

RESEARCH-DEVELOPMENT AND TESTING NATIONAL  
INSTITUTE FOR ELECTRICAL ENGINEERING

# ICMET CRAIOVA HIGH POWER DIVISION

## HIGH POWER LABORATORY

"Ovidiu Rarinca"

200746-CRAIOVA, Blvd. DECEBAL No. 118A, ROMANIA  
(Old address 200515 CRAIOVA, 144 Calea Bucuresti, ROMANIA)  
Matriculation certificate: J16/312/1999, VAT number RO387 1599  
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E-mail: [imp@icmet.ro](mailto:imp@icmet.ro)

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INCERCARE



SR EN ISO/CEI 17025:2005  
CERTIFICAT DE ACREDITARE  
nr. LI 004/2010

## TEST REPORT No. 11740

**CUSTOMER:** YILTAŞ ESER ELEKTRİK A.Ş.  
1. Organize Sanayi Bolgesi 1. Kisim 6. Cadde No: 42 Sivas, TURKEY

**MANUFACTURER:** YILTAŞ ESER ELEKTRİK A.Ş.  
1. Organize Sanayi Bolgesi 1. Kisim 6. Cadde No: 42 Sivas, TURKEY

**TESTED PRODUCT:** Assembly of 36 kV, 630 A, 16 kA Incoming Cubicle with Load Break  
Switch and Outgoing Cubicle with Circuit Breaker

**REFERENCE STANDARD:** IEC 62271-200/2011, clause 6.6

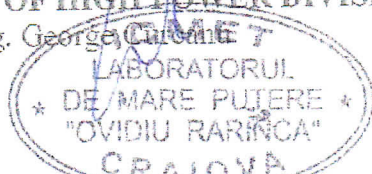
**TEST PERFORMED:** Short-time withstand current and peak withstand current tests  
on main circuit, earthing switch and earthing connection

**TEST DATE:** 20.08.2013

**TEST RESULT:** Passed the test

Test report has 19 pages and it is edited in 4 copies from which copy 1 for laboratory and copies 2, 3 and 4 for customer.

**HEAD OF HIGH POWER DIVISION:**  
Dr. Eng. George Călugăreanu

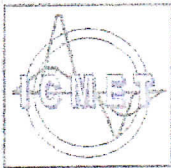


**HEAD OF LABORATORY:**  
Eng. Constantin Iancu

*forney*

**DATE OF ISSUE:** 06.09.2013

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## TEST REPORT No. 11741

**CUSTOMER:** YILTAŞ ESER ELEKTRİK A.Ş.  
1. Organize Sanayi Bolgesi 1. Kisim 6. Cadde No: 42 Sivas, TURKEY

**MANUFACTURER:** YILTAŞ ESER ELEKTRİK A.Ş.  
1. Organize Sanayi Bolgesi 1. Kisim 6. Cadde No: 42 Sivas, TURKEY

**TESTED PRODUCT:** Assembly of 36 kV, 630 A, 25 kA Incoming Cubicle with Load Break Switch and Outgoing Cubicle with Circuit Breaker

**REFERENCE STANDARD:** IEC 62271-200/2011, clause 6.6

**TEST PERFORMED:** Short-time withstand current and peak withstand current tests on main circuit

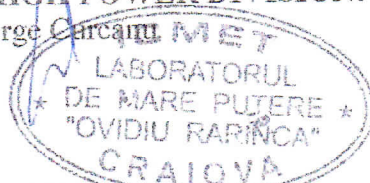
**TEST DATE:** 20.08.2013

**TEST RESULT:** Passed the test

Test report has 10 pages and it is edited in 4 copies from which copy 1 for laboratory and copies 2, 3 and 4 for customer.

**HEAD OF HIGH POWER DIVISION:**

Dr. Eng. George Carcaiu



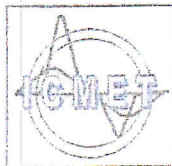
**HEAD OF LABORATORY:**

Eng. Constantin Iancu

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## TEST REPORT No. 11742

**CUSTOMER:** YILTAŞ ESER ELEKTRİK A.Ş.  
1. Organize Sanayi Bolgesi 1. Kisim 6. Cadde No: 42 Sivas, TURKEY

**MANUFACTURER:** YILTAŞ ESER ELEKTRİK A.Ş.  
1. Organize Sanayi Bolgesi 1. Kisim 6. Cadde No: 42 Sivas, TURKEY

**TESTED PRODUCT:** Assembly of 36 kV, 1250 A, 20 kA Incoming Cubicle with Disconnect Switch and Outgoing Cubicle with Circuit Breaker

**REFERENCE STANDARD:** IEC 62271-200/2011, clause 6.6

**TEST PERFORMED:** Short-time withstand current and peak withstand current tests on main circuit

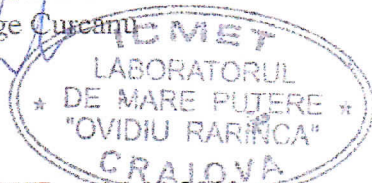
**TEST DATE:** 20.08.2013

**TEST RESULT:** Passed the test

Test report has 10 pages and it is edited in 4 copies from which copy 1 for laboratory and copies 2, 3 and 4 for customer.

**HEAD OF HIGH POWER DIVISION:**  
Dr. Eng. George Cureau

**HEAD OF LABORATORY:**  
Eng. Constantin Iancu



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## TEST REPORT No. 11743

**CUSTOMER:** YILTAŞ ESER ELEKTRİK A.Ş.  
1. Organize Sanayi Bolgesi 1. Kisim 6. Cadde No: 42 Sivas, TURKEY

**MANUFACTURER:** YILTAŞ ESER ELEKTRİK A.Ş.  
1. Organize Sanayi Bolgesi 1. Kisim 6. Cadde No: 42 Sivas, TURKEY

**TESTED PRODUCT:** Assembly of 36 kV, 1250 A, 25 kA Incoming Cubicle with Disconnecter Switch and Outgoing Cubicle with Circuit Breaker

**REFERENCE STANDARD:** IEC 62271-200/2011, clause 6.6

**TEST PERFORMED:** Short-time withstand current and peak withstand current tests on main circuit

**TEST DATE:** 20.08.2013

**TEST RESULT:** Passed the test

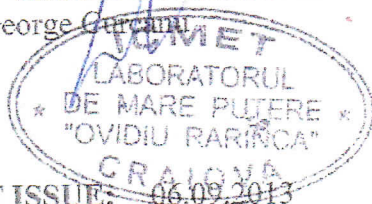
Test report has 10 pages and it is edited in 4 copies from which copy 1 for laboratory and copies 2, 3 and 4 for customer.

**HEAD OF HIGH POWER DIVISION:**

Dr. Eng. George Ciuraru

**HEAD OF LABORATORY:**

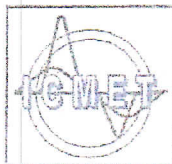
Eng. Constantin Iancu



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## TEST REPORT

### No. 11744

**CUSTOMER:** YILTAŞ ESER ELEKTRİK A.Ş.  
1. Organize Sanayi Bölgesi 1. Kısım 6. Cadde No: 42 Sivas, TURKEY

**MANUFACTURER:** YILTAŞ ESER ELEKTRİK A.Ş.  
1. Organize Sanayi Bölgesi 1. Kısım 6. Cadde No: 42 Sivas, TURKEY

**TESTED PRODUCT:** 36 kV, 630 A Outgoing Cubicle with Load Break Switch + Fuse and Earthing Switch

**REFERENCE STANDARD:** IEC 62271-102/2011, clause 6.101 and 6.6

**TEST PERFORMED:** Test to prove the short-circuit making performance of Earthing Switch  
Short-time withstand current and peak withstand current test on Earthing Switch

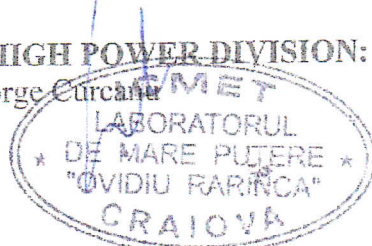
**TEST DATE:** 21.08.2013

**TEST RESULT:** Passed the tests

Test Report has 18 pages and it is edited in 4 copies from which copy 1 for laboratory and copies 2, 3 and 4 for customer.

**HEAD OF HIGH POWER DIVISION:**

Dr. Eng. George Ciurcariu

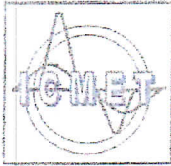


**HEAD OF LABORATORY:**

Eng. Constantin Iancu

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**TEST REPORT**

**No. 11745**

**CUSTOMER:** YILTAŞ ESER ELEKTRİK A.Ş.  
1. Organize Sanayi Bolgesi 1. Kisim 6. Cadde No: 42 Sivas, TURKEY

**MANUFACTURER :** YILTAŞ ESER ELEKTRİK A.Ş.  
1. Organize Sanayi Bolgesi 1. Kisim 6. Cadde No: 42 Sivas, TURKEY

**TESTED PRODUCT:** 36 kV, 630 A Outgoing Cubicle with Circuit Breaker and Air Earthing Switch

**REFERENCE STANDARD:** IEC 62271-102/2011, clause 6.101

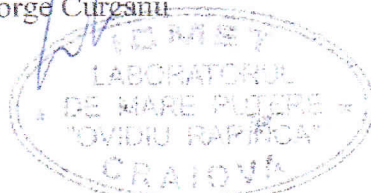
**TEST PERFORMED:** Test to prove the short-circuit making performance of Air Earthing Switch

**TEST DATE:** 21.08.2013

**TEST RESULT:** Passed the tests

Test Report has 16 pages and it is edited in 4 copies from which copy 1 for laboratory and copies 2, 3 and 4 for customer.

**HEAD OF HIGH POWER DIVISION:**  
Dr. Eng. George Curesnu

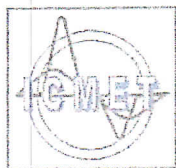


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Eng. Constantin Iancu

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## TEST REPORT No. 11746

**CUSTOMER:** YILTAŞ ESER ELEKTRİK A.Ş.  
1. Organize Sanayi Bolgesi 1. Kisim 6. Cadde No: 42 Sivas, TURKEY

**MANUFACTURER:** YILTAŞ ESER ELEKTRİK A.Ş.  
1. Organize Sanayi Bolgesi 1. Kisim 6. Cadde No: 42 Sivas, TURKEY

**TESTED PRODUCT:** Assembly of 36 kV, 630 A, 16 kA Incoming Cubicle with Load Break Switch, Outgoing Cubicle with Circuit Breaker and Outgoing Cubicle with Load Break Switch + Fuse

**REFERENCE STANDARD:** IEC 62271-200/2011 clause 6.106

**TEST PERFORMED:** Internal arc test

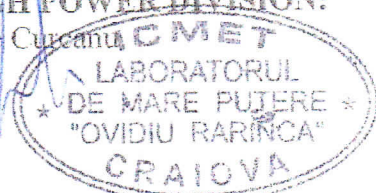
**TEST DATE:** 23.08.2013

**TEST RESULT:** Passed the tests

Report has 21 pages and it is edited in 4 copies from which copy 1 for laboratory and copies 2, 3 and 4 for customer.

**HEAD OF HIGH POWER DIVISION:**

Dr. Eng. George Ciurcanu



**HEAD OF LABORATORY:**

Eng. Constantin Iancu

**DATE OF ISSUE:** 11.09.2013

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