



(A Govt. of Maharashtra Undertaking)  
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### **CIRCULAR NO-10**

#### **Sub: Implementation of CEA Guidelines for the Validity Period of Type Test(S) Conducted On Major Electrical Equipment in MSEDCL**

The Type tests are intended to verify compliance with the requirements laid down in the relevant Standards for a given type of equipment. The Type tests are carried out on a sample of such equipment or on such parts of equipments manufactured to the same or similar design. They are carried out to prove the design capability and they are part of the design validation process and are undertaken by the manufacturer initially when the equipment is developed or when if changes are made which required for further verification.

As National/ International standards has not specified any period for validity of type test results and hence frequency of repetition of type varies from utility to utility. At present in MSEDCL, Type Test Reports validity period of all type of equipments are being generally considered/ acceptable for five (5) years, for tenders as well as for vendor approvals.

Considering the grievances of the manufacturers, in order to develop uniform practice relating to period of validity of type test reports of major electrical equipments, Central Electricity Authority (CEA) has issued guidelines in the matter namely "Guidelines for the Validity Period of Type Test(s) conducted on Major Electrical Equipment in Power Transmission System, 2020".

In view of above, the competent authority has accorded approval to adopt the CEA guidelines issued for the Validity Period of Type Test(S) Conducted on Major Electrical Equipment utilized in MSEDCL for upcoming tenders & vendor approvals.

Henceforth, the Type Test Validity period for major electrical equipments utilized under MSEDCL is as below:

Sr. No.	Name of Equipment	Periodicity (in years)
1	Power Transformer	5
2	Distribution Transformers (33 kV and below)	5
3	Shunt Reactor	5
4	OLTC	10
5	Power transformer Bushing /Reactor Bushing	7
6	Transformer/reactor fittings and Accessories	10
7	Circuit Breaker	10
8	Isolator	10
9	Lightening Arrester	10
10	Wave Trap	10
11	Instrument Transformers	7
12	LV and MV Switchgear	10
13	GIS & Hybrid Switchgear	10
14	Cables and associated joints	10
15	Capacitor	10
16	Relays	7
17	Energy Meter (including smart meters and ABT meters)	5
18	Battery and Battery Charger	7
19	Conductors and earth wire	10
20	High Temperature (HT) /High Temperature Low Sag Conductor (HTLS) conductor	7
21	Insulators (Porcelain/ Glass)	10
22	Composite Insulator	5
23	PLCC/ FO cable / OPGW	5
24	Transmission Line insulator hardware fittings, and accessories for conductor & ground wire	7

These guidelines shall be applicable in r/o Electrical equipments procured under tenders & for vendor approvals for various material utilized in MSEDCL.

This circular shall come in force with effect from the date of issuance. This circular is available on MSEDCL website i.e. [www.mahadiscom.in](http://www.mahadiscom.in). So hard copy of the same shall not be issued.

  
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