



COMML.JDP/ 316

JODHPUR VIDYUT VITRAN NIGAM LIMITED

No.JdVVNL/CE(CPM)/SE(RA&C)/JU/2005-06/D. 2350

Dt. 31/3/06

CIRCULAR**Sub: Guidelines for overhauling of Power and Distribution Transformers.**

During the course of Senior Officers Conference held on 10-03-2006, it was decided to get the Power & Distribution Transformers overhauled as per the guideline issued by Hon'ble Commission. Rajasthan Electricity Regulatory Commission vide Order dated 11th June, 2003 has approved the "Distribution Code" (which includes the subject matter) & copies of the same in Hindi and English version were circulated upto the level of Assistant Engineer vide letter No.JdVVNL/SE(Comml.)/JU/S.CII/F.M.C./D.2407 dtd.12-02-04.

However, the Recommended Schedules for overhauls of Power and Distribution Transformers are reiterated hereunder for immediate reference and strict compliance of all concerned :

RECOMMENDED SCHEDULES FOR OVERHAULS OF POWER TRANSFORMERS :

Frequency of overhauls	Equipment/Items to be overhauled	Details of the work to be done	Remarks
Five yearly (The period can be changed depending upon the load cycle of the T/F and its normal life as recommended by the manufacturer)	Power T/F	The T/F should be taken out of service for overall inspection and repairs, where necessary, of the core assembly and windings by lifting them out, internal inspection of the T/F, i.e. magnetic circuit, all clamping bolts, other bolted joints and insulations. It will also consist of cleaning of conservator tank, replacement of gaskets, testing and adjustment of various relays, indicators, cooling arrangements, etc. Painting may also be done on the body of the T/F, if necessary. Various steps as described under schedules of preventive maintenance should also be carried out at the time of doing overhauls.	

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RECOMMENDED SCHEDULES FOR OVERHAULS OF DISTRIBUTION TRANSFORMERS :

Frequency of overhauls	Equipment/Items to be overhauled	Details of the work to be done	Remarks
Ten yearly	P/M Distribution Transformer	The transformer should be dismantled and sent to testing and repair shop for overall inspection of the T/F. It will consist of inspection of the core assembly and winding by lifting them out. Internal inspection of the transformer, i.e. of the magnetic circuit, all clamping bolts and other bolted joints, insulation, cleaning of the conservator tank, replacement of gaskets, etc. and performance of all standard tests. Insulating oil should be replaced and T/F body be repainted. Various other steps as recommended under preventive maintenance programme should be taken while carrying out overhauls.	The period can be changed depending upon the load cycle of the equipment and manufacturer's recommendation.

By order,

(Signature)
31/03/2006

(N.M. SINGHVI)
SUPERINTENDING ENGINEER(RA&C)
JODHPUR DISCOM:JODHPUR

Copy Submitted/ forwarded to the following for information and necessary action:

- 1) The Secretary (Energy), Govt. of Rajasthan, Jaipur.
- 2) The Divisional Commissioner, Jodhpur/ Bikaner.
- 3) The Chief Engineer (O&M-JDZ), Jodhpur Discom, Jodhpur.
- 4) The District Collector, Jodhpur / Pali / Barmer / Churu / Jalore / Sriganganagar / Hanumangarh / Bikaner / Jaisalmer / Sirohi.