



Kashmir Govt. Polytechnic College Srinagar

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Working under J&K Department of Skill Development.
(AICTE Approved Polytechnic College)

One day Industrial Visit of 4th and 6th Semester Electrical Engineering Students to Lower Jhelum Power Plant, Baramulla.

A group of enthusiastic Electrical Engineering students from this institution embarked on a one-day industrial visit to the Lower Jhelum Hydroelectric Power Plant in Baramulla. The visit, aimed at providing students with invaluable practical exposure to the workings of a large-scale power generation facility, was a resounding success.

The Lower Jhelum Power Plant, with its impressive 105 MW capacity, houses three generators, each contributing 35 MW to the regional power grid. The students, accompanied by Ms. Masrat Mehraj, Head of Department (HOD) of Electrical Engineering, along with other dedicated teaching and non-teaching staff, were given a comprehensive tour of the facility.

During the visit, students had the opportunity to observe the various stages of electricity generation, from the intake of water to the operation of the turbines and generators. Plant engineers and technical staff provided detailed explanations of the plant's operational mechanisms, safety protocols, and the critical role of electrical systems in power production and distribution. This direct interaction allowed students to bridge the gap between theoretical knowledge gained in classrooms and its real-world application.

Ms. Masrat Mehraj expressed her satisfaction with the visit, stating, "Such industrial visits are crucial for our students' holistic development. They provide a practical understanding of complex engineering concepts and inspire them to pursue careers in the power sector. We are grateful to the Lower Jhelum Power Plant management for their cooperation and for providing such an enriching experience." She also extended her gratitude to Principal Dr. Shafquat Ara for facilitating such valuable events.

The visit underscored the importance of practical learning and exposed the budding engineers to the challenges and innovations within the power generation industry. It is anticipated that this experience will significantly contribute to their academic and professional growth.







3X35MW LJHP

SALIENT FEATURES OF POWER HOUSE

WATER CONDUCTER	
Shape of Channel	Trapezoidal
Length of Channel	9-0 Km
Discharge Capacity	7700 Cusec
PENSTOCK	
Type	Circular Sheet Anchored
Diameter	4.5 Meteres/each
No of Penstocks	3no.
TURBINE	
Type	Francis Vertical Shaft
Output	35000 KW
Max Head	67 M
Rated Head	31 M
Speed	214.3 RPM
Make	BHEL
GENERATOR	
Capacity	39000 KVA
Speed	214.3 RPM
Stator	11000 V/2050 A
Rotation	Anticlockwise
Pf	0.9
Frequency	50 C/S
Make	BHEL
COMMISSIONING OF UNITS	
Unit 1st	1970
Unit 2nd	1979
Unit 3rd	1979
Generation Voltage	11 KV
Evacuation Voltage	132 KV
Design Energy	

JKSPDC - *Harnessing the Power of the Heavens*

