

# PEHLA

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

## Test Confirmation

Report No.: 10045Ra - 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-151 (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:** 10<sup>th</sup> to 12<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 6.111

### Tests performed:

Type tests 'Cable-charging current switching tests' and 'capacitor bank current switching tests'.  
Three-phase class C1 cable-charging current switching tests based on 12 kV - 25 A consisting of test duties CC1 at 50 Hz.  
Three-phase class C1 capacitor bank current switching tests based on 12 kV - 400 A consisting of test duties BC2 and BC1 at 50 Hz.  
No-load operations and measurement of the resistance before and after the switching 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

  
Manfred Thom

  
Sebastian Martinek

Observers of the test  
Representatives of Technical Committee

Ratingen, 22<sup>nd</sup> March 2010

The test results relate only to the items tested.  
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