



RebarCAD
World Class Rebar Software

CASE STUDY

Delhi Metro Red Line, Ghaziabad, Uttar Pradesh, India



DELHI METRO RED LINE, GHAZIABAD, UTTAR PRADESH, INDIA

The Delhi Metro Red Line's 9.4 km extension from Dilshad Garden to Ghaziabad's New Bus Stand is under construction by a joint venture of Tata Projects Limited and GYT-China with a completion deadline of June 2017.

The project was to design and construct the elevated viaduct and 8 elevated stations, including the architectural finishing works of the stations, of Phase 3 of the Delhi MRTS. The Delhi Metro is expecting a ridership of 4 million after completion of this phase.

CONTRIBUTION OF REBARCAD SOFTWARE:

Tata Projects have been using RebarCAD for their reinforced concrete detailing since 2014. Our industry leading software has been used to detail everything from urban infrastructure and metro projects to residential and commercial projects. 150 AI detailing drawings were produced with RebarCAD for the Delhi Metro Red Line Extension project. The bar bending schedules were automatically produced and optimised to reduce scrap.

ABOUT TATA PROJECTS:

The Tata Group is one of India's largest and most respected business groups with revenues of over \$100 billion and Tata

Projects is one of the fastest growing and most admired infrastructure companies in the country. It has expertise in executing large and complex industrial and urban infrastructure projects. The Company provides turnkey end to end solutions to set up power generation plants, power transmission & distribution systems, fully integrated rail & metro systems, commercial buildings & airports, chemical process plants, water and waste water management solutions, complete mining and metal purification systems. Engineering excellence, supply chain expertise and construction management are key to their success.

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 over 40 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 5,000 customers, who use in excess of 50,000 copies of CADS supplied programs in more than 70 countries.

REBARCAD CUSTOMER:

Tata Projects Ltd

CLIENT/OWNER:

Delhi Metro Corporation Ltd

LOCATION:

Ghaziabad, Uttar Pradesh, India

REINFORCING STEEL USED:

26,000 Tons

DURATION OF PROJECT:

3 Years (Project Ongoing)

NUMBER OF DRAWINGS:

30



"The RebarCAD software is very user friendly. Not only did we accurately calculate the steel quantity, we were also able to efficiently use the off cuts to substantially reduce the quantity of scrap."

Mr. Kamlesh Kumar, Engineer (Design), Tata Projects Ltd



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SOFTWARE AND SERVICES

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