



**CPRI**

**HIGH POWER LABORATORY**  
**CENTRAL POWER RESEARCH INSTITUTE,**  
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Sheet No. 1 of 5

## TEST REPORT

**Test Report Number** : HPL07255 Dated: 14/05/2008

**Name & Address of the Customer** : M/s. Federal Electricity & Water Authority,  
Po.Box 1672, Dubai-UAE.

**Name & Address of the Manufacturer:** M/s. Phelps Dodge Thailand Limited, Thailand.

**Particulars of sample tested**

Sample : 132 kV XLPE Cable  
Type : XLPE Cable

Designation : 132 kV, CU/XLPE/CWS/LS/HDPE 1X630 mm<sup>2</sup>  
Serial number : Drum No. 1  
Number of samples tested : One  
Date(s) of Test(s) : 12<sup>th</sup> September 2007  
CPRI Sample Code No. : DCCDCAB07S0058  
Condition of sample on receipt : As after test at Dielectric Cables and Capacitor Division

**Particulars of tests conducted** : Thermal short circuit test at 40kA rms for 1.0sec. Through the Lead sheath & copper shield

**Test in accordance with Standard/Specification** : As per customers requirement, Thermal short circuit test at 40kA rms for 1.0sec. through the Lead sheath and copper shield

Sampling Plan : Nil  
Customer's requirement : Thermal short circuit test at 40kA rms for 1.0sec. through Lead sheath & copper shield

Deviation if any : Nil

**Name of the witnessing persons**


Customer's representative : Eng. Ahmed Mohammed Y. Al Yamahi, FEWA  
Eng. Mohammed Asghar Jeevaji, FEWA

Other than Customer's representative (Manufacturer) : Mr. Warapong Atthirawong, Phelps Dodge, Thailand Ltd.  
Mr. Mongkol Rojpojjananawi, Phelps Dodge, Thailand Ltd.

**Test subcontracted with address of the laboratory** : Nil

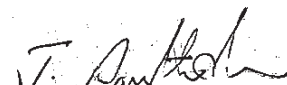
**Documents constituting this report (In words)**

Number of sheets : Five  
Number of oscillograms : One  
Number of photos : Two  
Number of test circuit diagrams : One  
Number of sample drawings : One

  
(T.Gurudev)

**TEST ENGINEER**



  
(J.Santhosh)

**Engineering Officer Gr. 5**

**AUTHORISED SIGNATORIES**