

Environmental Assessment Report

Bangladesh Weather and Climate Services Regional Project

BWCSR

**Bangladesh Meteorological Department (BMD)
Bangladesh Water Development Board (BWDB)
Department of Agricultural Extension (DAE)**

AUGUST 2020

Component- B Under package BWDB-W2

Bangladesh Weather and Climate Services Regional Project (BWCSRP)

Disclosure of Environmental Impact Screening for Supply and Installation for 276 Nos of Automatic Ground Water Station at 69 selected sites of Component- B Under package BWDB-W2

The Government of Bangladesh is implementing the Bangladesh 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-W2 includes Supply and installation of 69 New Ground Water nested well stations in coastal region and hotspot areas including Dhaka. Each site will have installation of 4 tube wells at different depths. There will be in total $69 \times 4 = 276$ tube well. The environmental impact screening for the Package no. BWDB-W2 have been prepared.

The 69 ground water stations have been selected within BWDB office premises spread all over the country. Different alternative sites were explored for selecting the most suitable sites for the above installation taking into account of the concerned environmental issues. It was observed from the screening that the installations will have no negative impact on environmental components. No big tree will be affected for these installations but might involve stripping of petty amount of vegetation during installations which will be regenerated within a short period of time after installations. Minimum health and safety issues may arise during installation of tube wells, for which mitigation measure have been incorporated in the bid document. However, if any environmental impact is observed during implementation, necessary mitigation measures will be taken as per EMF of the project. On the other hand information that will be collected from these installations will help provide real time status of groundwater table to avoid over withdrawal of groundwater & mining. Ground water quality data of different parameters will also be available from these stations. Thus these installations will contribute to overall positive impact in terms of sustainable management of the groundwater the country.

This disclosure contains an environmental impact screening checklist along with an assessment of environmental impact for supply and installation of 69 New Ground Water (nested) well stations under package BWDB-W2

Environmental Impact Screening Checklist for 69 New Automatic Ground Water (nested) Well Station under package BWDB-W2 (Assessment of each selected site attached)

Package no: BWDB-W2

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					✓

* Information will be collected from these installations that will help provide real time water table data, status of gr. Water & gr. Water quality. Thus this will have positive impact on the Project

**There will be no adverse environmental impact

Assessment of Installation of Automatic new Ground Water (nested) Well
Station under package BWDB-W2
(Ground Water well-69 selected sites)

Sl. No.	Location of Well Stations District/Upazila/BWDB premises with Longitude/Latitude	Whether the intervention fall in environment ally sensitive areas	Whether the installation have any impact on environmen t	Whether the intervention has impact on health and safety of human	Remarks
1	2	3	4	5	6
1	Bagherhat, Rayenda Rayenda O & M Sub-Division BWDB 793491.0000/2470544.0000	No	No	Minor (During installation)	Measures have been incorporat ed in bid- document to mitigate these minor safety hazards
2	Barisal, Gournadi Gournadi O & M Sub-Division BWDB 215378.0000/2542655.0000	No	No	do	do
3	Bhola, BholaSadar BIP BWDB Colony BWDB compound 259522.0000/2509254.0000	No	No	do	do
4	Bogra, BograSadar Bogra O & M Division,BWDB Compound 739335.0000/2752762.0000	No	No	do	do
5	Bogra, Sariakandi Sariakandi O & M Sub- Division,BWDB Compound 759439.0000/2754691.0000	No	No	do	do
6	Brahamanbaria / BrahamanbriaSadar Brahmanbaria O & M Divison, BWDB Compound 307743.0000/2653128.0000	No	No	do	do
7	Chandpur, Chandpur Sadar MDIP Colony, Mothkhola, BWDB Compound 263448.0000/257264.0000	No	No	do	do
8	Chapai Nawabganj, Chapai Nawabganj Sadar Chapai Nawabganj O & M Division, BWDB Compound 629725.0000/2721342.0000	No	No	do	do
9	ChapaiNawabganj,Gomostapur Rohanpur BWDB Colony	No	No	do	do

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1	2	3	4	5	6
	633832.5230/274558.4640				
10	Chattogram, Hathazari Hathazari O & M Sub-Divison, BWDB Compound 377402.0000/2487751.0000	No	No	do	do
11	Chattogram, Sandwip Sandwip O & M Sub-Divison, BWDB Compound 348209.0000/2488684.0000	No	No	do	do
12	Chuadanga, ChuadangaSadar Chuadanga O & M Division,BWDB Compound 688664.0000/2625656.0000	No	No	do	do
13	Comilla, ComillaSadar Comilla GW Sub-Division, BWDB Compound 313862.0000/2594366.0000	No	No	do	do
14	Cox's Bazar, Badarkhali Badarkhali O & M Sub-Divison, BWDB Compound 391371.0000/2402537.0000	No	No	do	do
15	Dhaka, Banani Banani BWDB Colony 236318.0000/2633233.0000	No	No	do	do
16	Dhaka, Goranchatbari Goranchatbari Pump Station Compound 229121.0000/2638665.0000	No	No	do	do
17	Dhaka, Green Road Green Road BWDB Hydrology Compound 229121.0000/2638665.0000	No	No	do	do
18	Dhaka, Jatrabari Jatrabari BWDB Colony 238609.0000/2624055.0000	No	No	do	do
19	Dhaka, WAPDA building, Motijheel WAPDA Building BWDB Compound 237219.050/2625984.9600	No	No	do	do
20	Dinajpur, DinajpurSadar Dinajpur O & M division, BWDB Compound 663630.000/2833828.0000	No	No	do	do
21	Faridpur, Bhanga Bhanga O & M Section Office,BWDB Compound 804047.000/2589601.0000	No	No	do	do
22	Faridpur, FaridpurSadar	No	No	do	do

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	Faridpur Hydrology Section Office, BWDB Compound 788773.000/2612560.0000				
23	Feni, FeniSadar Feni O & M Sub-Divison, BWDB office 334331.000/2545419.0000	No	No	do	do
24	Gaibandha GaibandhaSadar Gaibandha O & M Division,BWDB compound 755647.710/2803722.38000	No	No	do	do
25	Gopalganj GopalganjSadar Gopalganj O & M Division,BWDB Compound 789524.000/2546537.0000	No	No	do	do
26	Habiganj, HabiganjSadar Habiganj O & M Division,BWDB Compound 339977.000/2694729.0000	No	No	do	do
27	Jamalpur, JamalpurSadar Jamalpur O & M Division,BWDB Compound 798193.000/2758459.0000	No	No	do	do
28	Jessore, JessoreSadar Jessore O & M Division, BWDB Compound 725498.000/2563709.0000	No	No	do	do
29	Joypurhat, Joypurhat Joypurhat O & M Division, BWDB Compound 706131.000/2727191.0000	No	No	do	do
30	Khulna, Dumuria Dumuria O & M Sub-Division,BWDB Compound 747841.000/2524434.000	No	No	do	do
31	Khulna, Paikgacha Paikgacha O & M Sub-Division, BWDB Compound 747841.000/2524434.0000	No	No	do	do
32	Kishoreganj, KishoreganjSadar Kishoreganj WD Division,BWDB Compound 273920.000/2705359.0000	No	No	do	do
33	Kurigram, KurigramSadar Kurigram O & M Division,BWDB Compound	No	No	do	do

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	763735.000/2857269.0000				
34	Kushtia, Amla, Mirpur Amla WD Division Rest House 696197.000/2645180.0000	No	No	do	do
35	Kushtia, Baradi,KushtiaSadar Baradi Training Center Campus,Kushtia 714328.000/2646589.0000	No	No	do	do
36	Madaripur, MadaripurSadar Madaripur O & M Division, BWDB Compound 213395.000/2564545.0000	No	No	do	do
37	Magura, MaguraSadar Magura O & M Sub-Division,BWDB Compound 747991.000/2599692.0000	No	No	do	do
38	Manikganj, ManikganjSadar Manikganj WD Division, BWDB Compound 194576.000/2599692.0000	No	No	do	do
39	Moulvibazar, MoulvibazarSadar Moulvibazar O & M Division,BWDB Compound 375577.000/2707293.0000	No	No	do	do
40	Munshiganj, Sreenagar BWDB Training Institute Compound,Bhagyakul 216098.000/2603020.0000	No	No	do	do
41	Mymensingh, MymensinghSadar Mymensingh Hydrological Sub-Division,BWDB Compound 236475.000/2741524.0000	No	No	do	do
42	Naogaon, Naogaonsadar Naogaon O & M Division, BWDB Compound 698350.000/2744532.0000	No	No	do	do
43	Narail, NarailSadar Narail O & M Division, BWDB Compound 755853.000/2564245.0000	No	No	do	do
44	Narayanganj, Rupganj Rupganj (Water Conservancy Project Pump House) O & M Sub-Division Compound 252130.340/2644849.5600	No	No	do	do
45	Narayanganj, Narayanganjsadar Dredger Directorate MechBuilding,Narayngonj, BWDB	No	No	do	do

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	Compound 246294.000/2615659.0000				
46	Narayanganj, Shimrail Dhaka Mech Pump House ,DND Pump Sub-Div.,BWDB Compound 246680.000/2623227.0000	No	No	do	do
47	Narsingdi , NarsingdiSadar Narshingdi O & M Division, BWDB Compound 266752.000/2646986.0000	No	No	do	do
48	Natore, NatoreSadar Natore O & M Division, BWDB Compound 700133.000/2701017.0000	No	No	do	do
49	Nilphamary, Dalia Dalia O & M Division, BWDB Compound 703295.000/2894789.000	No	No	do	do
50	Nilphamary, Sayedpur Sayedpur O & M Division ,BWDB Compound 691920.000/2852725.0000	No	No	do	do
51	Noakhali, CharMojid CharMojidJobayerMiar Hat CDSP Office 308403.000/2497691.0000	No	No	do	do
52	Noakhali, Hatiya Hatiya O & M Sub-Divison, BWDB Compound 307670.000/2456041.0000	No	No	do	do
53	Pabna, PabnaSadar Pabna O & M Division,BWDB Compound 726359.000/2656827.0000	No	No	do	do
54	Panchgarh, PanchgarhSadar Panchgar O & M Division, BWDB compound 655182.000/2914193.0000	No	No	do	do
55	Panchgarh, Tetulia Tetulia O & M Sub Division, BWDB compound 633543.000/2931682.0000	No	No	do	do
56	Patuakhali, Kuakata Kuakata BWDB Rest House Compound 202473.000/2415233.0000	No	No	do	do
57	Patuakhali, PatuakhaliSadar Patuakhali O & M Division,BWDB	No	No	do	do

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	Compound 224510.000/2475125.0000				
58	Pirojpur, PirojpurSadar Pirojpur O & M Division,BWDB Compound 804784.000/2500352.0000	No	No	do	do
59	Rajbari, RajbariSadar Rajbari O & M Division,BWDB Compound 769153.000/2630224.0000	No	No	do	do
60	Rajshahi, RajshahiSadar Rajshahi O & M Division, BWDB Compound 662580.000/2697143.0000	No	No	do	do
61	Rangpur, Rangpur Sadar Rangpur O &M Division,BWDB Compound 727810.000/2847842.0000	No	No	do	do
62	Satkhira, SatkhiraSadar Satkhira O & M Division,BWDB Compound 712491.000/2512521.0000	No	No	do	do
63	Sirajganj, Ullapara Ullapara O & M Sub-Division,BWDB Compound 760041.870/2692044.9700	No	No	do	do
64	Sunamganj, Derai Derai O & M Sub-Division, BWDB Compound 333492.000/2743658.0000	No	No	do	do
65	Sherpur, SherpurSadar Sherpur O & Sub-Division BWDB Colony 198873.000/2769460.0000	No	No	do	do
66	Sylhet, Sylhet Sadar Sylhet O & M Sub-Division, BWDB Compound 386738.000/2753420.0000	No	No	do	do
67	Sylhet, Zakiganj Zakiganj O & M Sub-Division, BWDB Compound 435980.000/2751314.000	No	No	do	do
68	Tangail, TangailSadar Tangail O & M Division,BWDB Compound 796675.000/2685825.0000	No	No	do	do
69	Thakurgaon, ThakurgaonSadar Thakurgaon O & M Division, BWDB	No	No	do	do

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	Compound 646562.000/2879214.0000				