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## CENTRAL POWER RESEARCH INSTITUTE GOVINDPURA : BHOPAL – 462 023

### PROVISIONAL REPORT

Test Report No.CPRIBPLSTNB1819T0668

Date of test: 31<sup>st</sup> August, 2018

1. **Customer:** M/s Penclotek Panels Pvt. Ltd., Ghaziabad
2. **Sample tested:** LT Panel (Non Extendable)
3. **Serial Number:** Nil
4. **Sample Code No.:** STNB1819S0770
5. **Type:** PCC/MCC
- 5.1 **Designation:** Nil
6. **Drawing Number:** PPPL/CPRI/65KA/02 Sheet No. 1 of 2 & PPPL/CPRI/65KA/02 Sheet No. 1 of 2  
(Drawings to be revised and verified)
7. **Rating of the Sample:**
  - 7.1 **Rated Voltage :** 415 V
  - 7.2 **Rated Current :** 4000 A
  - 7.3 **Rated Insulation voltage :** 660 V
  - 7.4 **No. of phases :** Three phase + Neutral
  - 7.5 **Degree of protection:** -
  - 7.6 **Material group:** -
  - 7.7 **Rated short time current:** 65 kArms for 1.0 second with initial peak of 143 kA
8. **Sample tested for the following ratings:**
  - 8.1 **Voltage :** 415 V
  - 8.2 **Current :** 4000 A
  - 8.3 **Insulation voltage :** 660 V
  - 8.4 **Short time current:** 65 kArms for 1.0 second with initial peak of 143 kA
9. **Type of test carried out:** Verification of the short circuit withstand strength
10. **Specification followed:** As per cl. 8.2.3 of IS:8623 ( Part -1), 1993
11. **Test results:**

Oscillogram No.	Short time current in kApk/kArms			Duration in second	Equivalent current for 1.0 second in kArms
	R	Y	B		
CPRIBPLSTNB 1819T0668.S02	65.58	65.89	144.52/65.68	1.0	65.89
(Three phase short circuit withstand strength test conducted on main circuit busbars consisting of HBB+VBB)					
CPRIBPLSTNB 1819T0668.S04	83.58/39.79			1.0	39.79
(Single phase short circuit withstand strength test conducted on neutral & nearest phase of main circuit busbars consisting of HBB+VBB)					

**Observations:** No abnormality. Fine wire fuse intact. All busbars & supports found intact.

**Remarks:** After test, the sample withstood HV test at 2.5 kVrms for one minute as per standard.

**TEST ENGINEER**

*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.*

**LABORATORY IN-CHARGE**

Additional Director

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