PROVISIONAL REPORT

WO. NO. LSWGWO0065251/ Date: 1/11/2008

ABB LTD
PLOT NO.79, STREET NO.17
MIDC INDUSTRIAL AREA
SATPUR
NASHIK-422 007.

I) Sample details : 12 kV VACUUM CIRCUIT BREAKER

Type designation : ABB made [CGL – BOCB] Retrofit Breaker
Sr. No. : SN 1280
Manufacturer’s Name : ABB LTD, NASHIK
Rated voltage : 12kV
Rated Normal current : 800A
No. of pole : 3
Drawing No. : 1VYN301801-F (Rev. 00) (Sheet 1 of 1)
PTMVT08413-C (Sheet 1 of 1)
(Total 2 Nos)

Quantity (tested) : 1 No.
ERDA sample code no. : LSWGWO0065251/01
Further details as per annexure - I

II) Reference standard : IEC 62271-100-2008

III) Test conducted : Temperature- rise test (CL.No.6.5)

IV) Date of testing : 20/10/2008 To 21/10/2008

V) Remarks : Sample conforms to the requirements of the standard
for the Temperature-rise test.

Prepared By

Checked By

Approved By
PROVISIONAL REPORT

Date: 23/10/2008

M/s. ABB LIMITED
Technology Centre
Plot No.79, Street No. 17,
MIDC Industrial Area,
Satpur Nashik – 422 007

1. Details of Equipment tested:

12 kV RETROFIT BREAKER
Rated Voltage : 11 kV
H.S.V. : 12 kV
Rated Current : 800 A
B.I.L. : 28 kVrms/ 75 kVp
Frequency : 50 Hz
STC : 20 kA for 3 sec.
No. of Phase : 03
Operating Cycle : 0 – 0.3sec – CO – 3min–CO
VCB Sr No : V_{max} 1280
VCB Type : ABB made (CGL-BOCB)
Retrofit Breaker
VCB Make : ABB Ltd.
Interrupter Type : VGE4
Interrupter Sr.No. : R : IN00007542, Y : IN00007678
& B : IN00009376
Interrupter Make : ABB Ltd.
Drg. No. : (1) PTMV08413-B &
(2) IVYN301801-F
ERDA ID No. : LSWGWO 0065251/01


3. Test conducted : LIGHTNING IMPULSE VOLTAGE WITHSTAND TEST AT 75 kVp

4. Date of test : 22/10/2008

5. Test witnessed by : Mr. Sunil Barot - ABB Ltd. Nashik
Mr. Shailendra Singh - ABB Ltd. Nashik

6. Results : The sample CONFORMS to the requirements of the above mentioned reference standard with respect to the test carried out.

NOTE : This report is purely provisional. Final report will be issued within short time.
ANNEXURE – I

TECHNICAL SPECIFICATION ASSIGNED BY THE CUSTOMER:

12 kV VACUUM CIRCUIT BREAKER

1. Reference standard : IEC 62271 -100 - 2008
2. Manufacturers name & address : ABB LTD, NASHIK.
3. Type Designation : ABB made [CGL – BOCB] Retrofit Breaker
4. Serial Number : SN 1280
5. Rated Voltage : 12kV
6. Rated Normal current : 800A
7. Rated frequency : 50Hz
8. Number of poles : 3
9. Basic Insulation level : 28kV rms/75kVp
10. Basic Insulation level : 28kV rms/75kVp
11. Rated Short time withstand current & duration (Icw) : 20kA for 3 sec.

12. Vacuum circuit breaker details
   - Type Designation : Vmax
   - Make : ABB LTD, NASHIK.
   - Serial Number : SN 1280
   - Rated Operational Voltage : 12kV
   - Rated Operational current : 800A
   - Rated frequency : 50Hz
   - Number of poles : 3
   - Basic Insulation level : 28kV rms/75kVp

13. Vacuum interrupter details
   - Type : VGE 4
   - Make : ABB LTD.
   - Serial Number
     R-Phase : IN 00007542
     Y-Phase : IN 00007678
     B-Phase : IN 00009376

Prepared By

Checked By