

Contract Signing Ceremony with Department of Hydrology & Meteorology (DHM), Nepal for Development of Flood Forecasting and Early Warning System for Karnali and Narayani River Basins in Nepal

Department of Hydrology and Meteorology (DHM) of Government of Nepal and Institute of Water Modelling (IWM), Bangladesh signed a contract agreement to carry out the Project titled “**Flood Forecasting and Early Warning System for Karnali and Narayani River Basins in Nepal**”. Institute of Water Modelling (IWM) in association with Total Management Services Pvt. Ltd, (TMS), Nepal and Innovative Engineering Service (IES) Pvt. Ltd., Nepal signed an agreement on Sunday, 23rd October, 2022 with Department of Hydrology & Meteorology (DHM), Nepal to support above mentioned project. The contract signing ceremony was chaired by Mr. Ram Prasad Awasthi, Chief, Hydrological Modelling Section of DHM.



Contract Signing Ceremony with DHM Nepal and IWM-TMS-IES JV

Dr. Rajan Bhattarai, Deputy Director General, DHM, Nepal signed the contract as an authorized representative of Department of Hydrology and Meteorology (DHM). On behalf of IWM, the Lead of the Joint-Venture, Md. Sohel Masud, Director, Water Resources Planning Division signed the contract where Mr. Prajol Lal Shrestha, Managing Director of Total Management Services (TMS) and Mr. Anup Khanal, Executive Chairman, Innovative Engineering Services (IES) attended the occasion as authorized representatives of the partner companies.

The overall objective of the project is to develop flood forecast model for Karnali and Narayani Rivers which will be incorporated as a part of the real-time Flood Forecasting and Early Warning System, which can improve the forecast lead time and flood preparedness significantly. The implemented system can gradually be upgraded and dynamically linked to the existing flood forecasting system. The early warning system for floods in Karnali and Narayani River basin developed from the integrated flood forecasting system will help mitigate the flood-related hazards by disseminating warnings to the users/target communities a range of government and non-government organizations, media groups and other interested parties.



Project Map of Karnali and Narayani River Basins, Nepal

In this project, IWM will lead the study as **International Experts** where TMS and IES will provide local support for the study. IWM professionals are providing support for developing and updating the database management system, developing flood forecasting and early warning model for FFEWS, Operating and maintaining of modelling tools and forecast verification. At the same time providing knowledge and develop the troubleshooting capacity of DHM professionals on model development, updating and operation. The study will be **conducted in three years period** starting from November 2022 to October 2025.

Among others, Md. Tohidul Islam, Senior Specialist, Flood Management Division of IWM, Mr. Khada Nanda Dulal, Deputy Team Leader of IWM-TMS-IES JV and other senior officials of different organizations attended the contract signing ceremony. In the contract signing program, everyone assures their commitment to successfully complete the project with utmost sincerity and quality.