



भारत सरकार
Government of India
केन्द्रीय जल आयोग
CENTRAL WATER COMMISSION
प्रशिक्षण निदेशालय
Training Directorate

No. 5/57/2019-Trg/ 5880-5980

Dated 22 Aug, 2019

विषय: Training Programme Central Project Management Unit(CPMU) of DRIP-reg.

Central Project Management Unit (CPMU) of DRIP is organizing the following Training Programmes. It is requested that nominations if any, may be forwarded to this office with the approval of the Concerned Member/ Chief Engineer (HRM) in respect of HRM Unit/ Chief Engineer, NWA, CWC, Pune in respect of NWA Unit positively by the date indicated against each event. A copy of the Bio data with mobile number and e-mail-id of the nominated officer's may also be enclosed along with the nominations indicating the number of events so far attended by them.

Sl No.	Name of the Training Course	Venue & date	Last date of Receiving Nominations in Training Directorate
1.	Training Programme on "Seismic Design and safety Evaluation of Concrete Gravity Dams"	IITR Campus, Roorkee, Uttarakhand, 11-13 September 2019	29.08.2019
2.	Training Programme on " Water Quality Assessment, Reservoir Sedimentation & Risk Remedial Measures"	MNNIT Campus, Allahabad, Uttar Pradesh 25-29 September 2019	05.09.2019
3.	Training Programme on "Geotechnical Aspects Related to Dam Safety"	MNAIT Campus ,Bhopal, Madhya Pradesh 30 September -1 October,2019	06.09.2019

It is for information that nominations received after the stipulated date will not be considered and also nominations once approved by Chairman, CWC, will not be allowed to be withdrawn.

ई. वेंकटेश्वरलु
(ई वेंकटेश्वरलु) 22/8

उप-निदेशक(प्रशिक्षण)

1. PPS to Chairman, CWC, New Delhi.
2. PPS to Member D&R/RM/WP&P, CWC, New Delhi.
3. All Chief Engineers, Central Water Commission.
4. Director, D&RC, RMCD, WP&PC CWC, New Delhi.
5. Secretary/ Director (TC), CWC, New Delhi.
6. Director, DRIP, CWC, New Delhi.
7. All Directors/ Superintending Engineers, Central Water Commission.
8. J.E.(Trg), CWC, New Delhi to upload this circular on CWC website www.cwc.nic.in/intranet portal.

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Central Project Management Unit
बांध पुनर्वास और सुधार परियोजना
Dam Rehabilitation & Improvement Project

No. 03/03/2017/DSRD/ 4044-4048

Date: 20-08-2019

Sub: Training Programmes on Seismic Design and Safety Evaluation of Concrete Gravity Dams –reg.

Sir,

Central Project Management Unit (CPMU) of DRIP in association with Indian Institute of Technology Roorkee (IITR) is going to organize the Training Programme as per details given below:

Name of the Programme:	Seismic Design and Safety Evaluation of Concrete Gravity Dams
Dates:	11-13 September 2019
Venue:	IITR campus, Roorkee, Uttarakhand

Programme outline for the training programme attached for your information. The Course Coordinator for this programme is:

1. **Dr. Pankaj Agarwal, Professor & Head, Dept. of Earth Quake Engineering, IITR**
Phone: + 91 1332 285317; Mobile: +91 9837004618; Email: panagfeq@iitr.ac.in; panagfeq@gmail.com
2. **Dr. Manish Shrikhande, Professor, Dept. of Earth Quake Engineering, IITR** Phone: + 91 1332 285437; Mobile: +91 9412071738; Email: mshrifefq@iitr.ac.in

Therefore it is requested to nominate officials from CWC for this training programme. Total number of nominations required from CWC is 08 nos. Out of these 08 nos; 04 no officials may be nominated from D&R Wing, 02 no officials may be nominated from RM Wing and 02 no officials may be nominated from WP&P wing.

Please note that there is no course fee for attending these training programme, however, the participants are required make their own arrangements for transportation and other incidentals. IIT Roorkee has kindly agreed to provide accommodation to the participants in their 'Continuing Education Centre Guest House'; participants are required to make direct payment to IIT Roorkee for the accommodation and the logistics.

Gaurav Singhai
(Gaurav Singhai)

Dy. Director, DSR, Central Water Commission
Mobile no 6260447391, email dd3-drip-cwc@nic.in

To, Director (Training), Ground Floor, New Library Building, CWC, New Delhi



तीसरी मंजिल, केन्द्रीय जल आयोग पुस्तकालय भवन, रामकृष्ण पुरम, नई दिल्ली-110066

3rd Floor, CWC Library Building, R.K. Puram, New Delhi-110 066



Pl. circulate
20/8
Pl. Put on circulars of CWC website for getting nominations
AD (Trs)

Copy for information to:

- 1. Chief Engineer, HRM, CWC, New Delhi.**
- 2. All field Chief Engineer, Central Water Commission with a request to send nominations from their organization to Director (Training), CWC, New Delhi for obtaining further approval from Competent Authority.**
- 3. Chief Engineer, NWA, Pune.**
- 4. Director (RM/D&R/WP&P) Coordination Directorate, CWC, New Delhi, with a request to send their nominations to Director (Training), CWC, New Delhi for obtaining further approval from Competent Authority.**



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Programme Content

Title: Seismic Design and Safety Evaluation of Concrete Gravity Dams

Coordinators: Prof. Pankaj Agarwal and Prof. Manish Shrikhande

Duration of Training: 3 days

Dates: September 11-13, 2019

Contents of the training:

1. Seismological parameters related to dam safety evaluation
2. Basic concept of SDOF and MDOF system
3. Past performance of gravity dams during earthquakes and mode of failure
4. Earthquake ground motion characteristics and damage potential
5. Concept of Response Spectrum/ Design Spectrum/ Seismic Hazard for dams
6. Finite element modelling and analysis of concrete gravity dams on ABAQUS® Hands on
7. Response spectrum analysis of concrete gravity dams on ABAQUS® – Hands on
8. Pseudo-static seismic analysis of dams and stability analysis of concrete gravity dam as per IS 6512: 1984/ IS 1893
9. Non-destructive evaluation and seismic retrofitting of gravity dams
10. Time history analysis of concrete gravity dam on ABAQUS® - Hands on
11. Non-linear analysis of concrete gravity dams on ABAQUS® - Hands on

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बांध पुनर्वास और सुधार परियोजना
Dam Rehabilitation & Improvement Project

No. 03/03/2017/DSRD/4117-4121

Date: 20-08-2019

Sub: Training Programme on "Water Quality Assessment, Reservoir Sedimentation & Risk Remedial Measures" -reg.

Sir,

Central Project Management Unit (CPMU) of DRIP in association with Motilal Nehru National Institute of Technology (MNNIT), Allahabad is going to organize the Training Programme as per details given below:

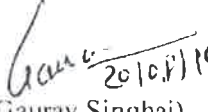
Name of the Programmes: Water Quality Assessment, Reservoir Sedimentation & Risk Remedial Measures
Dates: 25-29 September 2019
Venue: MNNIT campus, Allahabad, Uttar Pradesh.

Programme outline for the training programme attached for your information. The Course Coordinator for this programme is:

Prof. R.P. Tiwari, Department of Civil Engineer, Mob: 9415216780, Email: rptewari@mnnit.ac.in

Therefore it is requested to nominate officials from CWC for this training programme. Total number of nominations required from CWC is 08 nos. Out of these 08nos; 04 no officials may be nominated from D&R Wing, 02 no officials may be nominated from RM Wing and 02 no officials may be nominated from WP&P wing.

Please note that there is no course fee for attending these training programme, however, the participants are required make their own arrangements for transportation and other incidentals. MNNIT Allahabad has kindly agreed to provide accommodation to the participants in their Guest House; participants are required to make direct payment to MNNIT Allahabad for the accommodation and the logistics.


(Gaurav Singhai)

Dy. Director, DSR, Central Water Commission
Mobile no 6260447391, email dd3-drip-cwc@nic.in

To, Director (Training), Ground Floor, New Library Building, CWC, New Delhi



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P. C. S. S. S.
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E. Vey
ADCB
PI put on circulars in CWC website for getting nomination

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Water Quality Assessment, Reservoir Sedimentation & Risk Remedial Measures



25-29 September, 2019
Central Water Commission, New Delhi

&
Department of Civil Engineering
Motilal Nehru National Institute of Technology Allahabad
Prayagraj-211004

PROGRAMME

Wednesday 25 September, 2019		
Time	Topic	Resource Person
9:30 AM-10:30 AM	Registration of participants	---
10:30 AM-11:00 AM	Inauguration	---
11:00 AM-11:45AM	Tea	
11.45 AM- 1.15 PM	Key Note Lecture: Overview of Water quality assessment & Reservoir Sedimentation	Prof. R. P. Singh, MNNIT Allahabad
1:15 PM-3:00 PM	Lunch	
3.00 PM-4.30 PM	Lecture 1: Water Quality Assessment of Reservoir – A Case Study ➤ Water Quality Parameters ➤ Chemical Analysis of Water ➤ Importance of Water Quality for Reservoir Health	External/Internal Experts
4:30PM-5:30 PM	Group Discussion & Interaction	---

Water Quality Assessment, Reservoir Sedimentation & Risk Remedial Measures



25-29 September, 2019
Central Water Commission, New Delhi
&

Department of Civil Engineering
Motilal Nehru National Institute of Technology Allahabad
Prayagraj-211004

Thursday 26 September, 2019		
Time	Topic	Resource Person
10:00 AM-11:30 AM	Lecture 2: Reservoir Sedimentation <ul style="list-style-type: none"> ➤ Causes for Reservoir Sedimentation ➤ Concept of Catchment area treatment. ➤ Techniques of Catchment area treatment 	External/Internal Experts
11:30 – 12:00 Noon	Tea	
12:00-1:30 PM	Lecture 3: Assessment and Management of Reservoir Sedimentation <ul style="list-style-type: none"> ➤ Estimation of Reservoir Sedimentation ➤ Correlation with Catchment Area ➤ Preventive Measures 	External/Internal Experts
1:30 PM-3:00 PM	Lunch	
3:00-4:30 PM	Lecture 4: Sedimentation Analysis of Reservoir - A Case Study <ul style="list-style-type: none"> ➤ Need of Sedimentation Analysis ➤ Process of Analysis ➤ A case Study 	External/Internal Experts
4:30-5:30 PM	Group Discussion & Interaction	---



Water Quality Assessment, Reservoir Sedimentation & Risk Remedial Measures



25-29 September, 2019
Central Water Commission, New Delhi

&
Department of Civil Engineering
Motilal Nehru National Institute of Technology Allahabad
Prayagraj-211004

Friday 27 September, 2019		
Time	Topic	Resource Person
10:00 AM-11:30 AM	Lecture 5: Risk assessment of Reservoir and Remedial Measures ➤ Types of Risk in Reservoir ➤ Quantitative and Qualitative Assessment ➤ Remedial Measures	External/Internal Experts
11:30 -12:00 Noon	Tea	
12:00-1:30 PM	Lecture 6: Hydrograph Analysis, its Application & Importance ➤ Basic concept of Surface and Groundwater Hydrograph ➤ Hydrograph Analysis ➤ Uses and importance of Hydrograph	Dr. H. K. Pandey, MNNIT Allahabad
1:30 PM-3:00 PM	Lunch	
3:00-4:30 PM	Lecture 7: Reservoir Sedimentation in India – An Overview ➤ National Scenario of Reservoirs ➤ Sedimentation trends in different reservoirs. ➤ Forecasting of Reservoir Sedimentation	External/Internal Expert
4:30-5:30 PM	Valedictory Session	---

Saturday 28 & Sunday 29 September 2019

Site Visit

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Dam Rehabilitation & Improvement Project

No. 03/03/2017/DSRD/ 4013 - 77

Date: 20-08-2019

Sub: Training Programmes on "Geotechnical Aspects Related to Dam Safety" -reg.

Sir,

Central Project Management Unit (CPMU) of DRIP in association with Maulana Azad National Institute of Technology (MANIT), Bhopal is going to organize the Training Programme as per details given below:

Name of the Programme:	Geotechnical Aspects Related to Dam Safety
Dates:	30 September to 01 October 2019
Venue:	MANIT campus, Bhopal, Madhya Pradesh

Programme outline for the training programme attached for your information. The Course Coordinator for this programme is:

Dr. S. K. Katliyar, Professor & Head of Civil Engg., MANIT Bhopal, Mobile: +91 9837004618;
Email: <skatiyar7@rediffmail.com>; katiyarsk@manit.ac.in

Therefore it is requested to nominate officials from CWC for this training programme. Total number of nominations required from CWC is 08 nos. Out of these 08nos; 04 no officials may be nominated from D&R Wing, 02 no officials may be nominated from RM Wing and 02 no officials may be nominated from WP&P wing.

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10/08/2019
(Gaurav Singhai)

Dy. Director, DSR, Central Water Commission
Mobile no 6260447391, email dd3-drip-cwc@nic.in

To, Director (Training), Ground Floor, New Library Building, CWC, New Delhi

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Maulana Azad National Institute of Technology, Bhopal

Dam Rehabilitation and Improvement Project (DRIP)
Training Programme on
GEOTECHNICAL ASPECTS RELATED TO DAM SAFETY
30 September to 01 October 2019 at MANIT Bhopal
Organised by
Civil Engineering Department, MANIT Bhopal

S. No.	Topic	Date	Time
DAY-1			
1	Registration of Participants & Inauguration	30.09.2019	9:30 AM to 10:30AM
2	Inaugural Tea Break	30.09.2019	10:30 AM to 11:00AM
3	Introduction and Overview of Programme	30.09.2019	11:00 AM to 12:00AM
4	Soil characteristics and their impact on the stability of the dam.	30.09.2019	12:00 AM to 1:30PM
Lunch Break (1:30 PM to 2:30 PM)			
5	Geophysical and geotechnical investigation of the dam site.	30.09.2019	2:30 PM to 4:00PM
6	Tea Break	30.09.2019	4:00 PM to 4:15 PM
7	Lab. Session (Geotechnical Engg.)	30.09.2019	4:15 PM to 5:45 PM
DAY-2			
8	Seepage control measures for Dams	01.10.2019	9:30 AM to 11:00 AMM
9	Tea Break	01.10.2019	11:00 AM to 11:15 AM
10	Seepage analysis of Dams (Computer Lab Session)	01.10.2019	11:15 AM to 1:30 PM
Lunch Break (1:30 PM to 2:30 PM)			
11	Case study on Dam safety by Mr. Mahaveer Bidasaria	01.10.2019	2:30 PM to 4:00 PM
12	Tea Break	01.10.2019	4:00 PM to 4:15 PM
13	Case study of Kannupur dam (Odisha).	01.10.2019	4:15 PM to 5:00 PM
14	Valedictory	01.10.2019	5:00 PM to 5:30 PM

Handwritten signature
5/8/19