

# PEHLA

GESELLSCHAFT FÜR ELEKTRISCHE HOCHLEISTUNGSPRÜFUNGEN  
Member of the SHORT-CIRCUIT TESTING LIAISON (STL)

## Test Confirmation

Report No.: 10048Ra - 0

Copy No.: 1

Contents: 2 Sheets

**Test object:** Metal-enclosed, air-insulated switchgear with vacuum circuit-breaker

**Designation:** Panel PH-700 with VCB VK-10M25

Rated voltage: 12 kV      Rated normal current: 1250 A      Rated frequency: 50 Hz

Serial No.: 129/2009 (switchgear)

A-147 (circuit-breaker)

Drawing No.: 2VB79-0063 (switchgear)

1VC19-0002/10 (circuit-breaker)

**Manufacturer:** Jyoti Limited, Switchgear Division, Vadodara, India

**Client:** Jyoti Limited, Switchgear Division, Vadodara, India

**Testing station:** PEHLA-Testing Laboratory Ratingen, Germany

**Date of test:** 16<sup>th</sup> March 2010

**Applied test specifications:**

The tests have been carried out in accordance with:

IEC 62271-100 / Ed. 2.0 / 2008-04, Clause 6.6

IEC 62271-200 / 1<sup>st</sup> Ed. / 2003-11, Clause 6.6

IEC 62271-1 / Ed. 1.0 / 2007-10, Clause 6.6

**Tests performed:**

Type tests 'Basic short-circuit test duties'.

Three-phase making and breaking capacity test based on 26.4 kA at 12 kV consisting of the basic test duties T10, T30, T60, T100s, T100a (dc-component of 34 %) and SPF at 50 Hz.

No-load operations and measurement of the resistance of the main circuit before and after the tests.

**Test results:**

The test object passed the tests performed in accordance with the applied test specifications.

Detailed results will be documented in a separate document.



GESELLSCHAFT FÜR ELEKTRISCHE  
HOCHLEISTUNGSPRÜFUNGEN

Klaus Niemeyer

André Schuermann

Observers of the test  
Representatives of Technical Committee

Ratingen, 18<sup>th</sup> March 2010

The test results relate only to the items tested.

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