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

**PROVISIONAL REPORT**

11 0 MAR 2010

Test Report No.S2090283

Date of test : 09.03.2010

1. **Customer:** M/s RPG Cable Ltd, Thane.
2. **Sample tested:** 64/110 (123) kV, 1x400 sq.mm. VGXLPE Cable
3. **Serial Number:** Nil
4. **Sample Code No.:** STDSST210S0398
5. **Type:** 2XWCLY2Y
- 5.1 **Designation:** Nil
6. **Drawing Number:** TNEB (Drawing to be revised and verified)
7. **Rating of the Sample:**
- 7.1 **Rated Voltage :** 64 kV
- 7.2 **Rated Current :** -
- 7.3 **Rated Insulation voltage :** -
- 7.4 **No of phases:** One Core
- 7.5 **Rated short time current:** 31.5 kArms for 3.0 secs.
8. **Sample tested for the following ratings:**
- 8.1 **Voltage :** 64 kV
- 8.2 **Current :** -
- 8.3 **Insulation voltage :** -
- 8.4 **Short time current:** 31.5 kArms for 3.0 secs.
9. **Type of test carried out:** Short time current test on Metallic sheathed copper wire + Lead sheath
10. **Specification followed:** As per customer's requirement
- 10.1 **Customer's requirement:** Nil
11. **Test results:**

Oscillogram No.	Short time current in kArms R	Duration in seconds	Equivalent Current for 3.0 secs. in kArms	Observation
S2100283.S02	31.94	3.0	31.94	No abnormality Cable intact

Single phase test on Conductor of the cable & metallic sheath (copper wire + lead sheath). Injection of the short circuit current is made through conductor & return through the metallic sheathed (copper wire + lead sheath) on the same side. The conductor, copper wire & lead sheath are shorted together on the other side.

**Remarks:** During test on conductor the cable was preheated upto 90°C. After short circuit test the maximum temperature attained by conductor was 175°C. The length of cable was 15 metres during test.

**TEST ENGINEER**

**LABORATORY IN-CHARGE**

*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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