

BANGLADESH RURAL ELECTRIFICATION BOARD

BREB INSTRUCTION 500-16

**TESTING AND ENERGIZING OF THREE PHASE OIL
CITCUIT RE-CLOSER BY 11 KV SUPPLY SOURCE
IN SYSTEM OPERATION WORKSHOP**

**BANGLADESH RURAL ELECTRIFICATION BOARD
BREB INSTRUCTION 500-16**

Approval Date: 07/03/1979
Revision Date : 19/02/2020

**Subject: TESTING AND ENERGIZING OF THREE PHASE OIL CIRCUIT
RE-CLOSER BY 11 KV SUPPLY SOURCE IN SYSTEM OPERATION
WORKSHOP**

I. Purpose

To set forth BREB policy and prescribe procedure for testing and energizing three phase OCR by 11KV supply source in System Operation Workshop.

II. General

Three phase and single phase OCR are repaired in system operation workshop, BREB. After repair, it is essential to test them. For testing the Single phase OCR, it is not necessary to inject high voltage but for testing the three phase OCR, it is required to energize the OCR by high voltage (11KV) supply. The provision/arrangement has been made in system operation workshop to test the 3-phase OCR by 11KV supply. This 11KV supply source is created by transforming 440 volt to 11KV with the help of two single phase transformers. Re-closer

III. Responsibility

- 1) Only the Assistant Engineer and Deputy Director of workshop shall do the above test.
- 2) Before doing the test, the approved testing personnel shall enter the necessary information into the workshop register and shall take preparation and do the test on

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(Md. Mozibur Rahman)
Consultant TAPP BREB

(Md. Duhidul Islam)
Consultant TAPP BREB

(Md. Mozammel Haque)
Consultant TAPP BREB

(Md. Abul Khaleque)
Consultant TAPP BREB

(Md. Ahsanul Haque)
Consultant TAPP BREB

(Debasish Chakraborty)
PD, TAPP BREB

(Kamrul Ahsan Molla)
Asst Secy (Board) BREB

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getting written approval from the Director, System Operation in Form 500-16-01.

IV. Procedure

- 1) The test operator will observe the following steps chronologically during test:
 - a) At first inform the Meter testing laboratory and switch "OFF" the meter test room circuit breaker-"A".
 - b) Open 3-phase main supply switch in system operation workshop.
 - c) i) Remove the shorting strip of transformer.
ii) Make connections as per drawing and be sure that OCR is not on the roller.
 - (a) Be sure that connection is as per drawing. Look up the testing cell.
 - (b) Open the lock of circuit breaker box-"B".
 - (c) Be sure that red lever of OCR is in "Open" Position.
 - (d) Make workshop people alert and then make circuit breaker-"B" 'ON' 3-phase main supply switch.
 - (e) Close the yellow lever of OCR by hot stick. The test operator will be sure that it is working properly after closing.
2. The test operator will observe the following steps chronologically after test.
 - (a) Open" the OCR by hotstick.
 - (b) Put "OFF" the circuit breaker-"B" and lock up its box.
 - (c) Put "OFF" 3-phase main supply switch.
 - (d) Open the lock of testing cell, fix the short circuit strip between X1 and X2 bushing of transformers.
 - (e) Take the OCR out of testing cell and lock up the door.

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(Md. Mozibur Rahman)
Consultant TAPP BREB

(Md. Danidul Islam)
Consultant TAPP BRF

(Md. Mozahidul Haque)
Consultant, TAPP, BREB

(Md. Abdul Khaleque)
Consultant TAPP, BREB

(Md. Ansanul Haque)
Consultant, TAPP, BREB

(Debasish Chakraborty)
PD, TAPP, BREB.

(Kamrul Ahsan Mollik)
Asst. Secy. (Board), BREB

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- (f) At last, put "ON" the 3-phase main supply switch and make electricity available to meter testing lab by switching on its circuit breaker 'A' and inform it to meter technician.

V. Caution

- a) A caution Notice will be kept hung on the OCR test Enclosure wall. All hazardous and precautionary information will be put in writing on the Caution Notice.
- b) Rules, Regulations and procedures (to be followed during test after test) will be kept hung on the OCR test Enclosure.

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(Md. Mozibur Rahman)
Consultant, TAPP, BREB

(Md. Dunidul Islam)
Consultant, TAPP, BREB

(Md. Nozaniul Haque)
Consultant, TAPP, BREB

(Md. Abdul Khaleque)
Consultant, TAPP, BREB

(Md. Anisul Haque)
Consultant, TAPP, BREB

(Debasish Chakraborty)
PD, TAPP, BREB

(Kamrul Ansan Molla)
Asst. Secy. (Board), BREB

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বাংলাদেশ পল্লী বিদ্যুতায়ন বোর্ড

বাপবিবো ফরম নংঃ ৫০০-১৬-০১ (ভার্সন-০১)

সিস্টেম অপারেশন ওয়ার্কসপে তিন-ফেজ ওসিআর/এসিআর/ব্রেকার
১১ কেভিতে বিদ্যুতায়ন ও পরীক্ষাকরার ফরম

১। তিন-ফেজ ওসিআর/এসিআর/ব্রেকার এর বিবরণঃ

পবিস এর নাম : উপকেন্দ্রঃ
প্রাপ্তির তারিখ :
প্রস্তুতকারীর নাম :

২। অনুমোদিত পরীক্ষকদের নাম, পদবী এবং স্বাক্ষরঃ

৩। পরীক্ষার তারিখঃ সময়সূচী-শুরুঃ----- সমাপ্তঃ -----

৪। এ মর্মে প্রত্যয়ন করা যাচ্ছে যে, উল্লিখিত পরীক্ষার জন্য পূর্ব নির্ধারিত সতর্কীকরণ নিয়মাবলী অবলম্বন করা হয়েছে ও সংযোগ ড্রইং মোতাবেক সংযোগ প্রদান করা হয়েছে। তিন-ফেজ ওসিআর/ এসিআর/ ব্রেকার টি পরীক্ষার জন্য সম্পূর্ণভাবে প্রস্তুত আছে।

স্বাক্ষরঃ স্বাক্ষরঃ
নামঃ নামঃ
সহকারী প্রকৌশলী (ওয়ার্কসপ) উপ-পরিচালক (ওয়ার্কসপ)

৫। তিন-ফেজ ওসিআর/ এসিআর/ ব্রেকার টি পরীক্ষার জন্য অনুমোদন করা হ'ল

পরিচালক, সিস্টেম অপারেশন পরিদপ্তর

৬। পরীক্ষার ফলাফলঃ (ক) সন্তোষজনক
(খ) সন্তোষজনক নহে

সহকারী প্রকৌশলী (ওয়ার্কসপ)

উপ-পরিচালক (ওয়ার্কসপ)

(Kamrul Ahsan Mollik)
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(Md. Mozibur Rahman)
Consultant TAPP BREB

(Md. Duhidul Islam)
Consultant TAPP BREB

(Md. Mozammel Haq)
Consultant TAPP BREB

(Md. Abul Kalam)
Consultant TAPP BREB

(Md. Akramul Haque)
Consultant, TAPP, BREB

(Debasish Chakraborty)
PD, TAPP, BREB

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