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Dr. Vithalrao Vikhe Patil Foundation's

Dr. Vithalrao Vikhe Patil College of Engineering Ahmednagar



DTE College Code: EN-5161

Department of Mechanical Engineering

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

Objective of Industrial Visit:

The main objective behind this industrial visit was to know the procedure of power generation through Hydro Power. 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 the turbines.

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: 27th & 28th August 2019

Faculty Name: Prof.Dr.R.R. Navthar Prof. S.G.Kotkar, Prof.D.B.Thange

Outcome of Visit: Students learned the process of power generation from Hydro power plant.

HOD
Department of Mechanical Engg.

HOD & Principal
of Mechanical Engg.
Dr. V. V.P. College of Engg.
Ahmednagar-414111

Principal
Dr. Vithalrao Vikhe Patil college of Engg.

PRINCIPAL
Dr. Vithalrao Vikhe Patil
College of Engineering
Ahmednagar



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.

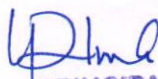
Executive Engineer conducted a seminar session about 1 hour which cover the following details.


- 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 visit.




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HOD of Mechanical Engineering
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Ahmednagar-414011

On Thu, Aug 22, 2019 at 11:29 AM Sandeep Kotkar <sundeepkot@gmail.com> wrote:
Ref. No. CEA/Mech/2019 Date: 22.08.2019

To,
The Executive Engineer

Paithan Hydropower Station,
Paithan, Aurangabad

Dear Sir,

We are from Dr. Vitthalrao Vikhe Patil College of Engineering, Ahmednagar. Our institute is affiliated to Savitribai Phule Pune University, Pune and hence as per the prescribed syllabus for the third year degree students for the subject Turbo Machine it is mandatory to conduct a visit to hydro power station to understand the various aspects of a hydro power plant Machinery.

Hence on behalf of the DVVP COE we urge you to kindly permit us to conduct the visit at your power station. We also promise to abide by your rules and maintain discipline at power station. It would be lenient on your part if the visit is conducted on the mentioned dates. Also we would like to request you to have one of your technical person to guide us through the station house.

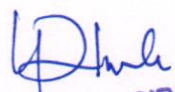
Expected Visit date - 27th and 31st August 2019
Total number of students expected - 60 per day (Total Student 120)
Total number of staff members - 04 per day


Thanks and regards,

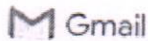
Yours sincerely

Prof Sandeep G Kotkar




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Dr. Vitthalrao Vikhe Patil
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Ahmednagar


HOD & Professor
of Mechanical Engineering
Dr. V. V. P. College of Engineering
Ahmednagar-414011



sanjay karangale <akshayjumborex@gmail.com>

Fwd: Sub: Permission to visit Palthan Hydropower Station

1 message

Mon, Aug 26, 2019 at 7:45 PM

Sandeep Kotkar <sundeepkot@gmail.com>
To: sanjay karangale <akshayjumborex@gmail.com>

----- Forwarded message -----

From: Sandeep Kotkar <sundeepkot@gmail.com>
Date: Fri 23 Aug, 2019, 1:34 PM
Subject: Fwd: Sub: Permission to visit Palthan Hydropower Station
To: ravi navthar <ravi_navthar@rediffmail.com>

----- Forwarded message -----

From: Addl Executive Engineer Palthan Hydro Power Station <palthanhydro@gmail.com>
Date: Fri 23 Aug, 2019, 1:25 PM
Subject: Re: Sub: Permission to visit Palthan Hydropower Station
To: Sandeep Kotkar <sundeepkot@gmail.com>

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 **27.08.2019 & 28.08.2019** at **12:00 hrs.** (Reporting at **12:00 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 SBI branch at Jintur, Dist Parbhani.
Account No. of Executive Engineer, MSPGCL, HPS, Yeldari.
Account No. 62003512845 & IFSC code SBIN 0020019 through NEFT mode.
 3. You are instructed to intimate the payment made so to the Addl. Executive Engineer, HPS, Palthan by mailing the receipt on the very same day. Also write the details of institute, no. of students, etc. The receipt of same is to be brought during the visit.
 4. All the students should be strictly come in uniform with I-cards.
 5. Students should deposit their bags/luggage/mobile at our security gate at their responsibility. & will go through our security checking/scrutiny.
 6. Photography at Power station is strictly prohibited.
 7. 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.
 8. 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

Addl. Executive Engineer,
Palthan Hydro Power Station,
02431 224699



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College of Engineering
Ahmednagar

HOD & Professor
Dept. of Mechanical Engg.
Dr. V. V. Patil College of Engineering
Ahmednagar-431009

Sr No	Roll No	Name of Student	Sign
1	1	VARUN R. ABHANGE	
2	2	MAHESH M. ADESI	
3	3	KARAN N. AGRAWAL	
4	5	DNYANESHWAR A. ANAR	
5	6	PRATAP B. AKHARE	
6	7	OMKAR A. AKHAR	
7	8	ABHISHEK S. BAIJE	
8	10	SAGAR R. BAIJR	
9	11	ANIKET P. BELHOKAR	
10	12	DEEPAK A. BHAGAT	
11	14	SUMIT P. BHAYSAR	
12	16	SAURABH K. BHISE	
13	18	SHUBHAM G. BHOR	
14	19	SATISH R. BHOSALE	
15	21	GAURAV M. BIDWAI	
16	23	SHUBHAM S. BORUDE	
17	24	VAIBHAV C. BURHADE	
18	28	ANURAG R. DESHMUKH	
19	30	PRANAV P. DHAMANE	
20	31	LAV T. DHANAD	
21	32	SANKET J. DHOLE	
22	33	PRATHAMESHN. DHONGADE	
23	34	VIKAS S. DHUS	
24	35	DIPAK M. DUSANG	
25	36	ABHIJIT R. GADDAM	
26	37	HARSHAL S. GAIKWAD	
27	40	HARSHWARDHAN Y. GARDE	
28	43	Hrushikesh S. GHILJE	
29	44	AJAY S. GOCHIDE	
30	45	VISHAL B. GOLTARKE	
31	46	SUDESH K. GORE	
32	48	HARSHAL A. HARKE	
33	49	PRASHANT P. HAVARGE	
34	50	SOHAIL K. HAWALDAR	
35	52	VAIBHAV R. JADHAV	
36	54	MAYUR P. JADHAV	

37	57	DIPAK B. JAWANE	
38	65	OMKAR R. KARANDE	
39	69	DURVESH B. KHATKE	
40	72	KSHITIJ D. KSHIRSAGAR	
41	73	SHIVAM C. LANDAGE	
42	74	OMKAR A. LANDGE	
43	75	RUSHIKESH M. LOKHANDE	
44	78	ANIKET R. MAHAJAN	
45	82	BALAJI V. MUPPARAM	
46	84	VAIBHAV D. NARSALE	
47	85	SANGHARSHKUMAR R.	
48	86	BANDU D. PALVE	
49	89	SAHIL A. PATHAN	
50	92	SWAPNIL K. PATIL	
51	93	PRAFULL N. PATOLE	
52	94	MAYUR B. PAWAR	
53	95	SURAJ V. PAWAR	
54	96	TUSHAR B. PHATANGARE	
55	100	RUSHIKESH G. PUND	

58 61 Kalamkar Mahesh
Dilip.

St - Anmol Shinde



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