

## Report on Industrial Visit

The final year mechanical engineering students of K S SCHOOL AND ENGINEERING AND MANAGEMENT had visited Linganamakki Dam power house, shimoga, Karnataka as a part of our industrial visit on 29<sup>th</sup> November 2022. The linganamakki dam power house was a destination for complete learning about energy generation from water (hydro power).

### **LINGANAMAKKI DAM POWER HOUSE:**

Linganamakki is a 55 MW hydro power project, located on sharavathi river/basin in shimoga, karnaraka, India. The project is currently active. The project construction commenced in the year 1951 and subsequently entered into commercial operation in 1955. The project is currently owned by Karnataka Power.

The hydro reservoir capacity is 4,435 million cubic meter. The net head of the project is 29.5 m. The total number of penstocks, pipes or long channels that carry water down from the hydroelectric reservoir to the turbines inside the actual power station, are 2 in number. The penstock diameter is 4.9m. The project generated 250 GWh of electricity.

Ukrainian Energy Machines was selected as the turbine supplier for the hydro power project. The company provided 2 units of Kaplan turbines, each with 28.5 MW nameplate capacities. Power Machines supplied 2 electric generators for the project. The generator capacity is 30.5 MVA.



Figure: Photographs during Dam visit





Figure: Linganamakki power plant



Figure: Jog fall visit

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