



# BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

(Wholly owned by Government of Karnataka Undertaking)

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No: GM(QS&S)/DGM(El.)-3/BC-11/18-19/76 | CYS-12

Encl:

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

Date: 29-04-2019

## PREAMBLE :

Sub :	Direction regarding including conditions in tenders for procurement of materials, testing, inspection of materials and enhancing the guarantee period for 5 years.
Ref :	1. D.O. No. 3/8/2017-T & R from Sri Rajpal, Economic Advisor, G.O.I, MOP, - addressed to Additional Chief Secretary (Energy) G.O.K. 2. Letter No. EN 14/VSC/2018/12-03-2018 from Chief Secretary Energy Dept/ G.O.K. - addressed to KPCL/KPTCL/ALL ESCOMS 3. Approval by Director (Technical) vide para 9/1518/19-12-18 of note No: GM(QS&S)/DGM-3/AGM-1/BC-11/18-19/76 dated:09.04.2018

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The Government of India with the active support of State Governments / U.T. Administrator is on a mission to achieve "POWER FOR ALL" and ensure safe, quality and Uninterrupted Power Supply at affordable cost to Domestic and Industrial establishments.

The Government of India in this letter under ref.(1) have stated that to achieve the reliable power supply, it is imperative that the equipment's procured / used shall be of high quality.

Further it is highlighted that :

- Products are procured as a practice as of now based on successful passing of Tests as per the relevant standards. In case of Type tests, this is done on a single sample to prove the design of the entire batch. It is seen that when the manufacturer brings the sample for type tests, a lot of precautions is selectively taken to bring the best product sample so as to ensure that the representative product passes all the tests and meets the requirement as per the relevant standards. However, very often, during mass manufacturing, there is a possibility of slippage in the product quality which would eventually lead to failure at the site after installation.
- While reviewing the status of post-supply testing of various electrical equipment's / products through accredited labs by drawing samples from the supplied lots, it was observed that few Power Utilities are getting such tests conducted for some equipment's / products only. The Hon'ble Minister of State for Power (I/C) has desired that DISCOMS/TRANSCOS/GENCOS Power Utilities may institutionalize a procedure for post supply checks after drawing random samples.

- In view of the above and to have a check as the continuous process of improving product quality, It is directed to all DISCOMS/TRANSCOS/GENCOS Utilities in your State/UT to adopt a policy in their procurement guidelines, wherein testing at Third party laboratory of samples drawn from the supplied lots is made mandatory. Failure of sample during this testing will result in rejection of the entire supplied lot. The above shall go a long way in ensuring quality of the equipment installed in the Power System network.

The Government of Karnataka in their letter under reference (2) has directed KPCL/KPTCL/ESCOMS to implement the above directions of MOP/GOI.

In order to implement the above BESCOM has to frame and include guidelines in their conditions and material procurement/Total Turnkey and Partial Turnkey /Self Execution Works and vendor approval procedure.

Type testing of materials procured directly by BESCOM and materials supplied by Agencies / Awardees of TTK and PTK is feasible. However, in respect of materials used in self-execution works for which materials are procured from approved vendors, type testing of materials is not practically feasible as the quantity supplied is very small and in many cases the quantity of individual material is limited to only one number (transformer, RMU, CSS, etc). This issue was discussed in CSR - 18 meeting where in it was opined to enhance the guarantee period of materials to 5 years to ensure supply of quality materials.

After consideration of all the above and as approved, the procedure to be adopted in procurement of materials by BESCOM, TTK and PTK awards, self-execution works and vendor approval, the following guidelines framed has to be followed. Hence the O.M.

#### **OFFICIAL MEMORANDUM**

**BESCOM/GM(Q,S&S)/DGM(3)/ MGR/BC-35/18-19/**

**dated :**

In order to ensure quality, safe, uninterrupted power supply to all consumers at affordable cost and to procure quality materials the following directions shall be followed.

- i. The following procedure to be adopted in the direct procurement of materials by BESCOM.**
  - a. A Guarantee clause shall be included in all the procurement of materials like Transformers, RMUs, UG cable, AB cable, any insulated aluminum/copper conductor, Optical fiber, Insulators, GOS and CSS shall be assured guaranteed for 5 years for the defects in materials and workmanship from the date of commissioning.
  - b. The material samples shall be selected in each lot supplied to the store/site at random by authorized BESCOM officer / official in presence of the authorized representative of the supplier. This randomly selected samples shall be properly sealed with the signature of both the parties affixed on the sample and shall be sent to M/s. CPRI / Government approved laboratories for conducting type tests as prescribed by IS/IEC/BESCOM specification.

- c. If the randomly selected sample fails in any of the tests prescribed, the entire lot will be rejected and the firm has to replace the entire lot at his own cost.
- d. Even the replaced lot will be subjected to testing as above, once the tests of samples are passed then only the lot will be accepted.
- e. The cost of type test will be borne by BESCOM for the trial for which samples passes the tests. The failure trials the cost shall be to the suppliers account.

**ii. The following procedure to be adopted in the Total Turnkey & Partial turnkey agencies.**

- a. Guarantee clause of the tender of any project should be included this clause for obtaining the minimum guarantee of five years from the date of commissioning for the materials like Transformers, RMUs, UG cable, AB cable, any insulated aluminum/copper conductor, Optical fiber, Insulators, GOS and CSS. For the rest of equipment's /materials of the project shall be guaranteed for the 12 months from the date of commissioning. The contractor's liability shall be limited to the replacement of any defective parts in the equipment of his own manufacture or those of his vendors.
- b. The sample shall be selected in each lot at random by authorized BESCOM officer / official in presence of the authorized representative of the TTK and PTK agency. This randomly selected samples shall be properly sealed with the signature of both the parties affixed on the sample and shall be sent to M/s. CPRI / Government approved laboratories for conducting type tests as prescribed by IS/IEC/BESCOM specification.
- c. If the randomly selected sample fails in any of the tests prescribed, the entire lot will be rejected and the firm has to replace the entire lot at his own cost.
- d. Even the replaced lot will be subjected to testing as above, once the tests of samples are passed then only the lot will be accepted.
- e. The cost of type test will be borne by BESCOM for the trial for which samples passes the tests. The failure trials the cost shall be to the TTK or PTK agencies account.

**iii. SELF EXECUTION WORKS**

- a. The material shall be procured only from approved BESCOM Vendors and The Vendor's liability shall be limited to the replacement of any defective parts in the equipment of his own manufacture. The consumer's liability shall be limited the replacement of any defective parts in the equipment/materials and workmanship and it has be on his own cost for the period stipulated in the CS&D code of KERC.

- b. BESCOM reserves the right to inspect the materials at factory premises / site / materials released from lines at its discretions and send the same for type test to the approved lab at BESCOM's cost.
- c. The field officers shall ensure that the commissioning date of self-execution works shall be prominently displayed at the installation so as to ensure that the materials failed to be replaced within the guarantee period.

iv. **VENDOR APPROVAL :**

- a. All the Vendor approvals (new, revalidation, renewal and specific approval) shall clearly specify that the materials shall be guaranteed for 5 years from the date of commissioning.
- b. All the vendor approval already issued with guarantee period of one year shall be amended with new clause as above.

The order shall come in to force with immediate effect.

Approved by Hon'ble Managing Director,  
BESCOM

  
(Nagarajiah. B.N)  
General Manager (El.,)  
Quality Standard and Safety,  
BESCOM.

29/4/19

Copy to:

1. The Chief General Manger (Operations) / CA 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.