



BHARAT HEAVY ELECTRICALS LIMITED, JHANSI-284120

(A Govt. of India Undertaking)

Material Management

PQR & TECHNO-COMMERCIAL Mandatory Sheet for Enquiry No: E6500059

(Part-1)

Pre-Qualifying Requirement (PQR).

QUOTATION NO: DATE:

SUPPLIER'S NAME:

We have gone through all Special Remarks, Technical Specifications, "General Terms, and Conditions of Enquiry" and submitting offer as under:

Pre-Qualifying Requirement (PQR).		
Pre-Qualifying Requirement for BOW SHACKLE, GR-30 WITH SCREW PIN, EYE & COLLOR FOR 16/20 MT PI NO. 620200036		
SL. NO.	DESCRIPTION	VENDOR'S CONFIRMATION
1	Vendor should be GSTIN Registered vendor. Attach copy of self-attested copy of GSTIN Certificate	☐ YES ☐ SUBMITTED
2	Is vendor OEM or Dealer (PI Tick as applicable) In case the vendor is a dealer then, Valid Authorized Dealer Certificate from OEM to be submitted.	☐ OEM ☐ DEALER ☐ SUBMITTED
3	BHEL reserve the right to verify information submitted by vendor or call for sample DEMONSTRATION. In case the Information is found to be false / incorrect, OR sample TRIAL / PERFORMANCE not satisfactory the offer / item shall be rejected.	☐ Accepted

Sign of Authorized Signatory & Company's Seal :

Contact Detail: Name Cell No.: E-mail:



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(Part-1)

TECHNO-COMMERCIAL BID

QUOTATION No: DATE:

SUPPLIER'S NAME:

We have gone through all Special Remarks, Technical Specifications, "General Terms, and Conditions of Enquiry" and submitting offer as under:

SL	Particulars	Supplier's Confirmation												
1-	Complete acceptance for supply of items as per Purchase / Tech specification mentioned in the enquiry. Technical deviations, if any, are to be clearly brought out in offer itself. (Note: offers with technical deviations are liable for rejection)	☐ Accepted												
2-	Please mention the following details of the MAKE which will be supplied by the vendor: <table border="1"> <thead> <tr> <th>Enquiry Item No.</th><th>Make to be supplied by the Vendor</th><th>Authorized Dealer Certificate Attached (Yes/No)</th><th>Validity Date of the Authorized Dealer Certificate</th></tr> </thead> <tbody> <tr> <td>1</td><td></td><td></td><td></td></tr> <tr> <td>2</td><td></td><td></td><td></td></tr> </tbody> </table> <u>*The Authorized Dealer Certificate from the OEM will only be entertained.</u> <u>***In case valid Authorized Dealer Certificate from the OEM is not submitted your offer shall be rejected</u>	Enquiry Item No.	Make to be supplied by the Vendor	Authorized Dealer Certificate Attached (Yes/No)	Validity Date of the Authorized Dealer Certificate	1				2				
Enquiry Item No.	Make to be supplied by the Vendor	Authorized Dealer Certificate Attached (Yes/No)	Validity Date of the Authorized Dealer Certificate											
1														
2														
3-	We agree that our bid is liable to be rejected in case (a) the relevant information at Sl. No. 2 is not filled, (b) documentation is incomplete, (c) there are false declarations.	☐ Accepted												
4-	Acceptance to all special remarks and General Terms & Condition (GTC) of Enquiry (Rev-3) uploaded at: https://jhs.bhel.com/apps/sip/eng_terms/eng_tems_current.pdf (Note: Read the terms & condition carefully before quoting.)	☐ Yes												
5-	Guarantee / Warrantee / Conformance / Test Certificate as specified in enquiry will be provided along with supply.	☐ Yes												
6-	Delivery period from date of PO issue, will be 60 Day's (Beyond 60 Days Mandatory Sheet Clause SI No. 14 will be applicable)	☐ Accepted												
7-	Taxes & Duties: Extra as applicable & bidders to indicate following (a) Tarrif Head / HSN No. (b) Applicable GST (mention NA if not applicable) : ☐ IGST OR : ☐ CGST & SGST Each	☐ Accepted @ % @ %												
8-	Price Bid submitted as per attached price bid format only (Copy of blank price bid is to be submitted with techno-commercial bid).	☐ Yes												
9-	Acceptance to Delivery Terms on F.O.R BHEL Jhansi as per Clause-6(A) of GTC.	☐ Accepted												
10-	Acceptance to Pricing Terms as per Clause-11 of GTC.	☐ Yes												

Sign of Authorized Signatory & Company's Seal :

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11-	Acceptance for Prices on firm basis and no PVC is applicable.	☐ Accepted
12-	Acceptance to Price Validity of 120 days from date of bid Part-I opening.	☐ Yes
13-	Inspection of Goods to be done BY BHEL / TPI AT SUPPLIER'S WORKS &/or as per Clause-16 (A to D) of GTC.	☐ Accepted
14-	Acceptance to LD / Penalty for Delayed Performance (including Risk Purchase) as per Clause-8 (A to C) of GTC.	☐ Accepted
15-	Acceptance to Payment Terms as per Clause-15 (A) of GTC. Any deviation from the above payment terms, if accepted (by BHEL), shall be loaded @ SBI base rate (as on date of Part I bid opening) + 6%, for the purpose of bid evaluation.	☐ Accepted ☐ 90 days ☐ MSME
16-	Acceptance to Warranty, Corresponding Repairs / Replacement of Goods, and Deductions as per Clause-17(A) of GTC.	☐ Accepted
17-	The above terms and conditions shall be read in conjunction with BHEL's standard terms and conditions of Enquiry. Wherever difference in terms and conditions is there, the terms and conditions mentioned in this mandatory sheet shall prevail.	☐ Accepted
18-	In case of deviation in acceptance given on this sheet from anywhere in your offer, acceptance given in this mandatory sheet shall be treated as final.	☐ Accepted
19-	The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case, the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/ guidelines.	☐ Accepted
20-	Technical catalog to be submitted along with offer.	☐ Accepted
21-	TEST CERTIFICATE ISSUED BY COMPETENT PERSON FROM THE COMPETENT AGENCY (LIKE GOVT. TO / NABL LAB). BE SENT ALONG WITH SUPPLY OF MATERIAL.	☐ Accepted

Sign of Authorized Signatory & Company's Seal :

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Material Management**PQR & TECHNO-COMMERCIAL Mandatory Sheet for Enquiry No: E6500059****(Part-1)****BLANK PRICE BID****Supplier Name & Address:**

.....

Enquiry Item No.	Rate Per Unit (In Figure)	Rate Per Unit (In Word)
1	Quoted/ Not Quoted	Quoted/ Not Quoted
2	Quoted/ Not Quoted	Quoted/ Not Quoted

Note: The price bid submitted in any other fashion or by adding any condition (e.g. minimum order quantity, rates applicable for specified quantity, discount for quantity, rate based on slabs, rate based on terms of payment etc.), offer shall be straight way REJECTED even if, offer has been found technically & commercial acceptable before opening of price bid.

Sign of Authorized Signatory & Company's Seal :**Contact Detail: Name** **Cell No.:** **E-mail:**



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PQR & TECHNO-COMMERCIAL Mandatory Sheet for Enquiry No: E6500059

(Part-2)

PRICE BID

Supplier Name & Address:

.....

Enquiry Item No.	Rate Per Unit (In Figure) (Excluding GST)	Rate Per Unit (In Word) (Excluding GST)
1		
2		

Note: The price bid submitted in any other fashion or by adding any condition (e.g. minimum order quantity, rates applicable for specified quantity, discount for quantity, rate based on slabs, rate based on terms of payment etc.), offer shall be straight way REJECTED even if, offer has been found technically & commercial acceptable before opening of price bid.

Sign of Authorized Signatory & Company's Seal :

Contact Detail: Name **Cell No.:** **E-mail:**

बी एच ई एल BHEL	CORPORATE STANDARD	AA7248106 Rev. No.01 PAGE 1 of 3			
BOW SHACKLES-GRADE 30					
1.0 SCOPE This standard covers Bow shackles of grade 30 having screwed pin with eye and collar, suitable for safe working load (SWL) for 1 to 63 tonnes.					
2.0 DESIGNATION A bow shackle of grade 30, suitable for safe working load of 2 tonnes shall be designated as					
2.1 On Drawings i) Material specification column : AA7248106 ii) Description column : BOW SHACKLE, GR. 30, SWL – 2T					
2.2 For placing indents on purchase BOW SHACKLE GRADE 30, SWL-2T; AA7248106					
2.3 For issuing enquiries and placing purchase orders While issuing enquires and purchase orders, delete BHEL standard number from above description and add the information given under clause 3.0.					
3.0 COMPLIANCE WITH STANDARDS					
3.1 DIMENSIONS, FINISH, TOLERANCE AND GENERAL REQUIREMENTS As per IS: 6132-1972, Part 1 & 2					
3.2 MATERIAL The body and the pin of the bow shackles shall be manufactured from the carbon steel conforming to IS: 1875-1992, class 2 having minimum tensile strength of 410 N/mm² (42 kgf/mm²).					
3.3 HEAT TREATMENT All bodies and pins of the bow shackles shall be heat treated as specified in IS: 6132, Part 1.					
3.4 HARDNESS: 120 to 170 HB					
3.5 TYPE OF PIN: Screwed pin with eye and collar.					
3.6 THREADS: Coarse pitch to IS: 4218, part 2-2001					
3.7 MARKING: As stated in IS: 6132, part 1.					
Revisions: Clause 26.03 of MOM of MRC-SMC+RP		APPROVED: INTERPLANT MATERIAL RATIONALISATION COMMITTEE – MRC(SMC+RP)			
Rev. No.01 Dt:15-12-2003	Amd. No. Dt:	Reaffirmed Year:2015	Prepared HEP, Bhopal	Issued Corp. R&D	Dt. of 1st Issue 01-02-1978

4.0 TEST CERTIFICATES

Manufacturer shall supply with each batch of material, three copies of test certificates containing the following information:

In addition, the supplier shall ensure to enclose one copy of the test certificate along with their despatch documents to facilitate quick clearance of the material.

For each batch:

AA7248106, Rev 01: BOW SHACKLES-GRADE 30

BHEL order No.

Date of testing

No. & Size

Hardness range

Mechanical properties, Tensile strength & % of elongation

Details of heat treatment

Manufacturer's name

For each item:

Manufacturer's identification No.

Safe working load (kg)

Proof load applied

5.0 PROOF LOAD

As specified in IS: 6132, Part 3, each bow shackle after manufacture and subsequent heat treatment shall be subjected to a proof load at the centre of the pin as per table-2. IS: 6132, part 3 which it shall withstand without showing permanent set. After removal of the proof load each shackle shall be thoroughly examined and shall be accepted only if found free from visible flaw or defect.

6.0 MAXIMUM LOAD

It is recommended that for normal conditions of use, the maximum load for any Bow shackle shall not exceed the safe working load.

7.0 PRECAUTIONS

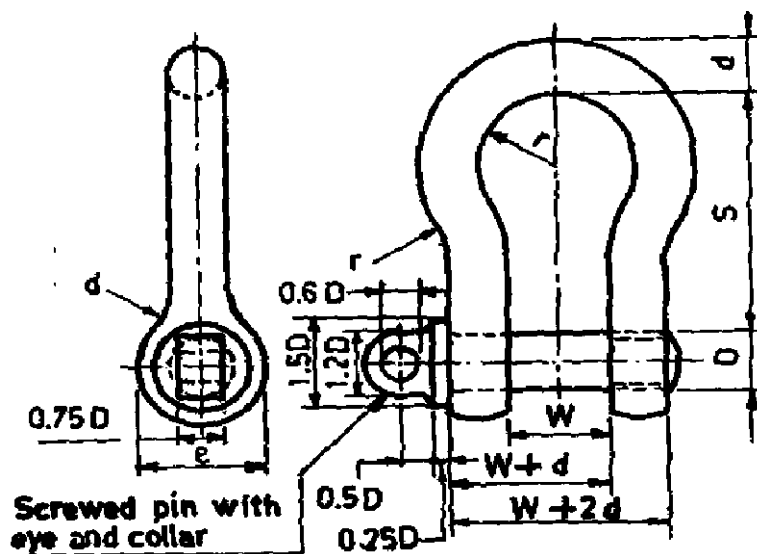
Periodical inspection/examination shall be done of bow shackles and when the threads show signs of damage or the bow shows appreciable bruising, the bow shackle shall be scrapped.

8.0 REFERRED STANDARDS (Latest publications including amendments)

Nil

Note:

- Corporate sub-codes are shown against corporate rationalized sizes.
- Sizes used by individual plants are covered in annexure along with complete code numbers.
- Weights given in the table, are for general reference only and are not meant for commercial transactions.



All dimensions in mm

Safe Working Load Tonnes	Jaw inside width W	Inside length S=2.5W	Bow Dia. 2r=1.7W	Body material dia. d	Pin dia. D Min.	Eye outside Dia. e Min.	Weight (approx.) per piece kg	Sub Code
1.0	22	55	37	14	16	32	1.5	011
1.25	25	63	42	16	19	38	1.8	
1.6	28	70	48	18	20	40	2.8	
2.0	32	80	54	20	22	44	3.2	046
2.5	36	90	61	23	26	52	3.5	
3.2	40	100	68	25	28	56	4.0	
4.0	45	110	76	28	31	62	4.5	
5.0	50	125	85	32	35	70	6	089
6.3	56	140	95	36	39	78	8.5	
8.0	63	155	105	40	44	88	12	
10.0	70	175	120	45	50	100	13	
12.5	80	200	135	50	55	110	14	
16.0	90	225	155	58	62	124	17	
20.0	100	250	170	63	69	138	25	
25.0	107	270	180	68	77	154	28	
32.0	117	295	200	75	82	164	31	
40.0	130	325	220	85	91	182	34	
50.0	140	350	240	88	98	196	38	
63.0	155	390	265	95	110	220	42	