



DEPARTMENT OF CIVIL ENGINEERING

SITE VISIT REPORT

Event: Industrial visit to RMC Plant

Date: 15th February 2018

Time: 10.00 – 15.00 hrs

Venue: BITCON RMC PLANT, Gaymukh

Participants: 98 students and 2 Faculty Members

Organized by: Department of Civil Engineering

A site visit was arranged to RMC plant on 15th February 2018 for Building Materials and Construction Technology subject. The event was attended by Second year A and B division students.





ABOUT RMC:

RMC is a ready mix concrete plant , a part of concrete technology. Ingredients of RMC are all the materials useful for casting concrete. IS 4926- 2003 defines ready mixed concrete is a central batching and mixing plant and supplied by transit mixer at site.

BITCON RMC PLANT:

Here, systematic production of concrete is carried out. Required amount and quantity of concrete can be supplied early since each and every grade of the concrete is readily available in computer. It can be also operated manually. Different types of sand and admixtures are available on this plant.

PROCESS:

Required materials are brought to the site by means of trucks, then the weigh batching is done through the belt conveyor. Then, as per the grade of concrete, required amount of materials are sieved and brought to the mixer. After dry mixing, considerable amount of water can be added as per decided water cement ratio. Grade of concrete depends upon the type of work which is to be carried out. Some admixtures like virgin polypropylene fibre, Micro silica, fly ash were also used for different purposes.

BENEFITS:

- Knowledge about the RMC working process in the field
- How to deal with huge amount of freshly mixed concrete
- Awareness among students about advantages of RMC
- Improves students' knowledge about fastest process of mixing of concrete
- Extra awareness about applications BMCT laboratory experiments
- Knowledge about the site conditions where RMC plant proves useful
- Improved knowledge about information of use of admixtures
- RMC plant visit was beneficial to gain overall idea about elements of batching and mixing process

