

**Minimum Technical Qualifications Required for supplying Retaining Ring Forging Grade  
Grx4Cr Ni Mn Mo N19138 as per BHEL spec BP19383**

Ref no: AME/ATQ/RETRING/01

Date: 30-01-2023

Following are the mandatory requirements. Offers of vendors not meeting these requirements will not be considered

S.N	Description of pre-qualification requirement	Supporting Documents required	Complied (Yes / No)																		
1.	<p>Vendor must have manufactured and supplied at least 3 retaining ring forgings in material grade X4Cr Ni Mn MoN19138 by hot forging + heat treatment process. Out of these retaining ring forging, at least one retaining of dimension Outer diameter : <math>\geq 400</math> mm, Inner Diameter: <math>\geq 350</math> mm and Height: <math>\geq 140</math> mm must have been manufactured and supplied by vendor.</p>	<p>In support of above, the vendor has to furnish details of 3 retaining ring supplies in the following format:</p> <table><tr><td rowspan="5">Retaining ring</td><td rowspan="5">Steel Grade: <a href="#">Stainless Steel Forgings</a> <a href="#">Grx4Cr Ni Mn Mo N19138</a></td><td colspan="3">Dimension (in mm)</td><td rowspan="5">Name of Customer/ Year of supply</td></tr><tr><td>OD</td><td>ID</td><td>HT</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table> <p>This should be accompanied by Self-declaration (seal signed by authorized signatory on Company's letter head) giving purchase order reference, purchase order date, customer name, quantity supplied and supply date.</p> <p>Test certificate of retaining ring for all the three cases must be submitted with offer.</p>	Retaining ring	Steel Grade: <a href="#">Stainless Steel Forgings</a> <a href="#">Grx4Cr Ni Mn Mo N19138</a>	Dimension (in mm)			Name of Customer/ Year of supply	OD	ID	HT										
Retaining ring	Steel Grade: <a href="#">Stainless Steel Forgings</a> <a href="#">Grx4Cr Ni Mn Mo N19138</a>	Dimension (in mm)			Name of Customer/ Year of supply																
		OD				ID	HT														
2.	<p>a. Vendor must have in-house forging/ring rolling, heat treatment and cold expansion facility to manufacture retaining ring forging of material grade <b>X4Cr NI Mn MoN19138</b> of drawing dimension. Retaining ring forging has to be manufactured by forging plus heat treatment.<sup>#</sup> <b># Any other process of manufacturing is not acceptable. Outsourcing of any of the above process is not acceptable.</b></p> <p>b. Electro slag re-melted steel shall be used.</p>	<p>Details of in-house manufacturing facilities are to be submitted with offer. Supplier to give Self declaration (seal signed by authorized signatory on Company's letter head) mentioning list of relevant manufacturing facilities owned by the manufacturer.</p> <p>Supplier to provide Self declaration (seal signed by authorized signatory on Company's letter head) containing details of in-house melting including Electro Slag Re-melting facility. At least one mill test certificate of material grade <b>X4Cr NI Mn MoN19138</b> manufactured in house to be submitted.</p> <p><b>In case in-house steel melting facility not available</b>, vendor to provide details of steel supplier with their manufacturing facility and experience for material grade <b>X4Cr NI Mn MoN19138</b></p>																			

3.	<p>a)The Manufacturer, preferably should have in-house testing facilities to conduct tests as per QAP Plan QA/MT/BOI/099 Rev.00</p> <p>b) If any facility of particular testing is not available in-house then Manufacturer to Outsource labs/firms for testing.</p>	<p>a) Self declaration (seal signed by authorized signatory on Company's letter head) giving details of in-house testing facilities. Test certificates shall cover chemical composition, mechanical properties, dimensional report, non-destructive test report etc. Testing shall be witnessed by BHEL as per QA/MT/BOI/099.</p> <p>b) In case of outsourcing of testing, vendor to agree to test in government/international accreditation agency approved labs.</p>	
4.	Vendor to confirm supply shall be as per BHEL enquiry drawing and specification. Vendor to sign each page of BHEL specification, drawing and QA plan for compliance and submit with offer.		

**Note:-**

1. Compliance of PQR (Sl.-01 to 04) is mandatory. In absence of compliance of above, vendor's offer may be rejected.
2. Offers of vendors who or whose OEM is on BHEL MISCC/unit/corporate level hold or banned/debarred, will not be considered.
3. BHEL reserves the right to ask for additional documents (if required) to verify the information declared by Vendor. In case the information submitted is found false or incorrect, the offer will be rejected and the action as per extant guideline shall be taken.
4. BHEL reserves the right to accept the offer in part or in full or cancel the tender enquiry without assigning any reason.
5. All T&C shall be governed as per BP200102. In case of discrepancies, T&C mentioned as above will be considered.