



# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

## DEPARTMENT OF CIVIL ENGINEERING

### REPORT ON INDUSTRIAL VISIT TO

### PULICHINTALA PROJECT, VAZINEPALLY

Event Type: Industrial visit

Date / Duration: 20-04-2024

Name of Coordinators:

1. Sri J.Rangaiah , Associate Professor, LBRCE
2. Sri B.Narasimha Rao, Sr. Assistant Professor, LBRCE.

Target Audience:

1. 2nd year B.Tech Civil Engineering students of LBRCE

Total no of Participants: 46

Objective of the event:

1. To bridge the gap between theory and practice

Outcome of event:

1. Students should know the various components of Pulichintala dam.
2. Students should know the difference stages of Hydro-Electric Power House.

Feedback / Suggestions:

1. Positive. More programmes are required.

The 2<sup>nd</sup> year B.Tech civil engineering students underwent an industrial visit to The Pulichintala project, Vazinepally on 20-04-2024. The students visited the power house and dam. They observed the component parts of Pulichintala dam and power house.

## REPORT

Dr K.L.Rao Sagar Pulichintala Project is a balancing reservoir constructed across river Krishna near Pulichinta Village, Bellamkonda (M) in Guntur District (85.0 km upstream of Prakasam barrage and 115.0 km downstream of Nagarjuna Sagar Dam). It is multipurpose project serving irrigation needs, hydro power generation and flood control. It is a crucial irrigation facility for farmers of four coastal districts of West Godavari, Krishna, Guntur and Prakasam of Andhra Pradesh where irrigation facility for 13 lakh acres. The cost of the project has exceeded Rs.1850 crores.

Pulichintala Hydroelectric Project is erected in the Pulichintala Dam of Vazinepally Village in the Surapet District in Telangana. The total installed capacity of the hydroelectric power plant is 120 MWe. The type of project is Major and the current status is Operational. The name of the Dam where the project is implemented is Pulichintala Dam. The purpose of Dam is for hydroelectric power generation and Irrigation. The type of dam is Gravity and Masonry, which is operated by the Water Resources Department of State Government. The hydroelectric development type of plant is Storage. Here the source of water for the generation of electricity is from Krishna River and its basin is also Krishna River. The region where the power project is erected is South India. The east flowing rivers of South India is the hydroelectric basin of the project.

### Photograph:



Photos at Pulichintala Hydroelectric Project, Vazinepally