



CENTRAL POWER RESEARCH INSTITUTE
SWITCHGEAR TESTING & DEVELOPMENT STATION
GOVINDPURA, BHOPAL – 462 023, INDIA
Phone : +91(0)755 2586882 Fax : +91 (0)755 2587774



12 JAN 2007

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TEST REPORT

18 JAN 2007

Test Report No : 2006/STL/671 Dated :
Name and Address of the Customer : M/s Vikas Control & Switchgear,
GI-20, Udyog Vihar Sukher
Udaipur (Raj.)
Name and Address of the Manufacturer : M/s Vikas Control & Switchgear,
GI-20, Udyog Vihar Sukher
Udaipur (Raj.)
Particulars of Sample(s) Tested : 415V, 63A, Distribution Box
Condition of sample(s) on receipt : New
Type : Outdoor
Designation : NIL
Serial Number(s) : NIL
Number of Sample(s) Tested : One
Date(s) of Test(s) : 05/12/2006 & 06/12/2006
CPRI sample code number(s) : STDST206S1319
Sealing of the sample if any : No
Particulars of test(s) conducted : Degree of Protection IP-55.
Test(s) in accordance with Standard/specification : IS-13947 (Part-1), 1993
Sampling Plan : NIL
Customer's Requirement : NIL
Deviations, if any : NIL
Name of the witnessing persons
Customer's Representatives : 1) Mr. P.K. Geetey, Representative
2) Mr. Dilip Soni, Representative
Other than Customer's Representatives : NIL
Test subcontracted with name and address of the laboratory : NONE
Documents constituting this report (in words)
No. of Sheet(s) : SIX
No. of Oscillogram(s) : NIL
No. of Graph(s) : NIL
No. of Photograph(s) : NIL
No. of Test Circuit Diagram(s) : NIL
No. of drawing(s) : ONE

(R. S. RANDEY)
TEST ENGINEER

(R.A.DESHPANDE)
JOINT DIRECTOR

AUTHORISED SIGNATORY



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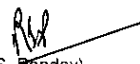


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SUMMARY OF TEST

1. Test conducted : Degree of Protection IP-55.
2. Rating for which tested : 1) Ingress of protection against solid particles IP-5X.
2) Ingress of protection against liquid particles IP-X5.
3. DOCUMENTS CONSTITUTING THIS REPORT :
 - 3.1 Supplementary test report : NIL
 - 3.2 Oscillogram No(s) : NIL
 - 3.3 Drawing of the equipment tested : VCS/CPRI/01
 - 3.4 Test circuit drawing No(s). : NIL
 - 3.5 Photograph No(s). : NIL


(R. S. Pandey)
TEST ENGINEER



CPRI

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DESCRIPTION OF THE SAMPLE TESTED
(As assigned by the manufacturer)

Sample	:	Distribution Box
Rated voltage (Volts)	:	415
Rated current (Amps)	:	63
Frequency (Hz)	:	50
Insulation level (Volts)	:	660
No. of phases	:	3
No. of poles	:	3
Dimensions of the sample (mm)	:	600x500x175
Rated short time current kArms/kAp	:	--
Type of enclosure	:	Category-1


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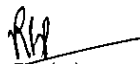
SCHEDULE OF TESTS

1) Test conducted : Degree of protection IP 5X
Date of test : 05.12.2006
Condition of the sample : New
Test details : The sample was placed in the closed chamber in which talcum powder was maintained in suspension by air current. Sample was connected to vacuum pump.

Differential Pressure maintained	Duration of the test (Hrs.)
200 mm of water column	8

Observations

Traces of Powder inside the sample : No traces of talcum powder observed .


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SCHEDULE OF TESTS

2) Test conducted : Degree of Protection IP -X5
Date of test : 06.12.2006
Condition of sample before test : As such after IP 5X
Test details : As per standard

Size of the nozzle used (mm)	Distance of the nozzle from the sample(mtr)	Water pressure (kN/sqm)	Water Delivery rate(litre/minute)	Duration of the test (minute)
6.3	3.0	30	12.5	3.0

Observations:

Traces of water inside the sample : No traces of water observed

CONCLUSION : The test results indicates that the sample tested complies with the requirements of the clause C7 and C8 of Table C1 and C II of the standard IS 13947(Part-1) 1993


(R. S. Pandey)
TEST ENGINEER