

# PEHLA

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

## Test Confirmation

Report No.: 10015Ra - 0

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Contents: 2 Sheets

**Test object:** Metal-enclosed, air-insulated switchgear equipped with vacuum circuit-breaker  
**Designation:** PH-800F equipped with VK-10M25F, width 800 mm  
Rated voltage: 12 kV      Rated normal current: 1250 A      Rated frequency: 50 Hz  
Serial No.: 130/2009 (switchgear)  
A-145(F) (circuit-breaker)  
Drawing No.: 2VB79-0235 (switchgear)  
1VC19-0048/04 (circuit-breaker)  
**Manufacturer:** Jyoti Sohar Switchgear L.L.C., Sohar, Sultanate of Oman (switchgear)  
Jyoti Limited, Switchgear Division, Vadodara, India (circuit-breaker)  
**Client:** Jyoti Sohar Switchgear L.L.C., Sohar, Sultanate of Oman  
**Testing station:** PEHLA-Testing Laboratory Ratingen, Germany  
**Date of test:** 9<sup>th</sup> January 2010

**Applied test specifications:**

The tests have been carried out in accordance with client's instructions based on:  
IEC 62271-1, Edition 1.0, 2007-10, clause 6.2.1, 6.2.3, 6.2.4, 6.2.5, 6.2.6,  
IEC 62271-200, 1<sup>st</sup> Edition, 2003-11, clause 6.2.1, 6.2.3, 6.2.4, 6.2.5, 6.2.6.

**Tests performed:**

Dielectric test

Standard lightning impulse withstand voltage test at 75 kV and power-frequency withstand voltage test at 28 kV to earth, between phases and across circuit-breaker and switch disconnecter.

**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

Herbert Feld

Rafael Kerkhoff

Observers of the test  
Representatives of Technical Committee

Ratingen, 29<sup>th</sup> March 2010

The test results relate only to the items tested.  
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