



**BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT**  
**An Autonomous Institute Under VTU**  
**Yelahanka, Bengaluru-560064**  
**DEPARTMENT OF CIVIL ENGINEERING**

**Industrial visit to Markonahalli Dam, Yedyur, Kunigal on 23<sup>rd</sup> Dec 2022 (Friday).**

Report:

An Industrial visit to “MARKONAHALI DAM”, Tumkur, Karnataka was organized by the department of Civil Engineering 23<sup>rd</sup> of December 2022. Thirteen students and two faculties visited the location. The dam visit was under the guidance of Assistant Engineer Srinivasa B S and dam maintenance in charge Manju.

The students observed the working of following

1. Syphon Spillway: One of the best spillways designed in 1938 by Sir M Visveswaraya. The syphon has inlet on the upstream at 88 ft and runs through the dam section to the downstream. The syphon has small intake pipes which suck in water when the water level rises above 88 ft.
2. Emergency sluice gate slider and 5 installed sluice gates (21 ft by 6ft) at dam bottom.
3. Water level indicator (MWL-91ft, marking 10inches=1ft)
4. 4 Baby syphons to divert water from reservoir.
5. Earthen dam section with concrete spillway section
6. Seepage at Rock toe and V-notch attached for discharge measurement

Other Observations:

1. The pumping components and gates are function till date with no leakage. (82 years)
2. The rubber seals at the bottom of the sluice gates are worn out and need replacement
3. Natural rocks act like a natural energy dissipater on downstream.
4. The roadway on downstream submerges when reservoir floods.
5. A proposal to construct an elevated road on downstream and an auxiliary spillway is in process funded by World Bank.

Details of the visit:

Sl no	Details	
1	Date of Visit	23/12/2022, Friday
2	Address	Markonahalli Dam, Yedyur, Kunigal (12.9354° N, 76.8819° E)
3	Office Address	Office address as follows. O/o Executive Engineer, Hemavathy Canal Division, Cauvery Neeravari Nigama Limited, Yedyur Division, Yedyur Hobli, Kunigal Taluk, Tumkur District-572142
4	Contact Person	Mr Srinivas Assistant Engineer (AE) Incharge of Markonahally dam, Hemavathy Canal Division, Yedyur, Kunigal Tumkur District.
5	Duration of visit	Leave campus by 8:30 AM, reach site at 10:00 AM. Departure by 1:00 PM, Reach College back by 3:00 PM
6	No of students in 7 <sup>th</sup> sem	13
7	Faculty coordinators	Mrs Archana K & Dr Rajesh Gopinath
8	Technical Staff	Mr Siddananjaiah

**VISION:** To be an Exemplary Centre, disseminating quality education and developing technically competent civil engineers with professional integrity for the betterment of society

**MISSION:**

- Impart technical proficiency through quality education
- Motivate entrepreneurship through enhanced industry -interaction and skill based training
- Inculcate human values through outreach activities



**BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT**  
**An Autonomous Institute Under VTU**  
**Yelahanka, Bengaluru-560064**  
**DEPARTMENT OF CIVIL ENGINEERING**



Sluice gates and Emergency sluice gates slider



Awarding Sir M V memento to AE Srinivas B S as a token of gratitude and group photo at site

Faculty In Charge

HoD,CV

**VISION:** To be an Exemplary Centre, disseminating quality education and developing technically competent civil engineers with professional integrity for the betterment of society

**MISSION:**

- Impart technical proficiency through quality education
- Motivate entrepreneurship through enhanced industry -interaction and skill based training
- Inculcate human values through outreach activities