



BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED
(Wholly owned by Government of Karnataka Undertaking)

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No: GM(QS&S)/DGM(El.,)-3/BC-11/20-21 | Cys-141
Encl:

O/o GM(QS&S)
Corporate Office,
K.R. Circle,
Bangalore-560 001
Date: 15/10/2020

PREAMBLE :

Sub :	CEA Guidelines in respect of validity of type test reports to be adopted in BESCOM_ regarding.
Ref :	1. Guidelines issued by CEA, GOI vide dated: May 2020. 2. BESCOM/BC-45/GM(O) /DGM(VA)/F-3251/11-12/Cys-26 dated: 02.08.2011 3. GM(QS&S)/DGM3/BC-11/12-13/Cys-18 dated: 16.05.2012 4. KPTCL guidelines vide No: CEE/T&P/SEE/EE(T2)/T-5/2014-15/5932-46 dated:19.09.2014.

For according Vendor approvals, procurement of Materials by BESCOM, procurement of materials by agencies for executing Total Turnkey works, Partial turnkey works, Self-Execution works & for Service connection works the materials have to be type tested by the firm as per IS/IEC/BESCOM specification.

The validity of type test certificate has been fixed for 5 years in BESCOM/ESCOMs/KPTCL.

The C.E.A has observed that, National/International standards does not specify any specific period of validity of type test results.

Many of the equipment's involves manual intervention and change in design/quality of brought out items which may vary the performance of equipment's during service life and hence some utilities are insisting repetition of type tests even though there is no change in design of equipment's. Hence many of Manufacturing firms and some utilities have approached CEA to frame uniform guidelines to be adopted.

Further C.E.A has stated that repetition of type tests on the equipment is not required /desirable as long as there is no change in basic design/technology/mechanical construction including physical designs & manufacturing process. If relevant standards (IS/IEC) of the equipment is revised/amended, fresh type test shall be insisted from the firm.

The C.E.A organized a meeting with major stake holder on 10.09.2018 and has formulated and issued broad guidelines in May 2020 which has to be adopted in respect of major electrical equipment's. However some of the distribution materials are not covered in the C.E.A guidelines but Vendor approval has to be accorded and materials purchased which are not covered in C.E.A guidelines dated May 2020 and hence the OM.

OFFICIAL MEMORANDUM

BESCOM/GM(Q,S&S)/DGM(3)/BC-35/20-21/ *Cys-141*

Dated: *15/10/2020*

The validity of type tests for the materials is hereby specified and to follow other conditions stipulated in CEA guidelines dated: May-2020.

Sl. No.	Materials	Validity
I	1. Distribution Transformers 2. Energy meters (including smart meters & ABT meters) 3. Composite insulators	5 years
II	1. RMU 2. Isolators (G.O.S, SB, DB, Horizontal, Vertical) 3. LA's (Polymeric and porcelain) 4. L.V and M.V switchgear 5. Cable and cable joints 6. ACSR conductor 7. Insulators(Porcelain and glass insulator)	10 years
III	1. Instrument Transformers (current and potential transformers) 2. Line hardware fittings and accessories for conductor and GI wire	7 years
IV	All other materials covered in CSR, excluding I, II and III above which are required in BESCOM network	5 years

Other guidelines of earlier circulars remains unaltered.

Approved by
Director(Technical), BESCOM


(Nagarajaiah. B.N) *15/10/20*
General Manager (El.),
Quality Standard and Safety,
BESCOM

Copy to:

1. The Chief General Manger Operations / CA/ Projects, BESCOM Corporate Office, Bangalore.
2. All the Chief Engineers (Electy) O & M Zones, BESCOM
3. All General Managers, Corporate Office, BESCOM.
4. All the Superintending Engineers (El.), C,O&M Circles, BESCOM.
5. The Superintendent of Police, Vigilance, BESCOM.
6. All Deputy General Managers, Corporate Office, BSECOM.
7. The Executive Engineers (Civil) BMAZ / BRAZ / Chitradurga, Divisions, BESCOM.
8. The Executive Engineer (Ele.) BESCOM Stores, Rajajinagar, Bangalore.
9. All Executive Engineers (Ele.) C,O&M Division, BESCOM.
10. All Assistant Executive Engineers (Ele.) C,O&M Sub-divisions BESCOM.
11. All Account Officers (I/A) / F&C, BESCOM.
12. PS to MD /D(T) / D(F) / CGM(F&C) Corporate Office, BESCOM with a request to place before Hon'ble Managing Director, BESCOM, Director (Technical), BESCOM. Director (Finance), BESCOM & CGM (F&C), BESCOM.
13. Officer Copy/ MF.