

Case Study



RebarCAD
World Class Rebar Software



Guru Gobind Singh Refinery

Construction of Hydrogen Generation Unit for HMEL, Bathinda. The project involves setting up two 44,000-TPA capacity hydrogen generation units (HGU) for HMEL's grassroots refinery in Bathinda, Punjab.

Larsen & Toubro Limited (L&T) undertook residual process design, detailed engineering, procurement, construction and commissioning of these units. The order was bagged by the chemical plants business unit of L&T's Engineering & Construction Division. The total project was worth about 700 crores while the civil works alone amounted to 27 crores.

Contribution of RebarCAD software:

For this prestigious project L&T used their RebarCAD detailing and BBS software to prepare drawings and their associated Bar Bending Schedules (BBS). The RebarCAD Drawings produced on site automatically download an electronic data file containing all the data necessary for the 'cut & bent' fabricator to manufacture the bars. The drawings were so neat and clear that the fixing of reinforcing bars was also undertaken more quickly with reduced wastage!

About Larsen & Toubro Limited (L&T):

Larsen & Toubro Limited (L&T) is India's largest engineering and construction conglomerate with additional interests in electrical, electronics and IT. A strong customer-focused approach and constant quest for top-class quality have enabled L&T to attain and sustain leadership position over 6 decades.

About CADS Software India Pvt Ltd:

RebarCAD software and its rebar engineering and information processing suite is the world's number one solution of its kind. Over 100 million man hours of reinforcement engineering is being carried out by RebarCAD around the world each year.

In business for about 37 years, CADS is one of the world's leading developers specialising in solutions for the international construction industry. CADS has an installed worldwide user base of more than 5000 customers, who use in excess of 48,000 copies of CADS supplied programs in more than 70 countries.

RebarCAD Customer:

Larsen & Toubro Limited (L&T ECC)

Client/Owner:

HPCL-Mittal Energy Limited (HMEL).
A joint venture between Hindustan Petroleum Corporation Limited (HPCL) and Mittal Energy Investment Pte Ltd, Singapore

Location: Bathinda (Punjab)

Reinforcing Steel Used: 1450 MT

Duration of Project: 18 Months

Completion date: January 2011

Value of Civil Works: ₹27 Crore



"In an industry where deadlines and cost efficiency are no more a cause for appreciation but has become a standard for survival, RebarCAD helps us achieve that. CADS were the missing link in our efforts in automation of BBS generation from detailed drawings."

**Mr. L. Alakappan – DGM Civil
L & T**

Autodesk®
Authorised Developer

Microsoft Partner
Gold Independent Software Vendor (ISV)



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