BABARIA INSTITUTE OF ENGINEERING AND TECHNOLOGY

VARNAMA, VADODARA.

Site visit to study ongoing construction of temple

Date:	23 Jan 2016
Venue:	Trimandir Compound, Bits Edu Campus
Guided by:	Prof. Mehul Desai

Construction Site of the Temple

Further to our site visit on Saturday, 23 Jan 2016 we have followed up and summarized our findings. Present during our site visit were some of the faculties of Civil Department. During our site visit, we were shown the foundation of the structure.

Foundation of the Temple

We observed some elements, components, material and machineries used on the site. We observed the foundation was **Isolated Sloped Footing** type. Footings is designed to sustain the applied loads, moments and forces and the induced reactions and to ensure that any settlement which may occur is as nearly uniform as possible, and the safe bearing capacity of the soil is not exceeded.

There was a PCC layer and cover blocks below reinforcement to avoid the incoming moisture from the soil. Stirrup were used to keep in the position of the reinforcement.


Cover blocks and Concrete Test Moulds

Concrete used here was mixed at a distant location and transported at the site by suitable means of pipeline through pumping.Concreting by pumping is most effective and sensitive method because any variation in a concrete mix can be easily rectified at the pumping joint by observing the pumping pressure and hence there is a proper control on consistency and workability of concrete.


Other miscellaneous observations include the bar bending machine which bend the rods used in reinforcement, concrete test moulds, admixtures to control plasticity, etc.

We Had wonderful experience during this site visit. It is fully knowlegable.

CONCRETE MIXING MACHINE

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The visit was a huge success and we are looking further to study the properties of the materials observed.