

BHARAT HEAVY ELECTRICALS LIMITED

RAMACHANDRAPURAM::HYDERABAD-502032

PRE-QUALIFICATION REQUIREMENTS (PQR)

A. TECHNICAL PREQUALIFICATION REQUIREMENTS & ACCEPTANCE CRITERIA

Tender Enquiry no Date & Due Date:		F5A1S88057 dated 11.05.2019			
Item Description		BFP impeller castings for Patratu project.			
SL. NO.	REQUIREMENT	ACCEPTANCE	Documentary proof	Vendor Confirmation Yes/No	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 Aluminium 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	Atleast 1 pump manufacturer to whom the casting is supplied	Un-priced Purchase order be furnished.		

5	Shape and geometrical construction of earlier produced castings.	Atleast 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.		
8	Inspection agencies for earlier supplied	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 or 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 submitted the required documents will be disqualified.

B. General information to suppliers

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

Sno	Document Description	Vendor Confirmation Yes/No	Remarks
1)	Filled up Technical Pre-Qualification Requirements along with supporting documents as specified in A above.		
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 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-2010. d) Final Recommendation will be given by MISCC to include the Suppliers in PMD and for ordering the subject items.