



03/03/2017-DSRD/Training/4491-94

Dated: 30/10/2019

**CIRCULAR**

Approval of competent authority is hereby conveyed to conduct training on "Dynamic Analysis Procedures for Dams" during November 6-8, 2019 by Dr A K Chopra, University of California, Berkeley, USA and Dr. Lukke, Norwegian Geological Institute, Norway.

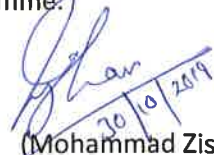
Venue: 5<sup>th</sup> floor, Training Hall, Sewa Bhawan, CWC, New Delhi (Forenoon Theory Session)  
: 6<sup>th</sup> floor, SMD Computer lab, Sewa Bhawan, CWC, New Delhi (Afternoon Hands on Session)

Time: 10:00 AM – 05:00 PM

The list of all nominated officials of CWC is as under:

S.NO.	Name	Designation
1.	T K Sivarajan	CE, DES (E&NE)
2.	S K Sibal	CE, DES (N&W)
3.	Gulshan Raj	CE, DSO
4.	Vijay Saran	CE, IMO
5.	Vivek Tripathi	Director, CMDD (E&NE)
6.	Darpan Talwar	Director, Hyd. Mech. DES(SE&W)
7.	Kayum Mohammad	Director, CMDD (NW&S)
8.	Anil Jain	Director, BCD (NW&S)
9.	S K Das	Director, HCD (E&NE)
10.	Sameer Kumar Shukla	Director, FE&SA
11.	Rajeev Singhal	Director, DSM
12.	N N Rai	Director, HYD (DSR)
13.	Goverdhan Prasad	Director, HYD (N)
14.	Mukesh	DD, CMDD (NW&S)
15.	Ashotosh Anand	DD, CMDD (E&NE)
16.	Randhir Chowdhary	DD, Emb (SE&W)
17.	Abhinav Srivastav	DD, HCD(E&NE)
18.	Ankit Kumar	DD, FE&SA
19.	Sarbjit Singh	DD, BCD (E&NE)
20.	M.S Harshita	DD, HCD (N&W)
21.	Annapu Praveen	DD, BCD (N&W)
22.	Ashwani K Verma	DD, Emb (NW&S)
23.	Shachi Jain	DD, DSM
24.	Nagraj V	DD, BCD (E&NE)
25.	Satyam Aggarwal	AD, FE&SA
26.	Karthikeyan	AD, Emb (N&W)
27.	Arun Pratap Singh	AD, CMDD (NW&S)
28.	Amit Gupta	AD, HCD (E&NE)
29.	Vivek Kumar Soni	AD, DSM
30.	Amir Suhail	AD, HCD (N&W)
31.	Karan Singh Saini	AD, CMDD (E&NE)
32.	Rohit Singh	AD, FE&SA
33.	Narendra Kumar Meena	AD, Instrumentation, DSO

All Participants are requested to make it convenient to attend the training programme.

  
20/10/2019

(Mohammad Zishan)  
Assistant Director, DSR Dte

Copy for information to:

1. PPS to Member (D&R), Central Water Commission, New Delhi
2. Chief Engineer (DSO), Central Water Commission, New Delhi
3. DD, PCP with a request to book 5<sup>th</sup> floor training hall for this training.
4. DD, SMD with a request to book SMD Computer lab for this training and for uploading this circular on the website



**Training Programme on  
Dynamic Analysis Procedures for Dams**

Venue: 5<sup>th</sup> floor, Training Hall, Sewa Bhawan, CWC, New Delhi (Forenoon Theory Session)  
: 6<sup>th</sup> floor, SMD Computer lab, Sewa Bhawan, CWC, New Delhi (Afternoon Hands on Session)

Time: 10:00 AM – 05:00 PM

Date: November 6-8, 2019

**Programme Outline**

Date & Time	Topic	Faculty
Day 1: Wednesday, 06 Nov 2019		
10:00 – 10:10	Opening Remarks	
10:10 - 11:30	Factors to Be Included in Dynamic Analysis	Dr A K Chopra/ Dr. Arnkjell Løkke
11:30 – 13:00	Response Spectrum Analysis	
13:00 – 14:30	Lunch	
14:30 – 17:00	Hands On	
Day 2: Thursday, 07 Nov 2019		
10:00 - 11:30	Response History Analysis: Substructure Method	Dr A K Chopra/ Dr. Arnkjell Løkke
11:30 – 13:00	Response History Analysis: Direct Finite-Element Method	
13:00 – 14:30	Lunch	
14:30 – 17:00	Hands On	
Day 3: Friday, 08 Nov 2019		
10:00 - 13:00	Miscellaneous Topics: <ul style="list-style-type: none"><li>• Comparison of computed and recorded response of dams</li><li>• Reducing earthquake-induced stresses</li><li>• Seismic performance evaluation</li><li>• Applications of dynamic analysis to projects</li></ul>	D A K Chopra/ Dr. Arnkjell Løkke
13:00 – 14:30	Lunch	
14:30 – 17:00	Hands On	
17:00 – 17:10	Closing Remarks	

Course Coordinator:  
Mohammad Zishan, AD, DSR  
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