

Revised Minutes of the first meeting of the National Committee on Seismic Design Parameters (NCSDP) for River Valley Projects held on 14.11.91 in Central Water Commission

1. Opening Remarks:

The first meeting of the National Committee on Seismic Design Parameters (NCSDP) for River Valley Projects was held in Central Water Commission, New Delhi, on 14.11.1991 under the Chairmanship of Dr.C.D.Thatte, Member (D&R), CWC. The Chairman welcomed the members, special invitees and other participants to the meeting. He told that NCSDP was a re-constituted set up of the erstwhile 'Standing Committee to Suggest Design Seismic Coefficient of Hydraulic Structures'. He stated that the 1st meeting had a great significance as it was being held in context of the earthquake which occurred in the Garhwal region on 20.10.1991. He stated that this was perhaps the first earthquake of its type which had been extensively recorded in India and that all the investigating agencies had an important role to play in correct assessment of the earthquake parameters and arrive at consensus on the subject. List of members, special invitees and others present during the meeting is enclosed.

2. Presentations and discussions on the Garhwal earthquake of 20.10.1991

Representatives of Indian Meteorological Department, Geological Survey of India, National Geophysical Research Institute, Wadia Institute of Himalayan Geology, Survey of India and Department of Earthquake Engineering, University of Roorkee, thereafter presented in turn the work done by their investigating teams in the earthquake region. It was seen that field studies were in progress and it would take at least one month more for them to arrive at even interim assessment of the earthquake parameters.

There was a thorough discussion amongst the participants on studies done so far and suggestions for remaining period of studies were also put forth.

It was decided that each investigating agency would complete their studies to the extent possible and prepare a draft report and send it to the Chairman of the NCSDP by 30th December 1991. The second meeting of the Committee would be convened in the first week of January 1992. The following agencies were assigned a special task to cover following areas of the proposed report by NCSDP:

(a) IMD - Location of epicentre and magnitude of earthquake.

(b) GSI - Mechanism of the earthquake and isoseismals.

(c) Department of		
Earthquake		Acceleration of the
Engineering,		earthquake.
University of		
Roorkee.		

3. In consultation with Director, NGRI, Hyderabad, Chairman of the Special Committee, it was decided to hold the first meeting of the Special Committee on Seismic Instrumentation on 15.11.1991.

4. There were no comments regarding the minutes of the 25th meeting of the erstwhile 'Standing Committee to Suggest Design Seismic Coefficient of Hydraulic Structures' in River Valley Projects. Hence, the minutes were taken as noted for record.

LIST OF PARTICIPANTS OF THE FIRST MEETING OF NCSDPMEMBERS

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| 1. | Dr. C.D. Thatte | - Member(D&R), CWC
in the Chair. |
| 2. | Dr. Jaikrishna | - 51, Civil Lines, Roorkee |
| 3. | Shri R.K. Dube | - Director(Seismology), IMD
New Delhi |
| 4. | Dr. P.N. Agrawal | - Head, DEQUOR, Roorkee |
| 5. | Dr. S.K. Rastogi | - Dy. Director, NGRI, Hyderabad |
| 6. | Shri P.L. Narula | - Director, Landslides and
Structure and Tectonic Group
Division, GSI, Lucknow |
| 7. | Shri S.K. Sarma | - Director, Engineering Geology
Division-II, GSI, Lucknow |
| 8. | Prof. A.K. Roy | - Head, Geoscience Division,
IIRS, Dehradun |
| 9. | Col. B.C. Roy | - Director, Geodetic & Research
Branch, Survey of India,
Dehradun |
| 10. | Shri M.G. Joshi | - Chief Engineer(DSO), CWC |
| 11. | Shri V.R. Sastry | - Director(FED), CWC |

SPECIAL INVITEES

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| 12. | Shri S.K. Bhargava | - Engineer-in-Chief
Irrigation Department,
Government of U.P., Lucknow |
| 13. | Shri Guptasarma | - Director, NGRI, Hyderabad |
| 14. | Shri B.L. Jatana | - Executive Director, THDC,
Rishikesh |
| 15. | Shri S.N. Chaturvedi | - Dy. Director General
Northern Region, GSI, Lucknow |
| 16. | Dr. Surendra Kumar | - Head, Structural & Tectonic
Group, WIHG, Dehradun |
| 17. | Dr. V.P. Kamble | - Dy. Director General
IMD, New Delhi |
| 18. | Dr. G.D. Gupta | - Principal Scientific Officer,
& Head Geotectonic Divn. DST
New Delhi |

OTHER PARTICIPANTS

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| 19. | Shri P.S. Rajvanshi | - | S.E., Ranganga Dam,
Kalagarh |
| 20. | Shri S.C. Bhatia | - | Scientist, NGRI, Hyderabad |
| 21. | Shri A.R. Chandrasekaran | - | Prof. DEQUOR, Roorkee |
| 22. | Shri T.D. Sunderbabu | - | Chief Engineer(NW&S), CNC
New Delhi |
| 23. | Shri M. Gopalakrishnan | - | Director, Embankment(N&W),
CNC, New Delhi |
| 24. | Shri V.K. Mittal | - | IND, New Delhi |
| 25. | Shri N.L. Hasija | - | O.C., ST Cell
Geodetic and Research Branch
Survey of India, Dehradun |

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