

# Institutional Strengthening of the Water Resources and Power Sectors

**Institutional strengthening and human resources development for electricity sector; Support to the Electricity Regulator of Bhutan (BEA); Support to the Department of Hydro-Met Services for sustainable data provision to accelerated hydropower development including glacial monitoring; Studies of hydropower potentials.**



Norwegian  
Water Resources and  
Energy Directorate

## Background:

The Goal/Impact of the Programme is to facilitate the accelerated and sustainable development of the hydropower resources of the country thereby leading to socio-economic development and poverty reduction in pursuit of Gross National Happiness. The Purpose/Outcome of the Programme is to increase institutional capacity of the energy sector and attract potential investors for implementation of hydropower projects.

The specific purpose of the Norwegian supported Programme component is to ensure availability of local expertise for planning the development of hydropower resources and strengthening of regulatory capacity in the energy sector. Phase IV of the energy sector work supported by Norway is covered by the bilateral agreement signed in May 2012. Immediately afterwards, a contract was entered into between DHPS and NVE, in July 2012, for continued institutional cooperation. The program is was completed by in April 2017.

## Activities:

An overview of programme activities carried is given below, theme by theme.

- Human Resources Development
- Support to BEA to meet the Challenges of Accelerated Hydropower Development
- Support to the Department of Hydro-Met Services for Sustainable Data Provision to Accelerated Hydropower Development and Other Users
- Hydropower studies including:
  - Prefeasibility Studies of Medium/Large Hydropower Projects
  - Detailed Project Report (DPR) of Hydropower Projects
  - NVE Support in procurement and contract negotiation and report review hydropower studies
  - A number of other supports including contract advisory services.



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## Overall Project Data

Partner: Department of Hydropower & Power Systems (DHPS), Bhutan  
NVE Mandate: To support a focussed institutional development and capacity building aspects within the energy sector in Bhutan to help it efficiently carry out its ambitious programme of accelerated hydropower development and to support further private hydropower investment both from national and international sources.  
Contract Value/ Duration: 28 MNOK / 2012-2017