



BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

(Wholly owned by Government of Karnataka Undertaking)

No :CGM(O)/DGM(OP)/AGM(OP-3)/18-19/ **CYS-129**

Corporate Office

K.R. Circle

Bangalore-560 001

Date: **23 MAR 2019**

Sub. : Streamlining the distribution transformer repair / replacement procedure and Implementation of Distribution Life Cycle Management Software (DTLMS) in BESCOM to track the location/movement of distribution transformers along with flow for repairs / replacement of faulty transformers, store transaction, commissioning of new transformers, enhancement of existing transformers and transformer repair bill payments etc.

Ref. 1. Circular No: BESCOM/BC-35/B-2228/09-10/CYS-124 dated 27.10.2009
2. Amendment to Transformer repair centre DWA's issued vide No. : BESCOM/BC-05/CGM(Op)/DGM(Op-1)/16-17/ CYS-57 /23.11.2016

PREAMBLE:

- At present repairs to failed distribution transformers are being carried out by various agencies at 38 different locations in BESCOM jurisdiction on item wise RC basis entrusted by inviting tenders to each of the transformer repair centre.
- It is noted that the present procedure followed for repair / replacing the failed distribution transformer varies from centre to centre and thus there is no uniformity.
- Before / after repairs, it has become difficult to track / trace the location and the movement of failed / repaired good distribution transformers, causing lot of inconvenience and also difficulty in assessing whether the transformer has failed within guarantee period or not.
- To overcome these difficulties / inconveniences, BESCOM has implemented Distribution Transformer Life Cycle Management Software (DTLMS) which facilitates to keep a track of all the distribution transformers and also enables for repairs / replacement of faulty transformers, store transaction, commissioning of new transformers, enhancement of existing transformers and processing of bill payments for transformer repairs, thereby uniform procedure shall be followed across BESCOM in all the Sub-Divisions / Divisions / Circles.


- Considering all the earlier Circulars, amendments, terms and conditions of the Detailed Work Award issued in respect of transformer repair centres, the procedure for repair / replacement of failed distribution transformers is streamlined and same needs to be followed across BESCOM. Hence, the below Circular is issued.

CIRCULAR

BESCOM/CGM(OP)/DGM(OP)/AGM(Op-3)/18-19/CYS-129 Dated: **23 MAR 2019**

1. All the activities such as preparation of estimates, issue of work orders, issue of work award, store transactions, payment of repair bills, etc., in connection with repairs/replacement of faulty distribution transformers shall compulsorily be carried out in the Distribution Life Cycle Management Software (DTLMS) with immediate effect.
2. Further, other activities associated with distribution transformers such as commissioning of new distribution transformers including transformers commissioned under self-execution and DCW scheme, augmentation of existing transformer capacity, inter-store transactions, decommissioning and scrapping of distribution transformers shall compulsorily be updated in the Distribution Life Cycle Management Software (DTLMS) with immediate effect.
3. The following probable repairs are considered as minor repairs and any repair activity other than these repairs shall be considered as Major repairs to the distribution transformers like replacement of single coil / multi coils. It shall not be construed that all these repairs have to be carried out under Minor repairs.
 - i. HT coil rectification – Other than coil replacement
 - ii. LT coil rectification – Other than coil replacement
 - iii. Replacement of gasket
 - iv. Replacement of LV bushing with metal parts
 - v. Replacement of HV bushing
 - vi. Replacement of HV bushing with metal parts
 - vii. Labour charges dismantling, Assembling, Soldering, Brazing Delta Connection, Tanking, Tightening of bolts & nuts etc.,
 - viii. Replacement of Brass Nuts
 - ix. Oil Reclamation charges
 - x. Topping of oil
 - xi. Testing charges
 - xii. Any other minor repair – Other than coil/core replacement
4. Any Minor repairs to distribution transformer shall not be transacted through stores.

5. Minor repairs to distribution transformer shall be carried out by obtaining the PGRS docket number and uploading the Annexure – 2 in the DTLMS.
6. For Major repairs Annexure – 2 & 3 shall be uploaded in the DTLMS and it shall be mandatory to enter the failed coil details like Phase, HV Coil, LV Coil, HV & LV Coil.
7. If the distribution transformer is failed within the Guarantee period then Annexure – 4 shall be uploaded to the DTLMS. The Revised annexures 1, 2, 3, & 4 are enclosed herewith.
8. Estimates / work order sanctioning etc., shall not be withheld at any of the stage for any reasons. If any observations / reasons are noticed, the same shall be recorded and either returned back or forwarded with observation for taking appropriate decision.
9. For Minor repairs, estimates are to be sanctioned by the Assistant Executive Engineers up to the financial power of delegation authorized to them and forwarded to the respective Executive Engineer for placing award.
10. The procedure / steps to be followed for Minor repairs, Replacement and Major repairs to failed distribution transformers is enclosed as Annexure A, B and C respectively.
11. The flow charts for the procedure / steps to be followed for Minor repairs, Replacement and Major repairs to failed distribution transformers is enclosed as Flow Chart A, B and C respectively.
12. This circular supersedes all earlier circulars issued in respect of repairs / replacement of failed distribution transformers.


 Chief General Manager (Elec.)
 Operations, BESCOM

Copy to:

1. The Chief General Manager (CA/Projects/I/A/F&C), Corporate office, BESCOM for information
2. The Chief Engineer (Elec.), C, O&M BMANZ, BMASZ, BRAZ & CTAZ, BESCOM, for information & needful action.
3. The General Managers Corporate office, BESCOM - for information.
4. All the Superintending Engineers (Ele.), C, O&M, Circle, BESCOM - for information & needful action.
5. The General Manager, CR for information and upload in BESCOM website.
6. The Deputy General Manager, TIC, BESCOM for information & needful action.
7. All the Executive Engineers (Ele.), C, O&M, Division, BESCOM - for information & needful action
8. All the Assistant Executive Engineers, C, O&M Sub Divisions, BESCOM - for information & needful action.
9. Ps to MD/D(F)/D(T) – with a request to place before MD/DF/DT BESCOM.
10. Master file.

