



## Pre Cast and Pre Stress Technology: Process, Method and Future Technology

By Nor Ashikin Marzuki

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.The Precast technology dates as far back as the Roman civilization, where it was commonly employed in building complex network of aqueducts, culverts and tunnels. The production of precast concrete in a controlled environment enables engineers to properly cure the concrete. It also avails the employees, the opportunity to closely monitor the curing process in the precast plant. Today, Precast Concrete system is being used extensively, in a wide array of construction projects. The major aim of using this construction technique is to improve the strength as well as the performance of the structures. This technique is being applied in the construction of wall panels, I-beam girders, concrete beam, spandrels, columns, spandrels, single and double tees, segmental bridge units, bulb-tee girders etc. The construction materials that are manufactured through this way are usually crack-free under working loads. Thus, prestressed materials are more watertight and also have better looks. Prestressed technology is one aspect of construction technology, that is been widely used in development of a wide array of structures, especially bridge structures. During this occasion, this book is...



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