

# TECHNICAL PRE-QUALIFICATION REQUIREMENTS

For MECHANICAL SEALS of 3x800MW PATRATU STP

Sheet 1 of 3

| <b>ACCEPTANCE CRITERIA</b> |                                                                                                                                           |                                                                                                                                                                                                               |                                                                                                                                                                |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SL.NO.</b>              | <b>REQUIREMENT</b>                                                                                                                        | <b>ACCEPTANCE</b>                                                                                                                                                                                             | <b>REMARKS</b>                                                                                                                                                 |
| 1                          | Similar seal for boiler feed water pump application with operating conditions similar to or severe than those indicated in specification. | Supply of similar or superior Mechanical Seal for Boiler Feed Pumps to at-least two 800MW and above rating Thermal power stations, which are in satisfactory operation for a minimum period of one year each. | a) Reference List of supplies made so far.<br>b) Un-priced PO copies of the two reference supplies.<br>c) End-user certificates of the two reference stations. |
| 2                          | Design and Engineering capability for designing of suitable Mechanical Seal to meet BHEL specification requirements                       | Vendors must have exclusive engineering and design capabilities<br><br>or<br>Technical tie-up with world renowned Mechanical Seal OEMs                                                                        | Detailed report of Design methods adopted<br><br>or<br>Proof of collaboration if any to be furnished.                                                          |
| 3                          | Manufacturing facilities                                                                                                                  | Vendor must have manufacturing facilities for similar size or higher size of Mechanical Seals.                                                                                                                | Detail list of Manufacturing facility shall be furnished.                                                                                                      |
| 4                          | Testing facilities                                                                                                                        | Vendor must have required testing facilities to carry out routine and type tests at seal operating conditions on Mechanical seals, similar in size.                                                           | a) Test facility details.<br>b) Customer approved test procedure.<br>c) Test report.<br>The above to be furnished.                                             |
| 5                          | Inspection agencies for earlier supplies                                                                                                  | Lloyds / TUV / NTPC / BHEL / SGS / BHEL TPIA or any other International/ Indian inspection agency.                                                                                                            | Copies of earlier inspection certificates to be furnished.                                                                                                     |
| 6                          | Service after Sales & supply of spare parts                                                                                               | Availability of service center and technical experts to meet the after Sales service requirements for the supplied equipment at project sites.                                                                | Details of the service centers and technical expertise to be furnished.                                                                                        |

(PQR for Mechanical Seals cont.....)

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](http://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](http://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 MECHANICAL SEALS

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

Initially, 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.

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 credentials of technically qualified vendors shall be forwarded to customer for addition of their name in customer approved vendor list.

(B) Price offer:

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