



**RESEARCH, DEVELOPMENT AND TESTING NATIONAL INSTITUTE  
FOR ELECTRICAL ENGINEERING – ICMET CRAIOVA**

B-DUL DECEBAL 118A (CALEA BUCURESTI, 144), 200746 CRAIOVA, ROMANIA  
VAT no.: RO 387 15 99; Registering certificate: J 16/312/1999



**ELECTRICA S.A.  
COMMERCIALIZATION  
LICENCE**

**A N R E  
ATTESTATION**

**I S C I R  
LICENCE**

**DRML  
LICENCE**

**RESEARCH-DEVELOPMENT, TEST, CALIBRATION DEPARTMENT**

**Calibration Laboratories:**

RENAR Accreditation

RENAR LE 021: High Currents Calibration

**Testing Laboratories:**

RENAR Accreditations

RENAR LI 450: High Voltage + EMC  
RENAR LI 004: High Power  
RENAR LI 529: Low Voltage  
RENAR LI 618: Fire Safety and Environment

No. 7936 /23.08.2013

**SUMMARY OF TESTS**

According to the Contract of applicative research No. 705.2/8689/ 20.05.2013 and Additional Act no. 1 to this contract within period: 19 – 23.08.2013 at High Power Laboratory of ICMET Craiova were carried out tests on:

1. 36kV, 630A, 16/25kA Incoming Cubicle with Load Break Switch , ME35.01/YGC
2. 36kV, 630A, 16/25kA Outgoing Cubicle with Circuit Breaker ME35.01/GKC
3. 36kV, 630A, 16/25kA Outgoing Cubicle with LBS and Fuse ME35.02/SYC
4. 36kV, 1250A, 20/25kA Incoming Cubicle with Disconnecter switch ME35.06/AGC
5. 36kV, 1250A, 20/25kA Outgoing Cubicle with Circuit Breaker ME35.04/GKC

No.	Testing product	Test type/parameters	Test Result	Test Report No.
1.	Cubicle Assembly 36kV/630A ME 35.01/YGC and ME35.04/GKC	Short-time withstand current test at 40 kA /16kA/1s on main circuit, earthing switch and earthing connection	Passed the test	11740
2.	Cubicle Assembly 36kV/630A ME 35.01/YGC and ME35.04/GKC	Short-time withstand current test at 63 kA /25kA/1s on main circuit	Passed the test	11741
3.	Cubicle Assembly 36kV/1250A ME 35.06/AGC and ME35.04/GKC	Short-time withstand current test at 20 kA /50kA/1s on main circuit	Passed the test	11742
4.	Cubicle Assembly 36kV/1250A ME 35.06/AGC and ME35.04/GKC	Short-time withstand current test at 25 kA /63kA/1s on main circuit	Passed the test	11743

5.	36 kV/630A Transformer protection Cubicle with LBS, Fuse and Earthing Switch ME 35.02/SYC	Short-time withstand current test at 1 kA /2.5kA/1s on earthing switch Short-circuit making test at 1 kA /2.5kA/0.2s on earthing switch (5 times)	Passed the test	11744
6.	36 kV, 630A Outgoing Cubicle with CB, DS and Air Earthing switch	Short-circuit making test at 40 kA /16kA/0.2s on earthing switch (5 times)	Passed the test	11745
7.	Cubicle Assembly 36kV/630A ME 35.01/YGC, ME 35.02/SYC and ME35.04/GKC	Internal arc test IAC – AFL at 40kA/16kA, 1s on : -cable compartment - bus-bar compartment	Passed the test	11746

More details will be included in the Test Reports Nos.11740, 11741, 11742, 11743, 11744, 11745 and 11746 written in English language according to point 1.9 from Annex 2 of the Contract, which will be sent in three copies to **YILTAŞ ESER ELEKTRİK A.Ş (ESER PREFABRIK A.Ş.)** Address: **1. Organize Sanayi Bölgesi 1. Kısım 6. Cadde No:42 Sivas / Türkiye**

**YILTAŞ ESER ELEKTRİK A.Ş (ESER PREFABRIK A.Ş)**

Eng. Metin KAYABAŞI

**ICMET – Craiova**

/ Dipl. Eng. Marian DUTA

Dipl. Eng. Constantin IANCU

Dipl. Eng. Ilie SBORA

