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CENTRAL POWER RESEARCH INSTITUTE
GOVINDPURA : BHOPAL – 462 023

PROVISIONAL REPORT

22 FEB 2010

Test Report No.S2100221

Date of test : 19.02.2010

1. **Customer:** M/s Alfa Automation (P) Ltd., Rourkela
2. **Sample tested:** 50 kA, 2000A, PCC Panel
3. **Serial Number:** Nil
4. **Sample Code No.:** STDSST210S0273
5. **Type:** Nil
   5.1 **Designation:** Nil
6. **Drawing Number:** AAPL/DRG/09-10/CPRI/A-01/097 sheet 1 of 2,
   AAPL/DRG/09-10/CPRI/A-01/097 sheet 2 of 2
   (Drawings to be revised and verified)
7. **Rating of the Sample:**
   7.1 **Rated Voltage :** 415 V
   7.2 **Rated Current :** 2000 A
   7.3 **Rated Insulation voltage :** 690 V
   7.4 **Rated short time current:** 50 kArms for 1.0 second with initial peak of 105 kA
8. **Sample tested for the following ratings:**
   8.1 **Voltage :** 415 V
   8.2 **Current :** 2000 A
   8.3 **Insulation voltage :** 690 V
   8.4 **Short time current:** 50 kArms for 1.0 second with initial peak of 105 kA
9. **Type of test carried out:** Verification of the short circuit withstand

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9	Type of test carried out:	Verification of the short circuit withstand strength
10	Specification followed:	As per cl. 8.2.3 of IS:3623 (Part-1), 1993
11	Test results:	

Oscillogram No.	Short time current in kAp/kArms			Duration in second	Equivalent current for 1.0 secondin kArms
	R	Y	B		
S2100221.S02	105.66/50.92	50.52	50.48	1.0	50.92
(Three phase STC test on HBB+VBB)					
S2100221.S04	65.00/30.68	"	"	1.0	30.68
(Single phase STC test on neutral & nearest phase of HBB+VBB)					

Observations: No abnormality. Fine wire fuse intact. All busbars and supports intact.

Remarks: After short circuit test the sample withstood HV test at 3.0 kVrms for one minute as per standard.

TEST ENGINEER

LABORATORY IN-CHARGE

संयुक्त निदेशक
Joint Director
केन्द्रीय विद्युत अनुसंधान संस्थान
Central Power Research Institute
स्विचगियर परीक्षण तथा विकास केन्द्र
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This is only a provisional report. The final report alongwith drawings and other documents will be issued separately within one month from the date of test.

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