

Minutes of the Meeting of Core Group and User Organizations of Virtual Centre of Excellence known as “Water for Welfare: An Uttarakhand Initiative” held on May 05, 2017 at IIT Roorkee

PRESENT

As per list attached.

Prof Ajit K Chaturvedi, Director, IIT Roorkee and Chairman of the committee welcomed the members of Core group and User Organizations. He, thereafter, asked Prof Arun Kumar, AHEC to present the agenda.

Agenda no. 1: To report the achievements of the virtual centre

The achievements of the virtual centre “**Water for Welfare: An Uttarakhand Initiative**” were presented by Prof Arun Kumar. The objectives of creation the Virtual Centre of Excellence in the form of a federation of existing institutions in the Uttarakhand state for leveraging the water / Hydropower resources in Uttarakhand state were re-iterated. The committee noted the contents and reaffirmed their commitment in making this virtual centre more active and useful for the welfare of the state of Uttarakhand.

Agenda no. 2: To consider the activities related to Namami Gange Programme in the state of Uttarakhand

The details of National Mission for Clean Ganga (NMCG), an authority of Govt. of India under the Ministry of Water Resources, River Development and Ganga Rejuvenation, constituted for the implementation of the programmes for effective abatement of pollution and rejuvenation, protection and management of the River Ganga including augmentation of sewerage and effluent treatment infrastructure, catchment area treatment, protection of flood plains, creating public awareness, etc. were presented. Uttarakhand state has an appreciable stake in the activities of NMCG programme.

Dr. Rohit Langer, Programme Director, State Project Monitoring Group (SPMG), highlighted the status of various activities undertaken by the state under the Namami Gange programme of Govt. of India under NMCG and other national and state programmes. Different projects on river front development, treatment of sewage generated from villages and urban areas around river Ganga, are under different stages of the development. There are several activities like bidding of the projects for execution, third party verification, water quality monitoring, IEC (Information, Education and Communication), outreach, where handholding, expertise and skilled personnel of institutions/individuals from Uttarakhand state may be utilized. He further suggested that studies are required to be carried out by independent and reliable groups on the scientific basis for possible ground water contamination due to construction of large number toilets without properly constructed soak pits. He further mentioned that solid and liquid waste management (SLWM) programme of the villages and small local bodies and management of waste in water bodies were under way. An attitudinal change of people mindset is required towards waste generation and its disposal. The state is aiming for making state open defecation free. He also mentioned that 100 springs in some villages of Uttarakhand are being rejuvenated where Rs. 5 lacs per spring is being funded at the Village Panchayat level.

Head, Civil Engineering Department, IIT Roorkee cited the example of Jagjitpur village drinking water pollution, where water is getting polluted day by day. Head, Civil Engineering Department,

Scientist of Wadia Institute and Dean, UPES informed that their groups are conducting similar activities along with others in the state. Their efforts may be further dovetailed and expanded with the objectives of state sanitation and drinking water programme.

Programme Director of SPMG mentioned that there are several activities where members of the group may contribute significantly. A separate meeting may be called for this purpose preferably at Dehradun where major stakeholders like Uttarakhand Pey Jal Nigam, Uttarakhand Jal Sansthan, Rural Drinking Water Mission, Watershed management, Directorate may participate along with the core group members for better understanding and effective involvement.

Agenda no. 3: To consider the impact of Uttarakhand Water Management and Regulatory Act 2013 (and amendments) as well as Uttarakhand Water Tax on Electricity Generation Act 2012 (and amendments) in water sector

The impact of Uttarakhand Water Management and Regulatory Act 2013 (and amendments) as well as Uttarakhand Water Tax on Electricity Generation Act 2012 (and amendments) on the hydropower project, was discussed. Many hydropower companies have gone to the court against the water tax. It was resolved that a committee comprising of experts from NHPC, UJVN, THDC, State Engineers Academy, NIH and Department of Hydrology IITR is constituted which shall discuss the matter and shall bring out a comprehensive view on the subject.

Various publications prepared and distributed by the virtual centre to different stakeholders in the past were also presented. The chairman advised the members to use these publications for creating awareness of the water conservation and clean water and use of water resources for the betterment of the state. These publications are also available on the website of virtual centre and may be downloaded and used by the members.

Agenda no. 4: To consider the status/progress on Policy for development of micro and mini hydropower projects up to 2 MW in 2015.

The status of the development after the announcement of Policy for micro and mini hydropower projects up to 2 MW in 2015 with the inputs from UREDA was presented during the meeting. The need for training in the field of small hydropower on planning, design, operation and maintenance, power evacuation and distribution, revenue collection especially for the Gram Panchayat and Users was emphasized. UREDA shall initiate the process of organizing trainings through expert organizations like IIT Roorkee and others as per the need for the Gram Panchayat and others. There would be a host of stakeholders who would need to receive a clear and timely orientation on their roles and responsibilities and how to take them.

Out of the discussion, it emerged that there is a strong need of building the power evacuation infrastructure by the state in the timeline of hydropower project execution. Many of the low voltage lines like 11 kV, 33 kV, 66 kV lines, though are owned by distribution company UPCL, but act as power transmission lines for small hydropower projects located in remote and hilly area. Their availability and maintenance is required on the 24 x 7 x 365 basis, so that the small hydropower projects do not suffer the loss of power generation due to non-availability of power evacuation and distribution to beneficiary villages. PTCUL and UPCL are required to coordinate jointly in this regard. Director PTCUL promised to accord the high priority for completing the installation of power evacuation lines for small hydropower projects which has been either commissioned or to be commissioned.

Further support from state is desired for completion of the roads in pipeline and construction of additional roads for the water resources and small hydro power projects for better accessibility and connectivity to the villages and hydropower plants.

Agenda no. 5: To consider the recommendation of the virtual centre to the state government for increasing the employability in water resource sector

Based on the earlier discussions and decision of past meetings of the virtual centre, the state government was advised in the past for considering the issuance of necessary executive instructions and orders to user organizations:

- (a) To provide special budget to the related state Institutions/ Departments (e.g. Government workshop, Government Hydraulic Research Institute etc.) for providing the necessary tender cost, earnest money and security for participating and securing the government works. There may be a revolving fund available to the agencies.
- (b) While allotting the sites or issuing the contracts for execution for water resources and hydropower projects, the organisations (both private and government sector) may employ the students acquiring the skills and education in water resources and hydropower development from different polytechnics, degree colleges, professional colleges such as engineering, management of the state by certain percentage.
- (c) The organizations (both private and government sector) may hire/use the expertise from the different institutions with in the state on preference basis.
- (d) The students and common citizens may be allowed to visit the water resources, drinking water and wastewater treatment projects and hydropower stations including the easy permission for photography to make them feel that the projects are for their benefits and may feel close to the project.
- (e) Special budget allocation to the different polytechnics, degree colleges, professional colleges such as engineering, management for offering the courses in water resources, EIA and management related subjects specially for capacity building, strengthen of library and laboratory facility, visits to nearby stations.

NHPC representative mentioned that to avail the expertise from institutions including government owned undertaking or laboratories or individuals located in Uttarakhand for carrying out Environment Impact Assessment study, as per Government of India notification those are to be registered with Quality Council of India (QCI) and National Accreditation Board of Education and Training (NABET). Even the prestigious institutions like IIT Roorkee have not been registered with them. So far, this has not permitted to carry out EIA studies. It was decided that virtual centre shall study this matter in depth and shall come up with the proposal in the next meeting.

Agenda no. 6: To consider the proposed activities for the year 2017-18

For the year, 2017-18, following activities were proposed and approved.

S.No.	Activities
1	Brain Storming Meetings – 3 nos. (To be held at different locations in the state)
	• Challenges faced in water sector
	• Availability of Expertise and Use by different groups
	• Namami Gange
2	Organising awareness workshops, seminars in different institutes (6 to 8 nos.)

3	Studies for increasing the employability for water by engagement of people from Uttarakhand in different water sector by state government agencies (5 to 8 studies)
4	Networking of the Institutions/Organisations (Collection, compilation, details)

Interested institutions may send the proposals for organizing the workshop or seminar to virtual centre for seeking the support during the year.

Further for carrying out the studies, the interested institutions may send the proposals to virtual centre who shall form an expert committee comprising experts from 3 to 4 available Institutions to examine and recommend the proposals to the chairman for approval.

Agenda no. 7: To consider the budget for the year 2017-18.

For the year 2017-18, following budget was presented and approved.

			Amount in Rs lacs		
Receipts			Expenditure		
1.	Available along with accrued Interest on endowment	87.68	1.	Organizing awareness workshops, seminars in different institutes (6 to 8 nos.)	6.00
			2.	Studies for increasing the employability for water by engagement of people from Uttarakhand in different water sector by state government agencies (5 to 8 studies)	20.00
			3.	Manpower (Fellow 1)	4.00
			4.	Travel	1.00
			5.	Publication	0.50
			6.	Meetings	3.00
			7.	Postage/Miscellaneous	0.50
	Total	87.68		Total	35.00

Agenda Item 8: Any other item with the permission of the Chair

With the permission of Chair, Joint Director of State Engineers Academy proposed that IIT Roorkee may help them to conduct the training of newly inducted engineers.

There is a need that the strengths of all the concerned institutions in the state are combined together and several specific studies/activities are taken up. For each activity, a nodal or primary department/institution may be identified and IITR may play lead or secondary role as per the subject and expertise. This will increase the number of activities under this initiative manifold.

In addition, different user institutions under the initiative should commit themselves to assign the work of their projects to expert institutions/organizations in the state on nomination basis. Under the initiative, larger National and International projects can be developed and applied for funding from other sources.

The meeting ended with a vote of thanks to the Chair and all the participating members.

Present in the Meeting of Virtual Centre of Excellence known as “Water for Welfare: An Uttarakhand Initiative” held on May 05, 2017 at IIT Roorkee

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