

TEST REPORT

NO.1476

Project code: TI/0535-I60044-1

Lightning Impulse & Inter Turn Overvoltage
Test Report For 800/1-1, 12/28/75 kV CT
Manufactured by Pars Shar Co.
According to IEC 60044-1

Karaj, 27-04-2007

By order of Pars Shar Co., Yazd, Iran

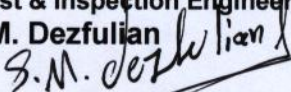
No. of pages

6

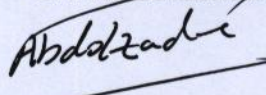
Issue date

27-04-2009

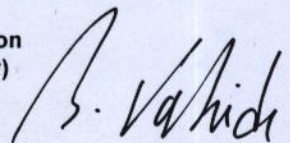
Prepared : Test & Inspection Engineer
S. M. Dezfulian



Verified: Test & Inspection Manager
Sh. Abdelzadeh



Approved: Engineering Deputy of Test and Inspection
(Representative of Amirkabir University of Technology)
Dr. B. Vahidi



This test report does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by E.P.I.L is not the responsibility of E.P.I.L

*This report should not be reproduced in extracts without written approval by E.P.I.L.
The test results relate only the sample tested.*

CONTENTS

	Page
1. General Information.....	3
1.1 Product Information.....	3
1.2 Client Information.....	3
1.3 Tests Performed.....	3
1.4 Results Of Tests.....	3
2. Performance And Results Of Tests.....	4
2.1 Inter Turn Overvoltage Test.....	4
2.2 Lightning Impulse Test.....	5
Figures.....	7

*This report should not be reproduced in extracts without written approval by E.P.I.L.
The test results relate only the sample tested.*

No 6, 14th St., Jahan - Ara Ave., Gornam Freeway, Golha Sq., Tehran - Iran Tel (+98-261) 4790480 Telefax: (+98-21) 88636025

شماره ۶، خیابان چهارم تهرانی، تهران - ایران
تلفن: (+98-261) 4790480
تلفکس: (+98-21) 88636025
شرکت آزمایشگاه صنایع برق

1. GENERAL INFORMATION

1.1 Product Information

Equipment under test	: Current Transformer
Ratio	: 800/1-1
Rated Frequency	: 50 Hz
Un	: 12/28/75 kV
Ith	: 80 In
Type	: MC233
Rated power & accuracy	: Core1: CL0.5FS5 , 10 VA Core2: CL5P20 , 10 VA
Normative document	: IEC 60044-1

1.2 Client Information (Manufacturer)

Applicant	: Pars Shar Co.
Contact person	: Mr. Rahpeyma
Telephone	: +98-21-88772334
Fax	: +98-21-88888141
Address (Office)	: No. 6, Baghsara Alley, Shad St., Molla Sadra Ave., Tehran

1.3 Tests Performed

Inter Turn Overvoltage
Lightning Impulse Test

1.4 Results Of Tests

Passed : See page 4 -6

*This report should not be reproduced in extracts without written approval by E.P.I.L.
The test results relate only the sample tested.*

No 6, 14th St., Jahan - Ara Ave., Gommam Freeway, Golha Sq., Tehran - Iran Tel (+98-261) 4790480 Telefax: (+98-21) 88636025

شماره آزمایشگاهی: 1476
تاریخ: 27/04/2009
محل: تهران

2. PERFORMANCE AND RESULTS OF TESTS

2.1 Inter Turn Overvoltage Test

2.1.1 Test data

Location	: EPIL
Engineer of Epil	: Mr. Dezfulian
Engineer of Pars Shar	: Mr. Rahpeyma
Normative document	: IEC 60044-1 Clause 8.4

2.1.2 Ambient conditions

Ambient temperature	: 23 °C
Relative humidity	: 25%
Air pressure	: 86.5 kPa

2.1.3 Instruments of test

CPC100	Omicron
--------	---------

2.1.4 Procedure Of Test

Procedure A:

With the secondary windings open-circuited (or connected to a high impedance device which read peak voltage), a substantial sinusoidal current at a frequency between 40 and 60 Hz and the r.m.s value equal to the rated primary current shall be applied for 60 S to the primary windings

The applied current shall be limited if the test voltage of 4.5 kV peak is obtained before reaching the rated current

2.1.6 Result of test

The test was done according to IEC 60044-1 -the test voltage not exceeded from 10 V- and it passed the test.

This report should not be reproduced in extracts without written approval by E.P.I.L.

The test results relate only the sample tested.

No 6., 14th St., Jahan -Ara Ave., Gomnam Freeway, Golha Sq., Tehran - Iran Tel (+98-261) 4790480 Telefax: (+98-21) 88636025

شماره آزمایشگاه: ۱۴۷۶
تاریخ: ۲۷/۰۴/۱۳۸۸
محل: تهران - جاده گومنام - خیابان جاهد - پلاک ۶، پهنه ۱۴
شماره تماس: ۴۷۹۰۴۸۰
شماره فکس: ۸۸۶۳۶۰۲۵

2.2 Lightning Impulse Voltage Test

2.2.1 Test data

Location	: EPIL
Engineer of Epil	: Mr. Dezfulian
Engineer of Pars Shar	: Mr. Rahpeyma
Normative document	: IEC 60044-1 Clause 8.4

2.2.2 Ambient conditions

Ambient temperature	: 23°C
Relative humidity	: 25%
Air pressure	: 86.5 kPa

2.2.3 Instruments of test

CPC100	Omicron
--------	---------

2.2.4 Procedure Of Test

The Impulse ntest shall be appliued between the terminals of the primary windings (connected together) and earth. The frame, case and core and all terminals of the secondary windings shall be connected to earth.

Test voltage : 75 kV

2.2.5 Result of test

The test was done according to IEC 60044-1, and it passed the test.

*This report should not be reproduced in extracts without written approval by E.P.I.L.
The test results relate only the sample tested.*

Figures:



*This report should not be reproduced in extracts without written approval by E.P.I.L.
The test results relate only the sample tested.*