



Report On Industrial Visit

UKAI HYDRO POWER STATION (GSECL)

Arranged by

Electrical Engineering Department,

A.Y.DADABHAI TECHNICAL INSTITUTE, KOSAMBA

VISIT REPORT

Date:- 22/02/2025

Department:- Electrical Engineering

Semester:-4TH& 6TH

Subject:-Distribution & Utilization

No Of Students:-44

Name Of Faculty:-

- 1) Mrs.Sneha Manik (Lecturer)
- 2) Mr. RaviSingh (Lecturer)
- 3) Mr. J C Patel (Lab Assistant)
- 4) Mr. J. Patel (Lab Assistant)

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

About Company & Visit

On the 22th of february 2025 our electrical Department has arranged an industrial visit for our 4th sem students. Total 44 students & 4 faculty members had visited Ukai Hydro Power Station.

Technical Data of Ukai Hydro Power Station.

Salient Feature Of UKAI Thermal Power Station

1.

Unit No	Capacity	No. of Units	Date Of Commissioning
1	120 MW	2	08/07/1974
2	200 MW	2	13/12/1974
3	210 MW	1	22/04/1975
4	500 MW	1	04/03/1976

2. Total Project cost in rs. 23Crores
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 = 600cu 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:

