



**CENTRAL INSTITUTE OF HIGHER TIBETAN STUDIES  
(DEEMED UNIVERSITY)  
SARNATH, VARANASI, U.P.-221007**

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*Report on Resource Talk*

**“Effect of Climate Change on availability of drinking water and its remedies”**

Organized by:

**Centre for Teacher Education, CIHTS**

April is the month of **World Earth Day** which is celebrated every year on **22 April**. In view of the importance attached to this day Centre for Teacher Education, Sarnath Varanasi organised a resource talk entitled ‘**Effect of Climate Change on availability of drinking water and its remedies**’ by inviting Professor Sarfaraz Alam, Department of Geography, Institute of Science from Banaras Hindu University, Varanasi, on 19<sup>th</sup> April 2023. The guest speaker was felicitated by worthy madam Registrar Dr Sunita Chandra and revered Dr Himanshu Pandey, Deputy Registrar and Director, CTE. The resource talk was attended by 70 student-Teachers, 12 teaching staffs and 2 staffs of Multimedia section from Central institute of Higher Tibetan Studies.



*(Felicitation of the Resource Person Prof. Sarfaraz Alam by Registrar and Deputy Registrar, CIHTS)*

The Resource person dealt with various sub-topics such as **Fresh Water**: Availability and distribution where he talked about availability of fresh water in the world with percentage and variation of distribution of fresh water in the world, **Sources of fresh water**: ground water, surface water runoff and snow, **Access to water** which is unequally distributed and caused various illness due to lack of access to fresh water. **Economic development** of country requires fresh water for

development of fisheries, agriculture, transportation of goods. Etc. **Geopolitics-** For e.g. Ethiopia and Egypt fought for Nile fresh water, water ways, generation of electricity.



*(Felicitation of dignitaries on the Dice)*



*(Guest Speaker Prof. Alam delivering the lecture)*

**Climate change cause-** disrupted weather patterns, extreme weather events, (floods, droughts, etc) due to global warming. **Climate change and water** is inextricably linked with water crises, worsening floods, rising sea levels, shrinking ice fields, wild fires and drought. Climate induced water crisis such as flooding and rising levels can contaminate land and water resources, glaciers, ice caps and snow fields are rapidly disappearing, droughts and wild fires are destabilising communities, growing demand for water increased the need for energy – intensive water pumping, transportation and treatment has contributed to the degradation of the natural water resources.



*(Students attentively noting the key points of the lecture)*



*(Vote of thanks proposed by Academic Coordinator Dr. Huma Kayoom)*

**The way forward-**The climate policy makers must put water at the heart of action plan, politician must cooperate across national borders, innovative financing for water resource management, improving carbon storage, harvesting rain water adopting climate- Smart agriculture, reusing waste water and harnessing ground water.



*(Programme Coordinator Dr Jampa Thupten introduced the key concepts of the talk)*

The Professor had covered all the significance of the effect of climate change on availability of drinking water and its remedies and in the end, there were questions and answers session with the Teacher-students.

*(This report is prepared by Dr. Jampa Thupten, Assistant Professor, Geography, CTE, CIHTS)*

*Huma*

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