



IEEE UIET

Panjab university

INDUSTRIAL VISIT REPORT

Name of Industry: Bhakra Nangal Dam

Date of Visit: 25/04/2015, Saturday

Total No. of Students: 20

Faculty Coordinator: Dr. Y.P.Verma

The IEEE UIET had arranged an industrial visit to Bhakra Nangal Dam as well as Ganguwal and Kotla Power house for IEEE students of IEEE UIET Student Branch. The visit was organized with the prior permission and guidance of Hon. Director Prof. RENU VIG and Dr. Y.P.Verma (Faculty of EEE Department and IEEE UIET Coordinator).

Detail of Visit:

Bhakra Dam is a concrete gravity dam across the Sutlej River and is near the border between Punjab and Himachal Pradesh in northern India.

The dam, located at a gorge near the (now submerged) upstream Bhakra village in Bilaspur district of Himachal Pradesh, which is about 13 km upstream from Nangal townshi, is Asia's second tallest at 225.55 m (740 ft) high next to the 261m Tehri Dam also in India. The length of the dam (measured from the road

above it) is 518.25 m; it is 9.1 m broad. Its reservoir, known as the "Gobind Sagar", stores up to 9.34 billion cubic meters of water, enough to drain the whole of Chandigarh, parts of Haryana, Punjab and Delhi. The 90 km long reservoir created by the Bhakra Dam is spread over an area of 168.35 km². In terms of storage of water, it withholds the second largest reservoir in India, the first being Indira Sagar dam in Madhya Pradesh with capacity of 12.22 billion cu m.



Described as 'New Temple of Resurgent India' by Jawaharlal Nehru, the first prime minister of India, the dam attracts tourists from all over India.

Nangal dam is another dam downstream of Bhakra dam. Sometimes both the dams together are called Bhakra-Nangal dam though they are two separate dams.



Bus left the college for visit on **25th of April at 9.00 am**. The first destination was Ganguwal Power House. Officials at Power house convey the students on Power generation and working principle of various machines in detail. Then our next stop was bhakra Nangal Dam at the end of visit, there was a technical interaction to strengthen the knowledge regarding Power production with Dr. Y.P.Verma Sir and SDO of Bhakra Nangal Dam



The visit was very fruitful as it improved our knowledge of operation of hydro power plant. We had very good support and cooperation from all concern

Instructors available in the site of power plant who explained each and every section very interestingly and deeply.

VISIT EXPENDITURE:

Total expenditure for the industrial visit= 7,428 INR

Money expected from IEEE Delhi section 7,428 INR