

Tender No:-UGVCL/SP/CPC/284/5-10-16-25-63-100-200 KVA Amorphous/ CRGO Trans

AMENDMENT NO-3 Amendment in Specifications and in Schedule - A

Annexure - 1

- This tender is for purchase of 4(four) star rating 11 KV Distribution Transformer having Amorphous /CRGO core and with Capitalization cost.
- The Methodology for computing Total Owning cost is as per BEE guidelines & as under.
TOC (Total Owning cost) = IC+(A X Wi) +(B X Wc)

IC = Initial cost (without tax) of transformer as quoted by the bidder.

A Factor = Cost of no load losses in Rs./ Watt = Rs. 276.75 / Watt.

B Factor = Cost of load losses in Rs./ Watt = Rs. 89.94 / Watt.

Wi = No Load losses quoted by the bidder in Watt

Wc = Load losses quoted by the bidder in Watt

- For 5 KVA Transformer Specifications, the Cl. No. 5.6 shall be read as under.

5.6 LOSSES: The bidder should guarantee individual No load loss and load loss without any positive tolerance.

Voltage Ratio	kVA Rating	No load losses in Watts (Max)		Full load losses in Watts (Max) At 75 Deg. c.
		AMT	CRGO	
11KV / 250 V	5	6.0 W	25W	140 W

The bidder should also guarantee the total losses at 50% load condition (50% of rated kVA rating at rated voltage and frequency and at 75 deg centigrade without any positive tolerance.

The above losses are maximum allowable and there would not be any positive tolerance. Bids with higher losses than the above specified values would be treated as Non-responsive.

Transformers with losses less than those specified above will be capitalized during bid evaluation as indicated below:

Loss Capitalization factors:

- A. Iron losses - Rs. 276.75 / Watt.
- B. Copper losses - Rs. 89.94/ Watt.

Signature of Tenderer	Company's Round Seal	Date	Place

Regd. & Corporate Office : Visnagar Road : Mehsana : 384 001 (North Gujarat)

Phone No: 02762- 222080-81

Fax No: 02762-223574/236254

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- **For 10 KVA Transformer Specifications, the Cl. No. 5.3 shall be read as under.**

5.3 **LOSSES** : The bidder should guarantee individual No load loss and load loss without any positive tolerance. The bidder should also guarantee the total losses at 50% load condition (50% of rated KVA rating at rated voltage and frequency and at 75 deg centigrade without any positive tolerance.

Voltage Ratio	KVA Rating	No load losses in Watts (Max)		Full load losses in Watts (Max) At 75 Deg. c.
		AMT	CRGO	
11000/433 - 250 V	10	15	40	225

The above losses are maximum allowable and there would not be any positive tolerance. Bids with higher losses than the above specified values would be treated as Non-responsive.

Transformers with losses less than those specified above will be capitalized during bid evaluation as indicated below:

Loss Capitalization factors:

- A. Iron losses - Rs. 276.75 / Watt.
- B. Copper losses - Rs. 89.94/ Watt.

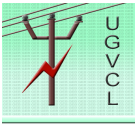
- **For 16KVA to 200 KVA Transformer Specifications, the Cl. No. 5.3 shall be read as under.**

5.3 **LOSSES & LEBELLING** : It is mandatory that transformers having rating from 16 to 200 KVA shall be 4 Star as per the BEE specifications and shall be labeled accordingly as per the gazette notification Dtd.06.07.2009 of BEE.

The maximum allowable losses at rated voltage and rated frequency permitted at 75 deg centigrade for 11/0.433 KV Transformers shall be as per 4 Star rating as per BEE , however rating wise no load losses shall be limited to the values as under.

Sr. No.	Rating in KVA	Iron Losses in watts	Total Losses at	
			50 % Loading	100 % Loading
1	16	50	135	440
2	25	60	190	635
3	63	125	340	1140
4	100	170	475	1650
5	200	270	780	2300

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Loss Capitalization factors:

- A. Iron losses - Rs. 276.75 / Watt.
- B. Copper losses - Rs. 89.94/ Watt.

No Positive tolerance shall be allowed on the maximum losses displayed on the label for both 50% and 100 % loading values.

Chief Engineer (P & P)
UGVCL : MEHSANA

Signature of Tenderer

Company's Round Seal

Date

Place

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