Bangalore’s first “Smart Township” to be built with modern precast concrete production system

For some years now in India, townships have been developed within and outside the city. The concept of these residential enclaves with all their utility services and leisure facilities has proved its worth. The Brigade Group is now taking the concept one step further with Brigade Orchards, Bangalore’s first smart township. Modern communication systems, intelligent recycling management and sport & leisure facilities are intended to offer the residents the opportunity of leading an active and healthy life, with due regard to environmental sustainability. The majority of the residential buildings in the township are designed to be constructed in prefabricated concrete elements. The production plant and technology for the manufacture of the precast concrete walls and slab elements has been supplied and established by Tecnocom, a company in the PROGRESS GROUP.

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Construction in prefabricated concrete elements combines unrivalled speed of progress in construction with safety at work and consistency in the high quality of the precast concrete elements. To date 27,169 solid walls and slabs have been constructed for 1,008 residential units at Brigade Orchards. On average, a further 50 residential units are completed each month. Of these, Aspen, Banyan, and Cedar Blocks have already been completed. It took only 8 months to complete the elements, delivered and installed the Type TTE (Tilting Table Export) tilting tables. The tilting tables can be divided into sections and thus could be shipped from Europe to India cost-effectively and without difficulty in standard containers. Finally assembled on site.

The tilting tables are remarkable for their simplicity of structure and their modular design. The combination of the accurate polish of the shuttering surface, the compacting equipment and the internal heating system guarantees optimum quality in the prefabricated concrete elements produced. Once curing of the element is completed, the tilting table is tilted. This makes extracting the finished element safe and simple. The elements are transported from storage to the nearby construction site.

Apartments constructed in record time:
The solid walls and slabs manufactured on the tilting tables are being used to construct a total of five residential complexes with up to 14 floors. Three of these, Aspen, Banyan, and Cedar Blocks have already been completed. It took only 8 months to complete the elements, delivered and installed the Type TTE (Tilting Table Export) tilting tables. The tilting tables can be divided into sections and thus could be shipped from Europe to India cost-effectively and without difficulty in standard containers. Finally assembled on site.

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