Report on Industrial Visit to Paithan Hydro Power Station, Jayakwadi Dam

Aim for Industrial Visit:

Industrial visit is considered as one of the tactical methods of teaching. The main reason behind this industrial visit was to let students know things practically through interaction, working methods and employment practices. Moreover, it gives exposure from academic point of view. 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.

Details of Industrial Visit are as below:

Name: Paithan Hydro Power Station, Jayakwadi Dam Address:- Jayakwadi Dam , Paithan, Auranagabad

Contact Person: Executive Engineer, 02431-224699 Date of Visit: 17th, 18th & 19th September 2018

Faculty Name: Prof. P.A.Narwade, Prof. S.G.Kotkar, Prof.K.S.Kadam

Description of the Visit:

An Industrial Visit to Paithan Hydro Power Station was organized for T.E. Mechanical engineering students. A hydroelectric power plant of 12 MW capacity is installed on the right bank of the river. With minor external modifications to the exiting reversible hydro turbine unit, most of the dead storage water can be put to use during the drought years by using the hydro power plant for pumping water into the nearby right canal. Water would be released downstream into the tail pond over the spillway. The water used for power generation is pumped back to the main reservoir from the tail pond using reversible hydro turbine. Vertical axis Francis Turbine is used to generate power. Through this industrial visit students got awareness about power plant.

Executive Engineer conducted a seminar session about 1 hour which cover the following details.

- 1) Concept of Vertical axis Francis Turbine
- 2) Concept of Generator
- 3) Capacity of Power plant

The students of T.E. Mechanical and staff members have enjoyed the technical session at the Power plant. The company person appreciated our students after the technical session.

Students were well mannered and disciplined throughout the visit and no injury or anything unpleasant thing happened during industrial visits.

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DR. VITHALRAO VIKHE PATIL COLLEGE OF ENGINEERING

Vadgaon Gupta, Vilad Ghat, Post. - M.I.D.C., Ahmednagar - 414 111 (M.S.) INDIA. Approved by A.I.C.T.E., New Delhi & Govt. of Maharashtra Affiliated to University of Pune (ID, No. Pu/AN/Engg./027/(1983)



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wast Board of Accordination (NBA). New Delta has accredited U.G. Courses in Civil, Machanical, Fire fromes & Felocommunication and Instrumentation & Control Engineering for redited by Notional Assessment and Accordination Council (NAAC), Banglore

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Date: 21/08/2018

The Executive Engineer,

buds Power Station, Jayakwadi Dam.

a ar (02131 224699)

I Mary pauhauhvalrosgmail.com

Sub.: Industrial visit of T.E. Mechanical students

Sir/Madam,

Dr. Vithalran Vikhe Patil College of Engineering was established in 1983 approved by AKTE New Delhi, Guyt, of Maharashtra and attiliated to University of Pune. The college provides 4 years Engineering degree course in five discusses no Civil, Mechanical, Electrical, Electronics & Felecomm, and Internation Technology, in which adustrial visit is a part of syllabus as per

We request you to grant permission for the power plant visit of 180 T.E. Mechanical Engg. students accompanied with 03 staff members. The visit may be scheduled for three days in three batches preferably on 17th, 18th and 19th Sept. 2018. It is assured that there will be no disturbance in your work schedule due to visit of our students. You are requested to grant permission on above dates for this visit.

our esoperation in this matter will be highly appreciated.

Thanking you,

(Dr Dday P. Naik) Principal

Ahmednagai

Dr. Vithalrao Vikhe Patil College of Engineering Ahmednagar



Prashant Narwade <narwadeprashant@gmail.com

Industrial Visit to Hydro Power Station

Addi Executive Engineer Paithan Hydro Power Station spathanhydro@gmail.com>
To: Prashant Narwade <narwadeprashant@gmail.com>

Thu, Aug 23, 2018 at 11:24 Pl

With reference to above subject the permission for the technical visit of the students of your college, permission shall be granted subject to following procedure/conditions.

1. Date of visit 17,18 & 19.09.2018 at 14:30 hrs. (keporting at 14:30 hrs sharply).

2. You are instructed to pay fees of the amount (No. of students x Rs. 100/- plus GST @18% on total amount) i.e. Rs. 118 per student. This fees should be paid to the following account No. of S8i branch at linter Dist Parbhani-

Account No. of Executive Engineer, MSPGCL, HPS, Yeldari.

Account No.62003512845 & IFSC code SBIN 0020019 through NEFT mode.

3. All the students should be strictly come in uniform with I-cards.

Students should deposit their bags/luggage/mobile at our security gate at their responsibility. will go
through our security checking/scrutiny.

5. Photography at Power station is strictly prohibited.

Faculty member/s should control the students & ensure that students should not touch to any controls & auxiliaries of Power Station as there is LIVE ELECTRIC SUPPLY.

7. The safety of all students is the only responsibility of the faculty members & they should Submit in writing on Rs. 100/- bond paper while coming to the visit.

If any of the above condition is not fulfilled before coming to visit, your permission for the visit stands cancelled. Note that only 60 students per day are permitted.

Quantitation n.

Addi. Freq. : . + Engineer, Perthan Hydro Power Station, (2431-22469)

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College of Engineering
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