



CPRI



NABL ACCREDITED  
LABORATORY

TEST REPORT

Sheet 01 of 04

**Test Report Number** : MED/SMTL/UTILEX/TS-54/2002-2003,  
Dated: 10.10.2002

**Name & Address of the Client** : M/s Utilex Engineering Pvt. Ltd.,  
101, Bhavna, L.M.Road, Behind Syndicate Bank,  
Kanderpada, Dahisar (W), Bombay – 400 068

**Name & Address of the Manufacturer** : M/s Utilex Engineering Pvt. Ltd.,  
101, Bhavna, L.M.Road, Behind Syndicate Bank,  
Kanderpada, Dahisar (W), Bombay – 400 068

**Particulars of Sample Tested** : Pin for 33 kV Pin Insulator

**Condition of Sample on Receipt** : New

Type : Not applicable

Designation : Not applicable

Serial Number : Nil

Number of samples Tested : One

Date(s) of Test(s) : 10.10.2002

CPRI Samples Code No. : MEDSMTL2002S0091

**Particulars of Tests Conducted** : Mechanical Failing Load Test (Bending)

**Test in accordance with Standard/ specification** : As per BS: 3288 Part 1-1973 Clause 2.2

Sampling Plan : Not applicable

Client's requirement : Yes

Deviation if any : Nil

**Name of the Witnessing Persons**

Client's representatives : Shri. V. Sreekumar, Director (Technical) UTILEX

Other than client's representatives : None

Test / Calibration subcontracted with address of the laboratory : None

**Documents constituting this Report (In words)**

Number of sheets : Four (Inclusive of Drawing)


Number of Oscillogram/s : Nil

Number of Graphs : Nil

Number of Photos : Nil

Number of Test Circuit Diagrams : Nil

Number of Drawings : One

  
( K.V.PRAKASH )  
TEST ENGINEER

  
( P.MUNIYAPPA )  
JOINT DIRECTOR



CPRI

TEST REPORT

TR.No. MED/SMTL/UTILEX/TS-54/2002-2003, Dated: 10.10.2002

Sheet 02 of 04


1. Test Sample : Pin for 33 kV Pin Insulator
2. Dimensions : Checked as per Drg No. 2002/02/10241/S of column 2 for 33 kV Pin
3. Test Parameters  
Minimum Load to be Applied : 1019.72 Kgf (10 kN)  
Nature of Load to be Applied : Bending  
Reference Standard : Client's requirement, Test Procedure as per BS: 3288 Part 1-1973 Clause 2.2  
Deviations if any : Nil
4. Equipment/ Instrument Used :
  - i) 60 tonne Universal Testing Machine (Amsler Wolpert Make) Type 60 THZ 726; SI.No. 1897
  - ii) Digital Data Display Recorder, Model MTS 464.80 ( USA make )


5. Test Procedure:

The Specimen was mounted horizontally on to the Universal Testing Machine using Standard and Fabricated fixtures. A Rigid metal extension (Adaptor) piece is attached direct to the head of the pin. A load shall be applied to the extension piece (Adaptor) 25 mm above the top of the pin. The load, applied perpendicular to the axis of the specimen, shall be increased to the specified minimum failing load at a steady state. The deflection measured at the top of the pin and the load for which the specimen withstood is observed and recorded.

6. TEST RESULTS/ OBSERVATIONS:

The sample withstood specified minimum failing load of 1031 kgf without any visible sign of failure/ fracture. The total deflection of 22 mm was observed at the top of the pin head.

  
TEST ENGINEER

  
TEST INCHARGE

Note: 1kN = 101.972 kgf