

**BHARAT HEAVY ELECTRICALS LIMITED**  
**RAMACHANDRAPURAM:: HYDERABAD-502032**

**PUMPS ENGINEERING DEPARTMENT**  
**TECHNICAL PRE-QUALIFICATION REQUIREMENTS**

Item: **CASTINGS FOR PUMPS**

**PROCEDURE FOR EVALUATION OF OFFERS FOR OPEN TENDERS**

The offers will be submitted as two part bid system i.e., Techno-commercial offer including PQR (Part-1) and price offer (Part-2).

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


Offers will be evaluated as follows:


**(A) Techno – commercial offer (Part-1):**

- 1) The Pre-qualification requirements and credentials as per the table in Annexure-1 will be evaluated and only those offers passing this evaluation will be considered.
  - (a) For the items, which are not listed in the customer approved vendor list, the offers passing the BHEL PQR evaluation only will be considered for Technical evaluation.
  - (b) For the items, which are listed in the customer approved vendor list, the credentials of those vendors not figuring in the customer approved list will be further forwarded to our end customer for their approval. The offers of those vendors who will be approved by customer only will be considered for Technical evaluation.
- 2) Technical scrutiny of Offers: The offers meeting the PQR and technical requirements will only be considered for further processing.

**(B) Price offer (Part -2) :**

The price bids shall be opened of those vendors only who will be approved by BHEL/customer as per above.

  
(Suresh Kumar)

  
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SL. No.	REQUIREMENT	ACCEPTANCE	REMARKS
1.	Material specifications of earlier supplied 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 1 pump manufacturer to whom the casting is supplied	Un-priced Purchase Order be furnished
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	More than or equal to the required casting weight	Documents shall be furnished
5.	Size of single piece casting supplied earlier (LxBxH/Dia)	More than or equal to the required size of castings	Documents shall be furnished
6.	Pattern / Die design and manufacture	Shall be available in-house or tie-up with a third party having experience in similar work	Documents shall be furnished in case of tie-up with third party
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 for in-house or tie-up shall be furnished.
8.	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
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	Documents / Technical details 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/PO requirement	Details of machinery in-house /or at the tied up party shall be furnished
11.	Quality Assurance facilities	Vendor must have quality assurance facilities / systems to check for conformance of its job work and raw materials with BHEL specification and standards.	Quality documents of past procurements to be furnished.
12.	a) Mechanical & Chemical testing facilities b) NDT facilities	Shall have in-house facilities Or tie-up with a third party having experience in similar jobs	Details of in house facilities/facilities at the tied up party including the certified inspectors shall be furnished
13.	Inspection agencies for earlier supplies	Lloyds / TUV/NTPC / BHEL or BHEL TPIA	Copies of certificates shall be furnished

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

*(Suresh Kumar)*

*(Signature)*  
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