



॥ ज्ञाने जगन्मन् मुक्ती ॥

Dwarka Bahuuddeshiya Gramin Vikas Foundation's

**Rajarshi Shahu College of Engineering, Buldana**

Approved By AICTE New Delhi, NAAC Accredited, Affiliated to Sant Gadge Baba Amravati University



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Sagwan Road, Buldhana 443001 (M.S.)



# Industrial visit



A Report on

Industrial Visit to

*Thermal Power Plant*

*Deepnagar (Bhusawal)*

*Dated on 10<sup>th</sup> April 2026*

*Academic Year (2025-26)*



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Academic Year: 2025-26

Date: -16/04/2026

## Summary Report - Industrial Visit

### Thermal Power Plant – Deepnagar (Bhusawal)

**Name of Industry:** Thermal Power Plant, Deepnagar, tq. Bhusawal, Dist. Jalgaon.

**Total number of students present:**

41 Students (20 students each in Two Batches) and Three Staff Members.

**Co-founder:** MAHAGENCO.

**Faculty Name:** 1) Mr. Atul Barhate – Junior Engineer (Batch -A)

2) Mr. Anant Sonwane – Assistant Engineer (Batch-B)

**Date of Visit:** 10/04/2026

#### Overview:

##### Purpose of the industry visit:

Main aim of industrial visit is to provide an exposure to students about practical working environment. They also provide students a good opportunity to gain full awareness about industrial practices. Through industrial visit students get awareness about new technologies while studying in college before, theoretical classes are so boring; to balance the situation and keep it more interesting practical knowledge has been introduced. Nowadays practical and other curricular activities are included in the part of the syllabus so that students can study more diligently. Similarly, an Industrial visit is a type of practical knowledge that introduces us to the working world. Before proceeding, we need to know what the industrial visit is.

#### Introduction:

Industrial visits are arranged by Rajarshi Sahahu college of engineering, dist., Buldhana, Maharashtra state for the electrical engineering students to provide an opportunity to explore







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different sectors in which the students are passionate about it, Manufacturing, services, finance, and marketing. Industrial visit helps to mix theoretical knowledge with practical knowledge in a good way. Hence, Industrial realities are opened to the students through industrial visits. This visit aimed to provide students with firsthand experience of the firsthand of a large-scale power generation facility and its operations in the energy sector. The students from diverse disciplines were keen to learn about power generation technologies, environmental practices, and the company's contributions to sustainable energy.

### Participants:

This visit was organized by the department of electrical engineering, at thermal power plant, deepnagar located in tq. Bhusawal, dist. Jalgaon. Total 41 numbers of students 26 from second year, 5 from third year and 10 from final year and 3 faculty members were actively participated in this study tour. Faculty members Prof. R.B. Mole (Head of the EE department), Prof. P.W. Rasal (Assistant Professor) and Mr.U.N. Purane (Lab Assistant) are accompanied to visit.

### Industrial Visit Schedule:

A total strength of 44 including 41 students along with 03 faculty members of Electrical Engineering Department on dated -10/09/2026. All the students approached at their respective location allotted by visit in-charge Prof.P.W. Rasal by 6:00 am and started the journey by 6:30 am. The visit commenced with a traditional coconut breaking ceremony at the auspicious hands of Respected Prof. B. V. Narwade. After overall communication we reached Thermal Power Plant Deepnagar, tq.Bhusawal, dist. Jalgaon by 8.30 am. Before starting the visit, there was a breakfast from 8.30 am to 9.30 am. The Schedule of visit was divided in two batches. Both batches started from 9.30 am to 1.30 pm in which they give presentation on the company's history, mission, and vision and overview of its power generation capacity and infrastructure. Total students got divided into two batches A and B. First batch consists of 21 students along with two staff members Prof.R.B.Mole and Mr. U.N.Purane. Mr. Atul Barhate – Junior Engineer was guided to batch A. This session has continued up to 1.30 pm. They have delivered lots of practical knowledge regarding plant equipment and overall process. Second Batch consists of 20 students along with one staff member Prof. P.W. Rasal and two Assistant engineer, Mr. Kishor Waghmare and Mr. Anant Sonawane. This batch also continued up to 1.30 pm. They offered Explanation of





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the power generation cycle (coal handling, combustion, steam generation, electricity generation), Plant Visit, guided tour of the thermal power plant, including the control room, turbine section, boiler, section, etc. After completing the session, all students along with three staff members should take rest for one hour for refreshment. At 2.30 pm, we leaved the BTPS location with the permission of security guard.

### Basic Information about BTPS:

The Bhusawal Thermal Power Station is situated 8 km away from Bhusawal city in Maharashtra's Jalgaon district. It's located in Deepnagar, which means City of Lights. This power plant runs on coal and is managed by Mahagenco. It consists of total 6 unit. The students visited to two units of 500 MW. 660 MW is the latest power plant. The total power plant capacity is 1475 MW and active capacity is 1210MW. MAHAGENCO has the highest overall generation capacity and the highest thermal installed capacity amongst all the State Power Generation Utilities in India. In terms of installed capacity, it is the second highest generation company after NTPC.

Table : Thermal Power Plants Unit Details

| Stage     | Unit Number | Installed Capacity (MW) | Date of Commissioning | Status  |
|-----------|-------------|-------------------------|-----------------------|---------|
| Stage I   | 1           | 62.5                    | 1968 July             | Closed  |
| Stage II  | 2           | 210                     | 1979 August           | Retired |
| Stage II  | 3           | 210                     | 1982 September        | Running |
| Stage III | 4           | 500                     | 2012 November         | Running |
| Stage III | 5           | 500                     | 2014 January          | Running |
| Stage IV  | 6           | 660                     | February 2025         | Running |

### Conclusion:

The industrial visit to Thermal Power Plant, Deepnagar (BTPS) was a valuable learning experience for the students of Department of Electrical Engineering, Rajarshi Shahu College of engineering, Buldhana. It provided them with a practical understanding of Power Generation, Industry Practices, Environmental Management, and Safety Protocols. The visit also opened avenues for future exploration in the field of energy, making the students more aware of the modern industrial practices that contribute to national development. This practical knowledge will be helpful to students for enhancing their interest in the subject and developing the employment and scientific approach for their future carrier.





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### Photo Collection:



Starting Journey from college home town location



Felicitation ceremony at BTPS, Deepnagar





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Students along with Staff members at BTPS Entrance



Mr. Mahesh Honmane Sir giving Instructions and safety precautions during the visit





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Mr. Atul Barhate Sir while guiding to the students (Batch A)



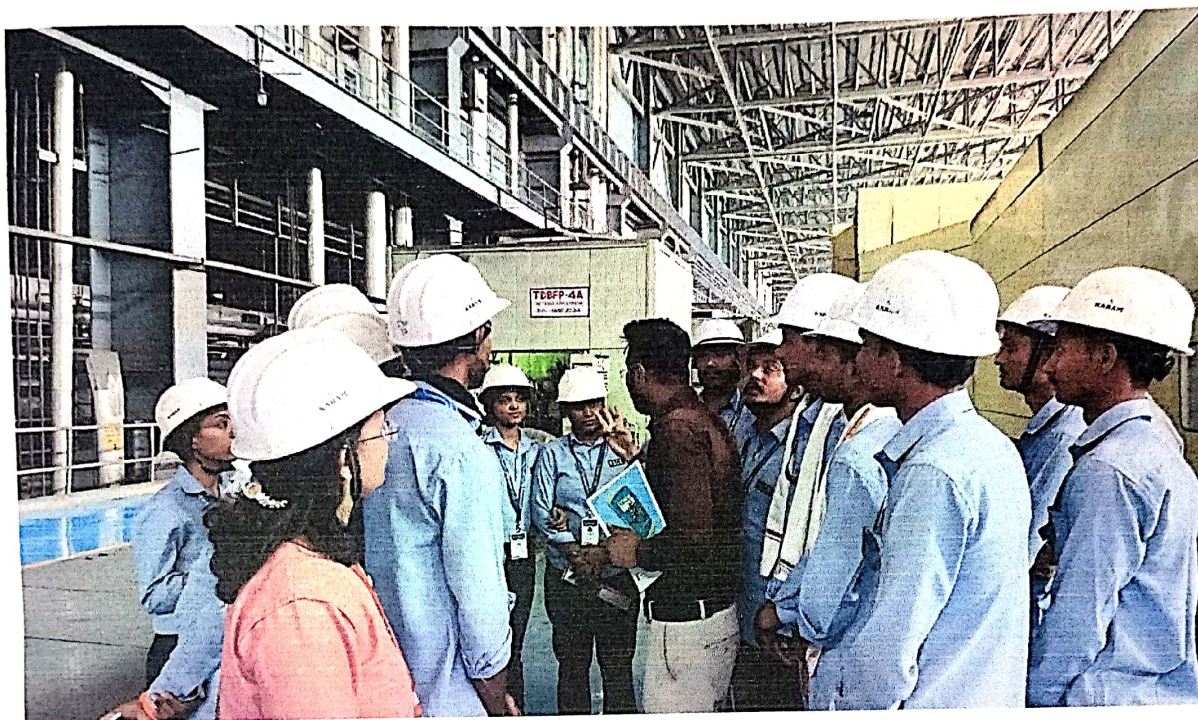


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Mr. Anant Sonawane Sir while guiding to the students (Batch B)





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At the entrance of Plant Control Room (2\*500 MW Unit)





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In the Campus of BTPS with Mr. Kishor Waghmare (Assistant Engineer)



Staff Members at sub-training center BTPS, Bhusawal.

Industry Visit In-charge

Prof. P. H. Rase

HOD

Department of Electrical Engineering  
Rajarshi Shahu College of Engineering  
Buldana.

Principal



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# अभियांत्रिकी महाविद्यालयातील विद्यार्थ्यांची शैक्षणिक भेट



लोकशाही वार्ता/ बुलडाणा  
राजर्षी शाहू अभियांत्रिकी  
महाविद्यालय, बुलडाणा येथील  
विद्युत अभियांत्रिकी शाखेतील  
विद्यार्थ्यांनी भुसावळ औष्णिक  
विद्युत निर्मिती प्रकल्प, दीपनगर  
येथे शैक्षणिक भेट दिली. १०  
एप्रिल रोजी ही भेट बुलडाणा  
येथून भुसावळकडे प्रस्थान  
करून पार पडली असून एकूण  
४० विद्यार्थ्यांनी यात सहभाग  
नोंदविला.

द्वारका बहुउद्देशीय ग्रामीण  
विकास फाऊंडेशनचे अध्यक्ष  
धृपदराव सावळे, प्रबंधक कीर्ती  
पन्हाड (सावळे), प्राचार्य डॉ.  
जे. पी. कावरे, तंत्रनिकेतन  
विभागाचे प्राचार्य डॉ. पी. एस.  
राणे, अभियांत्रिकी विभाग प्रमुख  
प्रा. वी. व्ही. नरवाडे, विशाल  
शिंदे (कार्यालयीन अधीक्षक)  
तसेच इलेक्ट्रिकल विभाग प्रमुख  
प्रा. रामेश्वर मोळे यांच्या  
मार्गदर्शनाखाली ही भेट  
आयोजित करण्यात आली.

या प्रसंगी विद्यार्थ्यांना  
कोळशावर आधारित वीज  
निर्मिती प्रक्रियेची प्रत्यक्ष माहिती  
देण्यात आली. तसेच पर्यावरणीय  
उपाययोजना, सुरक्षा प्रणाली व  
औद्योगिक कार्यपद्धती याबाबत

सविस्तर मार्गदर्शन करण्यात  
आले.

उद्योगातील तज्ज्ञ मार्गदर्शक  
महेश होनमाने (सहाय्यक  
अभियंता), लक्ष्मण शिळगे  
(कार्यकारी अभियंता), किशोर  
वाघमारे (सहाय्यक अभियंता),  
अतुल बऱ्हाटे (कनिष्ठ  
अभियंता) व अनंत सोनवणे  
(सहाय्यक अभियंता) यांनी  
विद्यार्थ्यांना प्रत्यक्ष यंत्रसामग्रीचे  
प्रात्यक्षिक दाखवत सखोल  
माहिती दिली.

या औद्योगिक भेटीमुळे  
विद्यार्थ्यांना वीज निर्मिती प्रक्रिया,  
तांत्रिक ज्ञान व औद्योगिक  
अनुभव मिळण्यास मोठी मदत  
झाली.

कार्यक्रमाच्या यशस्वितेसाठी  
प्रा. प्रियंका रसाळ यांनी विशेष  
परिश्रम घेतले असून, प्रा.  
रामेश्वर मोळे यांच्या  
मार्गदर्शनाखाली ही क्षेत्र भेट  
व्यवस्थित पार पडली. तसेच  
शिक्षकेत्तर कर्मचारी यू. व्ही.  
पुराणे यांचेही सहकार्य लाभले.  
या यशस्वी औद्योगिक भेटी बद्दल  
संस्थेचे अध्यक्ष, संस्थेच्या  
प्रबंधक, प्राचार्य, शिक्षक,  
शिक्षकेत्तर कर्मचारी यांनी विशेष  
कौतुक केले.





Academic Year: 2025-26

Department of Electrical Engineering

## Industrial Visit - Students Attendance

~~Power soft industry~~ Bhusawal Thermal Power plant - Neerhagar

| Sr.No | Class       | Name of Students             | Students In time Sign | Students Out time Sign |
|-------|-------------|------------------------------|-----------------------|------------------------|
| 1.    | Second Year | Ajay Narendra Suradkar       | Ajay Suradkar         | Ajay Suradkar          |
| 2.    |             | Dhiraj Abhimanyu Sangle      | D.A. Sangle           | D.A. Sangle            |
| 3.    |             | Dipak Krushna Dhasal         | Dipak                 | Dipak                  |
| 4.    |             | Dnyaneshwar Bhagwan Ghodke   | Dnyaneshwar           | Dnyaneshwar            |
| 5.    |             | Kunal Umakant Ingle          | Kunal Ingle           | Kunal Ingle            |
| 6.    |             | Nitin Baban Govardhane       | Nitin                 | Nitin                  |
| 7.    |             | Om Santosh Garmode           | Om                    | Om                     |
| 8.    |             | Pranav Pradip Dukre          | Pranav                | Pranav                 |
| 9.    |             | Prasad Subhash Sonawane      | Prasad                | Prasad                 |
| 10.   |             | Pratik Bhagatsing Chavhan    | Pratik                | Pratik                 |
| 11.   |             | Ritesh Gajanan Lad           | Ritesh                | Ritesh                 |
| 12.   |             | Rushikesh Pandhari Susar     | Rushikesh             | Rushikesh              |
| 13.   |             | Sakshi Purushottam Mankar    | Sakshi                | Sakshi                 |
| 14.   |             | Sanjana Gunvantrao Dharme    | S.G. Dharme           | S.G. Dharme            |
| 15.   |             | Shivani Damodar Jadhao       | Shivani               | Shivani                |
| 16.   |             | Shruti Satish Shelke         | Shruti                | Shruti                 |
| 17.   |             | Shubham Ganesh Danve         | Shubham               | Shubham                |
| 18.   |             | Suraj Ashok Sonare           | Suraj                 | Suraj                  |
| 19.   |             | Suraj Santosh Khandare       | S.S. Khandare         | S.S. Khandare          |
| 20.   |             | Suraj Vijay Rathod           | S.R. Rathod           | S.R. Rathod            |
| 21.   |             | Swapnil Supada Dhoran        | S.S. Dhoran           | S.S. Dhoran            |
| 22.   |             | Swaraj Devidas Dotonde       | Swaraj                | Swaraj                 |
| 23.   |             | Vaibhavi Gajanan Ghenge      | Vaibhavi              | Vaibhavi               |
| 24.   |             | Vinay Subhash Bahekar        | Vinay                 | Vinay                  |
| 25.   |             | Vishal Pandit Khillare       | Vishal                | Vishal                 |
| 26.   |             | Vishal Pandurang Mhaske      | V.P. Mhaske           | V.P. Mhaske            |
| 27.   | Third Year  | Harshad Anil Devmane         | Harshad               | Harshad                |
| 28.   |             | Lalit Gajanan Kale           | Lalit                 | Lalit                  |
| 29.   |             | Nikita Shatrughan Misal      | Nikita                | Nikita                 |
| 30.   |             | Pranali Prakash Patil        | P.P. Patil            | P.P. Patil             |
| 31.   |             | Yogesh Gajanan Surushe       | Yogesh                | Yogesh                 |
| 32.   | Final Year  | Ashvin Pramod Gawai          | Ashvin                | Ashvin                 |
| 33.   |             | Gaurav Gajanan Kharate       | Gaurav                | Gaurav                 |
| 34.   |             | Nishant Rajesh Gawade        | Nishant               | Nishant                |
| 35.   |             | Om Gajanan Bambal            | Om                    | Om                     |
| 36.   |             | Roshan Shantaram Wankhade    | Roshan                | Roshan                 |
| 37.   |             | Roshan Vinayak Sawarkar      | Roshan                | Roshan                 |
| 38.   |             | Sayyed Sufyan Sayyed Kalim   | Sayyed                | Sayyed                 |
| 39.   |             | Shaikh Mohammad Arib Rafique | Shaikh                | Shaikh                 |
| 40.   |             | Shivam Rajesh Thakare        | Shivam                | Shivam                 |
| 41.   |             | Tulsidas Gajanan Kolse       | T.G. Kolse            | T.G. Kolse             |

Industrial Visit In-charge

*[Signature]*  
10/04/26

HOD

HOD

Department of Electrical Engineering  
 Rajarshi Shahu College of Engineering

