



# Bharat Heavy Electricals Limited

## Heavy Equipment Repair Plant

Tarna Shivpur Varanasi-221003

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

Enquiry Number : E-312-24-0047-93-1 Date : 12/Feb/2025

### Enquiry For Material :-

Sl No	Material Description	Material Code	Quantity	Unit
1	VALVE SPINDLE (HW-165.43) -- MACHINING AND STELLITING AS PER DRG. 11120202041 REV.09 SCRAP WT : 31.929 KG per No.	HW-165.43	3.0	NOS
2	VALVE CONE WITH SPINDLE (HW-165.45) - COMPLTE MACHINING AND STELLITING AS PER DRG. 11122302004 REV.05 SCRAP WT : 290.026 KG per No.	HW-165.45	1.0	NOS
3	VALVE SPINDLE (HW-165.61)-- COMPLETE MACHINING AND STELLITING AS PER DRG. 11230425002 REV.06 SCRAP WT : 92.758 KG per No.	HW-165.61	1.0	NOS
4	GUIDE BUSH (HW-165.62)-- COMPLETE MACHINING AND STELLITING AS PER DRG. 11230425004 REV.01 SCRAP WT : 40.85 KG per No.	HW-165.62	1.0	NOS
5	VALVE SPINDLE (HW-165.63) -- COMPLETE MACHINING AND STELLITING AS PER DRG. 11230501002 REV.04 SCRAP WT : 85.975 KG per No.	HW-165.63	1.0	NOS
6	THREADED RING (HW-169.34)-- MACHINING AND STELLITING AS PER DRG. 21120202020 REV.02 SCRAP WT : 38.779 KG per No.	HW-169.34	2.0	NOS
7	VALVE CONE (HW-169.35) -- STELLITING AND MACHINING AS PER DRG. 21120205002 REV.04 SCRAP WT : 33.25 KG per No.	HW-169.35	1.0	NOS
8	VALVE SPINDLE VAR.00/VAR.01 (HW-169.41) - COMPLETE STELLITING AND MACHINING AS PER DRG. 21132005004 REV.02 SCRAP WT : 102.239 KG per No.	HW-169.41	3.0	NOS
9	VALVE SPINDLE VAR.00 (HW-169.89)-- COMPLETE STELLITING AND MACHINING AS PER DRG. 21230101023 REV.14 SCRAP WT : 167.01 KG per No.	HW-169.89	1.0	NOS
10	VALVE SEAT (ALLOWANCE AS PER SPARE DIMENSION) (HW-169.93) -- COMPLETE STELLITING AND MACHINING AS PER DRG. 21230425003 REV.02 SCRAP WT : 1.311 KG per No.	HW-169.93	1.0	NOS
11	VALVE CONE (HW-172.71) - MACHINING AND STELLITING AS PER DRG. 31120201002 REV.01 SCRAP WT : 14.63 KG per No.	HW-172.71	1.0	NOS
12	VALVE CONE (HW-259.37) -- MACHINING AND STELLITING AS PER DRG. 11132002002 REV.08 SCRAP WT : 49.4 KG per No.	HW-259.37	1.0	NO
13	VALVE ASSLY. (HW-278.95) -- MACHINING AND STELLITING AS PER DRG. 21324002020 REV.02 SCRAP WT : 8.189 KG per No.	HW-278.95	2.0	NO
14	VALVE SPINDLE VAR.00 (HW-290.05) -- MACHINING AND STELLITING AS PER DRG. 21132205003 REV.03 SCRAP WT : 56.05 KG per No.	HW-290.05	1.0	NO

### Remarks

(A)SUPPLY CONDITION

1. APPLICABLE ROD/CASTING/FORGING WILL BE ISSUED BY BHEL HREP FREE OF COST AS DETAILS MENTIEOND BELOW.

FOR HW-165.43 : ROD DIA-80 ,SPECN. HW10683; L= 1340 MM . ; QPA 54 KG.

FOR HW-165.45 : ROUGH MACHINED FORGING FOR VALVE CONE WITH SPINDLE (HW-165.45) -- ITEM AS PER DRG. 11122302004.F WITH MATL. HW19390 REV.04 ; QPA 1 NOS.

FOR HW-165.61 : ROD DIA-125 ,SPECN. HW10683; L= 1300 MM . ; QPA 128 KG.

FOR HW-165.62 : R/MCD GUIDE BUSH FORGING (HW-165.62.F) ; QPA 1 NOS.

FOR HW-165.63 : ROUGH M/CD FORGING OF VALVE SPINDLE (HW-165.63.F) ; QPA 1 NOS.

FOR HW-169.34 : ROUGH MACHINED FORGING FOR RING (HW-169.34.1) -- ITEM AS PER DRG. 31120202021.F WITH MATL. HW19390 REV.04 ; QPA 1 NOS.

FOR HW-169.34 : ROUGH MACHINED FORGING FOR THREADED BUSH (HW-169.34.2) -- ITEM AS PER DRG. 31120202022.F WITH MATL. HW19390 REV.04 ; QPA 1 NOS.

FOR HW-169.35 : VALVE CONE (HW-169.35) -- R/MCD CASTING AS PER DRG. 3-11202-27901 REV.02 WITH MATL. HW19581 (HWR. MATL. CODE - W92311202081) ; QPA 1 NOS.

FOR HW-169.41 : ROD DIA-125 ,SPECN. HW10683; L= 1590 MM . ; QPA 156 KG.  
FOR HW-169.89 : ROUGH MACHINED FORGING FOR VALVE SPINDLE (HW-169.89) -- ITEM AS PER DRG. 31230101993 REV.03 WITH MATL. HW19390 REV.04 ; QPA 1 NOS.  
FOR HW-169.93 : ROUGH MACHINED FORGING FOR VALVE SEAT (HW-169.93) -- ITEM AS PER DRG. 21230425003.F WITH MATL. HW19390 REV.04 ; QPA 1 NOS.  
FOR HW-172.71 : ROUGH MACHINED FORGING FOR VALVE CONE (HW-172.71) -- ITEM AS PER DRG. 31120201997 REV.01 WITH MATL. HW19390 REV.04 ; QPA 1 NOS.  
FOR HW-259.37 : ROUGH MACHINED CASTING OF VALVE CONE (HW-259.37) ; QPA 1 NOS.  
FOR HW-278.95 : ROD DIA-36 ,SPECN. HW10683; L= 360 MM . ; QPA 3 KG.  
FOR HW-278.95 : VALVE CONE (HW-278.38.01) -- ROUGH M/CD FORGING OF SIZE OD-220 MM & TH. 40 MM ; QPA 1 NOS.  
FOR HW-290.05 : ROD DIA-125 ,SPECN. HW10683; L= 1235 MM . ; QPA 121 KG.

COMPLETE STELLITING AND MACHINING TO BE CARRIED OUT BY THE PARTY AS PER RESPECTIVE DRAWING. ROD SHALL BE ISSUED IN RUNNING LENGTH.

2. AFTER COMPLETE M/CING AS PER DRG., PARTY HAS TO RETURN THE FINISH AND M/CD ITEM TO BHEL-HERP STORES.

3. PRE DISPATCH INSPECTION SHALL BE CARRIED OUT AT PARTY'S WORKS BY BHEL REPRESENTATIVE AS PER DRAWING AND QP HW/SC/001 REV.01. FOR REVISION OF DRAWING/ STANDARD/ SPECIFICATION, PLEASE REFER THE ATTACHED DOCUMENT NO. "IND202411946", DURING INSPECTION.

(B) TECHNICAL DELIVERY CONDITION

1. PRECOATING MACHINING, STRESS RELIEVING, HARD FACING (HS-75125 or STELLITE) 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.

7. PARTY MAY USE EITHER HS75-25 OR STELLITE COATING AS PER FACILITY AVAILABLE WITH VENDOR (AS MENTIONED IN DRAWING.

(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. ITEM SHOULD BE SUPPLIED IN SUCH A WAY TO AVOID ANY TRANSIT DAMAGE.

(F) DELIVERY SHOULD BE WITHIN 5 MONTHS FROM THE DATE OF RECEIPT OF FREE ISSUE. HOWEVER, EARLY DELIVERY IS ACCEPTABLE.

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

(H) THE APPROXIMATE COST OF FREE ISSUE MATL. PER PIECE IS AS GIVEN BELOW:

FOR HW-165.43 : RS. 15120/--  
FOR HW-165.45 : RS. 99745.76/--  
FOR HW-165.61 : RS. 48640/--  
FOR HW-165.62 : RS. 110101.69/--  
FOR HW-165.63 : RS. 164934/--  
FOR HW-169.34 : RS. 38101/--  
FOR HW-169.35 : RS. 129661.02/--  
FOR HW-169.41 : RS. 59280/--  
FOR HW-169.89 : RS. 84745.76/--  
FOR HW-169.93 : RS. 20847.46/--  
FOR HW-172.71 : RS. 26398/--  
FOR HW-259.37 : RS. 138750/--  
FOR HW-278.95 : RS. 16919/--  
FOR HW-290.05 : RS. 45980/--

(I) THE DELIVERY PERIOD MENTIONED IN THE ENQUIRY IS CONSIDERING THE NORMAL MANUFACTURING CYCLE OF THE ITEMS. HOWEVER, AFTER PLACEMENT OF PO, BHEL MAY ASK VENDOR FOR DEFERRED DELIVERY, BASED ON THE END

CUSTOMER'S REQUIREMENT.

(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 BE 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) IMPORTANT NOTES REGARDING TERMS & CONDITIONS:

- (i) ALL OTHER TERMS AND CONDITIONS SHALL BE AS PER THE ATTACHED GTC (PARTY HAS TO STRICTLY ADHERE THESE TERMS & CONDITIONS).
- (ii) SPLITTING CLAUSE FOR THIS ENQUIRY IS NOT APPLICABLE.
- (iii) VENDOR MUST QUOTE THE PRICES CONSIDERING THE VALUE OF SCRAP GENERATED AS SCRAP IS TO BE RETAINED BY THE PARTY.
- (iv) TENDER WILL BE EVALUATED ITEM WISE i.e. L-1 WILL BE DECIDED FOR EACH INDIVIDUAL ITEM AND NOT ON TOTALITY BASIS.

**PQR (Turbine Spares)**

	<b>PQR Ref No: PQR/24-25/ Turbine Spares</b>	<b>Date: 23.08.2024</b>
	<b>Rev No: 00</b>	<b>Review Date:</b>
	<b>PQR Revision Date:</b>	<b>23.08.2024</b>
<b>Sl. No.</b>	<b>BHEL Terms</b>	<b>Supplier's Compliance YES/NO</b>
	<b>1 Offers are accepted from:</b>	
	1 Only Manufacturer's Offers shall be considered for the Tender Enquiry.	
	<b>2 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 Experience:</b>	
3.a	Bidders shall submit the necessary documents proving their Experience in Supplying same or similar nature items to any Power Plant equipment Manufacturer ( OEM- Original Equipment Manufacturer) (worldwide or within India) in last three years from the date of Enquiry. Documentary evidences to be submitted in the form of Customer's Purchase Order copies / Matl.Acceptance Report and item drawings/specs.. 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.	
	<b>4 Manufacturing Process Plan:</b>	
4.a	Bidders shall submit detailed Manufacturing process Plan along with the Technical Offer.	
	<b>5 Financial Capability:</b>	
5.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 will be 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.	
<b>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 correspondence will be entertained at later date.</b>		
Note-2: "Similar items" means items having same/similar manufacturing process,similar nature of use of item as that of enquired items etc.		