

Tata BlueScope Steel PEB Solutions for Boeing - TATA Aerospace Facility in Hyderabad

In November 2015, Boeing and Tata Advance Systems announced a joint venture for manufacturing aero structures and collaboration on development of integrated systems in India. This was a significant step in developing India's capabilities for aerospace and defense manufacturing, thus, becoming a global exporter with a focus on Make in India. The key requirement of this project was timely completion. Tata Boeing appointed Tata BlueScope Steel (TBSL) as a partner for constructing their facility with TBSL pre-engineered building solutions.

Scope of Work:

Tata BlueScope Steel scope of work included designing, manufacturing, supply, project management and erection of BUTLER® building in Hyderabad, using

the highest quality material with proven technology. On-time delivery, leak-proof, and functionally superior solutions with low-cost maintenance, were some key expectations of the client. Interconnection of RCC building with PEB at near side wall and provision for future expansion for width of 27 m was the key design challenge.

Solutions:

For this challenging project, Tata BlueScope Steel recommended BUTLER® Building Systems, which comes with MR-24 roof system warranted for 10 years of leak-proof performance. The solution proposed by TBSL enabled superior functionalities that included higher column-free space, two levels of mezzanine floor inside the building, good storage, a better economic design, etc.

About BUTLER®

BUTLER® building system is a premium and globally renowned engineered steel building solution with exceptional credentials such as On-time Delivery, Leak-Proof Roof System, Fully Engineered Solutions and Safe Erection Practices. The history of the brand dates to the year 1901, when the company BUTLER® Manufacturing was founded in the US. The company was acquired in the year 2004 by BlueScope, a leading flat steel products company, with manufacturing and marketing reach spanning Australia, Asia, and North America.

BUTLER® BUILDING SYSTEMS is offered in the SAARC region through Tata BlueScope Steel Limited. Over the years, BUTLER® BUILDING SYSTEMS



Actual image of work in progress

has gained the confidence to take rigid frame design to the limit and to lead the growth of engineered steel buildings to worldwide acceptance and favour. The brand is built on innovation and attention to customer requirements. By providing timely construction and a superior solution, it has achieved a remarkably high repeat customer rate.

Construction challenges and how they were addressed

Tata BlueScope construction team played a vital role in shaping this project for Tata Boeing. Due to dependency on various external parameters, the team faced

numerous challenges while managing the site.

- Erection of mezzanine structure below main building structure was the main challenge which our team executed safely by advance planning
- On time handover of the entire project was carried out through effective implementation erection step plan methodology
- Extra efforts were taken by project management team to deliver the material according to the erection sequence.

The result

Tata BlueScope Steel delivered a state-of-the-art manufacturing facility with on

time completion in June 2017. This is one of India's marquee projects for the Indian defense sector under the aegis of Make In India initiative. With superior quality material, skilled workmanship and advanced technology employed in the area of engineering, project management, fabrication, roll forming and construction; Tata BlueScope Steel was not only able to meet the targets, but exceeded the expectations of Tata Boeing Aerospace Limited.

Tata BlueScope Steel through its customer-centric products and solutions has found its presence in India's prestigious projects spanning various applications. Over the years, the company has grown as a preferred partner for roofing and cladding solutions to top architects in the country. Trust is at its core as the business is backed by the parentage of Tata Steel and BlueScope Steel, Australia. where quality and commitment are paramount. Tata BlueScope Steel is poised to deliver best in class coated steel products for the construction industry in India. Australia's tried and time-tested product brilliance combined with Tata Steel's manufacturing excellence; has enabled TBSL to become the first choice for its customers.



Tata Boeing Aerospace Limited, Hyderabad