



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON EVENT “INDUSTRIAL VISIT TO “Dr.NARLA TATA RAO THERMAL POWER STATION, Ibrahimpatnam”

Event Type : Industrial Visit of B.Tech-V Semester A-Section Students

Date / Duration : 16.09.2019 for one day (11.00 A.M to 5.30 PM)

Name of Industry : Dr.NTTPS, Ibrahimpatnam.

Faculty Accompanied: Mr.S.Rami Reddy, Mr.P.Venkata Subba rao

Total no of students: 47

Objective of the event: To get exposure to the power production and distribution process in Thermal Power Plant.

Outcome of event : Students acquired knowledge of power production and distribution process in coal based thermal power plant and observed the working of Water treatment plant, coal handling equipment's, coal crushers, Boilers, super heaters, Economisers, Condensers, Generators, Switch yard, ash handing equipment's Cooling tower etc.

Description / Report on Event:

The III B.Tech I Semester A Section Students of Mechanical Engineering accompanied with Two Faculty members visited Dr.NTTPS,Ibrahimpatnam dated 16.09.2019. The main objective of the visit is to bridge the gap between industry and academia. This power plant is one of the coal-based power plants of APGENCO. It is well placed between Ibrahimpatnam and Kondapalli village. Visit contains two sessions morning session Power plant over view class from 11.15 to 1.30pm and afternoon session Plant visit 2.30pm to 5.30pm.

After arriving the training Institute of APGENCO, Ibrahimpatnam P.Sunitha D.A.E explained about the power plant overview by power point presentation from 11.15 to 1.00pm. In the presentation instructor explained about the Dr.NTTPS introduction and the working of boilers, Steam Turbine, Economiser, coal handling equipment then followed by launch break 1.00pm to 2.pm.

Afternoon session plant visit, Students and faculty moved from Training Institute to plant, where APGENCO training institute Chief Engineer allotted four guides. The guides were explained about the Dr.NTTPS introduction & Safety precautions. Under the guides supervision the students first visited the Coal bunkers where the coal unloaded from wagons into the belt conveyors, next visited water treatment plant, Boilers working, Economisers, cooling tower and power distribution room, switch yard etc.

Dr.NTTPS, Ibrahimpatnam consists of total IV stages and each stage consist two units except Stage IV. Each unit consist of one boiler, turbine and generator and power generation capacity of each unit is 210MW, Stage IV 540MW, Stage V under construction stage.

Feedback / Suggestions: The students felt very happy and they expressed that they have learnt a lot about the power production process from coal based Thermal power plant and observed the process of different thermal devices Boilers, condensers, cooling towers and Hot wells etc.

Photographs: The following are the photographs of Industrial Visit of V Semester - A Section Students to Dr.NTTPS, Ibrahimpatnam.:



Group photo in front of Cooling Tower



Group photo in front of Dr.NTTPS, Ibrahimpatnam

Coordinator

HoD



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REPORT ON EVENT “INDUSTRIAL VISIT TO “Dr.NARLA TATA RAO THERMAL POWER STATION, Ibrahimpatnam”

Event Type : Industrial Visit of B.Tech-V Semester B-Section Students

Date / Duration : 13.09.2019 for one day (11.00 A.M to 5.30 PM)

Name of Industry : Dr.NTTPS, Ibrahimpatnam.

Faculty Accompanied: Mr.S.Rami Reddy, Mr.P.Tarun Sai

Total no of students: 52

Objective of the event: To get exposure to the power production and distribution process in Thermal Power Plant.

Outcome of event : Students acquired knowledge of power production and distribution process in coal based thermal power plant and observed the working of Water treatment plant, coal handling equipment's, coal crushers, Boilers, super heaters, Economisers, Condensers, Generators, Switch yard, ash handing equipment's Cooling tower etc.

Description / Report on Event:

The III B.Tech I Semester B Section Students of Mechanical Engineering accompanied with Two Faculty members visited Dr.NTTPS,Ibrahimpatnam dated 13.09.2019. The main objective of the visit is to bridge the gap between industry and academia. This power plant is one of the coal-based power plants of APGENCO. It is well placed between Ibrahimpatnam and Kondapalli village. Visit contains two sessions morning session Power plant over view class from 11.15 to 1.30pm and afternoon session Plant visit 2.30pm to 5.30pm.

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Dr.NTTPS, Ibrahimpatnam consists of total IV stages and each stage consist two units except Stage IV. Each unit consist of one boiler, turbine and generator and power generation capacity of each unit is 210MW, Stage IV 540MW, Stage V under construction stage.

Feedback / Suggestions: The students felt very happy and they expressed that they have learnt a lot about the power production process from coal based Thermal power plant and observed the process of different thermal devices Boilers, condensers, cooling towers and Hot wells etc.

Photographs: The following are the photographs of Industrial Visit of V Semester - B Section Students to Dr.NTTPS, Ibrahimpatnam.:



Group photo in front of Cooling Tower



Group photo in front of Dr.NTTPS, Ibrahimpatnam

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REPORT ON EVENT “INDUSTRIAL VISIT TO “Dr.NARLA TATA RAO THERMAL POWER STATION, Ibrahimpatnam”

Event Type : Industrial Visit of B.Tech-V Semester C-Section Students

Date / Duration : 12.09.2019 for one day (11.00 A.M to 5.30 PM)

Name of Industry : Dr.NTTPS, Ibrahimpatnam.

Faculty Accompanied: Mr.S.Rami Reddy, Mr.Naresh Kumar

Total no of students: 54

Objective of the event: To get exposure to the power production and distribution process in Thermal Power Plant.

Outcome of event : Students acquired knowledge of power production and distribution process in coal based thermal power plant and observed the working of Water treatment plant, coal handling equipment's, coal crushers, Boilers, super heaters, Economisers, Condensers, Generators, Switch yard, ash handing equipment's Cooling tower etc.

Description / Report on Event:

The III B.Tech I Semester C Section Students of Mechanical Engineering accompanied with Two Faculty members visited Dr.NTTPS,Ibrahimpatnam dated 12.09.2019. The main objective of the visit is to bridge the gap between industry and academia. This power plant is one of the coal-based power plants of APGENCO. It is well placed between Ibrahimpatnam and Kondapalli village. Visit contains two sessions morning session Power plant over view class from 11.15 to 1.30pm and afternoon session Plant visit 2.30pm to 5.30pm.

After arriving the training Institute of APGENCO, Ibrahimpatnam P.Sunitha D.A.E explained about the power plant overview by power point presentation from 11.15 to 1.00pm. In the presentation instructor explained about the Dr.NTTPS introduction and the working of boilers, Steam Turbine, Economiser, coal handling equipment then followed by launch break 1.00pm to 2.pm.

Afternoon session plant visit, Students and faculty moved from Training Institute to plant, where APGENCO training institute Chief Engineer allotted four guides. The guides were explained about the Dr.NTTPS introduction & Safety precautions. Under the guides supervision the students first visited the Coal bunkers where the coal unloaded from wagons into the belt conveyors, next visited water treatment plant, Boilers working, Economisers, cooling tower and power distribution room, switch yard etc.

Dr.NTTPS, Ibrahimpatnam consists of total IV stages and each stage consist two units except Stage IV. Each unit consist of one boiler, turbine and generator and power generation capacity of each unit is 210MW, Stage IV 540MW, Stage V under construction stage.

Feedback / Suggestions: The students felt very happy and they expressed that they have learnt a lot about the power production process from coal based Thermal power plant and observed the process of different thermal devices Boilers, condensers, cooling towers and Hot wells etc.

Photographs: The following are the photographs of Industrial Visit of V Semester - C Section Students to Dr.NTTPS, Ibrahimpatnam.:



Group photo in front of Cooling Tower



Group photo in front of Dr.NTTPS, Ibrahimpatnam

Coordinator

HoD