

DEPARTMENT OF MECHANICAL ENGINEERING

A.Y: 2019-20

Date: 27/12/2019

1. Event Title: Industrial training at Adani Dahanu Thermal Power Station.

2. Event Date: 16/12/2019 to 21/12/2019

3. Event Conduction Duration: 10.00 am to 5.00 pm (Daily)

4. Event Venue: Adani Dahanu Thermal Power Station

5. Event Resource Person Details:

- Mr. Suresh Patil
- Mr. Paresh Parhi
- Mr. Santosh Pednekar
- Mr. Haresh Raut
- Mr. Biswanath Dev
- Mr. Manojkumar Saner
- Mr. Subodh Sharma
- Mr. Divyesh Shah
- Mr. Atul Deshpande
- Mr. Sameer Bhoire

6. Name of Event Coordinator:

- Prof. Ankit Kumar Mishra
- Prof. Sharad E. Bodke

7. Event Objective:

- a. To understand the layout of thermal power plant.
- b. To understand the roll of energy conversion in thermal power plant.

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- c. To understand the components details of thermal power plant.
- d. To understand the water and coal treatment procedure.
- e. To understand the working culture in thermal power plant.
- f. To understand the adoption of new technology in thermal power plant.
- g. To understand the environmental and safety norms related to thermal power plant.

8. Event Outcome:

- a. Ability to distinguish each section of thermal power plant.
- b. Ability to understand the importance of energy.
- c. Ability to understand each component with its working.
- d. Ability to make useful coal for power station and also to purify water for human beings as well as power plant.
- e. Ability to withstand in thermal power plant.
- f. Ability to reduce environmental impact cause by power plant.
- g. Ability to understand new technology.

9. No of Student participated:

S.E: 02

TE: 12

B.E: 03

Total : 17

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10. Details of Students participated:

Sr. No	Name of Student	Gender	Class	Div	Roll No	Mobile No
1	Vishal Rajendra Bagad	Male	TE	C	7	9923724861
2	Sumeet Samad Nathani	Male	TE	B	39	9075871707
3	Kunal Harichandra Desale	Male	TE	B	22	7767096317
4	Atul Ramesh Sonawane	Male	TE	B	55	7020413494
5	Shailesh kundre	Male	TE	A	-	7378830001
6	Pankaj Dnyaneshwar Chaudhari	Male	TE	C	20	8999377128
7	Mangesh Namdev Bhor	Male	TE	B	74	8208227571
8	Bhushan Gangadhar Borse	Male	TE	C	15	7066146312
9	Mahesh Vishnu Belge	Male	TE	B	9	8378981372
10	Vaibhav R. Waghmare	Male	TE	C	62	8888194672
11	Omkar Prashant Kulkarni	Male	TE	B	33	8928934070
12	Tejas Shantaram	Male	SE	B	3	7507513440
13	Shubham dnyandev Jadhav	Male	SE	A	68	9657580146
14	Tejas Haribhai Makani	Male	BE	B	44	9175401310
15	Ashutosh Madhukar Aher	Male	BE	B	9	8999099771
16	Vijay Vasant Sanap	Male	BE	B	60	7020893306
17	Shaikh Mohammad Ibrahim Iqbal	Male	TE	B	52	7666821888

11. Details of Training:

A. Day I : 3:00 PM (Mr. Suresh Patil)

- Lecture on DTPS safety policy
- Industrial safety working at height
- Causes and factors of accident

B. Day I: 4:15 PM (Mr. Paresh Parhi)

- Introduction to ATPS

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- Coal Base Power generation
 - Overview of Power station
- C. Day II: 9:00 AM (Santosh Pednekar)
- Boiler fundamentals
 - Constructional, Operational and Maintenance details.
- D. Day II:11.30 AM (Haresh Raut)
- Introduction to Boiler Auxiliaries.
 - Rotary parts
- E. Day II:02.15 PM (Santosh Pednekar and Haresh Raut)
- Visit to Boiler Section.
- F. Day III: 9:00AM (Paresh Parhi)
- Turbine Auxiliaries
 - HP and LP Bypass
 - Feed water system
- G. Day III: 11.30 AM (Biswanath Dev)
- Turbo generator fundamental
 - Construction, Operation and maintenance details
- H. Day III: 02.15 PM (Paresh Parhi and Santosh Pednekar)
- Visit to power generation section
- I. Day IV: 09:00 AM (Manojkumar Saner)
- Ash handling process
- J. Day IV:11.15 AM (Subodh Sharma)
- Coal handling process
- K. Day IV:2.15 PM (Santosh Sharma and Santosh Pednekar).
- Visit to coal yard
 - Visit to ash disposal system
- L. Day V :09:00 AM (Divyesh Shah)
- Controlling system
 - Fuel oil
- M. Day V :11.15 AM (Atul Deshande)

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- Maintenance and planning for Plant.

N. Day V :02.15 PM (Divyesh Shah and Santosh Pednekar)

- Visit to pumping station.
- Visit to DM water plant.
- Visit to scrubber

O. Day VI:09:00 AM (Sameer Bhoire)

- Management in power plant
- Safe Hot and Cold Startup and Shutdown process

P. DayVI:11.15 AM (Atul Deshpande)

- Conditioning monitoring.
- Fault detection
- Conclusion of Training.

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Event photos which must include photos of Inauguration, felicitation, event conduction and valedictory ceremony. (If applicable)



Photo 1



Photo 2



Photo 3



Photo 4