राष्ट्रीय विद्युत प्रशिक्षण प्रतिष्ठान

National Power Training Institute

Hydro Power Training Centre

An ISO 9001 & 14001 Organisation

(Ministry of Power, Govt. of India)

NANGAL, Distt- Ropar (Punjab) Pin 140124

The Institute Announces

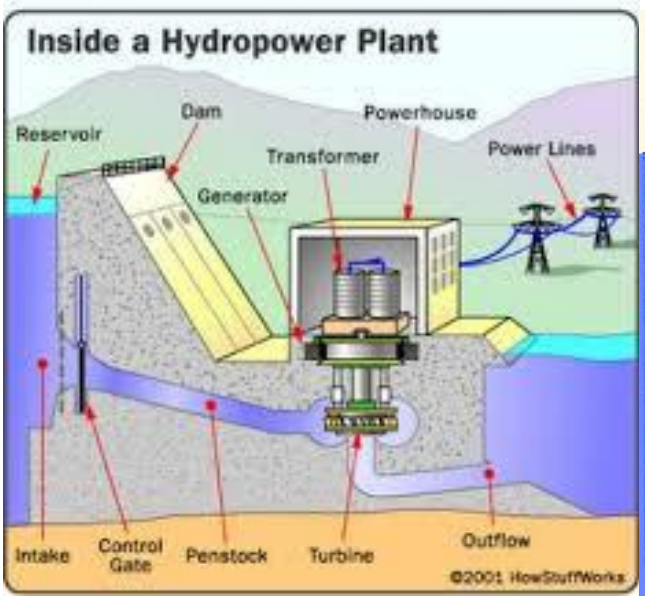
On Line Training Program,

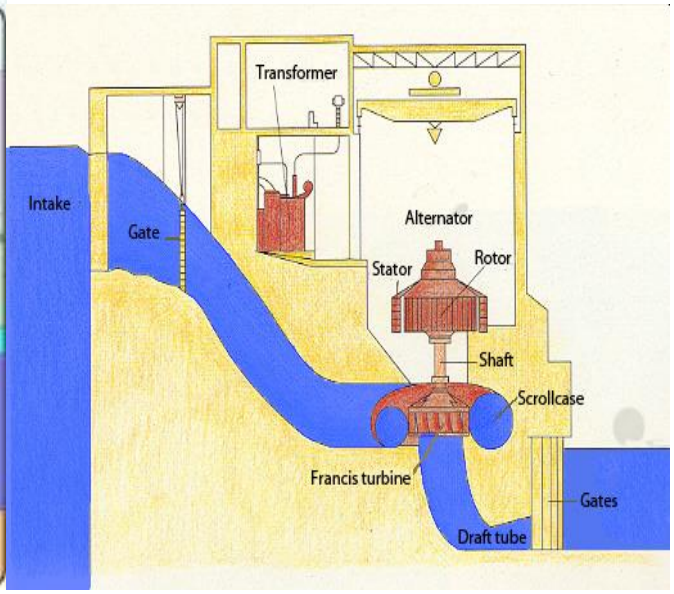
On

Hydro Power Generation Technology

Duration - (2 Weeks)

(7th September2020 to 18th September 2020-last date for application is 5th September 2020)





WHO MAY ATTEND?

Engineering/Diploma Students only (Pursuing) in Mechanical, Electrical, Civil, Power Engg.and Electronics Engineering.

COURSE FEE

Course Fee: (Non-refundable)		
Slots	**Duration**	**Fee (Rs.)**
	2 weeks	**1580**
Fee In (Rs.) per participant for Indian National inclusive with GST		

Bank Details:

Name of Beneficiary	**HPTC,NPTI, Nangal**
Name of Bank	**SBI, NayaNangal**
Account No	**30476401576**
IFSC	**SBIN0000689**

Apply online, through this link:

https://forms.gle/pFRbmrDuqSzKpHnN8

After successful completion of training "CERTIFICATE" will be awarded to students

If any query please contact: -

Sh. Sanjay Kumar, Deputy Director

Email: sanjayg.npti@gov.in

hptc_npti@rediffmail.com

Mob No: +9233350873

Website: http://npti.gov.in/npti_nangal

THE COURSE CONTENTS

Hydro Power Generation Technology:
7th September2020 to 18th September 2020)

- Indian Power System an overview
- Word power scenario hydro Power Potential available in India. Need for hydro power Energy and its power Estimation.
- Classification & Hydropower plant ,
- Site selection of Hydroelectric power plant, selections and calculation of power potential of the site, choice and Size of generation unit
- Plant-Layout of a typical hydro electro power plant.
- Hydraulic system-reservoir/storage /Spillways, Dam.
- Classification & working principles of turbine constructional detail& design aspects of Pelton turbine / Kaplan/Francis turbine & their efficiency calculation.
- Working principle of hydro generator& their application
- TurbineGoverning systems.
- Auxiliaries used in hydro power station
- Constructional details& working principle of alternator.
- Dc/AC power supply for auxiliaries, arrangement of unit aux. ,station battery /charging method