

ELECTRICAL TESTING GROUP

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MV & HV CABLE TESTING TECHNOLOGY

ON SITE CABLE COMMISSIONING

UNDERGROUND FAULT LOCATION

NEWS LETTER APRIL 2010

INDUCOR INGENIERIA WILL CARRY OUT THE START-UP TRIALS OF THE 220KV UNDERGROUND CABLE SYSTEM OF CODELCO ANDINA MINING COMPLEX

Los Andes – Chile - April 2010:

On the fifth region of Chile, under the so-called Saladillo project - Km21, 4.200 meters above sea level, covering a ground area of 8 Km, placed on a mountainous and extremely rugged land, Codelco's Andina division performs the latest work to complete the installation of the new 220KV line.

The 245KV underground monopolar terna of 630 mm², built with XLPE technology, with coplanar disposition, will connect the S.E. Km 21 and S.E. Range directly buried without any duct.

It has 18 joints in a Cross-Bonding configuration, terminations and cable joints bushing, and a Connex type input to GIS.

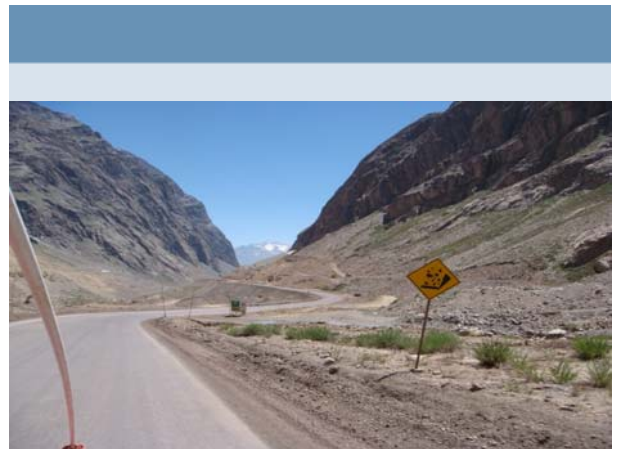
INDUCOR INGENIERIA, has been appointed to carry out the comprehensive tests to put the line into operation, as well as the diagnostic tests to determine the initial "finger print", which will determine the evolution of the insulation system over the years.

The required tests include the VLF technology application in the range of 190 KV, as well as the partial discharges mapping along the entire route, with special discrimination on the joints conditions.

The tasks will be complemented by obtaining the Direct and Homopolar Impedance parameters, phase sensitivity, and the Cross-Bonding system operating performance.

Finally, it is predicted a high frequency acoustic scanning on the external bushings, input to GIS Connex, and in each joint.

INDUCOR INGENIERIA, succeeds in consolidating its position in the technology market of HV underground cable tests.



CODELCO DIVISION ANDINA - PUESTA EN MARCHA LINEA DE 220KV



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