

Environmental Screening Report

Bangladesh Weather and Climate Services Regional Project

BWCSRP

Bangladesh Meteorological Department (BMD)

Bangladesh Water Development Board (BWDB)

Department of Agricultural Extension (DAE)

AUGUST 2020

Component- B Under package BWDB-G6

Environmental Screening Report

Bangladesh Weather and Climate Services Regional Project (BWCSRP)

Environmental Impact Screening for Coastal Inundation & Storm monitoring system and Comprehensive Annual maintenance. 40 Automated Weather station (Air Temp, R. Humidity, Wind Speed & Wind Direction, Atmospheric Pressure, Solar radiation & Automatic rain gauge) for Costal Inundation & storm hydromel Monitoring Stations of Component - B under package BWDB-G6

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-G 6 includes Coastal Inundation & Storm monitoring system and Comprehensive Annual maintenance. 40 Automated Weather station (Air Temp, R. Humidity, Wind Speed & Wind Direction, Atmospheric Pressure, Solar radiation & Automatic rain gauge) for Costal Inundation & storm hydromel Monitoring Stations of Component - B under package BWDB-G6. These activity will enable BWDB to know the ground water and surface water quality around the country. Thus establishment of Automation of 40 Water Level Stations shall be placed in a suitable position with existing bridge structure where even possible and the final point of installation will be fixed upon discussion and approval of client.. 40 Stations shall be placed in a suitable position at the roof of existing building structure where ever possible and the final point of installation will be fixed upon discussion and approval of client.. In few cases it may be required to place the station in Coastal Inundation & Storm monitoring system 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 40 Automated Weather station (Air Temp, R. Humidity, Wind Speed & Wind Direction, Atmospheric Pressure, Solar radiation & Automatic rain gauge) for Costal Inundation & storm hydromel Monitoring Stations of Component - B under package BWDB-G6.

Environmental Impact Screening Checklist for 40 Automated Weather station (Air Temp, R. Humidity, Wind Speed & Wind Direction, Atmospheric Pressure, Solar radiation & Automatic rain gauge) for Costal Inundation & storm hydromel Monitoring Stations of Component - B under package BWDB-G 6

(Assessment of selected site attached)

Package no: BWDB-G6

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 Environmental Impact Screening Checklist for 40 Automated Weather station (Air Temp, R. Humidity, Wind Speed & Wind Direction, Atmospheric Pressure, Solar radiation & Automatic rain gauge) for Costal Inundation & storm hydromel Monitoring Stations of Component - B under package BWDB-G 6

Sl. No.	Location of 40 Automated Weather station, Division/District /Upazila with Latitude / Longitude	Whether the intervention fall in environment ally 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	Moheshkhali (New Jetty Ghat) Chittagong /Cox's Bazar/Moheshkhali ,21.524559, 91.980619	No	No	Low impact during construction	Which will not create any environmental impact
2	Raju-Khal Steel Bridge (near Inani Beach) Chittagong/Cox's Bazar/Ramu, 21.294491, 92.050812	No	No	do	do
3	Cox's Bazar (Kolatali Beach) Chittagong/Cox's Bazar/Cox's Bazar Sada, 21.405771, 91.988267	No	No	do	do
4	St. Martin's Island (Lonch Jetty Ghat) Chittagong/Cox's Bazar/Teknaf, 20.632566, 92.328765	No	No	do	do
5	Shahporir Dwip Naf River, Jetty Ghat) Chittagong/Cox's Bazar/Teknaf, 20.768945, 92.34153	No	No	do	do
6	Naf River, Teknaf (Lonch Jetty Ghat) 2 Chittagong/Cox's Bazar/Teknaf ,20.870860, 92.311049	No	No	do	do
7	Chaktai River (Near of Wapda Fery Ghat Chittagong /Chittagong /Karnaphuli) 22.321965, 91.863692	No	No	do	do
8	Potenga Port Chittagong/Chittagong/Patenga 22.226928, 91.801207	No	No	do	do
9	Rupsha Bridge, Khulna Khulna/Khulna/Batiaghata 289.5823, 832.778157,				
10	Mongla Port, Khulna/Mongla/Pourasabha 22.494289, 89.590029	No	No	do	do

Sl. No.	Location of 40 Automated Weather station, Division/District /Upazila with Latitude / Longitude	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
11	Shamlapur (Monkhali Bridge) Chittagong /Cox's Bazar /Teknaf 21.084177, 92.131857	No	No	do	do
12	Kutubdia (Boroghop Lonch Ghat) Chittagong /Cox's Bazar /Kutubdia 21.813151, 91.875237	No	No	do	do
13	Banskhali (Jolkadar Canal Bridge) Chittagong /Chittagong /Banskhali, 21.960832, 91.933827	No	No	do	do
14	Bashkhali Toilardwip Bridge Chittagong /Anowara , 22.173127, 91.911116	No	No	do	do
15	Barokumaria-Sitakunda (Jetty Ghat) Chittagong /Sitakunda 22.505163, 91.693714	No	No	do	do
16	Sandwip (Guptochora Jetty Ghat) Chittagong /Sandwip , 22.505839, 91.544064	No	No	do	do
17	Muhuri Project Tourist Spot and Sluicgate, Chittagong /Feni /Sonagazi 22.836344, 91.453719	No	No	do	do
18	Musapur (Regulator) Chittagong /Noakhali /Companiganj 22.769175, 91.349822,	No	No	do	do
19	Char Amanullah Chittagong /Noakhali /Subarna Char 22.580612, 91.250533	No	No	do	do
20	Motirhat-Moju Chowdhury (Sluicgate) Chittagong /Lakshmipur /Lakshmipur Sadar 22.871230, 90.784784	No	No	do	do
21	Char Jabbar Bridge , Chittagong /Noakhali /Subarna Char 22.585497, 91.023298	No	No	do	do
22	Dopdopia Bridge, Barisal / Barisal Sadar 22.662999, 90.356129	No	No	do	do
23	Khunjerhat Bridge, Barisal /Bhola 22.488698, 90.708094	No	No	do	do
24	Charfashion (Launch Terminal) Barisal/Bhola /Charfasson 22.191733, 90.822126	No	No	do	do

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25	Monpura (Hajirhat Lonch Ghat) Barisal /Bhola /Manpura 22.257295, 90.960566	No	No	do	do
26	Hatiya (Char Chenga to Noakhali Sea Track Bridge) Chittagong /Noakhali /Hatiya 22.229696, 91.071258	No	No	do	do
27	Hatiya-Nijhum Dwip Fery Rte Chittagong /Noakhali /Hatiya 22.091957, 91.049534	No	No	do	do
28	Ulania Dashmina (Bridge) Barisal /Patuakhali /Dashmina 22.194404, 90.488673	No	No	do	do
29	Taltali (Choto Bogi Bazar Sluice gate) Barisal / Borguna /Amtali 22.061228, 90.115019	No	No	do	do
30	Maya Bridge , Barisal /Bhola / Charfasson 22.140095, 90.649457	No	No	do	do
31	Char Montaz Sluij Bazar, Barisal /Patuakhali /Galachipa, 21.908484, 90.513766	No	No	do	do
32	Kolapara (Bridge) Barisal /Patuakhali /Kalapara 22.022793, 90.269884	No	No	do	do
33	Patharghata Badurtala Bridge, Barisal /Borguna /Patharghata 22.049267, 89.975981	No	No	do	do
34	Kuakata (Alipur Bridge) Barisal /Patuakhali /Kalapara , 21.856134, 90.1252	No	No	do	do
35	Rayenda (Bridge) Khulna /Bagerhat /Sarankhola 22.316063, 89.848605	No	No	do	do
36	Nalian Coast Guard Office, Khulna /Dacope 22.459873, 89.435282	No	No	do	do
37	Paikgacha-Koyra (Bridge) Khulna /Koyra 22.457554, 89.284578	No	No	do	do
38	Gabura Hat Bridge, Khulna /Satkhira /Shyamnagar /Burigoalini /Gabura 22.288626, 89.273739	No	No	do	do

Sl. No.	Location of 40 Automated Weather station, Division/District /Upazila with Latitude / Longitude	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
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39	Vetkhali Bazar Port (Bridge) Khulna /Satkhira /Shyamnagar /Kaikhali /Kaikhali 22.235776, 89.087488	No	No	do	do
40	Dublar Char (Forest) Khulna /Bagerhat /Mongla 21.730851, 89.601642	No	No	do	do

Coastal Monitoring Stations shall be placed in a suitable position with existing bridge and jetty structure where ever possible and the final point of installation will be fixed upon discussion and approval of Client.

