

BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM: HYDERABAD-502032

PUMPS ENGINEERING DEPARTMENT
TECHINICAL PRE-QUALIFICATION REQUIREMENTS
ACCEPTANCE CRITERIA

IMPELLER CASTING:

S.No	REQUIREMENT	ACCEPTANCE	REMARKS
1.	Similar material grade and composition of earlier supplied castings.	BHEL specification or equivalent national or international standard.	Stores material acceptance receipt from the OEM, indicating the supplied material specification shall be furnished.
2.	End users of the earlier supplied castings	At least one pumps OEM to whom the casting is supplied.	Un-priced Purchase Order along with Stores material acceptance receipt from the OEM be furnished.
3.	Shape and geometrical construction of earlier supplied castings.	At least one similar casting should have been supplied.	Sample drawings of castings shall be furnished.
4.	Weight of single piece casting supplied earlier.	Equal to or greater than the enquiry material weight.	Relevant document shall be furnished.
5.	Size of single piece casting supplied earlier (LxBxH).	Equal to or greater than the enquiry material dimensions.	Relevant document shall be furnished.
6.	Inspection agencies for earlier supplies.	Lloyds / TUV/NTPC / BHEL or BHEL approved TPIA.	Inspection certificates shall be furnished.
7.	Pattern design and manufacture.	In-house facility or tie-up with a third party having experience in similar work.	In case of tie-up with third party, sample pattern drawing used for earlier supplied castings, Sl. No. 2 shall be furnished.
8.	Heat treatment facilities.	In-house test facility for 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.	Furnace capacity, sample HT charts generated for earlier supplied castings shall be furnished.

S.No	REQUIREMENT	ACCEPTANCE	REMARKS
9.	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.	Relevant technical details and documents substantiating the acceptance criteria shall be furnished.
10.	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 in-house machinery / third party shall be furnished.
11.	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 facility / third party shall be furnished including the details of certified inspectors.

NOTE:

The offers of suppliers not meeting the above criteria (or) having not submitted the above indicated documents shall not be considered for technical evaluation.

General information to suppliers:

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

- 1) Filled up Technical Pre-Qualification Requirements
- 2) Indian suppliers: Filled up Supplier Registration Form No. SRF(I)01(INDIAN SUPPLIER)
Filled up formats of Part-A, Part-B & Part-C of Annexure-II, of Document no. AA: MM: SR: 01, Rev-01.
(Supplier Evaluation, Approval & Review Procedure-2010, available at www.bhel.com)
- 3) Foreign suppliers: Filled up Supplier Registration Form No. SRF(F)01(FOREIGN SUPPLIER)
Filled up formats of Annexure-III, of Document no. AA: MM: SR: 01, Rev-01.
(Supplier Evaluation, Approval & Review Procedure-2010, available at www.bhel.com)

Offers will be evaluated as follows:

- 1) 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.
- 2) Offers of Indian 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'.
- 3) Offers of 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'.
- 4) 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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