



Engineering Staff College of India
Autonomous Organ of The Institution of Engineers (India)
Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. TS, India

WATER RESOURCES DEVELOPMENT DIVISION

Continuing Professional Development Programme on
**Planning, Design and Implementation of
Hydel Power Projects**
25 – 29 November, 2019



(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

INTRODUCTION

Hydro power plays a vital role in National Strategies for delivering affordable and clean electricity, Managing fresh water, Combating climate change and improving livelihoods. Hydro electric energy has been in recent times placed as an important future source of renewable and clean energy. It stores large amounts of electricity at low cost and it can be adjusted to meet consumer demand. This noble vision however is becoming more challenging due to rapid urbanization development and increasing human activities surrounding the catchment area. Hydro Power is our richest renewable and environmentally benign source of energy. Hydro power stations have the unique capabilities to manage the load variations which helps in improving the reliability of the power system as they have the inherent ability for instantaneous starting and stopping.

The hydro power so far developed in our country is only 44,653 mw as against the ultimate hydro power installing potential of 1,48,700 MW. Earlier, hydro power development was the activity of only Government (Central or State). Presently Private sector players are also coming forward in sharing the responsibility of hydro power development along with central and state governments in view of the liberal provisions of the new hydro power policy.

Every effort is required to be made for creating the balance hydel power potential to meet the fast growing needs of our country.

Central/State Governments should extend all necessarily help in signing of PPA for private hydro power projects. Hence, the Govt. needs to effectively intervene to evoke the investors' confidence in the sector.

OBJECTIVE

The proposed training programme aims at updating the knowledge and upgrading the skills of the serving engineers of both public & private sectors involved in the Hydro Power Sector Development.

COVERAGE

The programme is designed to cover broadly the following areas :

- ❖ Overview of Hydel Power in India
- ❖ Planning and Formulation of Hydel Power Projects
- ❖ Water Power Studies – Estimation of Power Potential and Techno-economic Viability
- ❖ Design aspects of Civil Structures for Hydel Power Projects
- ❖ Design aspects of Electro – Mechanical Equipment – Procurement, Installation and Commissioning
- ❖ Finance Management and Tariff Fixation
- ❖ Issues related to power sale options
- ❖ Operation and Maintenance of Hydel Power Systems
- ❖ Reliability aspects of Power Systems

❖ Field Visit

METHODOLOGY

Methodology includes class room lectures with audio visuals, interactive sessions through group discussions, case studies etc. Emphasis would be laid on sharing of experiences of participants. Active participation is solicited from participants. Medium of training is English.

TARGET PARTICIPANTS

The programme is meant for **Planners, Engineers, Managers and Executives at Middle and Senior level from Govt./Public Sector / Private Organizations and other allied departments involved and interested in Planning, Formulation and Implementation of Hydro Power Development.**

PROGRAMME VENUE, DATES & TIMINGS

VENUE :

Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad - 500032, T.S, India.

DATES

25 – 29 November, 2019

TIMINGS

On the first day, registration will commence at 0900 Hrs. On all other days the programme timings will be from 0945 to 1715 hrs with breaks in between for tea and lunch.

COURSE DIRECTOR

G. Naresh, M.Tech,(Ph.D),MIE
Jr. Faculty
WRD Division

ADVISER

M. Rama Mohan, B.Tech, FIE
(Former Chief Engineer
RWS&S Dept., Andhra Pradesh)
Adviser, WRD Division

COURSE FEE

Residential Fee is Rs.25,000/- per participant. Residential fee includes course material, course kit, and twin-sharing / single AC accommodation as per availability, Breakfast, Lunch, Dinner, Tea / Coffee and Snacks.

DISCOUNTS

Non-Residential Fee: 10% discount on course fee is allowed for non-residential participants.

Group Discount: Additional 10% discount for three or more participants if sponsored by the same organization.

(All discounts are applicable only if fee is received at ESCI before the commencement of the programme)

GST @18% as applicable is to be paid extra over and above the training fee. **PAN Card No** AAATT3439Q; **GSTIN** 36AAATT3439Q1ZV under commercial training or coaching services.

Programme fee is to be paid in favour of “**IE(I)-Engineering Staff College of India**” in the form of demand draft payable at Hyderabad.

Alternatively the payment may be made by **Electronic Fund Transfer (EFT)** to ESCI - SB A/c No. 10007111201 with The SBI, PBB, Rajbhavan Road Branch, Khairatabad, Hyderabad-500004 by **NEFT/RTGS/ IFSC Code No.** SBIN 0004159 – MICR No.500002075. **While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.**

REGISTRATION

Online registration shall be available on ESCI website. To register, manually please send your nominations giving details of name, designation, contact address, email address, mobiles no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to:

Head

Water Resources Development Division
Engineering Staff College of India
Gachi Bowli, Hyderabad – 500 032
Phone: 040 – 66304117 – 9 (Dir.) 23000465 (EPABX): Extn: 4117– 9
Fax: 040 - 23000336
E-Mail : wrd@escihyd.org
Url : www.escihyd.org

CERTIFICATE: A certificate of participation will be awarded to each participant on conclusion of the programme.

GENERAL INSTRUCTIONS

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of the outstation participants ESCI will facilitate pickup and drop from Airport / Railway Station/ Bus stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participants directly to the cab.
- ESCI provides complimentary accommodation to participants a day prior to the commencement and after the conclusion of the programme. (Check in at 12:00Hrs) one day after conclusion (Check out at 12:00 hrs) of the programme duration.
- Overstay charges of @ Rs.990/- per day, per head will be charged.
- Well developed Information Centre and internet facilities are available to the participants.