



## Case Study

# Electropneumatics & Hydraulics (India) Pvt. Ltd., Pune



|                            |  |
|----------------------------|--|
| <b>Location:</b>           | Pune   |
| <b>Country:</b>            | India  |
| <b>Project Size:</b>       | 3510 m <sup>2</sup>  |
| <b>Client:</b>             | Electropneumatics & Hydraulics (India) Pvt. Ltd.   |
| <b>Consultant:</b>         | Mahavir Patil & Associates, Pune   |
| <b>Products Used:</b>      | ECOBUILD™ BUILDING SYSTEM, TRIMDEK® 1015 manufactured from COLORBOND® XRW steel for wall and TRIMDEK® 1015 manufactured from ZINCALUME® steel for roof |
| <b>Year of Completion:</b> | 2009   |
| <b>End Use:</b>            | Manufacturing Unit   |

ELECTROPNEUMATICS began its operations by manufacturing pneumatic control valves and slowly graduated to more sophisticated products. Its history has been charted by the development of a number of new processes and products, many of which are first in India. ELECTROPNEUMATICS' consistent investment in improvement of its existing core strengths and the development of newer technologies for different market segments is opening the doors to new possibilities in metal forming. More than 30 years of designing, manufacturing and servicing machines and systems has earned ELECTROPNEUMATICS a well-established name in the metal forming industry. ELECTROPNEUMATICS offers complete solutions right from concept to overall planning to successful execution. Several awards and recognitions have come along the way, which have only added to

its zeal to expand current boundaries and venture into newer horizons, In FY 2008 ELECTROPNEUMATICS decided to augment its capacities at their Chakan plant and finalize the order on Tata BlueScope Building Solutions to Design, Manufacture Supply and erect the Pre Engineered Steel Building for their upcoming plant at Chakan. ELECTROPNEUMATICS evaluated the vendors Capabilities on the 3 Parameters i.e. executing the buildings On Time, Quality and Safety. Tata BlueScope Building Solutions was rated highest among the very few Indian vendors who have demonstrated the capabilities to execute the plant with heavy cranes for the material movement and consequently this job was awarded to Tata BlueScope Building Solutions.

#### Building Dimensions:

|  |                           |
|--|---------------------------|
| Building Area                                    | 3510 m <sup>2</sup>       |
| Width (M) (Centre to Centre of Column at base )  | 45.00 M                   |
| Length (M) (Centre to Centre of Column at base ) | 78.00 M                   |
| Clear Height (M) at Knee from FFL at lower Eaves | 13.50 M                   |
| Width Module                                     | 1@25.00 M C/C + 1@20 MC/C |

#### Crane Data:

| Crane Details: Pendent Operated EOT Crane |           |                  |
|---|-----------|------------------|
| Capacity                                  | 25 MT     | 50 / 15 MT       |
| Max. Wheel load                           | 196.15 KN | 196.15 KN        |
| Bridge                                    | 53.8 M.T. | 65.0 M.T.        |
| Bumper to Bumper Distance                 | 18000 mm  | 18000 mm         |
| Number of wheels                          | 2 Wheels  | 4 Wheels         |
| Wheel Base                                | 5000 mm   | 5350 mm /1700 mm |
| Crane Span                                | 18600 mm  | 23600 mm         |

- Top of runway 11.00 m from FFL
- All modules 1 No. of 50 / 15 MT crane, 1 No. of 25 MT crane

Tata BlueScope Building Solutions was not only successful in matching the stringent evaluation parameters during the pre order phase of the project but also exceeded the Client expectations during the post order execution process. The project was thus executed, much to the delight of the Client/Customer.