

**type test certificate of** Complete type tests

**apparatus** Three-pole 145 kV SF6 circuit-breaker with a common operating mechanism

**designation** LW9-145  
rated voltage 145 kV; rated normal current 3150 A; rated frequency 50 Hz

**manufacturer** TENAGA SWITCHGEAR Sdn. Berhad - Selangor - MALAYSIA

**tested for** TENAGA SWITCHGEAR Sdn. Berhad - Selangor - MALAYSIA

**date(s) of tests** from December 11, 2000 to March 9, 2001

**tested by** CESI S.p.A. - Milano - ITALY

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 60056 (1987)

Sub-clauses 6.1, 6.2, 6.3, 6.4, 6.5, 6.101.2, 6.102 to 6.110, 6.111.5.1 and 6.111.5.2

this Type Test Certificate has been issued by CESI following exclusively the STI Guides.

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 Standard and to justify the ratings assigned by the Manufacturer as listed on page no.2 .

the 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.

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**no. of pages** 3

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