



Report On Industrial Visit

UKAI HYDRO POWER STATION (GSECL)

Arranged by

Electrical Engineering Department,

A.Y.DADABHAI TECHNICAL INSTITUTE, KOSAMBA

VISIT REPORT

Date:- 04/11/2023

Department:- Electrical Engineering

Semester:-3rd

Subject:- Switchgear and protection

No Of Students:-30

Name Of Faculty:-

- 1) Mrs. Sneha Manik (Lecturer)
- 2) Mr. Ravi Singh (Lecturer)
- 3) Mr. H.N Desai (Lab Assistant)
- 4) Mr. P. J. Patel (Lab Assistant)

Name Of Place/Company Visited:-Ukai Hydro Power Station (GSECL)

About Company & Visit

On the 4th of November 2023 our electrical Department has arranged an industrial visit for our 3rdsem students. Total 30 students & four faculty members had visited Ukai Hydro Power Station.

Technical Data of Ukai Hydro Power Station.

Salient Feature of UKAI Hydro Power Station

1.

Unit No	Capacity	Date Of Commissioning
1	75 MW	08/07/1974
2	75 MW	13/12/1974
3	75 MW	22/04/1975
4	75 MW	04/03/1976

2. Total Project cost in rs. 23 Crores
3. Max. Reservoir level 345 feet & minimum working level of reservoir level 270 feet
4. Complete machinery is indigenous manufactured at BHEL, BHOPAL
5. Max water consumption for each set = 600 cu feet/sec

6. In construction of this hydro power station 5 Lacks cement Bags & 400 mt M. S. round bar were consumed.
7. The weight for rotor of the generator is 220 MT.
8. The total length of dam is 4926.79 mts. Out of which 868.83 mtrs is RCC dam & 4057.96 is cement dam.
9. The catchment area of the dam is 62225 Km².
10. Turbine is of "KAPLAN" type

Ukai hydro power station is connected with ukai thermal power station by 220 kv tie line no 1 & 2, the power generated is also transmitted directly through 220 kv hydro Acchalia no 1 & 2.

PHOTO GALLERY:

