

A
Report
on

Industrial Visit
Essar Power Limited, Hazira, Surat, Gujarat



Organized By

DEPARTMENT OF ELECTRICAL ENGINEERING



छोटुभाई गोपालभाई पटेल प्रौद्योगिकी संस्थान, बारडोली
Chhotubhai Gopalbhai Patel Institute of Technology, Bardoli

About The Plant:

Essar Power Ltd is one of India's largest private sector power producers with an operating track record of over 20 years. It owns plants in India and Canada with a planned generation capacity of 5,090 MW, of which 3,830 MW is operational. The operating plants are at Mahan in Madhya Pradesh, Hazira & Salaya in Gujarat, Paradeep in Odisha, and Algoma in Ontario, Canada. Another 1,260 MW of capacity is under construction at Tori, Jharkhand, and Paradeep. Essar Power has also invested in the transmission business, building a 465-km transmission system that spans three Indian states.

About Operations at Essar Power:

Essar Power Hazira (270 MW):

Essar Power Hazira is fuelled predominantly by imported coal and corex gas fines from the adjacent Essar Steel corex plant and comprises of two generation units of 135-MW capacity each.

Essar Power Hazira (515 MW):

Essar Power-Hazira power plant located near the Essar Steel facility in Hazira, Gujarat is a multi-fuel (naphtha, high-speed diesel, natural gasoline liquid and/or natural gasaz) combined-cycle plant.

Essar Steel and GUVNL, the Gujarat State power utility, purchase 215 MW and 300 MW of the power, respectively.

Essar Bhandar Power-Hazira (500 MW):

The Bhandar Power-Hazira plant, located in Hazira, Gujarat, is a natural gas-fired combined-cycle captive power plant.

Essar Steel and other Essar Affiliated Companies are responsible for providing the natural gas required by the Bhandar Power-Hazira plant, and in turn take the power generated pursuant to their PPAs with Bhandar Power.

Details of Visit:

Department of Electrical Engineering organized the visit to Essar Power Limited, Hazira, Surat, for the student of 7th sem B. Tech Electrical Engineering on 23rd August 2019.

Date of Visit	Branch and Semester	No. of Students	Accompanied Faculties
23/08/2019	Electrical 7 th	20	Mr. Ankur V Rana, Mr. Darshan R Vora

Chhotubhai Gopalbhai Patel Institute of Technology

Industrial Visit At Essar Power

Sr. No	Enrollment No	Student Name	Signature
1	201503100610050	Rahel Ratilalbhai Gamit	Rahel Gamit
2	201503100610073	Rutvikumar Vinodbhai Vaghasiya	Rutvik
3	201603100610003	Krishnaben Rajeshbhai Gamit	K. R. Gamit
4	201703100620005	Devanshi Patel	Devanshi
5	201503100610054	Deval Krupeshbhai Mehta	
6	201603100610001	Dhaval Nareshbhai Dhola	D. N. Mehta
7	201603100610002	Vishal Bhupatbhai Hadiya	Vishal
8	201603100610007	Milan Arvindbhai Mayani	M. M. A
9	201603100610016	Jenil Shaileshbhai Anghan	Jenil
10	201603100610017	Asit Mukeshbhai Vora	Asit
11	201603100610021	Parth Gabhrubhai Savaliya	Parth
12	201603100610032	Tusharkumar Rameshbhai Patel	Tushar
13	201603100610042	Kunjan Dilipkumar Patel	Kunjan
14	201703100620001	Romin Ashokbhai Navadiya	Romin
15	201703100620002	Sudhirkumar Jayantibhai Panchani	Sudhir
16	201703100620003	Paresh Nanaji Raul	Paresh
17	201703100620006	Pritesh Kumar Shambhulal Rawal	P. S. R
18	201703100620009	Fenilkumar Nandalal Thummar	Fenil
19	201403100610067	Vatsal Hasmukhbhai Baraiya	Vatsal
20	201603100610035	Kumar Singh Rishu	Rishu

Glimpses of Visit



Group Photo at Essar Power Limited, Hazira, Surat



Group Photo at Essar Power Limited, Hazira, Surat

We heartiest thanks to Essar Power Limited to give an opportunity to visit such an esteemed organization and also thanks to our director Dr. R. V. Patil sir, Head of the Department Mrs. Krupa Dave and all the faculties for coordinating the visit.