



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



Hydraulic Gates and Hoists – Design, Erection and Operation and Maintenance
27 – 30 November, 2017



(An ISO 9001:2008 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

INTRODUCTION

To derive the maximum benefit from any Water Resources Project, regulated releases of Water from the reservoir and optimum utilization of such water are of utmost importance. Hydraulic Gates and handling equipments like hoists form the vital components for controlling the discharges through the dam, canals, tunnels, penstocks and outlets.

The most important aspects related to the selection of suitable type of gates and their hoisting mechanism based upon the purpose and location include their design and drawings, manufacture & fabrication, testing in factory / field workshop, Transportation to the site of Installation, Erection at the site in a defined sequence and field testing (no-load and full load, or dry and wet testing). Besides, the operation of the gates as per the system requirements and scheduled maintenance as per supplier's recommendations also form critical steps. For systematic O&M, it is also essential to have a Comprehensive Manual. The O&M staff should not only be conversant with the contents of the Manual, but should also be trained suitably for the job so as to ensure safe operation and effective maintenance of the gates and hoists, in accordance with the requirements and situation.

OBJECTIVE

The proposed four day training programme aims to update the knowledge and upgrade the skills of the participants in the installation, operation and maintenance of hydraulic gates and hoists in a systematic manner.

COURSE COVERAGE

- Classification and criteria for selection of Hydraulic Gates and Handling Equipments.
- Design aspects of vertical lift and radial gates – Type designs and case studies including hoists
- Transportation and Field Testing
- Erection / Installation of Gates & Hoists: Safety Precautions and Quality Assurance
- Welding Procedures for Erection of gates and Field Painting
- Operation of Gates and Hoists : Procedures and Precautions
- Maintenance of Gates & Hoists : Schedules and Procedures for monthly, quarterly and annual maintenance
- Pre-monsoon and Post-monsoon Inspection and repairs
- 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 course is intended for officers from Govt. Organizations / Govt. Undertakings / Contracting Agencies involved in fabrication and erection, operation and maintenance of hydraulic gates and hoists at Junior and Middle level.

PROGRAMME VENUE, DATES & TIMINGS

VENUE :

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

DATES

27 – 30 November, 2017

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 (S)

G.D. Ojha, *B.E., M.Tech*
(Former Regional Director
Central Ground Water Board, MoWR Gol),
Head & Sr. Faculty, WRD Division

B. Leela Prasada Rao, *B.E., M.Tech*
Sr. Faculty
WRD Division

COURSE FEE

Residential Fee is Rs.20,000/- 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.