



SEC/PAM/2012

July 12, 2012

National Stock Exchange Of India Limited
Exchange Plaza, 5th Floor
Plot No.C/1, G Block
Bandra-Kurla Complex
Bandra (E), Mumbai - 400 051

STOCK CODE: LT

Dear Sir,

**Sub: L&T Expands Capacity with New Electrical &
Automation Facility in Vadodara**

We send herewith a copy of Press Release that is being issued by the Company today, in connection with the above.

Please take the note of the same.

Thanking you,

Yours faithfully,
for **LARSEN & TOUBRO LIMITED**

A handwritten signature in black ink, appearing to read 'N. Hariharan'.

**N. HARIHARAN
COMPANY SECRETARY**

Encl. as above

A small, stylized logo consisting of a vertical line with a small circle at the top and a small triangle at the bottom.



L&T Press Release

Issued by Corporate Brand Management & Communications

L&T House, 2nd Floor,
Ballard Estate, Mumbai 400 001
Tel: 91 22 6752 5656 / 836
Fax: 91 22 6752 5796

L&T Expands Capacity with New Electrical & Automation Facility in Vadodara

Mumbai, July 12, 2012: Larsen & Toubro today inaugurated its manufacturing facility for switchgear products at Vadodara, on an 18-acre plot adjacent to L&T Knowledge City. This is a capacity expansion initiative for the business of L&T's Electrical & Automation (E&A), leaders in low voltage switchgear in India. E&A will manufacture Air Circuit Breakers (ACBs) and Moulded Case Circuit Breakers (MCCBs) at this facility.

In an area of close to 27,000 sq metres under a single roof, the facility houses modules for the assembly lines for circuit breakers - ACBs and MCCBs - along with the shops for press working, moulding and tooling. A development centre to provide research, development and engineering for circuit breakers will also be located here.

Speaking on the occasion, Mr. A. M. Naik, Chairman & Managing Director, L&T said: "The new Vadodara switchgear facility is an investment for the future. It forms part of the wide ranging initiatives we are taking forward in the run-up to our Platinum Jubilee. The facility at Vadodara will enable us to elevate switchgear manufacturing technology to the next level, and advance further in our goal to upgrade India's manufacturing capabilities."

A smart mix of labour and automation has been deployed that would enhance productivity by 2.5 times. All critical-to-quality steps have error-free assembly. The lines are equipped to produce circuit breakers of different frames and several ratings from 16A to 6300A.

Speaking at the inauguration, Senior Vice President & Head of Electrical & Automation, Mr. S. C. Bhargava, said: "This facility is an expansion of capacity that will augment E&A's competitive strengths. We intend to extend our manufacturing expertise to suppliers and support the development of a high quality manufacturing environment in and around Vadodara."

The manufacturing facility has applied for 'Green Factory' certification in line with the Indian Green Building Council (IGBC) norms and audited for the ISO 9001 certification. All material used in the construction are green-certified and eco-friendly. Environment management measures include tree plantation, rain water harvesting and zero discharge of water. The new facility makes optimum utilization of natural resources of energy with sun light being effectively used to avoid any electric lighting on the shop floor during the day. Wet FDVS system has been installed to maintain a friendly temperature inside the factory.

About L&T Electrical & Automation:

L&T Electrical & Automation is India's leading manufacturer of low and medium voltage switchgear, with an established reputation for product quality, innovation and strong customer support. With a wide range of electrical products and automation solutions, it meets the power distribution and control needs on industries, utilities, infrastructure, building and agriculture segments. It has five manufacturing facilities in India and six overseas facilities located in the Gulf region, South - East Asia and Asia Pacific.

L&T Background:

Larsen & Toubro is a USD 12.8 billion technology, engineering, construction, manufacturing and financial services conglomerate, with global operations. It is one of the largest and most respected companies in India's private sector. A strong, customer-focused approach and the constant quest for top-class quality have enabled L&T to attain and sustain leadership in its major lines of business over seven decades.

** L&T Electrical & Automation is a business brand of Larsen & Toubro Limited.*



Fact sheet - Vadodara Switchgear Facility

- The 27,000 sq metre 'Green' facility will house modules for assembly lines for circuit breakers - ACBs and MCCBs - along with machining, moulding and tooling shops
- Dimensions : The manufacturing area of MCCBs and ACBs : 6000 sq metre each. C&F area excluding silver plating : 4500 sq metres. Tooling solutions area : 3000 sq metres. Utilities including canteen and gym area : 3000 sq metres
- The three-floor administrative block, which is about 6500 sq metres will house the facility for research, development and engineering of circuit breakers
- The administrative block has applied for LEED Gold certification
- The facility has been audited for ISO 9001
- Environment management measures include rain water harvesting and zero discharge of water
- 43% of the total land is green area on which more than 1500 saplings have been planted
- The facility makes optimum utilization of natural resources of energy with sun light being effectively used to avoid any electric lighting on the shop floor during the day. Wet FDVS system has been installed to maintain a friendly temperature inside the factory

- Features such as automated/semi-automated assembly line, packing and mechanized test and inspection set ups for effective detection of non-conformance like HMI-based stations for capturing defects at any stage and ensuring immediate re-work or correction are part of the facility
- All assembly operation has been designed as a flow line and all the lines are VSM compliant. Implementation of Lean Manufacturing principles maximise efficiency
- The facility features a smart mix of labour and automation that would enhance productivity by 2.5 times. All critical-to-quality steps have error-free assembly. The lines are equipped to produce circuit breakers of different frames and several ratings from 16A to 6300A
- Significant automation has been deployed in the selection of material for assembly in order to ensure production of first time right products
- Products pass through requisite checks points for inspection and testing and all the data is captured through sensors integrated with assembly line
- Automation at different stages minimises or eliminates human interference and hence, likely errors
- Several probes have been installed on the lines for automatic checking of different accessories such as shunt release, under voltage release etc.
- An automated guided vehicle (trolley) travels on the rail and transfers the breaker to the cradle line while an automated controller, installed through the entire line, checks the correctness of joints in terms of torque and quantity
- An unmanned 50-operation set up capturing trip force and closing force