



पावर फाइनेंस कॉर्पोरेशन लिमिटेड POWER FINANCE CORPORATION LTD.

(भारत सरकार का उपक्रम)

(A Govt. of India Undertaking)

(आई.एस.ओ. 9001:2015 प्रमाणित)

(ISO 9001:2015 Certified)

No:02:10:IPDS:2017:QCO: / 52357

Date: 14th Nov. 2017

To,
CMDs/MDs/Head of Utilities
(As per List attached)

Sub: Feedback on the performance of Amorphous Core Distribution Transformers

Dear Madam/Sir,

As you are aware that Bureau of Indian Standards (BIS) is the National Standards Body of India and IS 1180 (Part 1): 2014 specifies the requirements and tests for single and three-phase distribution transformers. Further, you are also aware that IS 1180 (Part 1): 2014 has been brought under mandatory BIS certification with effect from 01.02.2016 through Electrical Transformers (Quality Control) Order, 2015 issued by Department of Heavy Industries, Govt. of India. This standard specifies two types of materials, which may be used for the construction of transformer core: (1) Cold rolled grain oriented electrical steel and (2) Amorphous core material. Manufactures are free to use any of these two raw materials for the construction of core depending upon the intended use and/or customer requirements.

BIS has received representations from manufacturers associations, in which they have mentioned certain disadvantages and advantages of amorphous core transformers. Power utilities/discoms, being end user of the distribution transformers and having a long experience of purchase and utilization are well aware about the technicalities of distribution transformers manufactured from CRGO as well as amorphous core material.

We, therefore, seek your valuable feedback on the following aspects:

- 1) Whether your Utility has purchased and installed amorphous core distribution transformers. If yes, please provide rating, no. of transformers and area of installation (urban/rural).
- 2) Whether amorphous core transformers have helped in improving the energy efficiency in comparison to CRGO core transformers?
- 3) Technical issues, if any, in the use of amorphous core transformers.

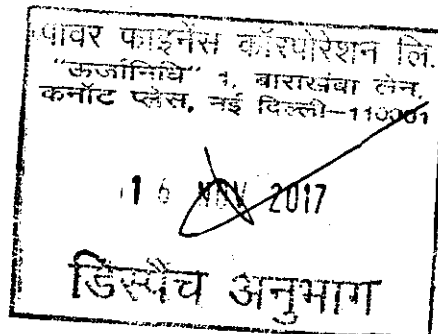
You are requested to provide us your feedback at the earliest so as to enable the concerned technical committee of BIS to take further decision in the matter.

Thanking you,

Yours faithfully,

A. Saxena

(Avkash Saxena)
ED (IPDS)



Utility & Address

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<p>Chairman & Managing Director Uttar Haryana Bijli Vitran Nigam Ltd. C-16, Vidyut Sadan, Sec.-6 Panchkula – 134 109.</p>
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