



केन्द्रीय विद्युत अनुसंधान संस्थान

(भारत सरकार की सोसाईटी, विद्युत मंत्रालय)

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

CENTRAL POWER RESEARCH INSTITUTE

(A Govt of India Society under Main. of Power)

Prof. Sir C.V. Raman Road, Sadashivanagar P.O., P.B. No. 8066, Bangalore - 560 080, India

वेबसाईट/website : <http://www.cpri.in>

सं./No. CPRI BLRHVDMISC19T0689

दिनांक/Date: 16/09/2019

सेवा में /To

म/स. मिनचू,
नो.345/21, 28त मै, 38त क्रॉस,
जयनागर - 9त ब्लॉक,
बेंगालुरू - 560 069.

M/s. MINCHU,
No.345/21, 28th Main, 38th Cross,
Jayanagar - 9th Block,
Bengaluru - 560 069.

विषय/ Sub:- परीक्षण रिपोर्ट/ Test Report

महोदय /Dear Sir(s),

आपके दिनांक 26/08/2019 के अनुरोध पर रिपोर्ट सं CPRI BLRHVDMISC19T0689 दिनांक 16/09/2019 इसके साथ संलग्न है।

With Reference to your request dated. 26/08/2019, we are enclosing herewith report No./s CPRI BLRHVDMISC19T0689 dated 16/09/2019 कृपया पावती भेजे / 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.

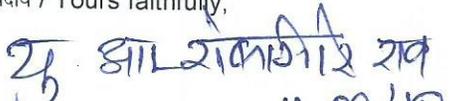
साथ ही, कृपया ध्यान दें कि इस पत्र के जारी दिनांक से 15 दिनों के भीतर परीक्षण के लिए लाए गए नमूने तथा उनके साथ लाई गई अतिरिक्त सामग्री उच्च वोल्टता प्रयोगशाला के परिसर से हटा दी जाएँगी। उपरोक्त अवधि के बाद किसी भी दावे पर विचार नहीं किया जाएगा तथा कुछ और दिनों के लिए नमूनों को रखने के लिए इस अवधि के अंदर कोईलिखित 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 of 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 का आश्वासन तथा धन्यवाद के साथ।

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

भवदीय / Yours faithfully,


(यु आर शेषगिरि राव) 16.09.19

(U R SHESHAGIRI RAO)

संयुक्त निर्देशक & एच ओ डी/ ADDITIONAL 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



CPRI

TEST REPORT

Test Report Number : CPRIBLRHVDMISC19T0689 **Date:** 16/09/2019

Name & Address of the customer : M/s. MINCHU,
No.345/21, 28th Main, 38th Cross,
Jayanagar – 9th Block,
Bengaluru – 560 069.
Ref. No.: Nil **Dated:** 26/08/2019.

Name & Address of the Manufacturer : M/s. MINCHU,
No.345/21, 28th Main, 38th Cross,
Jayanagar – 9th Block,
Bengaluru – 560 069.

Particulars of samples tested
Condition of the sample on receipt : New.
Type : Pen type.
Description of test sample : Non – Contact Voltage Tester (NCVT).
Serial Number : 0022.
Number of samples tested : One.
Date(s) of test(s) : 26/08/2019.
CPRI sample code number : HVD19S0621.
Particulars of tests conducted : Power frequency voltage sensing test with respect to distance.
Test in accordance with standard / Specification. : As per Customer request.
Sampling Plan : Not Applicable.
Customer's requirement : Nil.
Deviations if any : Nil.
Name of the witnessing persons
Customer's representatives : Mr. Pranav.C.M.
Other than customer's representatives : Nil.
Test subcontracted with address of the laboratory : None.
Documents constituting this report(in words)
Number of sheets : Three.
Number of oscillogram/s : Nil.
Number of graphs : Nil.
Number of photo/s : Nil.
Number of test circuit diagrams : Nil.
Number of drawings : Two {Drawing No.1) 01, Rev.00,
2) 02, Rev.00}

k.eit
(K.MARIMUTHU)
Test Engineer



U.R. Sheshagiri Rao
(U.R. SHESHAGIRI RAO)
Head of Division
Approved by

CENTRAL POWER RESEARCH INSTITUTE



TEST REPORT

Test Report No. CPRIBLRHVDMISC19T0689

Date: 16/09/2019

1) Power frequency voltage sensing test with respect to distance

Test Procedure

The NCVT tester (1) is mounted on a movable insulated support as shown in Drawing No.02. A known power frequency voltage is applied from power frequency source (3) as shown in Drawing No.02 at a known distance. The test is repeated by changing the power frequency voltage and the distance between source and the movable insulating support. The sensor was making a buzzer sound and LED light glow for corresponding voltages. The distances with respect to the applied voltages are shown in the table.

Table showing Test Results

Sl. No.	Test Voltage kV(rms)*	Measured Distance in mm
1	2.2	460
2	3.0	560
3	5.0	990
4	7.0	1170
5	9.0	1450
6	11	1770
7	15	2130
8	18	2320

* These voltages are applied under ambient condition which is given below:

Temperature in Degree Celsius			Atmospheric Pressure in mm of Hg.
	Dry Bulb	Wet Bulb	
*	26	21	681

k.eit
(K.MARIMUTHU)
Test Engineer

CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT



Test Report No. CPRIBLRHVDMISC19T0689

Date: 16/09/2019

NOTE

- a) The test results relate only to the item(s) tested.
- b) Publication or reproduction of the test report /certificate in any form other than by complete set of the whole test report /certificate and in the language written is not permitted without the written consent of CPRI.
- c) Any corrections/erasure invalidates the test report/certificate
- d) Any anomaly/discrepancy in the test report /certificate should be brought to the notice of CPRI within 45 days from the date of issue.

k.ait
(K.MARIMUTHU)
Test Engineer

इस रेखाचित्र परीक्षण दस्तावेज
 सं. सीपीआरआईबीएलआएचवी.....से संवधित है।
 THIS DRAWING PERTAINS TO TEST REPORT
 No. CPRIBLRHV.DM.I.S.G.I.9.TD.6.8.9.....
 Dated.....16/09/2019.....

k. ant
 इंजीनियरी सहायक / ENGINEERING ASSISTANT
 उच्च वोल्टता प्रभाग / HIGH VOLTAGE DIVISION
 सी पी आर आई / CPRI
 बंगलूर / BANGALORE - 560 080

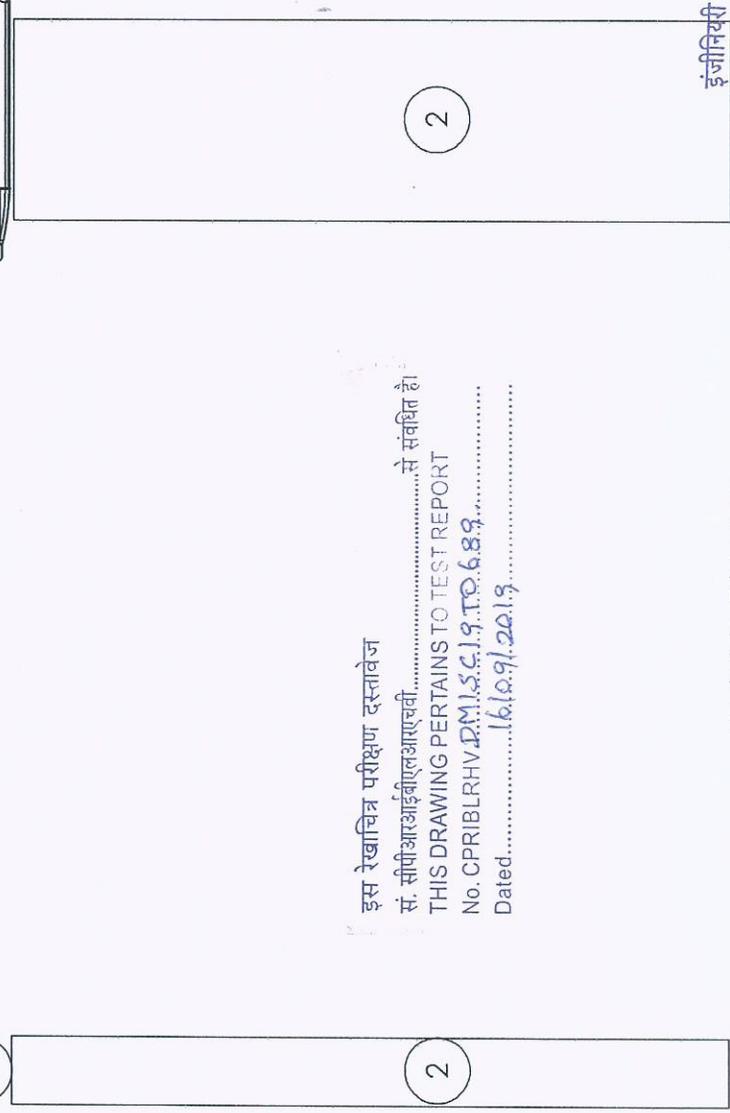
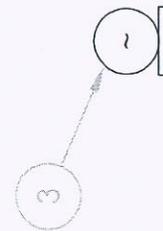
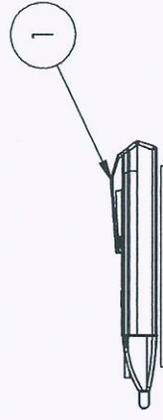
Variable Distance

COMPANY ADDRESS
 MINCHU, NO 345/21,
 28TH MAIN, 38TH
 CROSS, JAYANAGAR-
 9TH BLOCK,
 BENGALURU-560069

Ballon No	Items
1	Minchu Pen Tester
2	Insulator
3	AC Source

TITLE: Drawing for testing of pen
 type tester -
 SI No. 0022

NAME: Fallappi S Pranava
 DRAWN: CHKD: DATE: 29.08.2019
 REVISION: 00
 DWG NO: 02
 Model No: 002
 qty: 1 Number
 SCALE: Not to Scale
 SHEET 1 OF 1



8 7 6 5 4 3 2 1

F

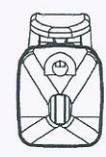
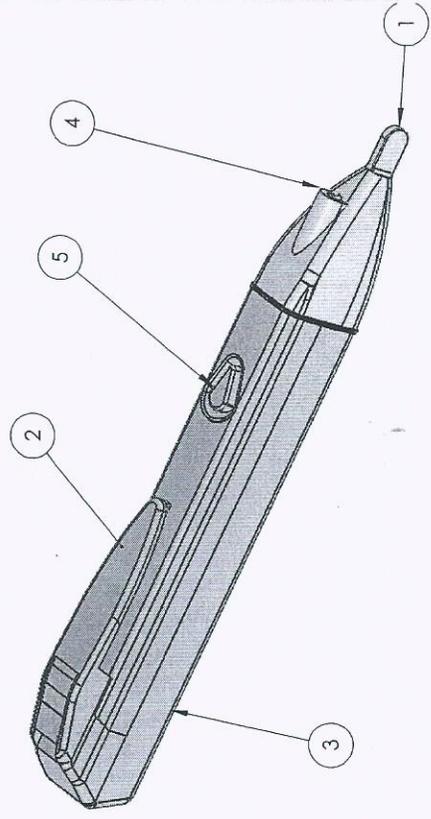
E

D

C

B

A



BALLON NO	ITEM
1	TIP SENSOR
2	CLIP
3	BACK BATTERY COVER
4	TORCH
5	SWITCH

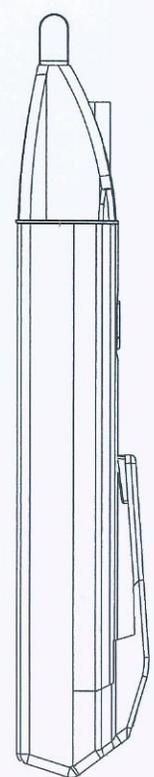
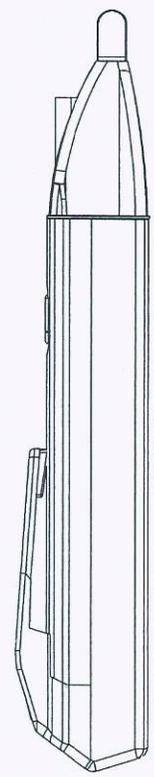
Note : All Dimensions in mm

TESTER ASSY
 01
 002
 SHEET / OF 1

ENGINEERING ASSISTANT
 उच्च वोल्टता प्रभाग / HIGH VOLTAGE DIVISION
 सी पी आर आई / CPRI
 बंगलूरु / BANGALORE - 560 080

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

इस रेखाचित्र परीक्षण दस्तावेज
 सं. सीपीआरआईबीएलआरएचवी.....से संवधित है
 THIS DRAWING PERTAINS TO TEST REPORT
 No. CPRI/BLRHV.D.M.15.6.19.T.O.689.....
 Dated.....16.09/2019.....



COMPANY ADDRESS
 CHU, NO 345/21,
 7TH MAIN, 38TH
 CROSS, JAYANAGAR-
 9TH BLOCK,
 BANGALURU-560069

8 7 6 5 4 3 2 1