

BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM:: HYDERABAD-502032

PUMPS ENGINEERING DEPARTMENT

TECHINICAL PRE-QUALIFICATION REQUIREMENTS

ACCEPTANCE CRITERIA

Concrete Volute type CW Pump Impeller (MOC: SUS 403Q):

Sheet 1 of 4

SL. NO.	REQUIREMENT	ACCEPTANCE	REMARKS
1.	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
2.	End users of the earlier produced castings	At least the casting would have been supplied to one pump manufacturer.	Un-priced Purchase Order to be furnished. Documentary evidence of actual supply and acceptance of the casting by customer.
3.	Shape and geometrical construction of earlier produced castings	At least one similar casting should have been supplied	Drawings of castings produced shall be furnished
4.	Weight of single piece casting supplied earlier	At least 80% of the required casting weight should have been supplied.	Documents shall be furnished
5.	Inspection agencies for earlier supplies	Lloyds / TUV/NTPC / BHEL or BHEL TPIA	Copies of certificates shall be furnished
6.	Pattern design and manufacture	Shall be available in-house or tie-up with a third party having experience in similar work	Documentary evidence shall be furnished.
7.	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 pertaining to facilities at in-house or at tied-up parties shall be furnished.

SL.NO.	REQUIREMENT	ACCEPTANCE	REMARKS
8.	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
9.	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
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 facilities/facilities at the tied up party including the certified inspectors shall be furnished
12.	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 submitted the required documents will be disqualified.

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

- 1) Supporting documents as per PQR acceptance criteria.
- 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, 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, available at www.bhel.com)

NOTE:

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

PROCEDURE FOR EVALUATION OF OFFERS FOR CV-CWP Impeller:

The offers will be submitted as two part bid system i.e., Techno –commercial offer including PQR and price offer.

Initially, only techno – commercial offer will be opened for scrutiny.

Offers will be evaluated as follows:

(A) Techno – commercial offer:

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.

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.

4) Technical scrutiny of Offers:

a) The offers qualified as per PQR will be taken up for technical scrutiny.

b) The technical offers will be scrutinized as per specification 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.

(B) Price offer:

a) The price bids shall be opened of those vendors only who will be approved by BHEL as per above point (A) 4.

Sd/-

K.Hari Rama Krishna

AGM/Pumps Engg & Tech