

Test Certificate of Prequalification test on complete cable system, valid for a rated voltage U=380 to 400 kV (Um=420kV), as per **CESI Test Report B1015474**

Tested samples/items 380kV (Um=420kV) 1x2500mm² CU/XLPE/LEAD SHEATH/HDPE in a cable system consisting of the following cable and accessories :

- Cable 380kV (Um=420kV) 1x2500mm² CU/XLPE/LEAD SHEATH/HDPE
- Back to back joint TTS 1.420-11 (consisting of two SF6 GIS sealing Ends)
- – XLPE Cable 1x2500mm², 380kV
- Insulating joint MP 1.420-31 joint (crossbonding joint)
- – XLPE Cable 1x2500mm², 380kV (n.02 pieces)
- Outdoor sealing end TE 1.420-01sp - Porcelain
- – XLPE Cable 1x2500mm², 380kV
- Outdoor sealing end FR 1.420-01sp - Composite
- – XLPE Cable 1x2500mm², 380kV

Designation 380kV (Um=420kV) 1x2500mm² CU/XLPE/LEAD SHEATH/HDPE cable system

Rated voltage 380 kV ; Rated normal current 1520 A ; Rated frequency 50 Hz

Manufacturer Cable:
DEMIRER KABLO TESISLERI SANAYI ve TICARET A.S.
Accessories:
BRUGG KABEL AG KABELSYSTEME FUR ENERGIEUBERTRAGUNG

Client DEMIRER KABLO TESISLERI SANAYI ve TICARET A.S.

Tests date from September 23rd, 2009 to June 17th, 2011

Tested by CESI S.p.A. – Milan platform, Italy

PUBBLICATO B1023384 (PAD - 1516583)

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in the reference documents, identified in this certificate, has been subjected to the series of proving tests in accordance with IEC 62067 Edition 1.1 2006-03 item 13.2

This Test Certificate has been issued by CESI in accordance with above mentioned Standards.

The results are shown in the record of Proving Tests and the oscillograms attached in the Test Reports. The values obtained and the general performance are considered to comply with the above Standards and to justify the ratings assigned by the Manufacturer as listed on page No.2. This Test Certificate applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designations with that tested rests with the Manufacturer.

Only integral reproduction of this Test Certificate, or reproductions of this page accompanied by any pages on which are stated the endorsed ratings of the apparatus tested, are permitted without written permission from CESI.

No. of pages 03 **No. of pages annexed** -

Issue date July 21st, 2011

Prepared PPR - Nervetti Maurizio
B1023384 3055 ALT

Verified TSM - Vercellotti Uberto, PPR - Arneodo Giorgio
B1023384 2963 VER B1023384 2965 VER

Approved PMI - The Manager - Arcidiaco Lorenzo
B1023384 821814 APP

CESI S.p.A.
Testing & Certification Division
Testing Operations Area
"Milan Platform"
Manager
Lorenzo Arcidiaco

TTC001IG rev.04