



Sandip Foundation's
Sandip Institute of Technology & Research Centre, Nashik
Department Of Civil Engineering
Academic Year 2017-18
Report on Industrial Visit

- 1. Event Title:-** Visit to RMC Plant, Nashik (Industrial Site Visit)
- 2. Event Date:-** 27th March , 2018
- 3. Event Conduction Duration:-** One day
- 4. Event Venue:-** Pawar and Patkar Construction , Vilholi , Nashik
- 5. Event Resource Person Details (Speaker Image, Speaker name, Designation, company name):-** Er. Krishna Pawar (Project Incharge)
- 6. Name of Event Coordinator :-** Prof. A.S Jadhav and Prof. S. P Khokale
- 7. Event Objective :-** To study the various units and working of R.M.C Plant

8. Event Summary :-

The students of S. E Civil from SITRC visited an RMC plant . The main objective behind the visit was to show the students how the RMC plant and Aggregate Crushing Plant works

The students learnt the following aspects:

1. Working procedure of RMC plant and Aggregate Crushing Plant
2. Advantages and Disadvantages of RMC plant

Ready-mix concrete (RMC) is a ready-to-use material, with predetermined mixture of cement, sand, aggregates and water. RMC is a type of concrete manufactured in a factory according to a set recipe or as per specifications of the customer, at a centrally located batching plant. It is delivered to a worksite, often in truck mixers capable of mixing the ingredients of the concrete en route or just before delivery of the batch. This results in a precise mixture, allowing specialty concrete mixtures to be developed and implemented on construction sites. The second option available is to mix the concrete at the batching plant and deliver the mixed concrete to the site in an agitator truck, which keeps the mixed concrete in correct form. In the case of the centrally mixed type, the drum carrying the concrete revolves slowly so as to prevent the mixed concrete from "segregation" and prevent its stiffening due to initial set.

RMC is preferred to on-site concrete mixing because of the precision of the mixture and reduced worksite confusion. It facilitates speedy construction through programmed delivery at site and mechanized operation with consequent economy. It also decreases labour, site supervising cost and project time, resulting in savings. Proper control and economy in use of raw material results in saving of natural resources. It assures consistent quality through accurate computerized control of aggregates and water as per mix designs. It minimizes cement wastage due to bulk handling and there is no dust problem and therefore, pollution-free.

The visit was very fruitful as it improved the students knowledge about the production of concrete and the uses of RMC plant.

9. Event Outcomes

After visiting the site , students are able to understand the details & working of different units of RMC Plant

10. Event photos :-

