



Oasis Towers Worli, Mumbai

Client : Oberoi Realty -
Sahana JV, Mumbai, India
Architect: KPF (Kohn Pedersen
Fox Associates), USA
Structural Consultant: LERA
(Leslie E. Robertson
Associates), USA
Contractor: Samsung C & T
Corporation, Korea
Date: 2011 - 2015

PRODUCTS (Supply till Sep'14)

- Auramix 300 – 690 MT
- Auramix 400 – 780 MT
- Renderoc HS Xtra – 120 MT

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THE PROJECT

Samsung C&T Corporation provides its clients with peerless products and services through use of outstanding talent and technology in the 6 core product areas which symbolize advanced construction technology and include the construction of skyscrapers, high-tech factory facilities, roads and bridges, harbours, power plants and apartment complexes. Samsung C&T Corporation currently plays the leading role in the construction of several of the world's largest building projects such as the Burj Khalifa in the United Arab Emirates and Malaysia's PETRONAS Tower, and has made a name for itself as one of the world's finest engineering & construction companies.

Samsung was waiting for the opportunity to enter into Indian market, the third largest economy in the world, in terms of purchasing power, is going to touch new heights in coming years. As predicted by Goldman Sachs, the Global Investment Bank, by 2035 India would be the third largest economy of the world just after US and China. It will grow to 60% of size of the US economy.

They have got the opportunity through Oberoi Realty – Sahana JV for their Iconic Sky Scrapper tower Project named as Oasis Towers at Worli, Mumbai, India. Samsung have their full fledge team at Mumbai from Korea especially for this project.

THE SOLUTION

This project has two towers: Tower 'A' has 52 floors and Tower 'B' has 83 floors. The structural members of the towers are Foundation, horizontal members (Floor Slabs) and vertical members (columns). The foundation type is raft and the designed strength of concrete is M40 mass concrete. The quantity of the raft is approximately 32,000 m³. The verticals members i.e. columns have the designed strength of M50 to M80. The total quantity of concrete for vertical and horizontal member is approximately 200,000 m³. Fosroc solutions for mass concrete is **Auramix 300** and for high grade and high rise building concrete is **Auramix 400**, a new generation low viscosity PCE based Super plasticiser, designed specifically for this project.

THE BENEFITS

Concreting is ongoing at site and Fosroc PCE base admixture is already proven to be extremely versatile in accommodating the variation of raw material required to make concrete and give the desirable and satisfactory results to client. This reduces the rejection of concrete and choking of pump which helps in keeping the schedule of project on time and cost effective. Due to the consistent results of our products and effective supply chain management makes us the Sole Supplier of Fosroc Products at Site.



Concreting of Raft Foundation by
Auramix 300



Construction of Tower A till Sep'14



Construction of Tower B till Sep'14