

ASTA CERTIFICATE of Verification Tests

Laboratory Ref. No: MN-1314-0313/02

APPARATUS: 2500A, 415V/1000V (U_0/U_1), 50Hz, Extendable Power Switchgear and Controlgear Assembly incorporating a three-phase and neutral horizontal and vertical busbar system with 1 incoming ACB unit and 1 outgoing ACB unit and 4 outgoing MCCB units and a protective circuit. 12kV (U_{imp}) for main horizontal and vertical busbars, vertical droppers and incoming ACB unit, 8kV (U_{imp}) for outgoing units.

DESIGNATION: ENERSYS-M

MANUFACTURER: Larsen & Toubro Electrical & Automation, Powai Campus
P.O.Box No - 8901, Mumbai - 400 072, INDIA.

TESTED FOR: Evershine Electrical Switchgear Manufacturing L.L.C, PO Box 33647, Dubai, UAE

TESTED BY: Electrical Research & Development Association
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, Gujarat, INDIA.

DATES OF TESTS: 1st January to 16th February 2014

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this certificate has been subjected to the series of proving tests in accordance with

IEC 61439-1 & 2: Edition 2.0 2011-08

Verifications with reference to the tests listed in Annex D:

- | | |
|--|--------------------------------------|
| 1: Strength of materials and parts | 9: Dielectric properties |
| 2: Degree of protection | 10: Temperature-rise |
| 3: Clearances | 11: short-circuit withstand strength |
| 4: Creepage distances | 12: EMC compatibility |
| 5: Protection against electric shock | 13: mechanical operation |
| 6/7/8: no verification by testing required | |

Refer to pages A, B and C for ratings

The results are shown in the record of Proving Tests attached hereto. The values obtained and the general performance is considered to comply with the above Standard(s) and to justify the ratings assigned by the manufacturer as stated on the ratings page(s).

This certificate applies only to the apparatus tested. Responsibility for conformity of any apparatus having the same or other designations rests with the Manufacturer.

This certificate comprises this front sheet, 3 rating pages plus 138 other pages as detailed on page 1 to 3

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C. Diack-Evans
ASTA Observer

R. Hayward
Certification Manager

29th July 2016
Date