancing.
  - a). During VTL operations, all the dimensions are to be strictly maintained as per drawing details.
  - b). During horizontal boring, more care to be taken to maintain drawing dimension.
  - c). Maintain the dimension  $\varnothing 62F8$ ,  $\varnothing 88H10$ ,  $\varnothing 134H9$ ,  $\varnothing 120H8$ ,  $\varnothing 175P6$ , &  $\varnothing 780m6$  strictly as per drawing.
- 3). Check all the 20 Bores using Co-axial gauge.
- 4). Runout & Face out should be within 0.04 as per drawing. Details.

**V. Scope of operations for DRAWING NUMBER: 0-55-214-01110/01/00**

- 1). Fabricated Impeller hub assy (Stress Relieved & UT/MPI completed at our shop) will be given as per sketch **OP: SK: FAN:1038** from Shop.
- 2). Complete Machining, including Drilling to be done as per drawing.. (0-55-215-01110/01/00) except Keyway cutting and dynamic balancing.
  - a). During VTL operations, all the dimensions are to be strictly maintained as per drawing details.
  - b). During horizontal boring, more care to be taken to maintain drawing dimension.
  - c). Maintain the dimension  $\varnothing 75F8$ ,  $\varnothing 120H10$ ,  $\varnothing 153H8$ ,  $\varnothing 167H9$ ,  $\varnothing 172P6$ ,  $\varnothing 175P6$ ,  $\varnothing 857m6$  &  $\varnothing 1030H8$  strictly as per drawing.
- 3). Check all the 14 Bores using Co-axial gauge.
- 4). Run out & Face out should be within 0.04 as per drawing. Details.

**VI. Scope of operations for DRAWING NUMBER: 0-55-215-01237/01/00**

- 1). Fabricated Impeller hub assy (Stress Relieved & UT/MPI completed at our shop) will be given as per sketch **OP: SK: FAN:1080** from Shop.
- 2). Complete Machining, including Drilling to be done as per drawing.. (0-55-215-01237/01/00) except Keyway cutting and dynamic balancing.
  - a). During VTL operations, all the dimensions are to be strictly maintained as per drawing details.
  - b). During horizontal boring, more care to be taken to maintain drawing dimension.
  - c). Maintain the dimension  $\varnothing 80F8$ ,  $\varnothing 112H10$ ,  $\varnothing 148H8$ ,  $\varnothing 160H9$ ,  $\varnothing 852m6$  and taper bore 1:10 strictly as per drawing.
- 3). Check all the 16 Bores using Co-axial gauge and check the taper using taper plug gauge.
- 4). Run out & Face out should be within 0.05 as per drawing. Details.

**VII. Scope of operations for DRAWING NUMBER: 0-55-334-01243/01/00**

- 1). Fabricated Impeller hub assy (Stress Relieved & UT/MPI completed at our shop) will be given as per sketch **OP: SK: FAN:1079** from Shop.
- 2). Complete Machining, including Drilling to be done as per drawing.. (0-55-334-01243/01/00) except Keyway cutting and dynamic balancing.
  - a). During VTL operations, all the dimensions are to be strictly maintained as per drawing details.
  - b). During horizontal boring, more care to be taken to maintain drawing dimension.
  - c). Maintain the dimension  $\varnothing 62F8$ ,  $\varnothing 88H10$ ,  $\varnothing 108H8$ ,  $\varnothing 122H9$ ,  $\varnothing 175P6$ ,  $\varnothing 785m6$  strictly as per drawing.
- 3). Check all the 20 Bores using Co-axial gauge.
- 4). Runout & Face out should be within 0.04 as per drawing. Details.

**Note: Scope of Work applicable for all Impeller Hub Assy covered under Enq Sl.No 01 to 07**

- 1). Note down all the specification details before taking for machining.
- 2). Transfer all specification details after machining.
- 3). Follow SQP:FAN360 for manufacturing guidelines & inspection stages.
- 4). Delivery: within 15 days from impeller hub assy collection.

**DESCRIPTION: SUPPORT BODY. (Enq Sl.No 08 & 09)****VIII. SCOPE OF OPERATIONS DRAWING.NO: 1-55-214-00204/05**

1.Support body will be given from shop in the following conditions.

(a). (VTL) Turning operations completed as per drawing 1-55-214-00204/05.

(b). Horizontal Boring operations of all the 23 holes completed as per the sketch,OP:SK:FAN:0881.

2.Complete Machining of the support body as per the drawing, including Drilling and Tapping. Strictly maintain the Tolerance for the dimensions as given in the drawing.

3.Apply Rust Preventives.

4.Finished Component is to be handed over to the shop with proper identification.

5.Inspection Agency: BHEL. / QC.

**IX. SCOPE OF OPERATIONS DRAWING.NO: 1-55-335-00890/03**

1.Support body will be given from shop in the following conditions.

(a). (VTL) Turning operations were completed as per drawing 1-55-335-00890/03.

(b). Horizontal Boring operations of all the 23 holes were completed as per the sketch,  
OP:SK:FAN:0625 / 01

2.Complete Machining of the support body as per the drawing, including Drilling and Tapping. Strictly maintain the Tolerance for the dimensions given in the drawing.

3.Apply Rust Preventives.

4.Finished Component is to be handed over to the shop with proper identification.

5.Inspection Agency: BHEL. / QC.

**This is to Certify that we read and under stood the above scope of work and confirm that the required facilities are available with us to manufacture the items given in the tender. The rate quoted according to the scope of operations given in the tender.**

Authorised Signatory with Seal

Enquiry No 664006E dt 18.06.2014-BHEL, Ranipet Out Sourcing  
(NON-JUDICIAL STAMP PAPER VALUED Rs 100/- )

ANNEXURE – I

AFFIDAVIT

I/We M/s .....do hereby undertake the following

01. We have not been put on hold, suspended, delisted, banned or black listed by any of the BHEL units
02. We have not been booked by CBI and/or indicted by a court of law in any criminal case relating to any manufacturing related activity during last 5 years.
03. If one or more partners/directors/proprietor of us DO HAVE a relation or relations employed in the capacity of an officer of BHEL. Furnish the following details.

Name:-

Staff.No:-

Designation:-

Department:-

04. All scope, Terms, conditions ,annexures ,technical/operational requirements of BHEL read understood, accepted with out any deviation and then submitted offer unconditionally .
05. In case it comes to notice of BHEL during the finalization of Tender/after placement of contract and while executing the contract that vendor has given incomplete ,false, incorrect, suppressed information & data, forged documents fake documents/ certificates ,fake certificated or any information prejudicial to BHEL's interest, BHEL will suspend the business with the vendor at any stage and the EMD/Bank Guarantee will be forfeited .
06. I/We undertake that the required Bank Guarantee will be submitted within 15 Days of finalization of the contract, else non submission of BG can be treated as "*not honoring his own offer or any of the condition* " stated/agreed in the tender and declared fit for taking penal action by BHEL as per "*suspension of Business dealings*" against me/us.
07. In the event of ordering I/We agreed to submit the following documents.
  - a) **Own land** - Document copy / **Lease Land** - Registered Lease Agreement and Encumbrance Certificate covering past 20 years for Own/Lease land.
  - b) **Documents for Partnership Firm** – i) Latest Form- A issued after 01.04.2014.ii) Partnership Deed Copy (AT WILL),
  - c) **Documents for Limited Firm (Private Firm)** – i) Latest resolution by Board of Directors. ii) Memorandum of Article of Association. iii) Company's Affidavit for existence, iv) Latest Annual Report. v) Directors Share details.

Signature of authorized person with Seal