

Adani Thermal Power Station, Dahanu

Sr No	Name	Sign
1.	Mayur Shirsath	
2.	Vivek Tekade	
3.	Darshan Wagh	
4.	Dhruv Mondhe	
5.	Shyam Tupe	
6.	Yash Sonawane	
7.	Om Thorat	
8.	Alim Tamboli	
9.	Vishal Phatangare	
10.	Prasad Wakchaure	
11.	Saurabh Singh	
12.	Ganesh Shinde	
13.	Rohit Shelke	
14.	Pranav Revadkar	
15.	Omkar Raut	
16.	Omkar Ranmale	
17.	Abhishek Ranjale	
18.	Prathmesh Satpute	
19.	Parag Sonawane	
20.	Sanket Shelke	
21.	Saideep Thombare	
22.	Pade Vinayak	
23.	Aditya Nikam	
24.	Suraj Mandlik	

25.	Aditya Mohite	
26.	Manthan Wagh	
27.	Pawbake Chaitanya	
28.	Pratik Ugalmugale	
29.	Saurav Pandangale	
30.	Sudarshan Thorat	
31.	Shubham Shekade	
32.	Chaitanya Pabale	
33.	Swapnil Satpute	
34.	Poonam Raut	
35.	Sakshi Pawase	
36.	Vaishanvi Pawar	
37.	Nikita Sahane	
38.	Kumodini More	
39.	Akshada Sonawane	
40.	Nikita Tawale	
41.	Kiran Pande	
42.	Prajakta Mohite	
43.	Akshada Salunke	
44.	Shravani Mote	
45.	Siddhi More	
46.	Gayatri Surve	
47.	Manjusha Thorat	
48.	Gauri Ugale	
49.	Kalyani Mulinti	
50.	Rosemeen Shaikh	

Visit Date: 16/09/2022

Staff Coordinators:

1. Prof. P.B.Wakchaure
2. Prof. B.R.Varpe

Adani Thermal Power Station, Dahanu

Sr No	Name	Sign
1.	Mayur Shirsath	
2.	Vivek Tekade	
3.	Darshan Wagh	
4.	Dhruv Mondhe	
5.	Shyam Tupe	
6.	Yash Sonawane	
7.	Om Thorat	
8.	Alim Tamboli	
9.	Vishal Phatangare	
10.	Prasad Wakchaure	
11.	Saurabh Singh	
12.	Ganesh Shinde	
13.	Rohit Shelke	
14.	Pranav Revadkar	
15.	Omkar Raut	
16.	Omkar Ranmale	
17.	Abhishek Ranjale	
18.	Prathmesh Satpute	
19.	Parag Sonawane	
20.	Sanket Shelke	
21.	Saideep Thombare	
22.	Pade Vinayak	
23.	Aditya Nikam	
24.	Suraj Mandlik	

25.	Aditya Mohite	
26.	Manthan Wagh	
27.	Pawbake Chaitanya	
28.	Pratik Ugalmugale	
29.	Saurav Pandangale	
30.	Sudarshan Thorat	
31.	Shubham Shekade	
32.	Chaitanya Pabale	
33.	Swapnil Satpute	
34.	Poonam Raut	
35.	Sakshi Pawase	
36.	Vaishanvi Pawar	
37.	Nikita Sahane	
38.	Kumodini More	
39.	Akshada Sonawane	
40.	Nikita Tawale	
41.	Kiran Pande	
42.	Prajakta Mohite	
43.	Akshada Salunke	
44.	Shravani Mote	
45.	Siddhi More	
46.	Gayatri Surve	
47.	Manjusha Thorat	
48.	Gauri Ugale	
49.	Kalyani Mulinti	
50.	Rosemeen Shaikh	

Visit Date: 16/09/2022

Staff Coordinators:

1. Prof. P.B.Wakchaure
2. Prof. B.R.Varpe

Amrutvahini College of Engineering, Sangamner, Department of Mechanical Engineering
Adani Thermal Power Station, Dahanu

Sr No	Name	Sign
1.	Mayur Shirsath	<i>Shirsath</i>
2.	Vivek Tekade	<i>Tekade</i>
3.	Darshan Wagh	<i>Darshan Wagh</i>
4.	Dhruv Mondhe	<i>Mondhe</i>
5.	Shyam Tupe	
6.	Yash Sonawane	
7.	Om Thorat	<i>Om Thorat</i>
8.	Alim Tamboli	<i>Alim Tamboli</i>
9.	Vishal Phatangare	<i>Phatangare</i>
10.	Prasad Wakchaure	<i>Wakchaure</i>
11.	Saurabh Singh	<i>Saurabh Singh</i>
12.	Ganesh Shinde	<i>Ganesh Shinde</i>
13.	Rohit Shelke	<i>Rohit Shelke</i>
14.	Pranav Revadkar	<i>Pranav Revadkar</i>
15.	Omkar Raut	<i>Omkar Raut</i>
16.	Omkar Ranmale	<i>Omkar Ranmale</i>
17.	Abhishek Ranjale	<i>Abhishek Ranjale</i>
18.	Prathmesh Satpute	<i>Prathmesh Satpute</i>
19.	Parag Sonawane	<i>Parag Sonawane</i>
20.	Sanket Shelke	<i>Sanket Shelke</i>
21.	Saideep Thombare	<i>Saideep Thombare</i>
22.	Pade Vinayak	<i>Pade Vinayak</i>
23.	Aditya Nikam	<i>Aditya Nikam</i>
24.	Suraj Mandlik	<i>Suraj Mandlik</i>

25.	Aditya Mohite	<i>Aditya Mohite</i>
26.	Manthan Wagh	<i>Manthan Wagh</i>
27.	Pawbake Chaitanya	<i>Pawbake Chaitanya</i>
28.	Pratik Ugalmugale	<i>Pratik Ugalmugale</i>
29.	Saurav Pandangale	<i>Saurav Pandangale</i>
30.	Sudarshan Thorat	<i>Sudarshan Thorat</i>
31.	Shubham Shekade	<i>Shubham Shekade</i>
32.	Chaitanya Pabale	<i>Chaitanya Pabale</i>
33.	Swapnil Satpute	<i>Swapnil Satpute</i>
34.	Poonam Raut	<i>Poonam Raut</i>
35.	Sakshi Pawase	<i>Sakshi Pawase</i>
36.	Vaishanvi Pawar	<i>Vaishanvi Pawar</i>
37.	Nikita Sahane	
38.	Kumodini More	<i>Kumodini More</i>
39.	Akshada Sonawane	<i>Akshada Sonawane</i>
40.	Nikita Tawale	<i>Nikita Tawale</i>
41.	Kiran Pande	<i>Kiran Pande</i>
42.	Prajakta Mohite	<i>Prajakta Mohite</i>
43.	Akshada Salunke	<i>Akshada Salunke</i>
44.	Shravani Mote	<i>Shravani Mote</i>
45.	Siddhi More	<i>Siddhi More</i>
46.	Gayatri Surve	<i>Gayatri Surve</i>
47.	Manjusha Thorat	<i>Manjusha Thorat</i>
48.	Gauri Ugale	<i>Gauri Ugale</i>
49.	Kalyani Mulinti	<i>Kalyani Mulinti</i>
50.	Rosemeen Shaikh	<i>Rosemeen Shaikh</i>

Visit Date: 16/09/2022

Staff Coordinators:

1. Prof. P.B.Wakchaure
2. Prof. B.R.Varpe

Route: Sangamner-Sinnar-Nasik-Trambakeshwar-Javhar-Medhi-Adani Thermal Power Station ,Dahanu-Dahanu Beach

Adani Thermal Power Station, Dahanu

Sr No	Name	Sign
1.	Mayur Shirsath	
2.	Vivek Tekade	
3.	Darshan Wagh	
4.	Dhruv Mondhe	
5.	Shyam Tupe	
6.	Yash Sonawane	
7.	Om Thorat	
8.	Alim Tamboli	
9.	Vishal Phatangare	
10.	Prasad Wakchaure	
11.	Saurabh Singh	
12.	Ganesh Shinde	
13.	Rohit Shelke	
14.	Pranav Revadkar	
15.	Omkar Raut	
16.	Omkar Ranmale	
17.	Abhishek Ranjale	
18.	Prathmesh Satpute	
19.	Parag Sonawane	
20.	Sanket Shelke	
21.	Saideep Thombare	
22.	Pade Vinayak	
23.	Aditya Nikam	
24.	Suraj Mandlik	

25.	Aditya Mohite	
26.	Manthan Wagh	
27.	Pawbake Chaitanya	
28.	Pratik Ugalmugale	
29.	Saurav Pandangale	
30.	Sudarshan Thorat	
31.	Shubham Shekade	
32.	Chaitanya Pabale	
33.	Swapnil Satpute	
34.	Poonam Raut	
35.	Sakshi Pawase	
36.	Vaishanvi Pawar	
37.	Nikita Sahane	
38.	Kumodini More	
39.	Akshada Sonawane	
40.	Nikita Tawale	
41.	Kiran Pande	
42.	Prajakta Mohite	
43.	Akshada Salunke	
44.	Shravani Mote	
45.	Siddhi More	
46.	Gayatri Surve	
47.	Manjusha Thorat	
48.	Gauri Ugale	
49.	Kalyani Mulinti	
50.	Rosemeen Shaikh	

Visit Date: 16/09/2022

Staff Coordinators:

1. Prof. P.B.Wakchaure
2. Prof. B.R.Varpe

Route: Sangamner-Sinnar-Nasik-Trambakeshwar-Javhar-Medhi-Adani Thermal Power Station ,Dahanu-Dahanu Beach

Industrial Visit Completion Certificate

To
The Principal,
Amrutvahini College of Engg.
Sangamner, Ahmednagar.

16/09/2022

Sub: Industrial Visit

Sir,

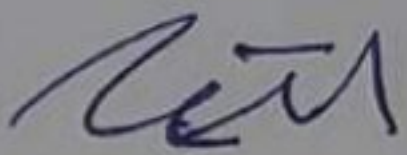
We wish to inform you that total 50 number of students of SE class of Mechanical Engineering from your college have visited our plant on 16/09/2022 at 10:30 am on account of industrial visit.

The students were led by **Prof. P.B.Wakchaure & Prof. B.R.Varpe** faculty from your college.

We have shared all the required information to the students and they had a plant round after a brief interaction.

During the visit, all the students have shown great discipline and decency in their approach.

Thanking You.



Shubham Sonar
Yours faithfully

4. Machines & Equipments, Tools Used?

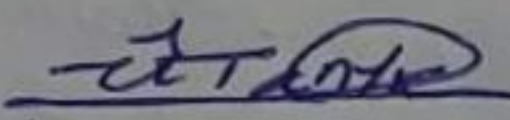
1) Cooling tower 2) Cooling water pump 3) Transmission Phase (3-phase) 4) Step up transformer 5) Electric generator 6) Low pressure steam turbine 7) Condenser pump 8) High pressure steam turbine 9) Feed water heater 10) Coal Conveyor 11) Coal hopper 12) Coal pulveriser 13) Boiler 14) ash hopper 15) Superheater 16) Reheater 17) Combustion air intake 18) Economiser 19) Flue gas stack.

5. What are the Finding during visit?

This Plants use a mix of indian washed coal & imported coal. The general blending ratio is 80:20, The plant has supplies 250 mw energy to sub-urban mumbai. The power plant gets many awards in terms of performance, technological innovation & sustainability.

6. Conclusion and recommendations for the Visit?

It provides an opportunity to learn low technology used at proper place & time can save a lot of labour. However visit has proved to be quite fruitful. It has allowed an opportunity to get an exposure of the practical impledation to theoretical fundamentals.


— Pawbake Chaitanya
(Name & Signature of Student)

AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER

INDUSTRY VISIT REPORT

Name of Student: Pawake Chaitanya Class: SE Branch: Mech

Name of Industry Visited: Adani Dahanu Thermal Power Station Date: 16/09/2022

1. Aims and objectives of the Visit?

- To understand the process
- To experience chemistry at work
- To become aware of the role of different people in an organization
- To become aware of career opportunities
- To recognize the need for health and safety in the workplace
- To focus on specific aspects of the studies

2. Brief about the Industry Profile? (Company Type, Product, Services, Plants & Locations, Management etc.)

Adani - Dahanu Thermal Power Station (ADTPS)
Consisting two units of 250 mw is one of the
best power generation plants in the country
Commenced its commercial operations in
January 1996.

ADTPS is located around 120 km north of
Mumbai along Mumbai - Ahmedabad rail line.

This plant utilise a mix of Indian
washed coal & imported coal as fuel. The
general blending ratio is 80:20. The
indigenous & also imported from
various countries such as Indonesia
& South Africa.

3. Explore the Processes running in organization? (Manufacturing Processes, Layouts, etc)

1) Coal Conveyor: Coal is transported from coal storage
placed in power plant to the place near by boiler. Adani
2) Boiler: Boiler is enclosed vessel in which water is heated
and circulated two types of boiler in power plant sub-
critical & supercritical. 330 Mw is subcritical boiler
& 660 mw unit have supercritical boilers.

AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER

3. How was the Approach towards Practical Knowledge?

To understand working of power plant they have developed one working model room from which students understands working of every device.

4. What are benefits to students from Industrial Visit?

1. Academic ☒

2. Projects ☒

3. Research ☐

4. Consultancy ☐

5. Training ☒

5. Students Opinion about the Industrial Visit?

1. Satisfied ☒

2. Not Satisfied ☐

6. Whether Company is ready to help for College?

1. Industrial Visit ☒

2. Expert Lecture ☐

3. Training ☒

4. Employment ☐

5. Sponserhip Projects ☐

6. Workshop/Seminar ☐

7. How could the visit be improved?

More exposure is required to see actual plant working.

8. Things to follow up for the next industrial visit?

More time to be given to understand the working models of devices.

Biy.

Prof. P. B. Wakchoure
(Name & Signature of Faculty)

[Signature]
(Name & Signature of Industrial Visit Coordinator)

AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER

INDUSTRY VISIT REPORT

Correspondence through Email / Letter No: _____ Date: 13/09/2022
Response through Email / Letter No: _____ Date: 14/09/2022
Name of Faculty: 1. P.B. Wakchoure 2. B.R. Varpe Department: Mech
Visit for Class: S.F Branch: Mech Date: 16/09/2022
Name & Address of Industry Visited: Adani Dahayu Thermal Power
Station, Dahayu
Name of Industry Person: Shubham Sonar
Designation: Junior Engg.
Contact No: 9930997211

1. Introduction about the Company? (Brief about Type of company, Production, Departments, Policies etc)

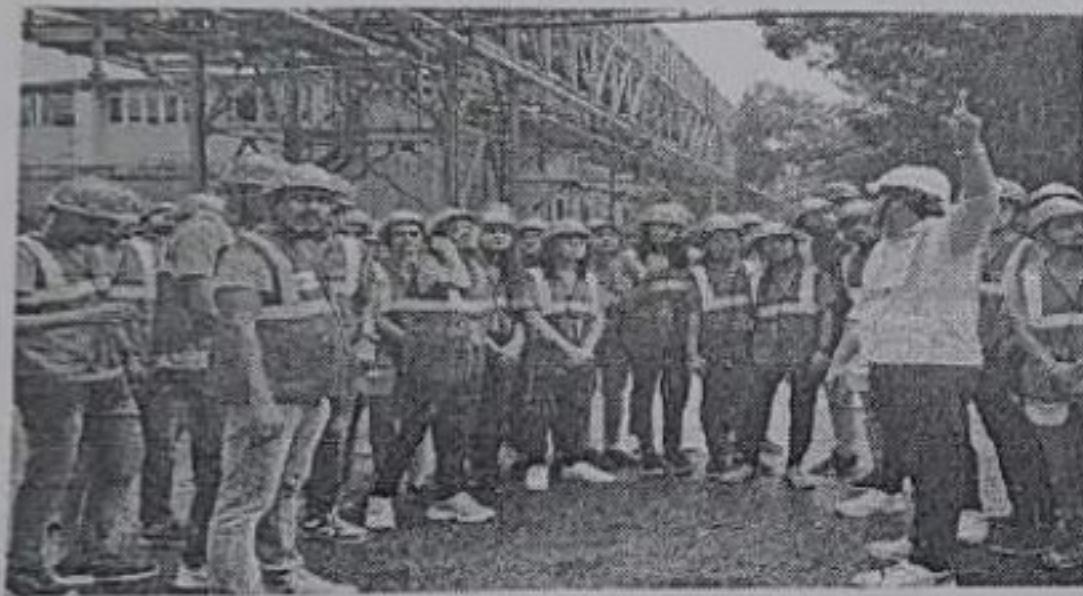
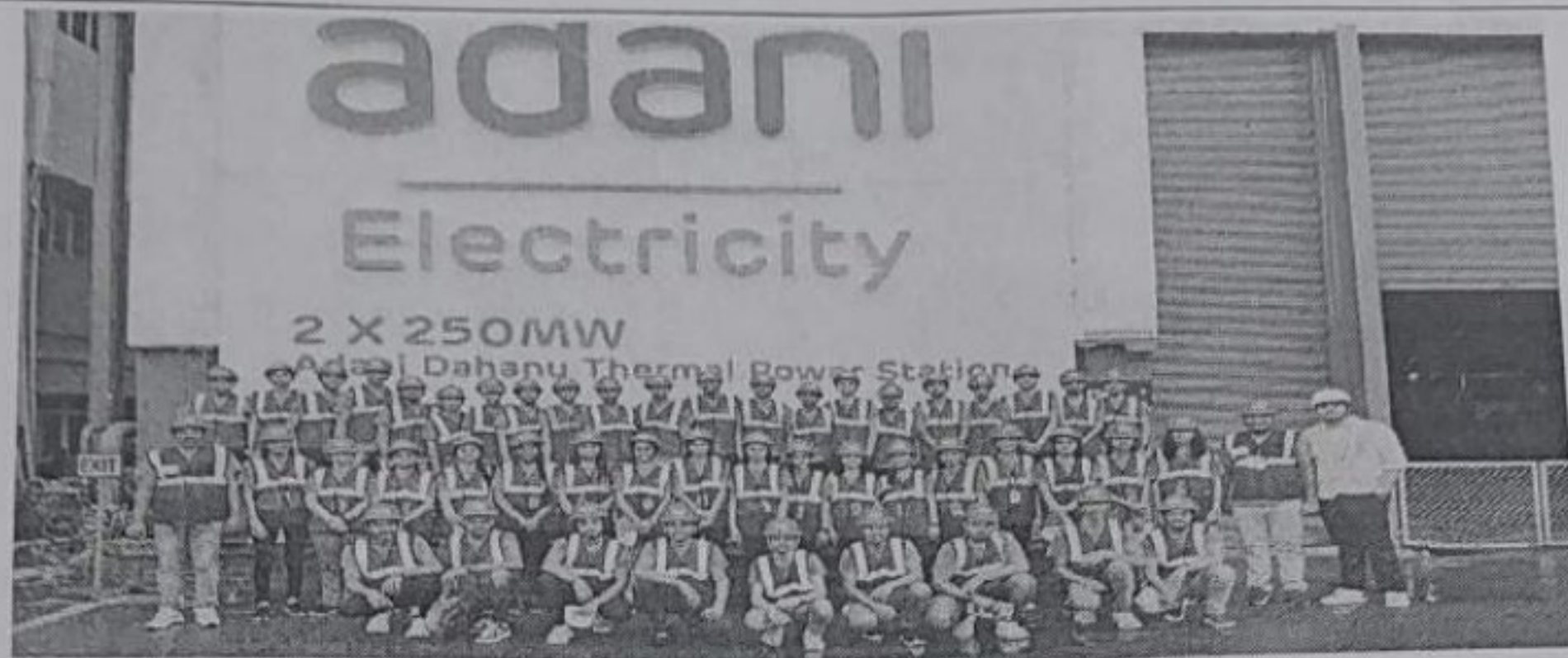
Adani Dahayu Thermal Power Plant is Located near to beach of Dahayu. It produces electricity on the expense of Coal burning. The power plant consist of Coal storage, Hagon Tipler, Coal processing Plant, Boiler Turbines, Generators, Switch Yard, Condenser, Water pond. Electricity Distribution Lines. Safety Policies are very good in the plant. Safety for workers, visitors & for all.

2. Journey Begins.....? (From AVCOE to INDUSTRY VISIT to AVCOE)

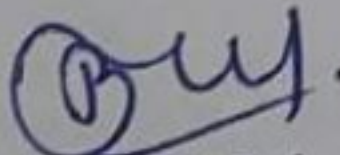
Adani Dahayu Thermal power station is Located at 212 km distance from college. 50 students in college bus started our journey from college campus towards Dahayu. The route is Sinnor - Nasik - Trimbakeshwar - Javhar - Dahayu & back to college. From Trimbakeshwar towards Dahayu the forest area is their covered with no. of trees. Lush Greenary of mountains & ghat roads. Surya Dam back water is on the road. Trimbakeshwar Shiva Temple is on the way.

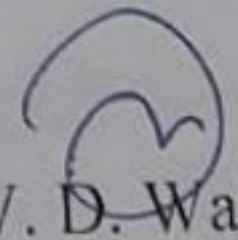
INDUSTRIAL VISIT REPORT

Name of Industry : Adani Dahanu Thermal Power Station
Date of Visit : 26/09/2022
Faculty visited : Prof. P.B.Wakchaure, Prof. B.R.Varpe,
Class : S.E (B) Mechanical
Number of Visitors : 50 students & 2 Faculty members



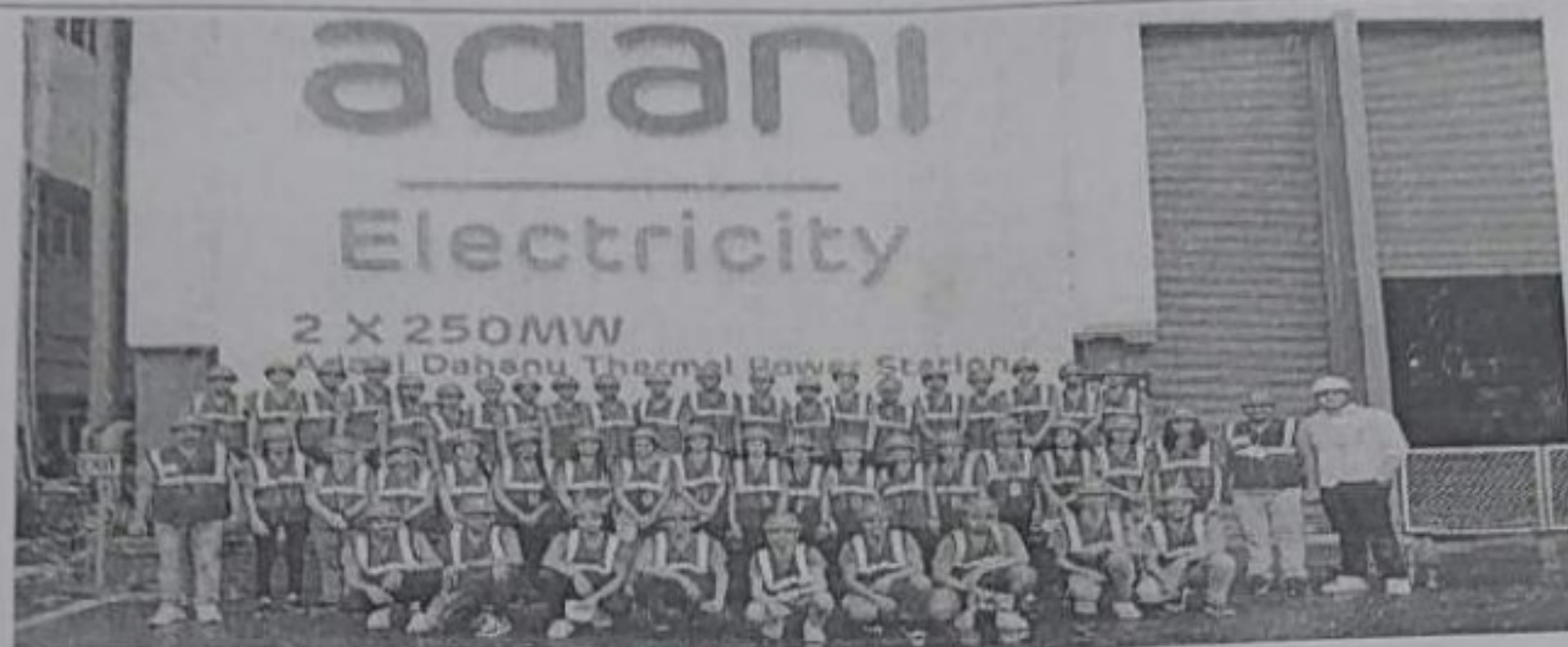
About visit: One day industrial visit to **Adani Dahanu Thermal Power Station**, was organized by Mechanical Engineering Department, for the 2nd year Mechanical Engineering students. The aim of the visit was to enlighten the students about Power generation Processes related to Steam Power Plant, which is an important aspect of learning in their Course Curriculum. Plant In charge made special attempts for our students and demonstrated the operations of various units. Visit began with the water treatment plant. He also introduced students to the company profile and its working with the help of demonstrating working models of power plant. Also students had got a chance to experience various Pressure Gauges, Flow meters used in the inspection of the Boiler as per industry standard. Visit concluded with memorable experiences of glimpses with specialized steam Turbine. We are thankful to the institute & company management for providing the all facilities and generous support.


Prof. P.B.Wakchaure
Faculty Coordinator

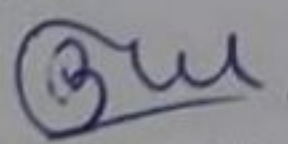

Dr. V. D. Wakchaure
HOD MED

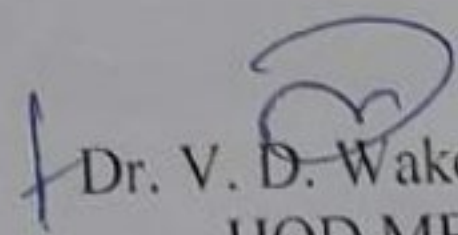
INDUSTRIAL VISIT REPORT

Name of Industry : Adani Dahanu Thermal Power Station
Date of Visit : 26/09/2022
Faculty visited : Prof. P.B.Wakchaure, Prof. B.R.Varpe,
Class : S.E (B) Mechanical
Number of Visitors : 50 students & 2 Faculty members



About visit: One day industrial visit to Adani Dahanu Thermal Power Station, was organized by Mechanical Engineering Department, for the 2nd year Mechanical Engineering students. The aim of the visit was to enlighten the students about Power generation Processes related to Steam Power Plant, which is an important aspect of learning in their Course Curriculum. Plant In charge made special attempts for our students and demonstrated the operations of various units. Visit began with the water treatment plant. He also introduced students to the company profile and its working with the help of demonstrating working models of power plant. Also students had got a chance to experience various Pressure Gauges, Flow meters used in the inspection of the Boiler as per industry standard. Visit concluded with memorable experiences of glimpses with specialized steam Turbine. We are thankful to the institute & company management for providing the all facilities and generous support.


Prof. P.B.Wakchaure
Faculty Coordinator


Dr. V. D. Wakchaure
HOD MED