

Minutes of the First Meeting of the Virtual Centre of Excellence in the form of "Federation of Existing Institutions in Uttaranchal for Leveraging Water/Hydropower Resources" held on Nov. 22, 2004 at IIT Roorkee

Following attended:

S. No.	Organisation	Name	Designation
1.	IIT Roorkee Chairman of the Federation (In Chair)	Prof. Prem Vrat	Director
	<u>CORE GROUPS</u>		
2.	Technical Education, Uttaranchal	Sh.M.P. Gupta	Director
3.	State Engineers Training Institute, Kalagarh	Sh.B.B.L. Mittal	Additional Director
4.	Irrigation Research Institute, Roorkee	Dr. O.P. Dubey	Research Officer
5.	I.R.I. Roorkee	Sh. M.S. Verma,	S.E. (Hydraulics)
6.	University of Petroleum & Energy Studies, Dehradun	Dr. Himmat Singh	Distinguished Professor
7.	Govt. Workshop, Roorkee	Sh. Suresh Kumar Vaish	Works Manager
8.	Uttaranchal Academy of Administration, Nainital	Dr. Dharendra Shah	Project Manager
9.	N.I.H., Roorkee	Sh. R.D. Singh	Scientist 'F'
10.	Wadia Institute of Himalayan Geology, Dehradun	Sh. S.K. Bartarya	Scientist 'D'
	<u>USER GROUPS</u>		
11.	NTPC	Sh. R. Krishnamurthy	General Manager, Loharinag-Pala HPP
12.	Uttaranchal Power Corpn. Ltd.	Sh.Prahlad Singh	Dy. General Manager, Roorkee
13.	Uttaranchal Power Corpn. Ltd.	Sh.Atul Kumar Agarwal	Executive Engineer, Distribution, Roorkee
14.	UREDA	Sh. Arun Kumar Tyagi	Dy. Chief Project Officer, Dehradun
15.	THDC	Sh. S.K. Grover	Dy. General Manager, Rishikesh
16.	HimUrja (P) Ltd., New Delhi	Sh. Arun Gupta	Managing Director
	<u>IIT ROORKEE</u>		
17.	Coordinator, UDC	Prof. A.K. Pant	Professor
18.	Civil Engg. Deptt.	Prof. C.S.P. Ojha	Professor
19.	Hydrology Department	Prof. N.K. Goel	Professor
20.	Earthquake Engg. Deptt.,	Prof. G.I. Prajapati	Professor
21.	WRDTC	Prof. D. Das	Professor

22.	Deptt. of Earth Sciences	Prof. V.N. Singh	Head
23.	AHEC	Sh. Arun Kumar	Head & Member Secretary

Govt. of Uttaranchal vide its Office Memorandum No.283/I/2004-04(3)/65/03 dated Aug.05, 2004 has decided to create a Centre of Excellence in the form of "Federation of Existing Institutions in Uttaranchal for Leveraging Water/Hydropower Resources".

The first meeting of the Centre held on Nov. 22, 2004 (Monday) of all participating institutions from core group and user organizations of the state at IIT Roorkee.

Prof. A.K. Pant, Coordinator, Uttaranchal Development Cell, IIT Roorkee welcomed the members of the participants representing different participating institutions of core groups and user organizations.

In the opening remarks Prof. Prem Vrat, Director, IIT Roorkee and Chairman of the Federation mentioned about the concept of Virtual Centre of excellence in the form of federation of existing institutions/organizations for leveraging the immense water/hydropower potential available in the state of Uttaranchal. Manpower issues relevant to the state of Uttaranchal can be addressed to a large extent by pooling the strength of existing institutions working in the water/hydropower area. There is an urgent need to coordinate and share resources of each other and meet all the needs of human resources from within the state itself. Capacity could be further enhanced by providing appropriate inputs by the core groups. He further mentioned about the expected short and long term objectives, which are summarized as below:

- Take Stock of available expertise and the short as well as medium term requirements of user organisations.
- Provide a platform of Networking among the Institutions and develop a collaborative framework for harnessing water resources, taking up projects and evolving water policy.
- Some of the activities the federation may take up can be.
 - * Establishment of database
 - * Developing long term plans
 - * Provide a knowledge bank in terms of a reference library.

The representatives of core group institutions made presentations about their strengths, activities being taken up by them and proposed activities in the area of water/hydropower sources. The presentations were made by:

- Dr. Himmat Singh, Distinguished Professor, University of Petroleum & Energy Studies, Dehradun
- Dr. O.P. Dubey, Research Officer, Irrigation Research Institute, Roorkee
- Sh. B.B.L. Mittal, Additional Director, State Engineers Training Institute, Kalagarh
- Sh. S.K. Bartarya, Scientist 'D', Wadia Institute of Himalayan Geology, Dehradun
- Sh.M.P. Gupta, Director, Technical Education, Uttaranchal
- Sh. R.D. Singh, Scientist 'F', N.I.H., Roorkee
- Dr. Dharendra Shah, Project Manager, Uttaranchal Academy of Administration, Nainital
- Prof. C.S.P. Ojha, Professor, Civil Engg. Deptt., IIT Roorkee
- Prof. N.K. Goel, Professor, Hydrology Department, IIT Roorkee
- Prof. G.I. Prajapati, Professor, Earthquake Engg. Deptt., IIT Roorkee
- Prof. D. Das, Professor, WRDTC, IIT Roorkee

- Prof. V.N. Singh, Head, Deptt. of Earth Sciences, IIT Roorkee
- Sh. Arun Kumar, Head, A.H.E.C., IIT Roorkee

The representatives of user organizations presented their achievements and mentioned about their needs. The presentations were made by Shri R. Krishnamurty, NTPC, Shri S.K. Grover, THDC, Shri Prahlad Singh, UPCL and Shri Arun K. Tyagi, UREDA.

Participants mentioned about the gaps in the various areas, which could perhaps be filled up by taking up activities by core group organisations. The need of data on hydrology and surveys is one of the most important requirements to be shared among the users.

Following recommendations were made.

1. A Directory of all the federation member institutions with their concerned personnel, contact details (tel, mobile, email etc.) may be prepared.
2. All user organizations/institutions may be addressed and contacted about the mandate of the federation.
3. Utilisation of spare capacity of manufacturing and fabrication of the existing institutions may be made. If required, the capacity expansion may be planned.
4. Database of the state for its hydro resources, human resources and available infrastructure be compiled and shared
5. Hydrological data of all gauged streams in the state may be compiled with regular updates.
6. The facilities and equipment available in different core group institutions may be appropriately utilized by extensive networking and appropriate sharing of the benefits.
7. The syllabi of the different courses/ programmes at all levels may be modified and strengthened to take special requirements of hydropower/water related user organisations.
8. Short-term training courses may be organized at regular interval.
9. A one day workshop may be organized of all stake holders in Dehradun to focus further on the need and proposed plan of action .
10. Uttaranchal Jal Sansthan, Uttaranchal Jal Nigam, Forest Department and Uttaranchal Watershed Development may be included in the user groups under OM of Govt. of Uttaranchal.
11. A web site of the federation with the links of all the federation member organizations be hosted.
12. The administrative expenses for the federation may be met from the interest accrued on the corpus fund proposed to be provided by the Uttaranchal Government.