



# Bharat Heavy Electricals Limited

## Heavy Equipment Repair Plant

Tarna Shivpur Varanasi-221003

website: <https://herp.bhel.com>

Enquiry Number : **E-RC-304-24-0638-61-1**      Date : **10/Feb/2025**

### Enquiry For Material :-

Sl No	Material Description	Material Code	Quantity	Unit
1	SET OF UPPER JOURNAL BEARING AS PER SPECN. BA53006/00 AND LOWER JOURNAL BEARING AS PER SPECN. BA53007/00 (QTY-01 NOS EACH PER SET)	RV9753006700	25.0	SET
2	SET OF UPPER AND LOWER JOURNAL BEARING FOR XRP-1003 MILL : UPPER BRG-(HH255149D CLASS 20025 CONE 279 mm BORE, HH255110 CLASS 20024 CUP 457 mm OD), LOWER BRG-(HH953749 CLASS 20025 CONE 254 mm BORE, HH953710 CLASS 20024 CUP 533 mm OD) BHEL SPECN. BA53031 REV-00 AND BA53032 REV-00 (QTY-1 NO. EACH BRG/SET)	RV9753031010	30.0	SET

### Remarks

#### (A) SCOPE OF SUPPLY:-

1. THIS ENQUIRY HAS BEEN RAISED FOR ENTERING INTO FRAMEWORK AGREEMENT WITH VENDORS FOR BEARINGS. SEPARATE PO WILL BE GIVEN TIME TO TIME AS PER REQUIREMENT UNDER THIS RC. ITEM QUANTITY MENTIONED IN THE ENQUIRY IS TENTATIVE & IT MAY INCREASE OR DECREASE AS PER OUR FINAL REQUIREMENT.

2. RATES OF ITEMS AGAINST FA WILL BE FIRM & VALID FOR ORDERING FOR A PERIOD OF ONE YEAR FROM THE DATE OF AGREEMENT. PRICE VARIATION CLAUSE (PVC) IS NOT ACCEPTABLE.

AFTER FINALIZATION OF RATE CONTRACT, PO QUANTITY WILL BE PLACED AS PER REQUIREMENT.

REMARK FOR RV9753006700 :

#### (A) SUPPLY CONDITION :

1. ITEM TO BE SUPPLIED AT BHEL HERP STORES.
2. INSPECTION TO BE CARRIED OUT AT HERP VARANASI.

#### (B) TECHNICAL DELIVERY CONDITION :

1. SUPPLIER SHALL FURNISH THE DRAWING/SKETCH ALONG WITH OFFER SHOWING DIMENSIONAL TOLERANCES OF THE BEARINGS.

2. DOUBLE UPPER BEARING WITH SPACER SHALL BE FITTED IN UPPER JOURNAL HOUSING OF BORE DIA RANGING FROM 406.27 mm MIN. TO 406.30 mm MAX.). WE ARE MACHINING THE BORE ON OUR CNC VTL WHERE SIZES SHALL BE MAINTAINED WITHIN THE ABOVE SPECIFIED LIMITS. THEREFORE, THE BEARING SUPPLIER SHOULD MAINTAIN THE DIMENSIONS OF BEARING AND SPACER ACCORDINGLY SO THAT THE END PLAY AFTER FITTING IN UPPER JOURNAL HOUSING SHOULD COME WITHIN 0.051 mm TO 0.152 mm WHEN A LIFT LOAD OF 997 Kg IS APPLIED ON HOUSING.

3. INNER AND OUTER RACES OF THE BEARINGS SHOULD BE PROPERLY IDENTIFIED.

4. MANUFACTURER'S ORIGINAL INSPECTION CERTIFICATE IS REQUIRED.

#### (C) TEST CERTIFICATE : NOT REQUIRED.

(D) GUARANTEE CERTIFICATE : REQUIRED FOR 12 MONTHS FROM THE DATE OF INSTALLATION OR 18 MONTHS FROM THE DATE OF SUPPLY (WHICHEVER IS EARLIER) AGAINST ANY MANUFACTURING DEFECTS.

(E) PACKING INSTRUCTIONS : ITEM SHOULD BE SUPPLIED IN WEATHER PROOF AND SHOCK PROOF WOODEN PACKING TO AVOID TRANSIT DAMAGE.

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REMARK FOR RV9753031010:

(A) SUPPLY CONDITION :

1. ITEM TO BE SUPPLIED AT BHEL HERP STORES.
2. INSPECTION TO BE CARRIED OUT AT HERP VARANASI.

(B) TECHNICAL DELIVERY CONDITION :

1. SUPPLIER SHALL FURNISH THE DRAWING/SKETCH ALONG WITH OFFER SHOWING DIMENSIONAL TOLERANCES OF THE BEARINGS.

2. FOR MATL. CODE RV9753031010-DOUBLE UPPER BEARING WITH SPACER SHALL BE FITTED IN UPPER JOURNAL HOUSING OF BORE DIA RANGING FROM 457.07 mm MIN. TO 457.12 mm MAX.). WE ARE MACHINING THE BORE ON OUR CNC VTL WHERE SIZES SHALL BE MAINTAINED WITHIN THE ABOVE SPECIFIED LIMITS. THEREFORE, THE BEARING SUPPLIER SHOULD MAINTAIN THE DIMENSIONS OF BEARING AND SPACER ACCORDINGLY SO THAT THE END PLAY AFTER FITTING IN UPPER JOURNAL HOUSING SHOULD COME WITHIN 0.127 mm TO 0.229 mm WHEN A LIFT LOAD OF 1815 Kg IS APPLIED ON HOUSING.

3. INNER AND OUTER RACES OF THE BEARINGS SHOULD BE PROPERLY IDENTIFIED.

4. MANUFACTURER'S ORIGINAL INSPECTION CERTIFICATE IS REQUIRED.

(C) TEST CERTIFICATE : NOT REQUIRED.

(D) GUARANTEE CERTIFICATE : REQUIRED FOR 12 MONTHS FROM THE DATE OF INSTALLATION OR 18 MONTHS FROM THE DATE OF SUPPLY (WHICHEVER IS EARLIER) AGAINST ANY MANUFACTURING DEFECTS.

(E) PACKING INSTRUCTIONS : ITEM SHOULD BE SUPPLIED IN WEATHER PROOF AND SHOCK PROOF WOODEN PACKING TO AVOID TRANSIT DAMAGE.

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(G) SPECIAL REMARKS:

1. ITEM WISE MAXIMUM QTY IN EACH LOT (WHICH MAY BE REQUIRED IN A PARTICULAR ORDER) WILL BE 10 NOS. THERE WILL BE A GAP OF 01 MONTH BETWEEN TWO CONSECUTIVE LOTS.
2. DELIVERY PERIOD IS 6 MONTHS FROM THE DATE OF PO. HOWEVER EARLY DELIVERY IS ACCEPTABLE.
3. ALL OTHER TERMS AND CONDITIONS AS PER GTC ATTACHED.

**PQR for Critical Bearings/Split Oil Seals/Equivalent Items**

<b>PQR Ref No: PQR/24-25/ Critical Bearings/Split Oil Seals/Equivalent Items</b>	<b>Date: 23.08.2024</b>
<b>Rev No: 00</b>	<b>Review Date: 23.08.2024</b>
<b>PQR Revision Date:</b>	

<b>Sl. No.</b>	<b>BHEL Terms</b>	<b>Supplier's ComplianceYES/NO</b>
<b>1</b>	<b>Offers are accepted from:</b>	
1.a	Only Manufacturer's Offers shall be considered for the Tender Enquiry.	
1.b	Being critical item only PMD vendor's offers shall be considered for the Tender Enquiry.	
<b>2</b>	<b>Supplier shall give list of In-House Facilities:</b>	
2.a	Vendor shall have in-House necessary Manufacturing facilities required for manufacturing and supply of item/s as per drawing/specification.	
2.b	BHEL reserves right to visit the Works of the Manufacturer for Physical verification of the Manufacturing facilities (as declared by them) and assessment of their Quality systems during Technical Evaluation of the Offers.	
2.c	Bidders shall submit detailed Manufacturing process Plan along with the Technical Offer.	
<b>3</b>	<b>Experience:</b>	
3.a	Bidders shall submit the necessary documents proving their <b>Experience in Supplying same or similar items to any Power Plant equipment Manufacturer (worldwide or within India)</b> in last three years from the date of Enquiry. Documentary evidences to be submitted in the form of Customer's Purchase Order copies / Material Acceptance Report and item drawings/specifications. Documentary evidences submitted shall strictly meet all the technical requirement of the NIT.	
3.b	BHEL reserves right to verify the details from the Bidder's customers based on Documents submitted as a part of past experience. BHEL may ask for other relevant documents in line with above to review the capacity and capability of vendor with respect to enquired items.	
4.a	<b>Turn Over:-</b> Turn over of Non-MSe vendors should be minimum 100 % of tender value. Relaxation for MSe vendors/ Notified Start-Ups on turn over will be as per MSME guidelines. UDYAM Certificate required for Mse status.	
4.b	Applicable only for Non-Mse vendors:  Audited balance Sheet and Profit and Loss account Statement of last three consecutive year (with UDIN ) required along with part-1 bid. Or A CA Certified Consolidated summary (with UDIN) for last 3 consecutive years having annual turn over and Profit and Loss to be enclosed along with Part-1 bid .  For Vendors having Turn over less than 1 crore in any of the financial year, CA certified Financial Turn over and Profit Loss (with UDIN) may be accepted for that year only.	

**Note-1: Non Submission of the above requested documents/non compliance to the above points will result in rejection of the Offers without further Notice/Intimation to the Bidder and no correspondance will be entertained at later date.**

Note-2: "Similar items" means items having same/similar manufacturing process,similar nature of use of item as that of enquired items etc.

2.106.1

Rev. 4

Form No.



PRODUCT STANDARD  
PULVERIZER ENGG.  
HYDERABAD

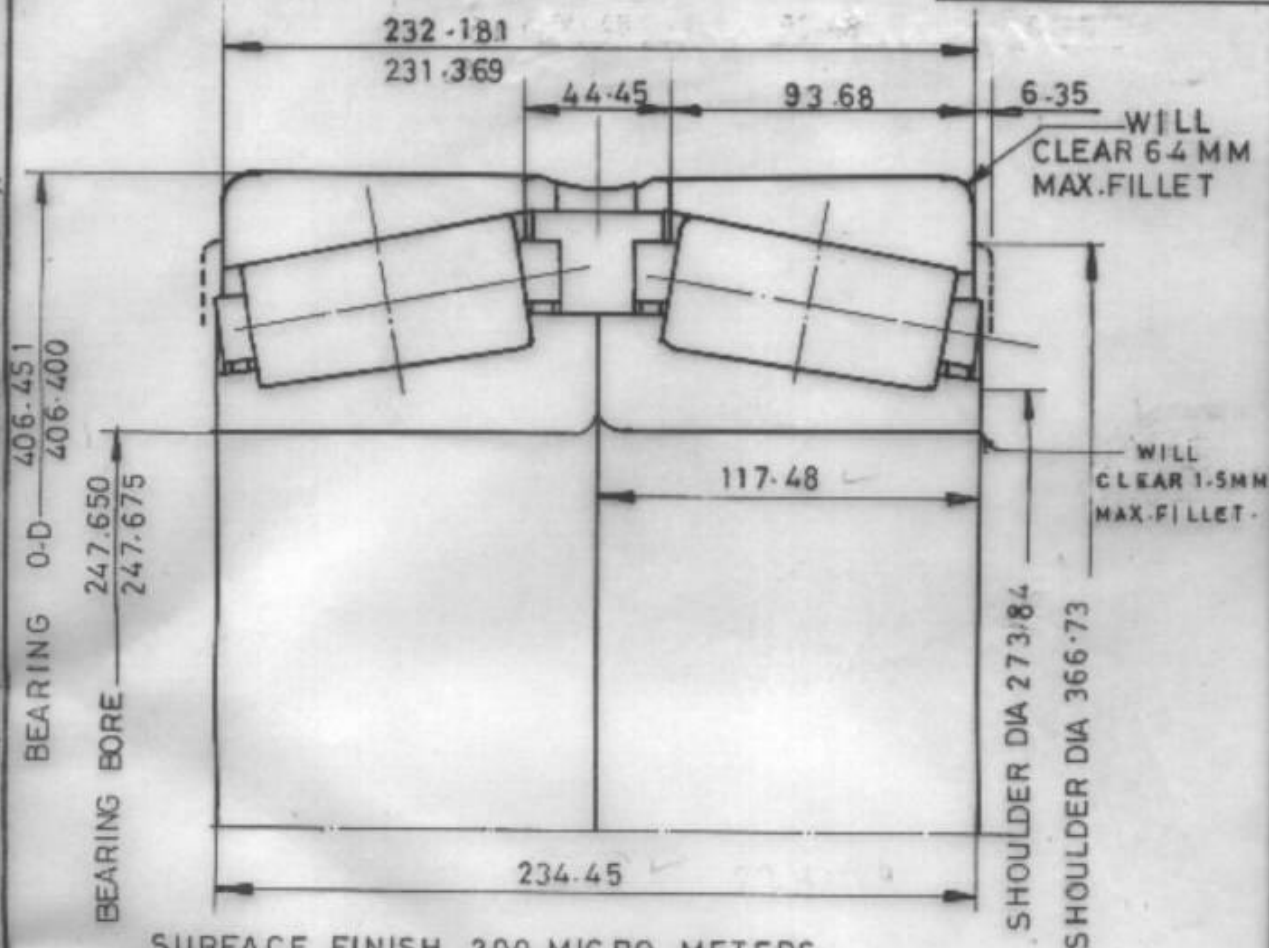
PRODUCT  
STD. NO. BA 53006

PAGE 1 OF 2

REV. NO. 00

MATERIAL CODE  
BA 9753006012

JOURNAL BEARING UPPER



SURFACE FINISH 200 MICRO METERS.

- 1) TIMKEN BRG. TYPE TDI COMPLETE CONSISTS OF.
  - HH 249949D CLASS 20025 CONES — 2 NOS.
  - HH 249910 CLASS 20024 CUPS — 2 NOS.
  - HH 249910ES MATCHED SPACER — 1 NO.
  - HH 255105 PINNED ROLLER CAGE DESIGN.
- 2) TORRINGTON 97 TSDI 452 BDI 482 H5 OR EQUIVALENT.

BASIC DYNAMIC CAPACITY 3 299 000N

BASIC STATIC CAPACITY 4 564 000N

WT = 126 KG

Ref. Doc.

GP 2484

Rev. No.

00.04

Revisions:

Refer to record of revisions

Prepared:

LWC

Approved:

[Signature]

Date:

29.9.94



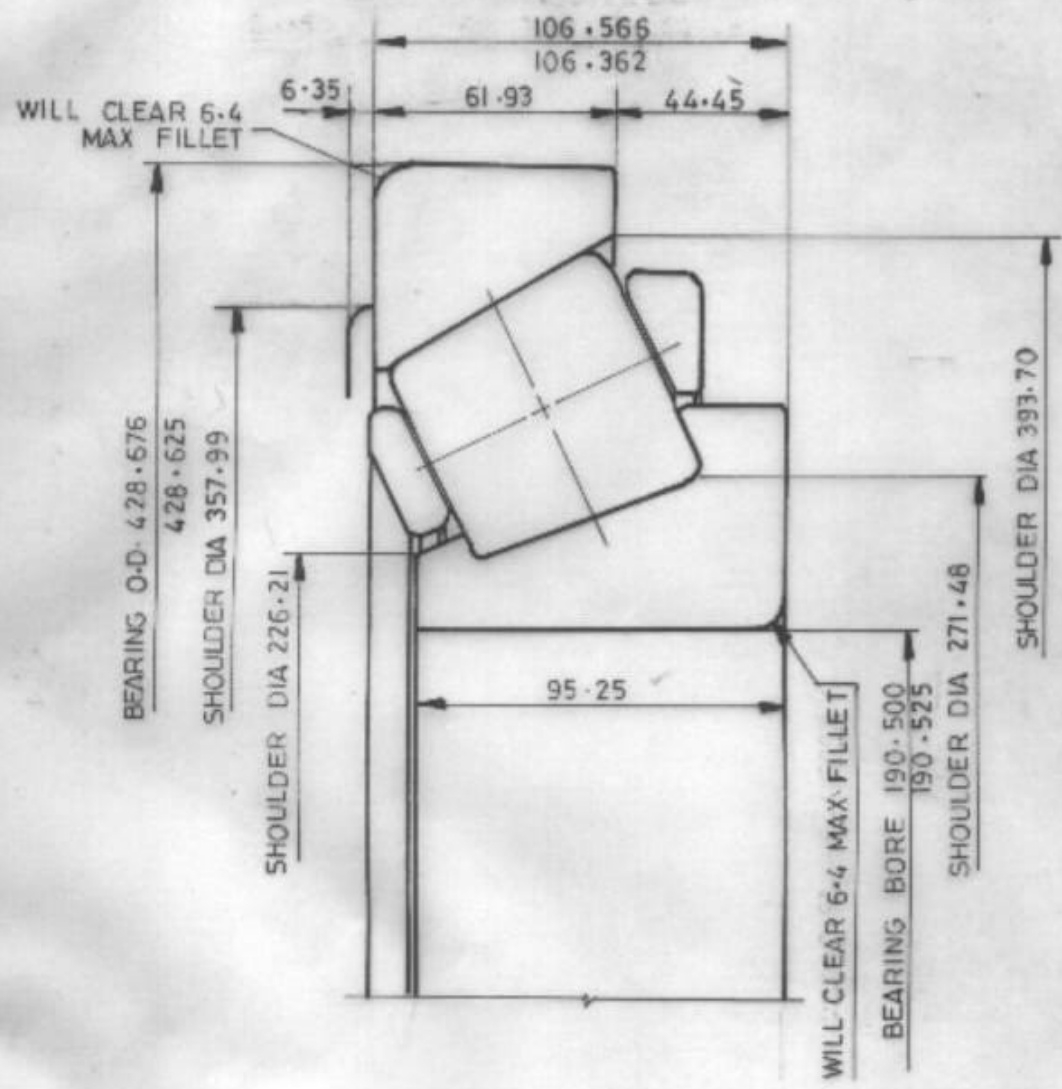
136-1  
Rev. 4  
Form No.



PRODUCT STANDARD  
PULVERIZER ENGG.  
HYDERABAD

PRODUCT STD. NO.	BA53007
PAGE 1 OF 2	
REV. NO.	00
MATERIAL CODE	BA 9753007019

JOURNAL BEARING LOWER



1. TIMKEN TYPE TS BRG. COMPLETE CONSISTS OF
- EE 350750 CLASS 20025 CONE - 1 No
  - 351687 CLASS 20024 CUP - 1 No
  - 350001 PINNED ROLLER CAGE DESIGN
- OR
2. TORRINGTON 75TSS 352BB1422
- BASIC DYNAMIC CAPACITY : 907000N  
BASIC STATIC CAPACITY : 1321000N

FAW 801528

Ref. Doc.  
MP 10664

Rev. No. 00	Revisions : Refer to record of revisions	Prepared : LWC/ <i>[Signature]</i>	Approved : <i>[Signature]</i>	Date : 30-09-94
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## PRODUCT STANDARD

PRODUCT	
STD. No.	

BA53007

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REV NO 00

HYDERABAD


### RECORD OF REVISIONS

[illegible]

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TD-106-1 Rev No. 5  Form No.		<b>PRODUCT STANDARD</b> <b>PULVERISERS</b> <b>HYDERABAD</b>		<b>Product</b> <b>STD NO.</b>	<b>BA53031</b>
				Rev No. 00	
				Page 1 of 2	
<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">           COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED. It must not be used directly or indirectly in any way detrimental to the interest of the company.         </div> <div> <p style="text-align: center;"><b><u>TAPERED ROLLER BEARING SET</u></b> <b>(JOURNAL ASSEMBLY-UPPER)</b></p> <p><b>MATERIAL CODE: BA9753031009</b> <span style="float: right;">BOWL MILL: XRP 1003</span></p> <p>NO. OFF PER MILL: 3 <span style="float: right;">LOCATION: JOURNAL ASSY.</span></p> <p>REF: GP-1668 (BRG), 101-1081 (HSG)</p> <p><b><u>DESCRIPTION:</u></b> TIMKEN BEARING TYPE TD1 COMPLETE CONSISTS OF</p> <ol style="list-style-type: none"> <li>1. HH255149D CLASS 20025 CONE 279 mm BORE</li> <li>2. HH255110 CLASS 20024 CUP 457 mm OD               <ol style="list-style-type: none"> <li>(i) HH255110 ES MATCHED CUP SPACER. 8 MICROINCH MAX. FINISH ON CUP, CONE &amp; ROLLERS. HH255105 PINNED ROLLER CAGE DESIGN.</li> <li>(ii) HOUSING SIZE Ø 457.12 TO Ø 457.07</li> </ol> </li> </ol> <p><b><u>ALTERNATE BEARING:</u></b> TORRINGTON 110TD1491CC148H7</p> <p>TECHINCAL REQUIREMENTS:</p> <ol style="list-style-type: none"> <li>(i) END PLAY WITHOUT ASSEMBLY 0.127 mm TO 0.229 mm.</li> <li>(ii) END PLAY AFTER ASSEMBLY 0.152 mm AT LOAD 1000 KG.</li> </ol> <p>DETAILS TO BE ENGRAVED/PUNCHED ON BEARING:</p> <ol style="list-style-type: none"> <li>(i) BEARING NUMBER</li> <li>(ii) SPACER DIMENSIONS</li> </ol> <p><b><u>PACKING:</u></b> BEARING SHALL BE PACKED INDIVIDUALLY IN POLYTHENE COVER AND KEPT IN SEA WORTHY PACKING.</p> </div> </div>					
<b>Revisions:</b>  Refer to record of revisions:		<b>Prepared:</b> S GHATGE	<b>Approved:</b> J.G.K	<b>Date:</b> 31.12.98	



**Refer to record of revisions:**



**On Bidder's office letter pad**

## **Make in India (Model Certificate) Annexure-I**

### **Self-Declaration**

<b>Enquiry No.</b>	
<b>Enquiry Date</b>	

In line with Government public procurement order Number P-45021/2/2017-B.E-II dated 15.06.2017, and further modified order dt. 28.05.2018, 29.05-2019 and 04.06.2020

I / We hereby declare that I / We are a "Local Supplier" meeting the requirement of minimum local content (.....%) defined in the above government notification for the goods against above mentioned enquiry Number.

Details of location at which local value addition will be made is as follows:

Door No.	
Street / Address 1	
Street / Address 2	
District	
State	
Country	
PIN Code	

We also understand that the false declarations will be considered as breach of Integrity and liable for action.

**For Company Name:**

**Seal:**

**Signature:**

**Date:**

**Place:**

(Please fill all Yellow color field )