

## KOTARPUR WATER TREATMENT PLANT- VISIT REPORT (30/06/2018)

Students of sem-V (civil) attended the Kotarpur Water Works. There were around 115 students of sem\_v (civil), accompanied by the four faculty members, namely Prof. J.P.Modi, Prof. C.N. Bhavsar, Prof. P.K.Lalwani, and Prof. H.H.Jariwala.

The plant in charge engineers Mr. Chirag and Mr. Dutta took over the responsibility to explain the features of different component units.

Kotarpur treatment plant for raw water has a capacity of 650 MLD, 715 overload capacity and consists of following units:

- Administration building
- Raw water mains
- Pump house
- Inlet bay
- Alum dosing unit
- Distribution boxes
- Clariflocculators
- Filter house
- Filter water pump house
- Chlorine tonner, chlorine panel, vacuum injector.
- Solid sludge handling pump
- Clear water reservoir and chlorine dispersion tank.

The plant serves the North West area of Ahmedabad city, students were explained various features by the in charge of the plant.

Raw water is supplied to the plant from Narmada main canal and intake-1 and intake-2. As the canal water is relatively clean and doesn't have high turbidity, pre settlers are not provided in the plant.

The in charge of plant had ordered the staff to show backwashing of RSF, students were amazed on observing it.

Thus the visit was found to be fruitful not only to the students but to the faculty also.