

Environmental Assessment Report

Bangladesh Weather and Climate Services Regional Project

BWCSRP

Bangladesh Meteorological Department (BMD)

Bangladesh Water Development Board (BWDB)

Department of Agricultural Extension (DAE)

JULY 2020

Component- B Under package BWDB-W 3

Environmental Screening Report

Bangladesh Weather and Climate Services Regional Project (BWCSRP)

Disclosure of Environmental Impact Screening for Establishment of Hydrology Lab (Construction & Furbishing) of Component - B under package BWDB-W3

The government of Bangladesh is implementing the Weather and Climate Services Regional Project (BWCSRP) with IDA credit in order to strengthen Government of Bangladesh's capacity to deliver reliable weather, water and climate information services and improve access to such services by priority sectors and communities. The project comprises of four components. Out of these components Bangladesh Water Development Board (BWDB) is implementing Component –B. There are a number of packages under this component.

The package no. BWDB-W3 includes construction of Hydrology Laboratory and Research Center above the existing Chief Engineer, Hydrology's office building. This building is located at 72 Green road in the BWDB premises which have 05 (Five) storied foundation and two storied completed existing building. This existing building will be extended up to 5th floor i.e three additional floor will be constructed for establishing laboratory and research center for BWDB. Both Acidified and Non-Acidified samples collected from Ground water wells of all over the country to perform test on E.C, pH, Temperature, DO, TDS etc. in this laboratory. Also testing of 20 physico-chemical parameters (Ca, Mg, Na, K, HCO₃, CO₃, Cl, NO₃, PO₄, B, Br, I, Fe, Mn, As, Cr, Al, Cu, E.C) will be conducted in this laboratory. These activity will enable BWDB to know the ground water and surface water quality around the country. Thus establishment of Hydrology Lab will contribute to overall positive impact in terms of sustainable management of the groundwater and surface water as well as public health of the country.

This disclosure contains an environmental impact screening checklist along with an assessment of environmental impact for Establishment of Hydrology-lab (Construction and Furbishing) under package BWDB-W3.

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Environmental Impact Screening Checklist for Establishment of Hydrology-lab (Construction & Furbishing) under package BWDB-W3 (Assessment of selected site attached)

Package no: BWDB-W3

Checklist no: 01

Screening Criteria/ Environmental Parameters	Environmental Assessment				
	Positive Impact *	No Impact	Adverse Impact **		
			Low	Moderate	Severe
Does the project site and activities fall within/and/or will impact the following environmentally sensitive area?					
Protected areas		✓			
Wetland		✓			
Reserve forest		✓			
National Park		✓			
Buffer zone of protected areas		✓			
Special area for protecting biodiversity		✓			
Near cultural heritage sites		✓			
Areas with rare/endangered flora/fauna		✓			
Will there be any minor construction which will have					
1. Ecological					
Fisheries		✓			
Aquaculture		✓			
Eutrophication		✓			
Wetland		✓			
Bushes/trees		✓			
Animals		✓			
Species diversity		✓			
Engendered species		✓			
2. Physical-chemical					
Erosion and siltation		✓			
Flooding		✓			
Drainage congestion		✓			
Air pollution		✓			
Noise pollution		✓			
Solid waste		✓			
Chemical waste		✓			
Water Pollution		✓			
Disaster management		✓			
3. Human interest related					
Loss of agricultural land		✓			
Heath		✓			
Navigation		✓			
4. Health and safety					
				Yes	No
Access to site is safe and easy (example tall columns, sea) for installation team and inspection staff				✓	
Hazardous/dangerous substances used					✓

**There will be no adverse environmental impact

Assessment for Establishment of Hydrological-lab (Construction & Furbishing)
of under package BWDB-W3

Sl. No.	Location of Hydrology lab District/Upazila Longitude/Latitude	Whether the intervention fall in environmentally sensitive areas	Whether the installation have any impact on environment	Whether the intervention has impact on health and safety of human	Remarks
1	2	3	4	5	6
1	Dhaka Sadar Existing Chief Engineer (Hydrology) office building 72, Green road, Dhaka	No	No	Low impact during construction	Contraction of “Hydrology lab and Research Center” above the existing Chief Engineer (Hydrology) Office building

