

**BHEL PEM – MECHANICAL PIPING & LAYOUT
SPECIFIC PRE – QUALIFYING REQUIREMENTS (PQR) FOR SUBMITTING
TECHNICAL OFFER FOR SUPPLY OF METAL EXPANSION BELLOWS FOR 2X660
MW SURATGARH STPP AGAINST THE GLOBAL ENQUIRY.**

Package: METAL EXPANSION BELLOWS

1. The bidder should have designed, manufactured, tested, inspected and supplied metal expansion bellows (Gimbal / Hinged) with minimum size of 1800 NB.
2. Product/package should have been successfully in use for at least two years in power plant or having similar applications in other industries. Bidders to meet PQR for minimum size of 1800 NB for Gimbal or Hinged bellows. For this the bidder has to submit either of following supporting documents:
 - i. Copy of minimum two performance certificate along with copy of related Purchase Order and customer approved drawings from different End-user or Customer specifying that the product is running successfully for 2 years from date of commissioning.
 - ii. Minimum two purchase orders (placed with a minimum gap of 2 years from date of supply of first order and placement of second order) from two different Customer or Purchaser.
 - iii. One performance Certificate as per sl. No. (i) above and minimum two purchase orders (placed with a minimum gap of 2 years from date of supply of first order and placement of second order) from same Customer or Purchaser as per sl. No. (ii) above.

The bidder to submit relevant documents such as MDCC/MRC/LR copy or other supporting documents which confirms the successful execution and delivery of order.

3. Bidder's experience list for this package in the attached format as per Annexure-2.
4. The bidder should have in-house facilities for carrying out all tests as per BHEL QP requirement, which is enclosed with the technical specification. In case the bidder does not have the above testing facilities, he shall have a permanent tie up for the testing with any Govt. approved lab or test house or third party inspection of TUV/Lloyd/BVQI etc.
5. The bidder shall have well established quality systems in the company and shall be able to demonstrate the implementation of same. ISO certification in this regard shall be considered for preference.
6. Technical PQR shall be evaluated for PEM non-registered vendors & PEM registered vendors with technical limit and falling outside enquiry technical scope. Technical PQR will not be evaluated for PEM registered vendors without any technical limit.

EXPERIENCE LIST

**EXPERIENCE LIST FOR ME BELLOWS PACKAGE
ANNEXURE-2**

S.NO.	SIZE OF BELLOWS	TYPE OF BELLOWS	NO. OF BELLOWS	BELLOWS MATERIAL	TYPE OF WORKING FLUID	TEMP	PRESSURE	PROJECT NAME	CUSTOMER	PURCHASE ORDER	DATE OF PURCHASE ORDER PLACED (DD/MM/YY)	DATE OF SUPPLY (DD/MM/YY)	DATE OF COMMISSIONING (DD/MM/YY)	PERFORMANCE FEEDBACK CERTIFICATE* ENCLOSED (Y/N)
1		UNTIED												
2		UNTIED												
3		UNTIED												
4		UNTIED												
5		UNTIED												
6		UNTIED												
7		UNTIED												
8		UNTIED												
9		UNTIED												
10		UNTIED												
11		TIED LATERAL												
12		TIED LATERAL												
13		TIED LATERAL												
14		TIED LATERAL												
15		TIED LATERAL												
16		TIED LATERAL												
17		TIED LATERAL												
18		TIED LATERAL												
19		TIED LATERAL												
20		TIED LATERAL												
21		HINGED												
22		HINGED												
23		HINGED												
24		HINGED												
25		HINGED												
26		HINGED												
27		HINGED												
28		HINGED												
29		HINGED												
30		HINGED												
31		GIMBAL												
32		GIMBAL												
33		GIMBAL												
34		GIMBAL												
35		GIMBAL												
36		GIMBAL												
37		GIMBAL												
38		GIMBAL												
39		GIMBAL												
40		GIMBAL												

NOTE:

1)- PERFORMANCE CERTIFICATE SHOULD INCLUDE ALL THE DETAILS i.e. BELLOW TYPE, SIZE , DESIGN PARAMETERS (TEMP & PRESSURE) AND PURCHASE ORDER REFERENCE ALONG WITH YEAR OF COMMISSIONING.

2)- EACH TYPE OF BELLOWS (eg. GIMBAL, HINGED ANGULAR, TIED LATERAL AND UNTIED BELLOWS) SHALL BE INDICATED SEPARATELY.

3)- WORKING PRESSURE SHALL BE 2KG/CM² OR MORE.