ECOBUILD™

Case Study

JSW Steel Processing Centres Limited, Bellary, Karnataka

Location:	Karnataka
Country:	India
Project Size:	28296 m^2
Client:	JSW Steel Limited
Consultant:	ESPIC CONSULTANTS PVT. LTD.
Products Used:	ECOBUILD™ BUILDING SYSTEM, TRIMDEK® 1015 manufactured from COLORBOND® XRW steel for roof and wall
Year of Completion:	2008
End Use:	Steel Processing Centre

JSW Steel Limited is one among the largest Indian Steel Companies in India today with capacity of 7.8 MT. JSW STEEL India's second largest steelmaker. JSW Steel Ltd. consists of the modern, eco-friendly steel plants with the latest technologies. JSW Steel Processing Centres Ltd. a subsidiary of JSW Steel Ltd. JSW Steel Processing Centres Ltd. wanted to set up service centers with a view to expand the reach of CRCA and HRPO steel products manufactured across the value chain and to meet the exacting demands of the user industry. The first of its kind steel processing centre was planned to set up at Vidyanagar, Bellary, Karnataka State.

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Building Dimensions

Building Area	Area 1	Area 2
Width (M) (Centre to Centre of Column at base)	108 .00 M	72.00 M
Length (M) (Centre to Centre of Column at base)	238.00 M	36.00 M
Clear Height (M) at Knee from FFL at lower Eaves	13.00 M	13.00 M
Width Module	3@36.00 M C/C	2@36.00 M C/C

Crane Data:

Crane Details: Crane details per module			
Capacity	15 M.T.	35/5 M.T.	35 M.T.
Wheel load	23.6 M.T.	20 M.T	19 M.T
Bridge	53.8 M.T.	65.0 M.T.	64.0 M.T.
CRAB Wt.	5.2 M.T.	14.0 M.T.	12.0 M.T.
Number of wheels	4 Per side	8 Per Side	8 Per Side
Wheel Base	4700 mm	5500 mm	5600 mm
Auxiliary Wheel Base		1600 mm	1600 mm

• Top of runway 8.85 m from FFL

• All modules 1 No. of 35/5 MT crane, 1 No. of 35 MT crane, 2 Nos. of 15 MT crane

Considering the magnitude of the project and the challenges involved, the Client expressed not only his satisfaction but also delighted at the high levels of safety standards that Tata BlueScope Building Solutions exhibited.

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