

BHEL PEM-ELECTRICAL

**PRE-QUALIFYING REQUIREMENTS FOR OIL FILLED SERVICE TRANSFORMER
DOC. NO. PE-PQ-999-302-E001, REV. 2, dated 24.12.15**

ITEMS : Oil filled service transformers

Range of transformers : 500 – 10000 kVA,
HV wdg : 66/33/11/6.6/3.3 kV, LV wdg : 11/6.6/3.3/0.415 kV

The complete range is divided into 2 categories and the vendor can be considered for evaluation for the complete range or either of the 2 categories :

Cat 1 – LV service transformers; 500-2500 kVA (LV wdg. - 415V)

Cat 2 – MV service transformers; above 2.0 MVA & upto 10 MVA (LV wdg - 3.3kV & above)

SCOPE: Supply : YES; Erection & Commissioning : NO;

A) GENERAL CRITERIA FOR EVALUATION

1. Vendor should be designer & manufacturer of oil filled service transformers for the applicable category.
2. In-house capability to carry out all routine and type tests as per IS (other than short circuit, degree of protection & impulse tests which can be conducted at Govt. Lab/ Govt. approved Independent lab) for the applicable category of transformers.
3. Availability of type test certificates (including short circuit test) conducted at independent Lab or witnessed by third party for **at least one design for the applicable category** of transformers.
4. No. of transformers supplied in the last 10 years :
 - About 50 nos. in Category 1 with at least 20 nos. in range of 1000 to 2500 kVA
 - About 20 nos. in Category 2
- 5a. Performance certificates for min. 2 years of trouble free operation from minimum 2 different installations/sites for the applicable category of transformers. Performance certificate should be from end user only.

OR
- 5b. Repeat orders received from two different purchasers/end users for the applicable category of transformers during last 5 years provided the gap between award of two PO's is minimum 3 years.

OR
- 5c. 1 no. experience certificate (as per sl. no. 5a) and 1 no. repeat order (as per sl. no. 5b).

OR
- 5d. Successful execution of a major order from BHEL-PEM for the applicable category of transformers.

Notes :

- i. Details pertaining to transformers supplied in higher ranges (more than 10MVA) can be considered for Category 2 transformers.
- ii. Vendor(s) should submit relevant documents in support of above mentioned General Criteria.

V. Nayak
24/12/2015

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24/12/15

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24/12/15

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24/12/15

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24-12-15

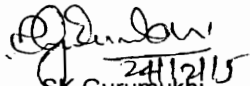
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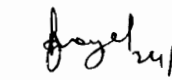
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DOC. NO. PE-PQ-999-302-E001, REV. 2, dated 24.12.15**

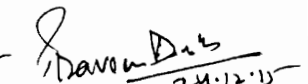
B) PROJECT SPECIFIC CRITERIA AGAINST ENQUIRY

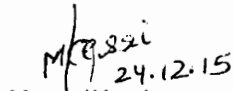
1. After satisfactory fulfilment of all the above criteria/ requirement, offer shall be considered for further evaluation as per NIT and all the other terms of the tender.
2. Consideration of offer will be subject to customer's approval of bidder (if applicable).
3. Any other project specific requirement shall be as per Annexure-I and bidder shall submit relevant supporting documents.


24/12/2015
Abhay Agrawal
[Technical Convenor]


24/12/15
SK Gurumukhi
[SH-E02]


24/12/15
Rajnish Goyal
[SH-E03]


24.12.15
Praveen Dutta
[SH-E01]


24.12.15
Meena Kesri
[DH-Electrical]

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PRE-QUALIFYING REQUIREMENTS FOR OIL FILLED SERVICE TRANSFORMER
DOC. NO. PE-PQ-999-302-E001, REV. 2

ANNEXURE – I

PROJECT SPECIFIC CRITERIA AGAINST ENQUIRY

PROJECT: 1x800MW KOTHAGUDEM TPS

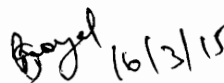
1. Vendor should have manufactured & supplied at least two numbers (one each at two different project sites) of at least highest offered rating (i.e. 6.3MVA) oil filled transformers, which must be in successful operation for a period of at least two (2) years as on 24 December, 2014. Performance certificate for the above mentioned criteria to be furnished along with the Bid.
2. Along with Bid, bidder to furnish short circuit test report of at least highest offered rating (i.e. 6.3MVA) oil filled transformers.

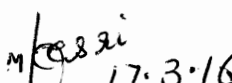
Note: - The performance certificate and short circuit test reports should be of Transformer with

- (a) Rating 6.3MVA or higher, and
- (b) HV Winding rated voltage 11kV or Higher.


[Dealing Engineer]


[Controlling Officer]


[Section Head]


[DH-Electrical]