



RebarCAD
World Class Rebar Software

CASE STUDY

SAAKAAR KALPTARU, BEGUSARAI (BIHAR)



THE PROJECT

The Saakaar Kalptaru project is a residential complex of apartments based in Begusarai, India. When complete the project will comprise of 48,570ft and six storeys (G+5). The RCC framed structure will be earthquake resistant, with 5" thick infill brick panels. Work on the site began in October 2015 and is expected for completion in September 2018.

The modern complex will have a number of on-site features for residents, including a roof top swimming pool, temple, gymnasium, games room, jogging track, kids play area and many other amenities to accommodate the lifestyles of residents.

ABOUT SAAKAAR CONSTRUCTIONS

Saakaar Constructions has been a prominent name within the industry for over twenty years. Based in Patna, Bihar, Saakaar specialises in the construction of residential properties across India.

With a strong focus on adopting technology and innovation, Saakaar are leading the way within the construction industry in creating high quality but affordable residential premises.

ABOUT REBARCAD

With over 40 years of expertise, CADS provides industry leading software solutions for civil and structural engineering and detailing. Their global customer base boasts over 6,000 clients with over 50,000 copies of CADS software used by said clients.

CADS has developed the world's number one detailing software, RebarCAD, which is used across a vast range of projects including building, transportation, water and power. Annually the software carries out over 100 million-man hours of reinforcement detailing.

BENEFITS OF USING REBARCAD ON THIS PROJECT

Saakaar Construction chose to use RebarCAD for the Saakaar Kalptaru project. With RebarCAD Saakaar

REBARCAD CUSTOMER:

Saakaar Constructions Pvt. Ltd

CLIENT/OWNER:

Saakaar Constructions Pvt. Ltd

LOCATION:

Begusarai (Bihar)

PROJECT DURATION:

24 months

NUMBER OF DETAILED DRAWINGS:

18 drawings

REINFORCING STEEL USED:

260 tonnes



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carried out rebar detailing and bar listing easily and accurately, a crucial component to such a large scale development, particularly due to the necessity of an earthquake resistant frame.

The software's fully customisable features that adapt to the requirements of the user meant that Saakaar were able to retrieve the precise information necessary for the development. In addition to this, as the software continually updates as the project progresses, measurements and calculations were provided in real-time. This process was vital to ensure the project remained within Saakaar Constructions Corporate Social Responsibility aims of eco-friendly and sustainable practices.

Speaking of the project and its use of CADS Software Planning Engineer, Deepak Kumar, stated: "The RebarCAD software ultimately saved significant time in calculating the bar bending schedule with perfection and with the optimisation feature we were able to reduce the amount of scrap materials to just 0.5%."



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