



Power Sector – PEM Noida

**Technical Pre - Qualification
Requirements**

(For Open/Global Tender)

**To be read in conjunction with PEM
General PQR**

Project: 3X660 MW North Karanpura STPS

Package: FQA LAB MECHANICAL

**DEPARTMENT: Mechanical Auxiliary
Engineering**

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- 1) Bidders should be the Original Equipment Manufacturer (OEM) / Authorized dealer of OEM of any one of the machine / equipment as mentioned below and having testing facility (in house or outsourced).

S. No.	Machine Name	Machine Specification
1	D-Meter-Digital (Ultrasonic Thickness gauge)	Ultrasonic thickness gauge machine having range 1 mm to 150 mm thickness range.
2	Ultrasonic testing machine	High Performance Ultrasonic flaw detector.
3	Helium Leak Detector	Leak rate 1.0×10^{-2} to 1.0×10^{-5} mbar lit / Sec
4	Hardness Tester (Portable type)	Hardness range for steel and cast steel-80-400 BHN (Brinell) , SS - 85-400 BHN
5	XRF metal Analyser (Handheld)	Hand Held metal analyser. Miniature X ray tube.
6	Ultimate Tensile Testing machine (UTM)	Range 8 Ton

- 2) Product/package should have been successfully in use for at least one year in power plant or other industries e.g. refinery/steel/process/commercial etc. For this the supplier has to submit either of following supporting documents meeting above mentioned pre-qualifying requirement.
- I) Copy of minimum one performance certificate from end user specifying that the product is running successfully for 1 year from date of commissioning.
- OR
- II) Minimum two customer's / third party inspection reports along with purchase order / work order / LOI copy meeting the minimum pre-qualifying requirement.
- OR
- III) Minimum two purchase orders / work order / LOI from same purchaser meeting the minimum pre-qualifying requirement.

NOTES:-

- a) Vendor shall submit design documents to substantiate technical parameters specified in PQR, if the same is not mentioned in performance certificate.
- b) In case documents submitted for meeting PQR are in language other than English, notarized English translation shall also be submitted.



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- c) Notwithstanding anything stated above, BHEL reserves the right to assess the capabilities and capacity of the bidder/collaborators to perform the contract, as per BHEL evaluation procedure, should the circumstances warrant such assessment in the overall interest of BHEL.
- d) Final acceptance of bidder is subject to End Customer's approval.
