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GOVINDPURA : BHOPAL – 462 023**

**PROVISIONAL REPORT**

**26 MAR 2024**

**Test Report No.CPRIBPLSTNBMISC24T0114**

**Date of test: 21 March 2024**

1. **Customer:** PASD Automation and Engineering Pvt. Ltd., Pune, Maharashtra- 411035
2. **Sample tested:** 415 V, 4000 A, LT Panel (Extendable)
3. **Serial Number:** PASD/CPRI/70/1
4. **Sample Code No.:** STNBMISC24S0185
5. **Type:** PCC/MCC/ACDB/DCDB
- 5.1 **Designation:** 4000Amp, Panel
6. **Drawing Number:** CPRI/70KA/01 REV. R0 SHEET 1 OF 3, CPRI/70KA/01 REV. R0 SHEET 2 OF 3 & CPRI/70KA/01 REV. R0 SHEET 3 OF 3
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:** IP43
  - 7.6 **Form of separation:** 3B
  - 7.7 **Pollution degree** 3
  - 7.8 **Material group:** II
- 7.7 **Rated short time current:** 70 kArms for 1.0 second with initial peak of 154 kApk
8. **Rating for which tested:** 70 kArms for 1.0 second with initial peak of 154 kApk
9. **Type of test carried out:** Verification of short circuit withstand strength test
10. **Specification followed:** As per customer's requirement and procedure generally followed as per cl.10.11.5.3.3 & 10.11.5.3.5 of IEC:61439-1,2020 & IEC:61439-2, 2020
- 10.1 **Customer's requirement** Short circuit withstand strength test to be conducted on main busbars only.
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 MISC24T0114S002	92.00/42.62			1.0	42.62
(Single phase short circuit withstand strength test conducted on neutral & nearest phase of main circuit busbars consisting of HBB+VBB)					
CPRIBPLSTNB MISC24T0114S004	155.4/71.64	71.07	70.82	1.0	71.64
(Three phase short circuit withstand strength test conducted on 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 1.0 kVrms for sixty second.

**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.*

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