



RebarCAD
World Class Rebar Software

CASE STUDY

NOAPARA-DAKSHINESWAR METRO PROJECT



SIMPLEX
INFRASTRUCTURES LTD.

THE PROJECT

The Noapara-Dakshineswar Metro Project is a complex development that will ultimately extend the metro corridor from Noapara to Dakshineswar in Kolkata.

Carried out by Simplex Infrastructures for Rail Vikas Nigam, the completed project will consist of an elevated metro viaduct, metro embankment, diversion of a 1.8km stretch of the Belgharia Expressway and construction of two metro stations, namely Baranagar and Dakshineswar.

Both railway stations will include work to the roof structure, sheeting, architectural finishing, M&E works, fire fighting and HVAC works. An estimated 55,000 people will use the completed metro between Dakshineswar and Noapara by 2030.

ABOUT SIMPLEX INFRASTRUCTURES

Founded in 1924, Simplex Infrastructures has over 5 years' experience as a construction leader in India, undertaking projects across numerous sectors including energy and power, mining, marine, real estate and transport. A well-known name in India, the business itself has been associated with building India's infrastructure throughout its rich history, with over 2600 projects of this nature completed.

Their experience in the rail industry is vast. A pioneer of automatic track-laying used for high speed trains, Simplex Infrastructures have been a part of establishing the majority of metro and light railway projects in all major cities within India including Mumbai, Delhi, Kolkata and Bangalore.

"The use of RebarCAD on this project has helped greatly in detailing the re-use of various cut-piece rebars, thereby reducing wastage within the project as a whole".

**Rafikul Islam - Junior Engineer,
Project Coordination – Siddha Group**

BENEFITS OF USING REBARCAD ON THIS PROJECT

Simplex Infrastructures have been a CADS customer for five years using eight licenses across numerous locations. For the Noapara-Dakshineswar Metro they used RebarCAD to detail the project and produce bar bending schedules that work effectively to Indian engineering standards.

Using the RebarCAD software, the company have reported that they are able to accurately and precisely manage their reinforcement steel, maximising its usage and therefore reducing the amount of steel waste that a large scale project such as this may have otherwise accrued. This is made possible due to the software's ability to provide automatic updates to bar bending schedules.

ABOUT REBARCAD

RebarCAD is the world's number one solution of its kind, providing effective detailing and bar bending solutions to projects across a wide range of industries. On a yearly basis over 100 million man hours of reinforcement detailing is carried out throughout the globe.

With more than 40 years' experience, CADS are at the forefront of software solutions for the construction industry.

With a customer base of over 6,000 with over 50,000 copies of software used in over 70 countries, CADS are developing effective construction standards on a global scale.

CADS CUSTOMER:

Simplex Infrastructures Limited

CLIENT:

Rail Vikas Nigam Limited

LOCATION:

Kolkata

PROJECT DURATION:

4.5 years (including extended duration)

SCHEDULED PROJECT COMPLETION:

2019

REINFORCEMENT STEEL USED:

Approx. 12600 MT



AUTODESK
Authorised Developer

Microsoft Partner
Gold Application Development



GLOBAL CONSTRUCTION
SOFTWARE AND SERVICES

CADS Software India (P) Ltd · Dr. VSI Estate · Type II/5 · Rajiv Gandhi Salai · Thiruvananthapuram · Chennai · 600 041
Phone: +91 44-2254 2112/4/5/6/7/8/9 · Fax: +91 44-2254 2113

sales@cadshintia.com
www.cadshintia.com