



# Bharat Heavy Electricals Limited

## Heavy Equipment Repair Plant

Tarna Shivpur Varanasi-221003

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

Enquiry Number : E-308-25-0054-93-1      Date : 16/Feb/2026

### Enquiry For Material :-

Sl No	Material Description	Material Code	Quantity	Unit
1	RING (HW-399.138)-- MACHINING AND STELLITING AS PER DRG. NO. 21132256018/00 V-00	HW-399.138	2.0	NO
2	VALVE CONE (HW-399.231/HW-399.233)-- MACHINING AND STELLITING AS PER DRG. NO. 01132252002/00 V-00	HW-399.231	4.0	NO
3	VALVE CONE (HW-399.231/HW-399.233)-- MACHINING AND STELLITING AS PER DRG. NO. 01132252002/00 V-00	HW-399.233	2.0	NO
4	VALVE SEAT (CONTROL VALVE) (HW-399.238)-- MACHINING AND STELLITING AS PER DRG. NO. 21122230002/00 V-00	HW-399.238	5.0	NO

### Remarks

#### (A) SUPPLY CONDITION

1. MATERIAL TO BE SUPPLIED AT BHEL HERP STORES.
2. PRE-DESPATCH INSPECTION WILL BE CARRIED OUT AS PER QAP NO: QP-QA-ST-COATING-01-ADANI 25.09.2025 REV.00 REV00. AT PARTY'S WORKS BY BHEL REPRESENTATIVE.

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INSPECTION/WITNESS IS REQUIRED AT DIFFERENT STAGES OF MANUFACTURING, HENCE PARTY SHALL INFORM BHEL REPRESENTATIVE FOR INSPECTION AT DIFFERENT STAGES AS MENTIONED IN ABOVE QP.

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FIM DETAILS WHICH SHALL BE ISSUED BY BHEL HERP AGAINST EACH ITEM IS MENTIONED BELOW:

HW-399.138--ROUGH M/C FORGING FOR RING (HW-399.138) AS PER DRG 31132256998 AND MATL. HW19390 (HEEP MATL CODEW95311322128), QPA= 01 NO PER ASSLY.

HW-399.231--ROUGH M/CD CASTING FOR VALVE CONE (HW-399.231/HW-399.233) AS PER DRG 11132256907 AND MATL. HW19683 (HEEP MATL CODE W92311322168), QPA= 01 NO PER ASSLY.

HW-399.233-- ROUGH M/CD CASTING FOR VALVE CONE (HW-399.231/HW-399.233) AS PER DRG 11132256907 AND MATL. HW19683 (HEEP MATL CODE W92311322168), QPA= 01 NO PER ASSLY.

HW-399.238--ROUGH M/CD FORGING FOR VALVE SEAT (HW-399.238) AS PER DRG 41122230998 AND MATL. HW19462 (HEEP MATL CODE W95311222107), QPA= 01 NO PER ASSLY.

#### (B) TECHNICAL DELIVERY CONDITION

1. PRECOATING MACHINING, STRESS RELIEVING, HARD FACING (AS MENTIONED IN RESPECTIVE DRG) AND POST STELLITING M/CING TO BE DONE AS PER DRG. HARDFACING TO BE DONE BY USING MATERIAL AS PER DEPOSITION MENTIONED IN THE DRG. DEPOSITION SHALL BE CHECKED FOR DEFECTS BY D.P.TESTING. THERE SHOULD NOT BE ANY POROSITY.
2. DIMENSIONS AND TOLERANCES TO BE MAINTAINED AS PER DRG.
3. ALL TOOLINGS/JIG/FIXTURE/TEMPLATES/GAUGES AND STELLITE CONSUMABLES TO BE ARRANGED BY PARTY.
4. DIMENSION REPORT IS REQUIRED.
5. PARTY WILL TAKE FULL PRECAUTION TO AVOID ANY TYPE OF MIXING OF BHEL MATL. WITH OTHER MATERIAL.
6. ALL THE TECHNICAL REQUIREMENT MENTIONED IN THE DRG. SHOULD BE FOLLOWED AND FULFILLED STRICTLY.

(C) TEST CERTIFICATE: REQUIRED FOR D.P.TEST AND HARDNESS OF STELLITE DEPOSIT AND CHEMICAL PROPERTIES OF STELLITE MATERIAL.

(D) GUARENTEE/WARRANTY CERTIFICATE: AGAINST ANY MANUFACTURING DEFECT FOR 24 MONTHS.

(E) PACKING INSTRUCTION: ITEM TO BE SUPPLIED IN WOODEN BOX OF 1" THICK PLANK WITH 1.5"X4" BKTS. M/CD SURFACE AND THREADS SHOULD BE PROTECTED PROPERLY WITH IOCL-SERVO RP-330 OR EQUIVALENT OIL TO PREVENT ANY RUSTING DURING

TRANSIT AND STORING. EXTERNAL THREAD SHOULD BE PROTECTED BY WRAPPING PLASTIC SLEEVE OR GUNNY BAG. ITEM SHOULD BE COMPLETELY WRAPPED IN POLYTHENE. IDENTIFICATION SHOULD BE DONE AS PER MENTIONED IN THE DRG.

NOTE: SPECIAL CARE OF THREADED/STELLITED/FLUID TIGHT/CRITICAL SURFACES MUST BE TAKEN WHILE PACKING/TRANSPORTATION TO AVOID ANY TRANSIT DAMAGE.

(F) DELIVERY SHALL BE WITHIN 05 MONTHS FROM THE DATE OF RECEIPT OF BHEL FIM. HOWEVER, EARLY DELIVERY IS ACCEPTABLE.

(G) THE VALIDITY OF THE PO WILL BE 1.5 YEARS FOR SENDING THE BHEL FIM TO THE PARTY.

(H) THE APPROXIMATE COST AND WEIGHT OF FREE ISSUE MATL. PER PIECE/ASSLY IS MENTIONED BELOW.

HW-399.138--RS.63136/-  
HW-399.231--Rs.869564/-  
HW-399.233--Rs.869564/-  
HW-399.238--Rs.313704/-

(I) PARTY HAVE TO QUOTE BY CONSIDERING THE COST OF SCRAP GENERATED DURING MACHINING OF BHEL FIM AS THIS SCRAP IS TO BE KEPT WITH THEM.

(J) BANK GUARANTEE: THE COST OF BHEL FREE ISSUE MATERIALS PER SET/PER ASSEMBLY AND TOTAL COST OF FIM FOR THE ENQUIRY ARE MENTIONED IN NIT. IN THIS REGARD:

1. (a) PARTY WILL HAVE TO SUBMIT EQUAL AMOUNT OF SECURITY DEPOSIT (IN THE FORM OF 10% BG/FDR/DD/CHEQUE/BANK TRANSFER AND 90% INDEMNITY BOND) TOWARDS THE COST OF BHEL MATERIALS TO BE ISSUED TO THEM BEFORE THE ISSUE OF BHEL MATERIALS TO THEM. AT ANY POINT OF TIME, PROPORTIONATE SECURITY DEPOSIT OF TOTAL/CUMMULATIVE MATERIAL VALUE SHOULD BE MAINTAINED.

(b) IN CASE OF TRIAL/DEVELOPMENTAL ORDER, PARTY WILL HAVE TO SUBMIT 30% BG/FDR/DD/CHEQUE/BANK TRANSFER AND 70% INDEMNITY BOND TOWARDS THE COST OF BHEL FIM.

2. BHEL MAY ASK THE SUPPLIER FOR SUBMISSION OF FULL SECURITY DEPOSIT AMOUNT OR PART DEPENDING UPON THE AVAILABILITY OF FREE ISSUE MATERIALS AT OUR END.

3. PARTY MUST HAVE TO SUBMIT THE SAME WITHIN 02 WEEK TIME FROM THE DATE OF WRITTEN INTIMATION BY BHEL WITHOUT FAIL OTHERWISE IT WOULD TREATED AS FAILURE OF HONOURING PO TERMS AND ACCORDINGLY BHEL MAY CANCEL THE PURCHASE ORDER AND INITIATE ALTERNATE PROCUREMENT ACTION AT SUPPLIER RISK & COST.

4. IN CASE OF ABSENCE OF DESIRED SECURITY DEPOSIT AT BHEL END AND ALSO NON RESPONSE OF POINT NO. 03 AS ABOVE,

I. BHEL MAY HOLD THE PENDING PAYMENTS OF SUPPLIER AVAILABLE AT BHEL ON THEIR CONSENT.

II. IF NO PAYMENT IS PENDING AT BHEL END, ACTION FOR ALTERNATE PROCUREMENT ACTION MAY BE INITIATED.

5. THE FORMAT OF BG AND IB SHALL BE PER ATTACHED ANNEXURE-BG/FIM AND IB-FIM RESPECTIVELY.

(K) TRANSPORTATION CHARGES FOR SENDING BHEL FREE ISSUE MATERIALS (FIM) TO THE PARTY WORKS WILL BE BORNE BY BHEL ONLY. THE FREIGHT CHARGES FOR SENDING THE BHEL FIM FROM HERP STORES TO PARTY'S WORK FOR EACH ITEM WILL BE LOADED AS PER BHEL TRANSPORT CONTRACT AT THE TIME OF TOTAL LANDED COST CALCULATION. HOWEVER, VARANASI/LOCAL BASED VENDORS WILL LIFT THE FIM FROM BHEL STORES AND BORNE ITS TRANSPORTATION CHARGES.

(L) REVERSE AUCTION: BHEL MAY RESORT TO REVERSE AUCTION (RA) (GUIDELINES AS AVAILABLE ON WWW.BHEL.COM) FOR THIS TENDER. RA MAY BE CONDUCTED AMONG ALL THE TECHNO-COMMERCIALY QUALIFIED BIDDERS. PRICE BIDS OF ALL TECHNO-COMMERCIALY QUALIFIED BIDDERS SHALL BE OPENED AND SAME SHALL BE CONSIDERED AS INITIAL BIDS OF BIDDERS IF RA IS CONDUCTED. IN CASE ANY BIDDER(S) DO(ES) NOT PARTICIPATE IN ONLINE REVERSE AUCTION, THEIR PRICE BID ALONG WITH APPLICABLE LOADING, IF ANY, SHALL BE CONSIDERED FOR RANKING.

(M) THE OFFERS FROM PMD VENDORS UNDER HOLD CATEGORY AS WELL AS VENDORS BANNED BY BHEL MAY NOT BE CONSIDERED.

(N) BEING AN OPEN TENDER VENDORS HAVE TO SUBMIT THE DULY FILLED AND SIGNED & STAMPED COPY OF PQR ALONG WITH ALL RELATED DOCUMENTS.

(O) TENDER WILL BE EVALUATED ITEM WISE i.e. L-1 WILL BE DECIDED FOR EACH INDIVIDUAL ITEM AND NOT ON TOTALITY BASIS.

(P) ANY BIDDER FALLING UNDER MSE CATEGORY SHALL FURNISH THE DECLARATION AS PER ATTACHED ANNEXURE-MSEs 2012 REV 01 ALONG WITH THEIR TECHNO-COMMERCIAL OFFER. THIS DECLARATION, ALONG WITH THE UDYAM CERTIFICATE, SHALL BE MANDATORY FOR BIDDERS TO AVAIL BENEFITS UNDER THE PUBLIC PROCUREMENT POLICY.

(Q) ALL OTHER TERMS AND CONDITIONS SHALL BE AS PER THE GTC ATTACHED WITH ENQUIRY (PARTY HAS TO STRICTLY ADHERE THESE TERMS & CONDITIONS).

#### List of required Quality Documents along with supply:-

S.No	Material Code	Material Description	Documents Description
1	HW-399.138	null	1. Dimension Report 2. DPT after Stelling 3. Guarantee Certificates 4. Hardness test 5. Heat Treatment Chart

S.No	Material Code	Material Description	Documents Description
			6. Inspection Report by TPI/BHEL 7. Test Certificates Chemical Properties
2	HW-399.231	null	1. Test Certificates Chemical Properties 2. Inspection Report by TPI/BHEL 3. Heat Treatment Chart 4. Hardness test 5. Guarantee Certificates 6. DPT after Stelling 7. Dimension Report
3	HW-399.233	null	1. Dimension Report 2. DPT after Stelling 3. Guarantee Certificates 4. Hardness test 5. Heat Treatment Chart 6. Inspection Report by TPI/BHEL 7. Test Certificates Chemical Properties
4	HW-399.238	null	1. Test Certificates Chemical Properties 2. Hardness test 3. Heat Treatment Chart 4. Inspection Report by TPI/BHEL 5. Guarantee Certificates 6. Dimension Report 7. DPT after Stelling

**Note :** Any other document mentioned in QP/Drg/Spec will also be applicable

**PQR for critical turbine - Stelited items of HEEP Haridwar**

<b>PQR Ref No: PQR/25-26/ HEEP Stelited Items</b>	<b>Date: 06.02.2026</b>
<b>Rev No: 00</b>	
<b>PQR Revision Date:</b>	

<b>Sl. No.</b>	<b>BHEL Terms</b>	<b>Supplier's Compliance YES/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 the critical turbine items, only offers of following HEEP approved sources shall be considered for this Tender enquiry A) M/s SAI SURFACE COATING INDIA B) M/s KENNAMETAL STELLITE GMBH GERMANY C) M/s STELLA AG GERMANY D) M/s ATS TECHNO PVT.LTD. AHMEDABAD E) M/s BHEL BHOPAL F) M/s IPM GHAZIABAD G) M/s ASSOCIATED PLASMATRON PVT.LTD. THANE H) M/s ANODE PLASMA, KANPUR In case of any new Vendor participates in the tender, then they must get approved in HEEP Haridwar before price bid opening.	
<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 the item/s as per drng/spec..	
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.	
<b>3</b>	<b>Experience:</b>	
3.a	Bidders shall submit the necessary documents proving their Experience in Supplying Stelited and Machined items to any Power Plant Equipment Manufacturer (Original Equipment Manufacturer) <b>during last Five (05) years</b> from the date of Enquiry. Documentary evidences to be submitted in the form of Executed Purchase Order copies along with Material Acceptance Report and drawings/specifications of the supplied item/items.  <b>No relaxation in experience shall be given to MSEs &amp; Notified start-ups.</b>	
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.	
<b>4</b>	<b>Manufacturing Process Plan:</b>	
4.a	Bidders shall submit detailed Manufacturing process Plan along with the Technical Offer.	
<b>5</b>	<b>Financial Capability:</b>	
5.a	<b>Turn Over:-</b> Turn over of Non-MSE vendors should be 100% of tender value. Relaxation for MSE vendors/ Notified Start-Ups on turn over will be as per MSME guidelines. Latest UDYAM Certificate required for MSE status.	
5.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.	
6	After placement of Purchase Order, Vendor shall submit Material Test Certificate before dispatching the Material to BHEL, for review and Dispatch clearance.	

**Note-1: Non Submission of the above requested documents/non compliance to the above points is liable for rejection of the Offers without any further Notice/Intimation to the Bidder and no correspondence will be entertained at later stage.**