

MARATHWADA MITRA MANDAL'S
INSTITUTE OF TECHNOLOGY, LOHEGAON, PUNE

Ref No: MMIT/Civil/ Industrial Visit / 2022-23/005

Date: 23/08/2022

NOTICE

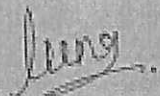
All BE students are hereby to inform that Industrial Visit to **Dhom Dam at Pachgani** is arranged for your knowledge enhancement on 27th August 2022. So you have to attend and take the benefits of this opportunity.

Note:

1. Buses will starts the journey from 8:00 am on 27th August 2022.
2. Undertaking Form & Identity Card is mandatory to interested students.



Mr. M. P. Pawar
Co-ordinator



Ms. L. A. Deshmukh
HOD

MARATHWADA MITRA MANDAL'S
INSTITUTE OF TECHNOLOGY, LOHEGAON, PUNE

CIVIL ENGINEERING DEPARTMENT



INDUSTRIAL VISIT REPORT

OF

“INTEGRATED WATER RESOURCE PLANNING &
MANAGEMENT” AT DHOM DAM - WAI



About the Dhom Dam:

Name: Dhom Dam

Location: Wai, Maharashtra.

Opening Date: 1977

Owner: Government of Maharashtra.

Type of Dam: Earthfill Gravity Dam

Impounds: Krishna River

Height: 50m (160 ft.)

Length: 2478m (8130 ft.)

Dam Volume: 6335km³ (1520 cu.m.)

Total Capacity: 331100 km³ (79400 cu.m.)

Surface Area: 2498 km² (964 sq.m.)

The height of Dhom Dam above the lowest foundation is 50 meters (160 ft, see box) while the length is 2,478 m (8,130 ft). The volume of Dhom Dam is 6,335 km³ (1,520 cu mi). Gross storage capacity is 13.80 TMC or 382,270.00 km³ (91,711.45 cu mi).

Irrigation- The construction of the Dhom Dam started in 1976. It was created to supply of water for agriculture, for industries, and to supply drinking water for Wai, Panchgani-Mahabaleshwar and the surrounding villages on the bank of dam. The Dhom Dam also supplied water for agriculture for Wai, Koregaon, Satara, Javli and Khandala talukas. The catchment area dams the Krishna River and forms the Dhom Lake which is approximately 20 km (11 mi) in length. Completed in 1982, it is one of the largest civil engineering projects commissioned after Indian independence. The Dhom electricity project is run by the Maharashtra State Electricity Board and has a storage capacity of 14 T.M.C. Hydroelectricity- the Dhom Dam generates the electricity of 4 MG from the basement electricity house.

About the Industrial Visit:

The Department of Civil Engineering, MMIT, Lohegaon organized a one day industrial visit to Dhom Dam, Wai, Dist-Satara, Maharashtra on 27th August 2022 for final year students and faculty of Civil Engineering Department.

Total 35 students are benefited with the visit along with 5 faculty members of Civil Engineering Department.



Summary of Experience:

It was a good experience, which has provided exposure to final year students with practical things about the subject "Integrated Water Resource Planning and Management". The students are benefited in terms of technical details related with the subject i.e. downstream of dam, agricultural aspect of IWRPM, irrigation system and Water and Land Management Institute (WALMI)

The 35 students of final year Civil Engg. Dept. and all the 5 faculties have enjoyed the technical endeavor at this site a lot. Visit seems to be very informative in the sense of role of dams in flood control and power generation, its importance in IWRPM. This is so that when the monsoon rains come, there is space to store the excess rainwater and also so that water can be released in a regulated manner, thus preventing floods downstream when there is heavy inflow to the dams. Dams Gate actuating System is having very much importance in such control. Gate working and actuating systems are the things they could understand by this visit. Flood Plain Management, Flood risk mapping, Disaster Relief and Flood forecasting, Co-basins for flood management, effects of hydraulic structures on river surface profiles, sediment transport and many more things they could learned by this practical aspect.

Importance of assessment of river water quality, cost effective water quality monitoring for basins (Dam) and inter basin water transfer system, Scouring at downstream side of dam, Energy Dissipaters for controlling the scouring and erosion towards downstream side, such important parts of the dam they could understand by visualizing the things.

We left the premises with lot of knowledge related the subject of IWRPM. As students of Civil Engineering, we learned about the many concept of the subject like Foundation engineering, Engineering Geology, Geotechnical engineering with this visit.

And gives good learning experience. It was the unique example of 'EDUTAINMENT' i.e. Education and Entertainment.

Students were well mannered and disciplined throughout the journey and no injury or anything bad happened during the Industrial Visit.

Student's feedback about the visit was very excellent and they enjoyed a lot.

Prepared By

Mr. M. P. Pawar

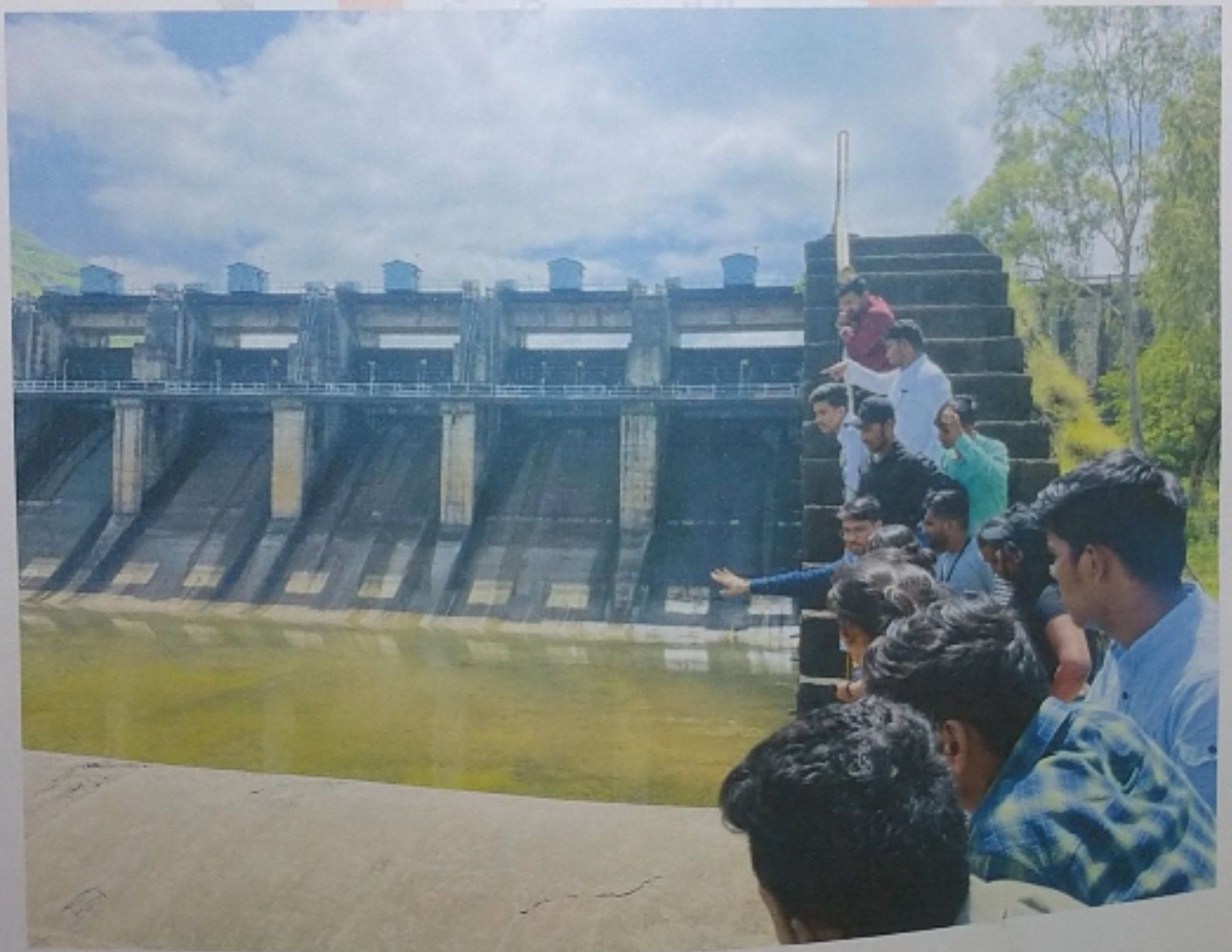
Asst. Professor, Civil Dept.

Mrs. L. A. Deshmukh

HOD









"Techno - Social Excellence"

Marathwada Mitramandal's Institute of Technology (MMIT)

Accredited with "A" Grade by NAAC

Survey No. 35, Vadgaon Shinde Road, Lohgaon, Pune - 411 047

Approved by AICTE, New Delhi, Recognised by DTE, M.S.Mumbai, Affiliated to Savitribai Phule Pune University

Email : principal@mmit.edu.in

Website : www.mmit.edu.in

Tel No. : +91 7447786623 / +91 7447786624

DTE Institute Code : 6203



MMIT/Admin/2021-22/ _____

Date: 19/08/2022

PERMISSION LETTER

From,

Principal,
MMIT,
Lohagon,Pune-
411 047.

To,

Director,
Dhom Dam. Pachgani
Pune-412 803.

Sub:- Regarding Permission for Industrial Visit at Dhom Dam. Pachgani, Maharashtra.

Respected Sir,

We have a great pleasure to introduce "Marathwada Mitra Mandal, Pune." At its various educational campuses, the trust has created excellent facilities for education catering to the needs of Engineering, Architecture, Interior Design, Management, Law, Commerce and Pharmacy. MMIT Pune is running the UG courses in the field of Civil, Mechanical, Mechatronics, Computer, AI&DS Engineering affiliated with Savitribai Phule Pune University, Pune

As per the syllabus of T.E. & B.E. Civil Engineering, It is mandatory for the college to plan a visit to the Dams and Hydraulics of civil Engineering Students to bridge the gap between industry and academics. This will help students to apply the knowledge which they have got during their theory sessions.

So in this regard, we seek your permission to allow us to visit your Dhom Dam. Pachgani Preferably on Saturday 27th August 2022.

Probable number of students visiting = 50
Staff attending= 08

We would like to hear a positive response from you.
Thanking you in anticipation.

Granted permission

[Signature]


[Signature]
Yours faithfully,
Dr. R. V. Bhortake
Principal,MMIT


MARATHWADA MITRA MANDAL'S
INSTITUTE OF TECHNOLOGY, LOHEGAON, PUNE

Date: 26/08/2022

GUIDELINES OF INDUSTRIAL VISIT

- 1) Students must be present at college entrance before 7.30 am (With Undertaking Form if not given before).
- 2) Buses will not going to take pauses for Breakfast, so all should be entered with having breakfast before.
- 3) All must be cooperative with teachers, if any unfair means occurred by students then it will treat as a punishable.
- 4) All should be with necessary safety precautions like shoes, raincoat, umbrella, Water Bottles, some packed foods.
- 5) All must be present with ID cards.
- 6) Buses will leave the college at sharp 8.00 am, no any excuses will be entertained.
- 7) Students can carry Lunch Box after Dam Visit, we will stop for 1 hour break.


26/08/2022
Mr. M. P. Pawar
Co-ordinator


Ms. L. A. Deshmukh
HOD



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Tel No. : +91 7447786623 / +91 7447786624

DTE Institute Code : 6203

Date: 19 /08/2022

To,

Transport Coordinator

MMIT, Lohgaon, Pune.

Sub:- Regarding to avail Buses for industrial visit on dated 27/08/2022.

I Prof..Madan P. Pawar in Civil Engineering Department want to inform you that we have arranged an Industrial visit for third-year & Final year civil engineering student on dated 27/08/2022(Saturday) for that we need two buses.

Details are as follows:

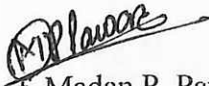
Departure Time: 8.30 A.M. (From MMIT College) Arrival Time: 7:00 PM (TO MMIT College)


Name of Site: Dhom Dam. Pachgani

Venue:- Dhom Dam. Pachgani, Maharashtra 412803

Thanking you,


Yours Faithfully,


Prof. Madan P. Pawar


Through:- Prof.L.A.Deshmukh
H.O.D Civil Engineering Department

INDUSTRIAL VISIT TO DHOM DAM, WAI
DEPARTMENT OF CIVIL ENGINEERING

S.No.	Students Name	Age	Mobile No.	Attendance M	Attendance E
1	Adilsha Isak Mujawar	25	7776826487	Adilsha	
2	Ingale shubham pandit	24	7028623453	Shubham	
3	Kiran Valvi	21	8888582206	Valvi	
4	Madhuri Ananda Sansare	22	7020290169	Madhuri	
5	naikwade aniket	21	9615163331	Aniket	
6	suraj baliram mane	22	9146475064	Suraj	
7	Tadvi Nikhil Saising	23	9420397470	Nikhil	
8	vishal kothikar	24	7972600705	Vishal	
9	Abhishek Ashok Mane	22	7721076709	Abhishek	
10	Harshad Sancheti	22	9767241034	Harshad	
11	Mansi Siddhasen Patil	21	7020263836	Mansi	
12	Tanmay Vilas Thorve	21	9156306305	Tanmay	
13	Deeptesh Ashok Patil	22	9970444562	Deeptesh	
14	Rohan Gaikwad	23	8149434473	Rohan	
15	sanket kakade	22	9370197253	Sanket	
16	Niteshkumar Wakhare	23	7350611624	Nitesh	
17	Rohit koli	22	7083831188	Rohit	
18	sourabh mohite	23	7758028713	Sourabh	
19	Ranjit narute	21	8855982993	Ranjit	
20	Sushant Shelar	22	9561063921	Sushant	
21	Rutuja kakade	21	7666758317	Rutuja	
22	Shital Kambale	21	9022269234	Shital	
23	Sukanya Gaikwad	20	9075580902	Sukanya	
24	Mhase Ashitosh	22	9561862926	Mhase	
25	Prajwal Behare	21	7775065282	Prajwal	
26	Kurhade Nilesch dagadu	21	8080429713	Nilesch	
27	Bambale Dinesh Sunil	20	8796863217	Bambale	
28	Srushti Ajit Birajdar	20	7447654715	Srushti	
29	Mrs. L.A. Deshmukhj	46	9850511121	L.A.	
30	Mr. M. P. pawar	32	9503719123	M.P.	
31	Ms. P. B. Kokate	30	9112173637	P.B.	
32	Ms. P. D. Shinde	30	9960699077	P.D.	
33	Mr. V.D. Sawant	30	7420073005	V.D.	
34	Mr. R. M. Raut	30	9960911247	R.M.	
35	Mr. S.S. Kar	30	9503613299	S.S.	
36	Ms. R, S. Fegade	30	9604879030	R.S.	
37	Mrs. M. D. Bhise	35	9545533883	M.D.	
38	Mrs. A. M. Pawar	26	9175270667	A.M.	
39	Mrs. S. R. Raut	26	9960911247	S.R.	
40	Mr. A. J. Walve	22	9325503141	A.J.	
41	Mrs. V. Nadkarni	50	9146867799	V. Nadkarni	
42	Mrs. A. Pal	38	8983937237	A. Pal	


Mr. M. P. Pawar
CO- Ordinator


Mrs. L. A. Deshmukh
HoD, Civil Dept