



# केन्द्रीय विद्युत अनुसंधान संस्थान

(भारत सरकार की सोसाइटी, विद्युत मंत्रालय)

प्रो.सर.सी.वी. रामन रोड, सदाशिवनगर डाक घर, पो.बा.सं. 8066, बेगलूरु - 560 080, भारत

## CENTRAL POWER RESEARCH INSTITUTE

(A Government of India Society, Ministry of Power)

Prof. Sir C.V. Raman Road, Sadashivanagar Post Office, P.B. No. 8066, Bengaluru - 560 080, India.  
website : <http://cpri.res.in/>

सं./No. CPRI BLRHVDMISC22T0879

दिनांक / Date: 22 December 2022

सेवा में, / To,

M/s. Neocrete Technologies Pvt. Ltd.,  
B-8/1, Veerasandra Industrial Area,  
Electronic city Post, Bangalore - 560100. Karnataka.  
India

विषय / Sub:- परीक्षण रिपोर्ट / Test Report

महोदय / Dear Sir(s),

आपके दिनांक 13 December 2022 के अनुरोध पर रिपोर्ट सं. CPRI BLRHVDMISC22T0879 दिनांक 22 December 2022 इसके साथ संलग्न है।

With Reference to your request dated 13 December 2022, we are enclosing herewith report No./s CPRI BLRHVDMISC22T0879 dated 22 December 2022. कृपया पावती भेजें / Kindly acknowledge the receipt of the same.

कृपया ध्यान दें कि संलग्न परीक्षण रिपोर्ट में विषमताएँ / विसंगतियाँ, यदि कोई पाई गई तो इस पत्र की प्राप्ति के 45 दिनों के अंदर सीपीआरआई के ध्यान में लाएँ।

Please note that anomalies/discrepancies in the test report enclosed, if any, shall be brought to the notice of CPRI within 45 days of receipt of this letter.

साथ ही, कृपया ध्यान दें कि इस पत्र के जारी दिनांक से 15 दिनों के भीतर परीक्षण के लिए लाए गए नमूने तथा उनके साथ लाई गई अतिरिक्त सामग्री उच्च वोल्टता प्रयोगशाला के परिसर से हटा दी जाएगी। उपरोक्त अवधि के बाद किसी भी दावे पर विचार नहीं किया जाएगा तथा कुछ और दिनों के लिए नमूनों को रखने के लिए इस अवधि के अंदर कोई लिखित अनुरोध की अनुपलब्धि पर सीपीआरआई के मानकों के अनुसार नमूनों का निपटारा किया जाएगा।

Also, please note that the samples and any additional material brought along with them for the testing shall be removed from the High Voltage Laboratory premises within 15 days from the date of issue of this letter. No claims will be entertained after the above period and samples will be disposed off as per CPRI norms, unless written request is received within this period for retaining the samples for a few more days.

भविष्य में भी हमारी सर्वोत्तम सेवाओं के आश्वासन तथा धन्यवाद के साथ।

Thanking you and assuring you of the best of our services in the future also.

भवदीय / Yours faithfully,

(जी. पांडियन / G. Pandian)

संयुक्त निदेशक एवं प्रभागीय प्रधान / Joint Director & HOD  
उच्च वोल्टता प्रभाग / HIGH VOLTAGE DIVISION

CPRI

TEST REPORT



Central Power Research Institute

(A Govt. of India Society)  
P.B. No. 8066, Sadashivanagar P.O.,  
Prof. Sir. C.V. Raman Road,  
Bangalore - 560 080



CENTRAL POWER RESEARCH INSTITUTE  
(Member of STL)  
TEST REPORT



CPRI

Test Report Number : CPRIBLRHVDMISC22T0879 Date: 22 December 2022

Name and Address of the customer : M/s.Neocrete Technologies Pvt. Ltd.,  
B-8/1, Veerasandra Industrial Area,  
Electronic city Post, Bangalore – 560100. Karnataka. India.

Ref: Nil Dated: 13 December 2022.

Name and Address of the Manufacturer : M/s.Neocrete Technologies Pvt. Ltd.,  
B-8/1, Veerasandra Industrial Area,  
Electronic city Post, Bangalore – 560100. Karnataka. India.

Particulars of samples tested

Type : Nil

Description of test sample : Neoflor VF Coated metal plate of Size – 1M Length X 1M  
Breadth X 7mm Thickness.

Serial Number : Nil

Number of samples tested : One

Date(s) of test(s) : 13 December 2022.

CPRI sample code Number(s) : HVD22S0898.

Particulars of tests conducted : Refer sheet 2 of 4.

Test in accordance with Standard/Specification. : Refer sheet 2 of 4.

Sampling Plan : Not Applicable.

Customer's requirement : Nil.

Deviations if any : Nil.

Name of the witnessing persons

Customer's representative : Mr. Thamaraikani.

Other than customer's representatives : Nil.

Test subcontracted with address of the laboratory : None.

Documents constituting this report(in words)

Number of Sheets : Four.


Number of Oscillogram(s) : Nil.

Number of Graph(s) : Nil.


Number of Photograph(s) : One.

Number of Test Circuit Diagram(s) : One.

Numbr of Drawing(s) : One.

  
(Suresh)  
Test Engineer



  
(G. Pandian)  
Head of Division  
Reviewed and Authorized by

**CENTRAL POWER RESEARCH INSTITUTE**  
(Member of STL)  
**TEST REPORT**



Test Report Number: CPRIBLRHVDMISC22T0879

Date: 22 December 2022

**SUMMARY OF TESTS CONDUCTED**

1. Tests conducted : Customer Defined Test.
2. Rating for which tested : Nil.
3. Schedule of tests

| Sl. No. | Test conducted                         | Clause Numbers  | Sheet  |
|---------|--|---|--------|
| 1       | Power Frequency Voltage Withstand Test | Generally as per IEC 60060-1:2010 and as per customer's Procedure | 3 of 4 |

4. Oscillogram Numbers : Nil.
5. Graph Numbers : Nil.
6. Photograph Numbers : P01.
7. Test Circuit Diagram Numbers. : TCD01.


**Drawing Numbers**

**Drawing Numbers**

The manufacturer has guaranteed that the sample submitted for the test(s) has been manufactured in accordance with the following drawings

| Sl. No. | Drawing Number | Sheet Number | Revision Number |
|---------|----------------|--------------|-----------------|
| 1       | NTPL/010       | -            | -               |

It is verified that these drawings adequately represent the sample tested. Verification of this drawing by CPRI is limited to dimensional check only wherever possible.

  
(Suresh)  
Test Engineer



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**TEST REPORT**



Test Report Number: CPRIBLRHVDMISC22T0879

Date: 22 December 2022

**TEST RESULTS**

**1. Power Frequency Voltage withstand Test**


**Test Procedure:** The 1Mtr X 1mtr X 7mm coated aluminum Plate of insulating material of 1mm thickness shall be placed on grounded metal plate. Two electrodes of 62mm diameter & 25mm Height were used to test the sheet. The test specimen was placed between them and voltage shall be initially at a constant rate of rise, until the specified test voltage level is reached. The test is deemed successful if the specified test voltage is reached and maintained for one Minute. Test voltage of 33kV (rms) to be applied to the insulator for one Minute.

| Sample Number | Test voltage (kV <sub>rms</sub> ) | Remarks                  |
|---------------|-----------------------------------|--------------------------|
|               | At ambient atmosphere             |                          |
| 1             | 33                                | Withstood for One Minute |

**Ambient conditions during testing:**

| Test Description                       | Temperature in Degree Celsius |          | Atmospheric Pressure in mbar |
|--|-------------------------------|----------|------------------------------|
|  | Dry Bulb                      | Wet Bulb |                              |
| Power Frequency Voltage withstand Test | 24                            | 20       | 911                          |

**Conclusion:** The sample tested complies with the requirements of the customer for the test conducted.

  
(Suresh)  
Test Engineer

CENTRAL POWER RESEARCH INSTITUTE  
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TEST REPORT



Test Report Number: CPRIBLRHVDMISC22T0879

Date: 22 December 2022

NOTE

- a) The Test results relate only to the sample(s) tested.
- b) Publication or reproduction of the Test Report/ Test Certificate in any form other than by complete set of the whole Test Report /Test Certificate and in the language written is not permitted without the written consent of CPRI.
- c) Any Corrections/erasure invalidates the Test Report/ Test Certificate
- d) Any anomaly/discrepancy in the Test Report/ Test Certificate should be brought to the notice of CPRI within 45 days from the date of issue.
- e) All documents constituting the Test Report/ Test Certificate are stitched together with a continuous silk thread/silk ribbon, the two ends of which have been brought over the front sheet of the Test Report/ Test Certificate and sealed with a CPRI logo printed paper sticker/embossed.

(Suresh)  
Test Engineer

-----End of Test Report-----



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TEST REPORT

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TEST REPORT



**CPRI**

Test Report Number: CPRIBLRHVDMISC22T0879


Date: 22 December 2022

Test Report Number: CPRIBLRHVDMISC22T0879

Date: 22 December 2022



Photograph number P01  
Test sample

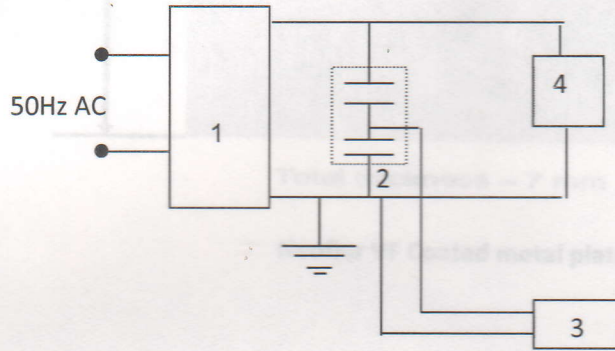
  
(Suresh)  
Test Engineer

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TEST REPORT



Test Report Number: CPRIBLRHVDMISC22T0879

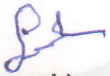
Date: 22 December 2022




**Legend:**

- 1: HV AC Source
- 2: Voltage Divider
- 3: RMS Voltmeter
- 4: Test Sample

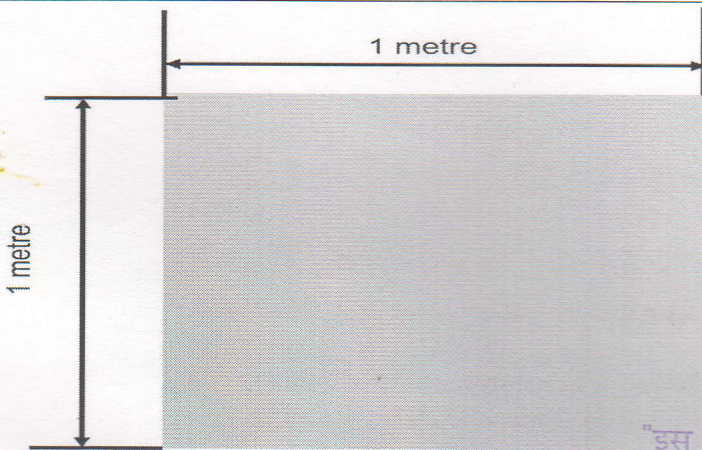
TCD01 : Schematic Diagram for Power Frequency Test

  
(Suresh)  
Test Engineer

  
TEST ENGINEER  
HIGH VOLTAGE DIVISION  
CPRI  
BANGALORE - 560 080

Drawing Number - HTPL/010  
Neocrete Technologies Pvt Ltd  
B-8/1, Veerasandra Indl. Estate, Electronic City,  
Bangalore - 560 100

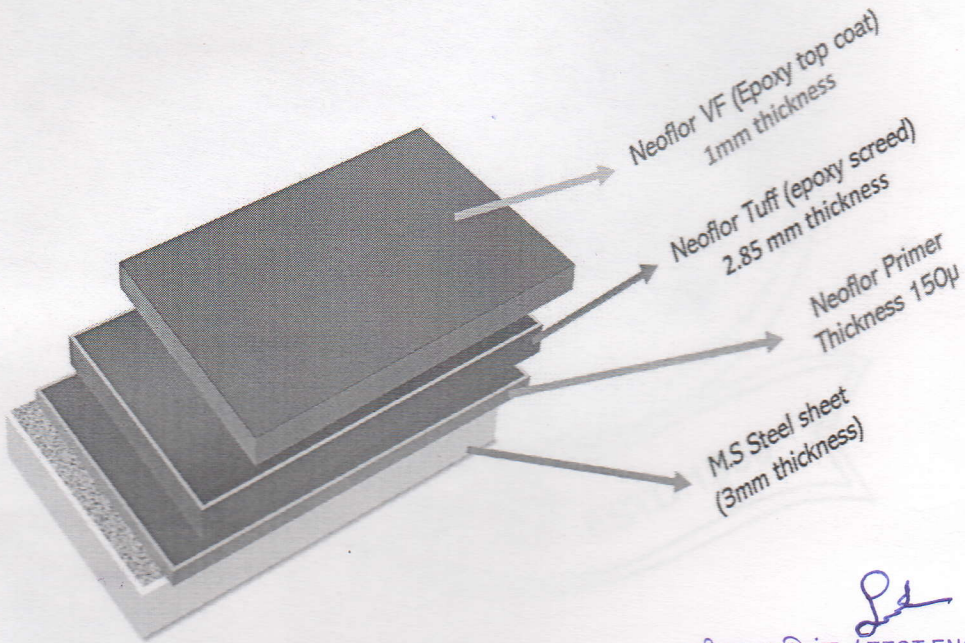




Total thickness – 7 mm

Neoflor VF Coated metal plate

"इस चित्र का साक्ष्यांकन महत्वपूर्ण  
आमापों की जाँच तक ही सीमित है।"  
"ATTESTATION OF THIS DRAWING IS  
LIMITED TO THE CHECKING OF  
IMPORTANT DIMENSIONS ONLY"



*Pa*  
परीक्षण अभियंता / TEST ENGINEER  
उच्च वोल्टता प्रभाग / HIGH VOLTAGE DIVISION  
सी पी आर आई / CPRI  
बेंगलूर / BANGALORE - 560 080

इस रेखाचित्र परीक्षण दस्तावेज

सं. सीपीआरआईबीएलआरएचवीडीएमआईएससी22टी.....से संबंधित है।

THIS DRAWING PERTAINS TO TEST REPORT

No. CPRI BLRHVDMISC22T 0879

Date 22 December 2022

Drawing Number -NTPL/010

Neocrete Technologies Pvt Ltd  
B-8/1, Veerasandra Indl. Estate, Electronic City,  
Bangalore - 560 100.