

TECHNICAL VISIT AT SARADAR SAROVAR DAM

Date: 27/01/2017

Civil engineering department has organized technical visit for final students, total 136 students with 3 faculties had visited Sardar Sarovar site nearly 11:00 am on 27/01/2017. Students were guided and made aware about the different components of dam like spillway, head regulator, radial gauge, turbine operation room and some of the unbelievable facts regarding construction of that dam like statue of unity, which has commenced its foundation work and expected to complete by 2018 to 2020; which will stand tall about 182 m height, that is going to be the tallest statue in the world and the structure consist of museum, library, etc. which is going to be the tourist attraction.

The Sardar Sarovar dam is gravity type dam. The dam consist of 30 radial gates and height of dam is 163 m which has affected many villages of Gujarat, Maharashtra, and Madhyapradesh. The length of dam is 1210 m. The rope which carries the crane which is deployed has carrying capacity of 28 tons of concrete and it is continuous without any joint. Following that, the main canal of dam was visited which supplies water in the region of Saurashtra, Ahmadabad and Kutch. The hydroelectric power which is produced by this project is supplied to many parts of Maharashtra and Madhyapradesh. In India this dam secures first rank in terms of storage capacity and third rank in terms of height of dam.

Later the students were guided to Bodeli for visit of syphon aqueduct. It was a huge structure and scouring effect was observed on field at the base of pile. It is the biggest syphon aqueduct in all over India where Narmada River is crossing the Orsang river.



Fig. 1 Sardar Sarovar Dam



Fig. 2 Narmada Main Canal Gate



Fig. 3 Students at Sardar Sarovar Dam



Fig. 4 Syphon Aqueduct on Orsang river at Bodeli