

INDUSTRIAL VISIT AT THERMAL POWER STATION-SIKKA



ATMIYA UNIVERSITY

SUMMARY REPORT

GSECL Thermal Power Station-Sikka

Date – 22/02/2023

Patron – Param Puja Tyagvallabh Swamiji, Secretary, Sarvodaya Kelavani Samaj

Chief Convenor – Dr. M.S.Kagahara, Associate Dean

Convener – Mr. Mahesh L. Dhola, Head of Dept

Coordinators - Mr. Nikunj D Shyara, Lecturer

Organizer – School of Diploma Studies

No. of Participants – 10

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Objective of the visit:

Industrial visit gives students an opportunity to get insight regarding the internal working environment of a company and how a company functions, as well as useful information related to the practical aspects of the educational course which cannot be visualized in lectures. Industrial interaction plays a very important role in the understanding of practical application of various theoretical concepts. This industry visit was arranged keeping in view the subject name Generation and Transmission of Electrical Power.

Semester: 4th Sem. Diploma Electrical Engg

No. of Students: 10

Name of faculties coordinate visit: Mr. Nikunj D Shyara

Places visited:

1) **Name of Industry:** GSECL Thermal Power Station-Sikka

2) **Date of visit:** 22/02/2023

Time of visit: 1:15 PM

Officials contacted: Mr. Hitesh Jadav IMD Section
(7600798979)

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Company Profile

Gujarat State Electricity Corporation Limited (GSECL) was incorporated in August 1993 and is registered under the Companies Act, 1956 with the objectives to initiate a process of restructuring of Power Sector and to mobilize resources from the market for adding to the generating capacity of the State and improving the quality and cost of existing generation. The Company was promoted by erstwhile Gujarat Electricity Board (GEB) as its wholly owned subsidiary in the context of liberalization and as a part of efforts towards restructuring of the Power Sector. The Memorandum and Articles of Association of GSECL envisage a wide spectrum of activities to improve the electricity infrastructure of Gujarat. GSECL has initiated its activities in the field of Generation of Power.

The Government of Gujarat (GoG) has also given to the GSECL the status of Independent Power Producer (IPP) with approval to undertake new power projects. The Company commenced its commercial operation in the year 1998. However, the operations of GSECL were limited to Power Stations units Gandhinagar #5, Wanakbori #7, Utran GBPS & Dhuvaran CCPP till the complete unbundling of erstwhile GEB was undertaken, i.e. up to 31st March 2005.

As a part of the reform process, the Government of Gujarat has unbundled the various functions of GEB. As a result of this unbundling, Gujarat State Electricity Corporation Limited (GSECL) has taken up the responsibility of electricity generation. Electricity Transmission has been entrusted to the already existing company - GETCO. Distribution network in the state has been split up among four distribution companies, which cater to the northern, central, southern, and western parts of the state respectively. All these companies have been structured as subsidiaries of a holding company, Gujarat Urja Vikas Nigam Limited (GUVNL). GUVNL is also the single bulk buyer in the state as well as the bulk supplier to distribution companies. It will also carry out the trading function in the state.

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Brief Introduction:-

Sikka Thermal Power Station is one of Gujarat's coal-fired power plants. It is located near Jamnagar which is the major industrial town in Gujarat. The Plant contains two units each having capacity of 250MW.

During the visit, students gain practical knowledge of coal pulverization process, D.M. plant, steam boiler, steam turbine, control room, boiler mounting and boiler accessories.

List of students visited

Sr. No.	Enrolment No.	Name
1	210103006	GAJERA FENIL PRAVINBHAI
2	210103010	MANDALIYA PRIYANSHU RAJESHBHAI
3	210103015	RATHOD PARTH BHANJIBHAI
4	210103016	SANEPARA JAY BHARATBHAI
5	210103019	SHYARA YAGNIK VIJAYBHAI
6	210103022	THAKER DEVANSH HITESHBHAI
7	210103023	VAGHASIA HET ASHVINBHAI
8	210103026	VAYEDA RAGHAV RAJESH
9	210103027	VYAS HARSHIL SANJAYBHAI
10	221103001	CHAUHAN PRAVINKUMAR

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Glimps of Visit



Prepared by Mr. Nikunj D Shyara