

	PRE-QUALIFICATION REQUIREMENTS FOR OIL FILLED SERVICE TRANSFORMER	PE-PQ-999-302-E001
		REVISION NO. 03 DATE 29/04/2016
		SHEET NO. 1 OF 1

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)

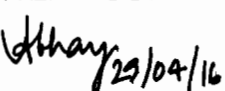
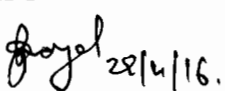
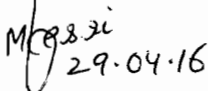
Cat 2 – MV service transformers; above 2.0 MVA & upto 10 MVA (LV wdg - 3.3kV & above)

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

1	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.
2	Vendor should be designer & manufacturer of oil filled service transformers for the applicable category.
3	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.
4	Option -1 : Performance certificates for min. 2 years of trouble free operation at minimum 2 different installations/sites for the applicable category of transformers. Performance certificate should be from end user only. OR Option-2 : 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 2 years. OR Option-3 : 1 no. performance certificate (as per Option-1) and 1 no. repeat order (as per Option-2). OR Option-4 : Successful execution of a major order from BHEL-PEM for the applicable category of transformers.
5	Minimum no. of transformers supplied in the last 10 years from the date of application for registration or date of techno- commercial bid opening (as applicable): - 50 nos. in Category 1 with at least 20 nos. in range of 1000 to 2500 kVA - 20 nos. in Category 2
6	Minimum two (2) nos. purchase orders for the applicable category of transformers shall be submitted which should not be more than five(5) years old from the date of application for registration or date of techno- commercial bid opening (as applicable) for establishing continuity in business.

NOTE:

Supplier to comply to "general points of PQR" available at <http://bhelpem.com/vensection/PMD/PMD.aspx>
In case supplier is not OEM, the offer shall be evaluated as per point no 1 of "general points of PQR".

PREPARED BY  NAME: ABHAY AGRAWAL DESIGNATION: MANAGER	REVIEWED BY  NAME: RAJNISH GOYAL DESIGNATION: AGM	APPROVED BY  NAME: MEENA KESRI DESIGNATION: AGM & DHE
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ANNEXURE – I

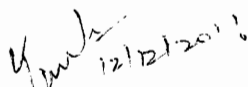
PROJECT SPECIFIC CRITERIA AGAINST ENQUIRY

PROJECT: 1x800MW KOTHAGUDEM TPS

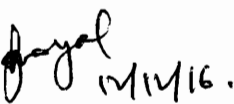
1. Vendor should have manufactured & supplied at least two numbers (one each at two different project sites) of at least highest offered rating (i.e. 6.3MVA) oil filled transformers, which must be in successful operation for a period of at least two (2) years as on 24 December, 2014. Performance certificate 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.

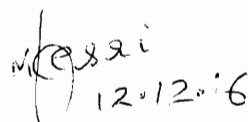
Note: - The performance certificate and short circuit test reports should be of Transformer with

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


[Dealing Engineer]


[Controlling Officer]


[Section Head]


[DH-Electrical]