

Lr No. REC /DDUGJY/QA/2017-18/D.No. 2087

Date: 11-07-2017

The CMD/MDs of DISCOMs  
Chief Engineer of Power Departments  
Project Implementing Agency (ies),

**Subject: Stage inspection by PIA for manufacturing of Power Transformers and Distribution Transformers used for DDUGJY new scheme.**

Ref: REC Letter No.REC /DDUGJY/QA/17-18/2065 dated 29-06-2017

Sir/Madam,

Greetings from REC. Your kind attention is invited to the Standard Bidding Document (SBD) pertains to DDUGJY new scheme and our letter cited under reference above on the captioned subject. In this connection, it is to mention that 100% quality is to be ensured by the Project Implementing Agency (PIA) as per the quality prescribed under Quality Assurance Mechanism of DDUGJY scheme. In terms of Clause No. 7.5 of Technical Specification stipulated in Volume-III under Section-I of SBD, the core used for manufacturing of Power Transformers & Distribution Transformers should be '**Prime quality CRGO**' and shall have to be procured only from the PGCIL approved vendors, the list of which is available at <http://apps.powergridindia.com/ims/componentList/Power-former%20upto%20420%20kV-CM%20List.pdf>.

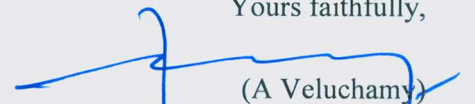
Further, PIA shall have to inspect the prime quality of CRGO used for manufacture of Power & Distribution Transformers during the stage inspection. The detailed check list for the inspection of prime quality CRGO used for manufacturing transformers has been mentioned at **Annexure-A** of Technical Specification stipulated in Volume-III under Section-I of SBD (enclosed for your ready reference). PIA shall issue **Inspection Clearance Report** after the inspection as per SBD mentioned above. REC Quality Monitor (RQM) in its inspection report pertains to power and distribution transformers have to invariably mention the compliance of the above by the PIA on the above.

In view of the above, all the PIAs are requested to strictly comply with the quality prescriptions for inspection of prime CRGO core used for manufacturing of Power Transformers & Distribution Transformers and issue the Inspection Clearance Certificate to ensure quality compliance. Non-compliance of inspection of prime CRGO core used for manufacturing of power and distribution transformers by the PIA as per SBD may invite rejection of lot of Power Transformers & Distribution Transformers offered for inspection.

PIA is also requested to ensure carrying out stage inspection and compliance of technical specification as per SBD for all the power and distribution transformers supplied and installed to enable us to book the same under the scheme.

This is for kind information and needful action by PIA.  
Thanking you

Yours faithfully,



(A Veluchamy)  
Addl. General Manager  
DDUGJY-QA

Enclosure: As above

Copy to: (1) All REC Quality Monitors (RQM) for kind information and strict compliance  
(2) Senior CPM/CPM, REC Regional/State Offices

**Regional** : Hyderabad, Kolkata, Mumbai, Panchkula & Lucknow  
**and** : Bangalore, Bhopal, Bhubaneswar, Chennai, Guwahati, Jaipur, Jammu, Patna, Ranchi, Shillong, Shimla,  
**State** : Thiruvananthapuram & Vadodara  
**Offices** : Dehradun, Raipur  
**Training Centre** : Central Institute for Rural Electrification (CIRE), Hyderabad

(Placed in the control room)

- Voltmeter
- "AUTO-MANUAL" control switch
- "RAISE-LOWER" control switch
- Tap position indicator
- Tap changer operation program indicator.

Transformer Tap Changer driving mechanism control cubicle

- "REMOTE-LOCAL-TEST" selector switch
- "AUTOMATIC-MANUAL" control switch
- "RAISE-LOWER" control switch
- Tap position indicator
- Tap changer operation program indicator
- Voltmeter
- Tap change operation counter
- Means for manual operation when power supply is lost

**Annexure - A**

**Check-list for Inspection of Prime quality CRGO for Transformers**

During inspection of PRIME CRGO, the following points needs to be checked by the Transformer manufacturer. Utility's inspector shall verify all these points during inspection:-

**i) In case PRIME CRGO cutting is at works of Transformer Manufacturer:**

Review of documents:

Purchase Order (unpriced) to PRIME CRGO supplier/Authorised Agency  
Manufacturer's test certificate

Invoice of the Supplier

Packing List

Bill of Lading

Bill of Entry Certificate by Customs Deptt.

Reconciliation Statement as per format below  
Certificate of Origin  
BIS Certification

**Format for Reconciliation/Traceability records**

Packing List No./date /Quantity of PRIME CRGO received

Name of Manufacturer

Manufacturer test certificate No./date

