



CENTRAL POWER RESEARCH INSTITUTE
GOVINDPURA : BHOPAL – 462 023

20 AUG 2026

PROVISIONAL REPORT

Test Report No.CPRIBPLSTNBMISC26T0288

Date of test: 20 August 2026

1. **Customer:** Telepower Engineers
1st F-44, 156A, Lenin Sarani, Waylington, Kolkata, West Bengal- 700013
2. **Sample tested:** 415 V, 4000 A, LT Panel (Extendable)
3. **Serial Number:** TE/TEST/701
4. **Sample Code No.:** STNB26S1366
5. **Type:** Power Cum Motor Control Centre
- 5.1 **Designation:** Main Distribution Panel
6. **Drawing Number:** TE/TEST/701 Sheet 1 of 4, TE/TEST/701 Sheet 2 of 4, TE/TEST/701 Sheet 3 of 4, TE/TEST/701 Sheet 4 of 4 (Drawings to be revised and verified)
7. **Rating of the Sample:**
 - 7.1 **Rated Voltage :** 415 VAC
 - 7.2 **Rated Current :** 4000 A
 - 7.3 **Rated Insulation voltage :** 690V
 - 7.4 **No. of phases :** Three phase + Neutral
 - 7.5 **Impulse level if any:** -
 - 7.6 **Material group:** -
 - 7.7 **Pollution degree:** -
 - 7.8 **Form of separation:** -
 - 7.9 **Degree of protection:** IP43
- 7.6 **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 MISC26T0288S002	91.09/42.83			1.0	42.83
(Single phase short circuit withstand strength test conducted on neutral & nearest phase of main circuit busbars consisting of HBB+VBB only)					
CPRIBPLSTNB MISC26T0288S004	160.31/71.71	71.11	70.16	1.0	71.71
(Three phase short circuit withstand strength test conducted on main circuit busbars consisting of HBB+VBB only)					

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 seconds.

TEST ENGINEER

This is only a provisional report. The final report along with drawings and other documents will be issued shortly

LABORATORY IN-CHARGE

Joint Director
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