



CIVIL ENGINEERING DEPARTMENT

A REPORT ON TECHNICAL VISIT AT SARDAR SAROVAR DAM



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- TOTAL NO. OF STUDENTS: 83
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BASIC INFORMATION



NARMADA MEANS 'EVER – DELIGHTFUL', ONE OF THE HOLIEST RIVERS IN THE COUNTRY OF INDIA



VISITED PLACE

1. SARDAR SAROVAR DAM & RESERVOIR

2. POWER HOUSE

3. MAIN CANAL



Fig. NARMADA MAIN CANAL

- Narmada Main Canal is a contour canal. It is the biggest lined irrigation canal in the world. It is about 458.318 km. long up to Gujarat -Rajasthan border. The canal extends further in the state of Rajasthan to irrigate areas in Barmer and Jhalore districts of Rajasthan.
- The Main Canal is lined with plain cement concrete to minimise seepage losses to attain higher velocity and to control the water logging in future.



- The lining work is carried out with the mechanized pavers. Such a large scale paving of concrete lining is done for the first time in India.
- The Main Canal in its journey has to negotiate several water streams, rivers, roads, railways etc. This is possible by constructing appropriate structure on the canal. In all, there are 638 structures on the Narmada Main Canal.
- Narmada Main Canal as on today is completed up to 458 Km. and water has been flowing through it right upto the state of Rajasthan.

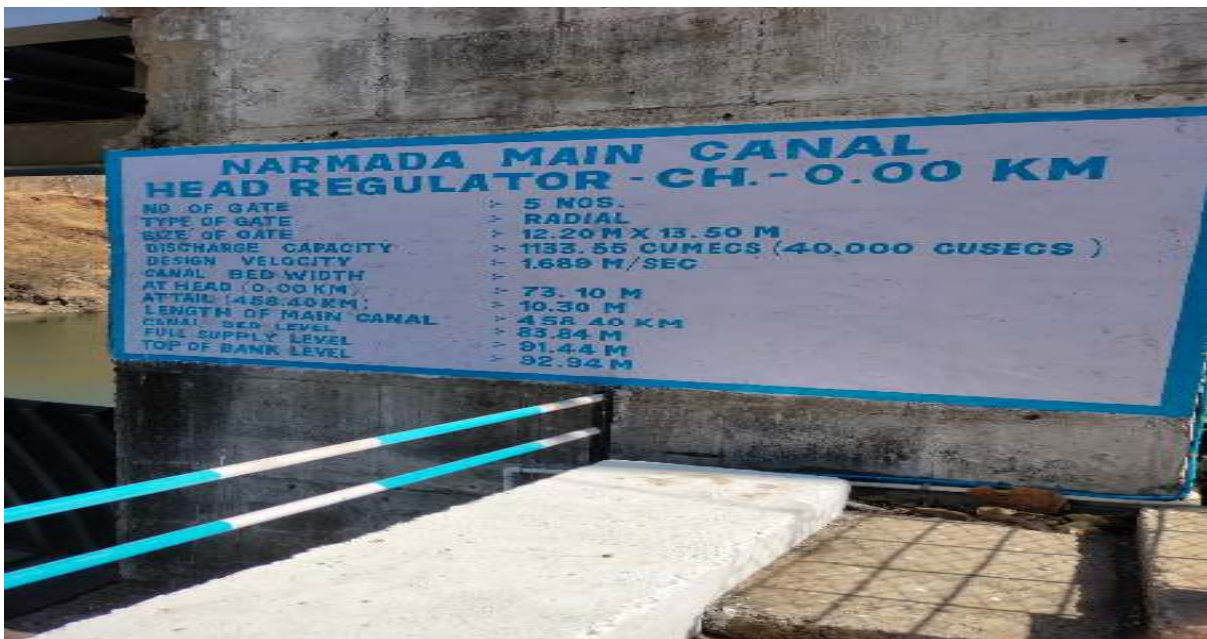


Fig. NARMADA MAIN CANAL HEAD REGULATOR FOR 0.00 KM



Fig. NARMADA MAIN CANAL

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During visit to Sardar Sarovar Project, initially the entire basin map of Narmada valley was studied. For the construction of Sardar Sarovar dam the huge batching plant of 330 cu.m. per hour has been installed and 28 tone capacity cable was is being operated for sake of construction of dam. This really added advanced technical background regarding construction of dam. Narmada main canal, we are fortunate to visit various canal structures like, Chute spillway which is very unique in canal network. We also visited and studied the Rock fill dam in the vicinity of Sardar Sarovar Project.



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GROUP PHOTO AT SARDAR SAROVAR DAM

