

BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM:: HYDERABAD-502032
PUMPS ENGINEERING DEPARTMENT

TECHINCAL PRE-QUALIFICATION REQUIREMENTS

Impeller castings for Boiler Feed Pump:

S.No	REQUIREMENT	ACCEPTANCE	REMARKS
1	Castings shall be manufactured using lost wax method/investment casting method	Facility shall be available In-house.	Complete details of the facility describing in detail, the entire casting process shall be furnished. Photographs supporting the same shall be provided.
2	Die design and manufacture	Shall be available in-house or tie-up with a third party having experience in similar work	Permanent Aluminum Die shall be manufactured & adequately preserved. Die charges for initial development shall be paid by BHEL. The same die shall be used for all subsequent castings unless any modifications insisted by BHEL. Documents shall be furnished in case of tie-up with third party. Photographs of die which are similar to the enquiry item, earlier manufactured shall be provided.
3	Material specifications of earlier supplied similar kind of castings	BHEL specification or equivalent national or international standard.	Un-priced Purchase order indicating the material specification shall be furnished
4	End users of the earlier produced castings	At least 1 pump manufacturer to whom the casting is supplied	Un-priced Purchase Order be furnished
5	Shape and geometrical construction of earlier produced castings	At least one similar casting should have been supplied	Drawings of castings produced shall be furnished
6	Weight of single piece casting supplied earlier	More than or equal to the required casting weight	Documents shall be furnished
7	Size of single piece casting supplied earlier (LxBxH/Dia)	More than or equal to the required size of castings	Documents shall be furnished

S.No	REQUIREMENT	ACCEPTANCE	REMARKS
8	Inspection agencies for earlier supplies	Lloyds / TUV/NTPC / BHEL or BHEL TPIA	Copies of certificates shall be furnished
9	Heat treatment facilities	Shall have in-house or tie-up with third party for required heat treatment processes like hardening, tempering and stress relieving etc. for the required size of the casting. The HT furnaces shall have facility to generate HT charts on auto.	Documents for in-house or tie-up shall be furnished.
10	Power back up for HT furnaces	Power back for the HT furnace required for the size of the casting. (OR) Protections/precautions taken to ensure the casting properties in the event of power failure	Documents / Technical details shall be furnished
11	Machining facilities	Shall have in-house machining facilities or tie-up with a third party having required machinery for machining the castings as per drawing dimensions	Details of machinery in-house /or at the tied up party shall be furnished
12	NDT facilities	Shall have in-house facilities for LPI, MPI, UT & RT. Or tie-up with a third party having experience in similar	Details of in house facilities/facilities at the tied up party including the certified inspectors shall be furnished
13	Power back up for main furnaces, for melting and pouring	Shall have Power back up for the main furnace to ensure uninterrupted melting/pouring of required size of the casting (OR) Protections/precautions taken to ensure the casting properties in the event of power failure	Documents / Technical details shall be furnished

NOTE:

The Suppliers not meeting the above criteria OR not having submitted the required documents will be disqualified.




GENERAL INFORMATION TO SUPPLIERS

Supplier shall submit the following filled up FORMS along with required enclosures:

- 1) Supporting documents as per PQR acceptance criteria.
- 2) Indian & Foreign suppliers:

Vendor shall apply online through <https://suppliers.bheltry.co.in> for registration.

(Supplier Evaluation, Approval & Review Procedure, available at www.bhel.com)

NOTE:

The Suppliers not meeting the above criteria OR not having submitted the above required documents will be disqualified.

OFFERS WILL BE EVALUATED AS FOLLOWS:

The offers will be reviewed with respect to the Technical Pre-Qualification Requirements. The offers which do not meet the requirement will be disqualified and will not be processed further. The technically qualified offers will only be processed further.

- 1) Offers of Indian & Foreign suppliers :

The filled up Supplier Registration Forms of the technically qualified Suppliers will be evaluated as per the procedure stipulated in 'Supplier Evaluation, Approval & Review Procedure-2010'.

- 2) Technical scrutiny of Offers :

- a) The offers qualified as per PQR will be taken up technical scrutiny.
- b) The technical offers will be scrutinized as per specifications and drawing requirement.
- c) The Supplier Registration Forms of technically suitable offers at (2) or (3) above will be evaluated by MISCC in line with Supplier Evaluation, Approval & Review Procedure-2010.
- d) Final Recommendation will be given by MISCC to include the Suppliers in PMD and for ordering the subject items.

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