

BASE Line

The quarterly newsletter of BASE

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B A S E

BASE OFFSHORES ENGINEERING ~~TO~~ INDIA

In this day and age when firms in the U.S. commonly outsource work to India as a method of cutting costs and remaining competitive, engineering jobs in India are being offshored to US-based BASE. Clients like Leighton were unsure at first: "India, the land where most people outsource technical work to, rarely engages external consultants due to the obvious reasons of cheap labour...and as such the Leighton group was skeptical in engaging BASE." However, the final results were "astounding": Leighton saved 28%, or \$100 million, in global construction costs through offshoring Indian design work to BASE.

Through "reverse offshoring" we have provided engineering services for projects in India since 2008 and our work has ranged from full design to peer review and value engineering.

STRUCTURE COMPLETED



WAVE ONE
NOIDA, INDIA

Topped off in December 2014, this 600-foot, 40-level structure starts with 1-1/2 basement levels and 17 levels of podium structure that is topped with two towers joined together at the top eight levels. The podium levels are split floors for retail, parking, and movie theaters and the towers are office space. Initial work included structural 3-D BIM modelling along with structural concrete, reinforcing steel and post-tensioning steel quantities.



TRITVAM
KOCHI, INDIA

Value Engineering studies for a residential development that includes three levels of parking covered by a large landscaped podium. Above the podium are six 23-level residential towers comprised of two tower types. The total area for these six towers, their podium and parking is approximately 2,600,000 SF.

IN DESIGN



WAVE 3L NOIDA, INDIA

Design of a true transit-oriented development (TOD) starting with four basement floors of parking dedicated to the adjacent metro transit station and seven floors of podium structure, topped with a 32-story office tower and a 27-story residential tower. The podium is comprised of three levels of retail space along with vertical circulation from the basement transit parking to a multi-level pedestrian bridge that connects directly to the adjacent metro station. Transit ticketing and security functions are also integrated into the facility. Above the retail are four levels of parking dedicated for the retail, office and residential uses. The total area of structural construction includes approximately 4,003,000 SF.

WAVE 3J NOIDA, INDIA

This 620-foot tall project is a mixed-use development that includes basement parking, multi-level office/retail podium. Above the level 3 service level the structure changes shape to a residential tower up to the 50th floor and is topped off with a club level, two office floors, and a useable terrace at level 53. The total area of structural construction is approximately 1,658,000 SF.



MGM GRAND & BELLAGIO HOTEL MUMBAI, INDIA

This third phase of the Maker Maxity multi-facility complex is comprised of two hotels to be managed by MGM Hospitality: the Bellagio and the MGM Grand Hotel. The gross area of the project is approximately 1,540,670 SF and both structures are 22-stories (17 hotel/apartment floors atop a 5-story podium) plus three basement levels for back-of-the-house, parking, and services. The roof deck on the 22nd floor will include a pool and restaurant.



OMG NOIDA, INDIA

OMG is a 46-story mixed-use development that includes multi-level shopping, several levels of parking above and adjacent to the retail space creating a large podium over most of the site. Above the podium the structure steps in to create a tower of Serviced Super Studio apartments and two seven-story studio residence wings surrounding a recreation deck. Located at the top most level is Club 200. At 200 meters (or 660 feet) above grade, Club 200 will be the tallest night club in the Delhi area. The total areas of structural construction is approximately 2,050,000 SF.

