



BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

(Wholly owned by Government of Karnataka Undertaking)

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No: GM(QS&S)/DGM(El.,)-3/AE/BC-11/22-23/CYS-111

Encl:

O/o GM(QS&S)

Corporate Office,

K.R. Circle,

Bangalore-560 001

Date: 04 JAN 2023

PREAMBLE :

Sub :	CEA Guidelines in respect of validity of type test reports & Quality Assurance plan to be adopted in BESCOM_ regarding.
Ref :	<ol style="list-style-type: none">1. BESCOM/BC-45/GM(O) /DGM(VA)/F-3251/11-12/Cys-26 dated: 02.08.20112. GM(QS&S)/DGM3/BC-11/12-13/Cys-18 dated: 16.05.20123. KPTCL guidelines vide No: CEE/T&P/SEE/EE(T2)/T-5/2014-15/5932-46 dated:19.09.2014.4. GM(QS&S)/DGM-3/BC-11/20-21/Cys-141 dated: 15.10.20205. Guidelines issued by CEA, GOI vide email dated: 15.03.2022.6. Approved by Director(Technical) vide para(27)/1801 dated:30.12.2022 vide T.O Note No: GM(QS&S)/DGM(El.,)-3/AE/BC-11/20-21/377 dated:02.07.2020.

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 will have to be type tested by the firm as per IS/IEC/BESCOM specification.

BESCOM is adopting Validity period of type test reports of materials as per CEA guidelines dated: May 2020 vide T.O circular No: GM(QS&S)/DGM-3/BC-11/2020-21/Cys-141 dated: 15.10.2020.

Now Central Electricity Authority, Ministry of power has framed the new guidelines for the validity period of type tests conducted on major electrical equipment's in transmission & Distribution system and Quality assurance plan to be adopted.

CEA has circulated duly approved guidelines to entire Power Sector to be adopted vide email dated: 15.03.2022.

Validity period of type tests conducted on the equipment i.e. the period for which Type Test Reports (TTRs) shall remain valid and acceptable to user/ utility provided no major change has been introduced in the basic design/ technology/ material/ mechanical construction/ functionalities of the equipment/ performance characteristic/ manufacturing process of the equipment.

The C.E.A constituted a committee with members from CEA, Power sector utilities and manufacturers to standardize the duration of validity of type tests conducted on various E & M equipment's and preparation of Model Quality assurance plan of major equipment in entire power sector and issued broad guidelines to be adopted in respect of major electrical equipment's. However the validity of type test reports of some of the distribution materials purchased which are not covered in the C.E.A guidelines, but Vendor approval has to be accorded is as follows and hence the OM.

OFFICIAL MEMORANDUM

BESCOM/GM(Q,S&S)/DGM(3)/AE/BC-35/22-23/ *CYS-111*

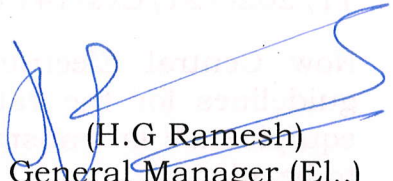
dated 04 JAN 2023

The validity of type tests for the materials is hereby specified and to follow other conditions stipulated in CEA guidelines issued from time to time revisions/Amendments with respect to validity of type test reports & QAP.

Sl. No.	Materials	Validity of Type test reports
1.	Distribution Transformers	5 years
2.	Circuit Breaker	5 years
3.	Isolator (G.O.S, SB, DB, Horizontal, Vertical)	5 years
4.	Lightning Arrester (Polymeric and porcelain)	5 years
5.	Instrument Transformers (current and potential transformers)	5 years
6.	L.V and M.V switchgear	5 years
7.	Cables and associated joints (ABC/ Underground)	5 years
8.	Energy meters <ul style="list-style-type: none">• Electronic Meter• Smart meter	<ul style="list-style-type: none">• 5 years• 3 Years
9.	Battery and Battery Charger	5 years
10.	Conductors (Bare/Covered)	5 years
11.	Insulators (porcelain/Glass/Composite)	5 years
12.	All other materials covered in CSR/excluding above which are required in BESCOM network	5 years

Other guidelines of earlier circulars remain unaltered

Approved by
Director(Technical), BESCOM


(H.G Ramesh)
General Manager (El.),
Quality Standard and Safety,
BESCOM.

Copy to:

1. The Chief General Manger Operations / CA/ Projects, BESCOM Corporate Office.
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, BESCOM.
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.