

PEHLA

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

Test Confirmation

Report No.: 10052Ra - 0

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Contents: 2 Sheets

Test object: Metal-enclosed, air-insulated switchgear with vacuum circuit-breaker
Designation: Panel PH-700F with VCB VK-10J25F
Rated voltage: 12 kV Rated normal current: 630 A Rated frequency: 50 Hz
Serial No.: 131/2009 (switchgear)
A-146(F) (circuit-breaker)
Drawing No.: 2VB79-0233, Rev. 03 (switchgear)
1VC19-0048/02, Rev. 01 (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: 18th to 25th 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.
Test duty CC2 performed as combined test with test BC2. All requirements for CC2 are fulfilled by BC2.
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

Thorsten Kräwer

André Schuermann

Observers of the test
Representatives of Technical Committee

Ratingen, 26nd March 2010

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