



L. J. Institute of Engineering & Technology

LJ Campus, Near Sanand Sarkhej Circle, S.G.Highway
Ahmedabad

Technical Visit Report

Department of Civil Engineering

Date of Visit

(07/09/2018)

Place

(Sardar Sarovar Dam, Kevadiya Colony, Navagam, Gujarat)

Duration of Visit

(18 Hours/01-Days)

BE Semester: **7th**

No. of Students Participant in Visit: **87**

Name of Faculty Members:	Mr.Dhruv Parmar	9714411195
	Mr.Keval Patel	9601133239
	Mr.Vismay Shah	9726599856
	Ms.Prachi Sharma	8238032661



INFORMATION ABOUT PLACE:

The Sardar Sarovar Dam is a gravity dam on the Narmada river near Navagam, Gujarat in India. Four Indian states, Gujarat, Madhya Pradesh, Maharastra and Rajasthan, receive water and electricity supplied from the dam. The foundation stone of the project was laid out by Prime Minister Jawaharlal Nehru on April 5, 1961.

TYPE OF DAM	GRAVITY DAM, CONCRETE
IMPOUNDS	NARMADA RIVER
HEIGHT	138.68 METERS
HEIGHT (FOUNDATION)	163 M (535 FT)
LENGTH	1,210 M (3,970 FT)
SPILLWAY CAPACITY	84,949 M ³ /S (2,999,900 CU FT/S)
Reservoir Maximum length	214 Km
Reservoir Maximum Width	1.77Km
Reservoir Maximum Water Depth	140m

OBSERVATIONS DURING THE VISIT:

STATUE OF UNITY:

Height	182m
Designer	Ram. V. Sutar
Material	Steel Framing , RCC, Bronze Coating

STATUS OF STATUE OF UNITY-

Which was in the final phase of construction with the capacity of 15,000 people for visiting in its foundation and 200 people in the gallery constructed at the chest of Sardar Patel from which one can have entire view of dam.

They were introduced the spillway function and working (Capacity - 29,99,900 Cu.ft/Sec), Watershed, Sluice valve , infiltration gallery , RBPH (1200 MW), CBPH(250MW), Turbines - Francis and Kaplan turbine, "A - Frame", Construction of Dam, Tunnel - Ventilation and Drainage.

SUBJECTS OR TOPIC RELATED TO VISIT:

IRRIGATION ENGINEERING

OUTCOMES/UNDERSTANDING FROM THE VISIT:

Working and function of Components of dam, Spillway Design, Construction Method of dam, Sluice valve Function, Road Way.

FEEDBACK OF STUDENTS:

Students learnt about the actual working of spillway and turbine.

They show the various components of dam like infiltration gallery, Upstream, Downstream, Road way, U/S protection, D/s Protection, Plunge pools, RBPH, CBPH, Radial Gate, Head Regulator, Cross Regulator.

Name of H.O.D.:

Ms. Zalak Bhavsar

Prepared By:

Mr. Dhruv Parmar





Name of Department: Civil Department

Sr. No.	Date of visit	Semester	Name of Company/Industry	Address	No. of students participated	No of faculty participated	Remarks
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