

Corrigendum**ANNEXURE-II O (Revised)****Rev: 01****Pre- Qualification Requirements****➤ Technical Requirements-**

Item : Round Bars of different diameters as per indent
Material Grade : X22CrMoV121 (Material No. 1.4923, EN10269)
BHEL Specification : HW10683, Rev 03

Sl. No.	Technical Requirement	Vendor's confirmation (Y/N)																								
1.	Experience Requirement: (i) Vendor must have experience of manufacturing and supplying forged or rolled round/flat bars of material grade X22CrMoV121 (material no. 1.4923). Material supplied in hardened and tempered condition only will be considered for experience. Vendor must meet any one of the following experience criteria in grade X22CrMoV121 during last 7 years as on date of enquiry: a) Successfully executed at least three orders Or b) Supplied minimum 10 Tons Or c) If vendor successfully executed at least one purchase order in material grade X22CrMoV121 but not meeting the condition a) & b) above, then vendor to carry out process qualification as per clause 12.0 of enquiry specification from their manufactured material. The test is to be witnessed by 3rd party and results should satisfy the specification requirement. Test results is to be submitted with offer. In support of above vendor to submit experience details, as applicable, preferably as per format below: <table border="1"> <thead> <tr> <th>Sl. No.</th><th>Name of customer</th><th>Purchase order number</th><th>Size</th><th>Date of Supply</th><th>Quantity</th></tr> </thead> <tbody> <tr> <td>1</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>2</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>3</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> As documentary evidence, vendor to submit test certificates covering chemical composition, heat treatment, mechanical properties, dimensional details, process qualification test result (if applicable). The correlation of test certificates with purchase order referred in support of experience has to be ensured by vendor.	Sl. No.	Name of customer	Purchase order number	Size	Date of Supply	Quantity	1						2						3						
Sl. No.	Name of customer	Purchase order number	Size	Date of Supply	Quantity																					
1																										
2																										
3																										
2.	Manufacturing and Testing Facilities: a) Vendor must have in-house manufacturing facilities like steel melting, rolling / forging, heat treatment etc. to manufacture round bars as per BHEL specification HW10683 and enquiry size. Outsourcing of any of above operation is not acceptable. Details of the manufacturing facilities like steel melting including secondary refining, rolling / forging, heat treatment etc. shall be provided with offer. b) Vendor to furnish in house testing facilities to carry out testing as per the requirements of BHEL specification HW10683. In case of outsourcing of any test, vendor to confirm to carry out testing at Government accredited labs only.																									
3.	Vendor to confirm that they will meet all the requirements of BHEL specification HW10683, Rev 03 and all cross referred standards.																									
Note- 1. Above are mandatory qualification requirements. Offers of vendors not meeting these requirements will not be considered. 2. This is applicable for both registered as well as un-registered vendors.																										

➤ Quality Requirements-

Sl. No.	Quality Requirement	Vendor's confirmation (Y/N)
01	For Foreign Vendors- Testing & certification as per ordering standard/ specification. For Indigenous Vendors- Inspection by BHEL nominated agency TUV, as per Quality Plan no. QA/CF/QP/367/OT, rev 00.	
Note- This is applicable for both registered as well as un-registered vendors.		

Signature with stamp**Name:****Name of Firm:****Designation:****Date:**

ANNEXURE-II T (Revised)**Rev: 01****Pre- Qualification Requirements****➤ Technical Requirements-**

Item : Round Bars of different diameters as per indent
BHEL Specification : HW10662, Rev 02

Sl. No.	Technical Requirement	Vendor's confirmation (Y/N)																								
1.	Minimum experience requirement: Vendor must have experience of manufacturing and supplying forged/rolled bars of material grade X10CrMoVNb9-1 (material no. 1.4903). Material supplied in hardened and tempered condition only will be considered for experience. Vendor must meet any one of the following experience criteria in grade X10CrMoVNb9-1: a) Successfully executed at least three orders Or b) Supplied minimum 5 Tons Or c) Executed at least one order and having Creep Rupture data for minimum 1000hrs. Creep Rupture data/ Creep test results has to be submitted with offer. In support of above vendor to submit experience details as applicable as per format below: <table border="1"> <thead> <tr> <th>Sl. No.</th><th>Name of customer</th><th>Purchase order number</th><th>Size</th><th>Date of Supply</th><th>Quantity</th></tr> </thead> <tbody> <tr> <td>1</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>2</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>3</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> Documentary evidence (like un-priced purchase order copy, test certificate covering chemical & mechanical properties, heat treatment details, dimensions, Creep data etc.) in support of experience to be submitted for material grade X10CrMoVNb9-1.	Sl. No.	Name of customer	Purchase order number	Size	Date of Supply	Quantity	1						2						3						
Sl. No.	Name of customer	Purchase order number	Size	Date of Supply	Quantity																					
1																										
2																										
3																										
2.	Manufacturing and Testing Facilities: a) Vendor must have in-house manufacturing facilities like steel melting, rolling / forging, heat treatment etc. to manufacture round bars as per BHEL specification HW10662 and enquiry size. Outsourcing of any of above operation is not acceptable. Details of the manufacturing facilities like steel melting including secondary refining, rolling / forging, heat treatment etc. shall be provided with offer. b) Vendor to furnish in house testing facilities to carry out testing as per the requirements of BHEL specification HW10662. In case of outsourcing of any test, vendor to confirm to carry out testing at Government accredited labs only.																									
3.	Process Qualification: Vendor to submit process qualification test results as per Clause 11.0 (hot tensile test and microstructure examination as per Clause 11.2.1 and 11.2.3), if available. If process qualification test results not available, vendor to carry out process qualification tests (hot tensile test and microstructure examination as per Clause 11.2.1 and 11.2.3) and satisfy the requirement of specification. Vendor to submit process qualification test results with offer. Process qualification test results must be witnessed by Customer/Third Party Inspection agency.																									
4.	Vendor to confirm that they will meet all the requirements of BHEL specification HW10662, Rev 02 and all cross referred standards.																									
Note- 1. Above are mandatory qualification requirements. Offers of vendors not meeting these requirements will not be considered. 2. This is applicable for both registered as well as un-registered vendors.																										

➤ Quality Requirements-

Sl. No.	Quality Requirement	Vendor's confirmation (Y/N)
01	For Foreign Vendors- Testing & certification as per ordering standard/ specification. For Indigenous Vendors- Inspection by BHEL nominated agency TUV, as per Quality Plan no. QA/CF/QP/332, rev 03.	
Note- This is applicable for both registered as well as un-registered vendors.		

Signature with stamp**Name:****Name of Firm:****Designation:****Date:**