



JODHPUR VIDYUT VITRAN NIGAM LTD.  
Corporate Identity Number (CIN) -U40109RJ2000SGC016483  
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**OFFICE OF THE SUPERINTENDING ENGINEER (DDUGJY)**  
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No: JdVVNL/SE(DDU)/JU/XEN (DDU)/ ALL TN /D\_2007 Dated 14.08.2017

### Office Order

#### Subject: Clarification regarding vendor approval & specification of Power & Distribution transformers to be supplied under DDUGJY/IPDS scheme

Following clarification is made regarding provision of vendor approval for Power Transformers/ Distribution Transformers under IPDS/DDUGJY scheme which are as below:

S. No.	Description	Clarification												
1.	Validity of type test	(1) For regular suppliers (Supplying/supplied in Rajasthan Utility such as JVVNL, AVVNL, JdVVNL, RRVPN & RVUNL), the required type test should not be older than 5 years in line with MM specification as on the date of applying for vendor approval (2) For other supplier i.e. not covered in item (1) above, supplier shall be considered as a new vendor and as per requirement of SBD, the type test should not be older than 3 years as on the date of applying for approval.												
2.	Specification of Power Transformer	Specification of Power transformers shall be as per requirement of latest MM specification (JVVNL/JdVVNL/AVVNL) except the loss level. The loss level shall be as per the requirement of committee-A report as per REC guidelines which is as under. <table border="1"><thead><tr><th>Power Transformer capacity</th><th>NO Load losses (KW)</th><th>Load losses (KW)</th></tr></thead><tbody><tr><td>3.15 MVA</td><td>3.0</td><td>16</td></tr><tr><td>5.0 MVA</td><td>4.0</td><td>23</td></tr><tr><td>8.0 MVA</td><td>5.5</td><td>40</td></tr></tbody></table>	Power Transformer capacity	NO Load losses (KW)	Load losses (KW)	3.15 MVA	3.0	16	5.0 MVA	4.0	23	8.0 MVA	5.5	40
Power Transformer capacity	NO Load losses (KW)	Load losses (KW)												
3.15 MVA	3.0	16												
5.0 MVA	4.0	23												
8.0 MVA	5.5	40												
3.	Specification of Distribution Transformer	Specification of Distribution transformers shall be as per requirement of latest MM specification (JVVNL/JdVVNL/AVVNL). The Maximum allowable losses at rated voltage and rated voltage and rated frequency permitted at 75 degree centigrade for 11/0.433 KV as per table-3 up to 200 KVA, table-6 for ratings above 200 KVA and table No. 9 for Single phase transformers (11/√3 KV / 240 V) as per <b>Energy Efficiency Level-2 specified in IS:1180(Part-1):2014</b> for all KVA ratings of distribution transformer. There would not be any positive tolerance.												

S. No.	Description	Clarification
4.	The Core material of Power Transformer & Distribution Transformers	The CRGO Core material of Power Transformers and Distribution Transformers shall be strictly procured from the approved vendors of PGCIL as per REC guidelines, List of approved vendors is available at:- <a href="http://apps.powergridindia.com/ims/ComponentList/Powerformer%20upto%20420%20kV-CM%20List.pdf">http://apps.powergridindia.com/ims/ComponentList/Powerformer%20upto%20420%20kV-CM%20List.pdf</a>
5.	Stage Inspection	Firm shall offer the Power Transformers/Distribution Transformers for stage inspection prior to final inspection as per MM stage inspection provision.
6.	Colour of Transformer (Power & Distribution Transformers (External surface))	The Colour Shade of external surface of power transformer and distribution transformers shall be as under:- <b>Maroon colour</b> (Shade no. 541 of IS-5 of 1961)

This bears approval of Managing Director, Jodhpur Discom, Jodhpur.

  
(Sangita Panjwani)

**SUPERINTENDING ENGINEER (DDUGJY)**  
**JODHPUR DISCOM, JODHPUR**

Copy to following for information and necessary action:

1. The Director(Tech.), Jodhpur Discom, Jodhpur
2. The Additional Chief Engineer(T&S-CSS), Jodhpur Discom, Jodhpur
3. The Superintending Engineer(PP&M), Jodhpur Discom, Jodhpur
4. The SE(IT), Jodhpur Discom, New power House, Jodhpur for uploading on Discom web portal
5. TA to MD, Jodhpur Discom, Jodhpur
6. The Executive Engineer(CTL), Jodhpur Discom, Jodhpur
7. M/s \_\_\_\_\_

  
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