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Memorandum of Understanding (MoU)

Between



Bangladesh Water Development Board, (BWDB)



LGED

Local Government Engineering Department, (LGED)

December 2021

“দেশপ্রেমের শপথ নিন, দুর্নীতিকে বিদায় দিন”



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Memorandum of Understanding (hereinafter referred to as the MoU)

Dated22/12/2021..

Between

Bangladesh Water Development Board, BWDB (hereinafter referred to as the 1st party)

Ministry of Water Resources, Government of the People's Republic of Bangladesh

And

Local Government Engineering Department, LGED (hereinafter referred to as the 2nd party)

Ministry of Local Government, Rural Development and Cooperatives,
Government of the People's Republic of Bangladesh

For cooperation in

Bangladesh Weather and Climate Services Regional Project(BWCSR),ComponentB:
Strengthening Hydrological Information Services and Early Warning Systems (SHEWS).

The Parties mentioned above hereby agree to sign this MoU for cooperation, jointly understood as the "Parties".

PREAMBLE:

- A. Whereas, the lead institution (or the 1st party) wishes to collaborate in carrying out the installation of monitoring instruments relating to the capacity building Project. The lead institution wishes to enter into this MoU to define the scope of the task;
- B. B Whereas, the collaborating institution (or the 2nd party) will support to implement project activities i.e. installation of hydrological monitoring stations smoothly within the premise of it's property.

Now, therefore, the parties agree with the following terms and conditions:



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Article 1- Definitions and Interpretation

The following terms shall have the following meanings:

- i. "Contract Period" means MoU period and is from June 2021 to open end.
- ii. "Information" includes all confidential information of whatever kind or nature which one party discloses to the other in writing.
- iii. "Results" shall mean all tangible and intangible items such as technical information, materials and reports of collaboration created during the term of this MoU as a direct result of and in the performance of the Project.
- iv. "Liability" means any liability by reason of any representation, warranty or any breach of any implied term or any duty at common law, or under any statute, or under an express term of this MoU;
- v. "The Research Project" means the joint research and development work to be carried out pursuant to this MoU under the direction of the project Leader.

Article 2- Execution of the Project

- 2.1 The Lead Institution shall make reasonable endeavors to work with the partner to ensure the successful completion of the Project in accordance with the terms and conditions of this MoU.
- 2.2 The Collaborating Institution shall carry out the tasks and contribute the resources and facilities allotted to or required of them as set out in the Project. The tasks are listed as follows:
 - i. The Collaborating Institution will provide permission and space for the installation of surface water monitoring stations hanging from the bridge maintaining by the Partner institution.
 - ii. The Collaborating institution will provide a formal authorization to the lead institution to access and use the bridge. Once the MoU is signed lead institution will have the right to access the bridges as and when required.
 - iii. The Lead Institution however is not authorized to undertake any structural change of any component of the bridge.
 - iv. No installation should be carried out on the End Block of PSC Girder or Mid span of RCC Girder or any other sensitive structural parts of the Bridge.
 - v. Any other specific needs determined through mutual discussions.



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Article 3- Reporting

- 3.1 The Lead Institution will prepare and submit such reports on the Project as are required;
- 3.2 The Collaborating Institution will supply the Lead Institution with all relevant data, information etc. in a timely manner needed to fulfill the reporting requirements of the Project.
- 3.3 The Collaborating institution will notify the lead institution of any defects on the bridges and any other issues that could impact the measuring activity. The lead institution should be aware and vigilant for the issues.
- 3.4 Lead institution will share a report to Collaborating Institution in every fiscal year containing the various data gathered from the station. In this regard, Government guidelines will be followed.

Article 4- Costs and Billings

- 4.1 In Consideration of the contribution by the Partner of the Project work, subject to article2, the lead Institution will pay all costs in completing the task.

Article 5- Confidentiality

- 5.1 Each party shall treat information disclosed to it by the other party as confidential and shall not, except with the prior written consent of the disclosing party, disclose the same to any third party. All available reports and information published by both parties will be shared.

Article 6- Focal Points

- 6.1 For the purposes of implementing this project partnership, the points of contract for the Lead Institution and Partner Institution will be as follows:

Lead Institution: Bangladesh Water Development Board (BWDB)

Project Director

Bangladesh Weather and Climate Services Regional Project

(BWCSR) Component B: SHEWS

Hydrology Compound, Bangladesh Water Development Board 72, Green Road,
Dhaka 1205

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Collaborating Institution:

Local Government Engineering Department (LGED)
Government of the People's Republic of Bangladesh

Article 7- Liabilities

7.1 Responsibilities of BWDB (Lead Institution), the 1st party are:

- 7.1.1 The 1st party will install 280 Automatic Water Level Stations (hereinafter referred to as AWLs), in different bridges, barrages and sluices in different areas of Bangladesh, and 20 Coastal Monitoring Stations (CMs), in different bridges of coastal areas. Among these stations, 74 AWLs and 5 CMs are proposed to be installed in the bridges under LGED. The list of selected bridges is provided in Annexure 1 along with the photographs of similar installations. Radar sensors, Data loggers along with battery and other accessories and the Solar Panel will be installed on a compact light weight platform fixed with the bridge outside the Railing and careenage way of the bridge. These installations will not cause obstruction/disruption to any pedestrian or vehicle movement on the bridge.
- 7.1.2 The 1st party will install the above mentioned 74 AWLs and 5 CMs on bridge structures which are under the authority of the 2nd party. The partner institution will accept that contractors/consultants affiliated with the lead institution will be working on the bridges and partner institution will accord them the necessary support. In addition, the support of the partner institution may be required during stakeholder consultations, and environmental screening exercises, and other field visits.
- 7.1.3 The devices will be installed by the 1st party without obstructing the normal vehicle movement complying with proper safety measures.
- 7.1.4 If in case any damage occurs to bridge structures caused by the lead institution or its contractor/consultant due to its activity, the 1st party will repair it at their own cost under the supervision of 2nd party. There will be no financial involvement of the 2nd party. The 1st party in advance will inform briefly the type of installation activities that will be done on LGED's infrastructure i.e. civil activities such as welding, chiseling, riveting, etc.
- 7.1.5 The 1st party is responsible for the protection of AWLs and CMs from theft, bad weather or whatever calamity may arise.
- 7.1.6 The 1st party will mount the devices in such a manner that they will not cause any obstruction to the periodic maintenance work of the structures conducted by the 2nd party.
- 7.1.7 The 1st party is responsible for ensuring the collection and continuous supply of reliable and timely data by inspecting and monitoring the hydrometric stations at a specific time interval.

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7.1.8 All sorts of costs regard to damage, repair, replacement, and maintenance of the devices will be borne by the 1st party.

7.2 Responsibility of LGED (Collaborating Institution), the 2nd party is:

- 7.2.1 The 2nd party will support the implementation of the 1st party's program by giving timely approvals, toll free access to superstructure and pier of bridge for the installation, operation and maintenance of AWLs and CMs
- 7.2.2 The 2nd party will ensure that, basic working of the sensor or any other component of the devices is not disturbed or damaged during the repair or maintenance work of bridge structures.
- 7.2.3 The 2nd party will allow the 1st party to access the device locations for the periodic supervision and maintenance with proper safety norms after installation with proper permissions.
- 7.2.4 If in case an old bridge is abandoned and a new bridge is built alongside the old bridge, the 2nd party will allow the 1st party to install hydrometric stations on the new bridge.
- 7.2.5 Local Government Engineering Department will not be responsible for any accident, illness, loss or damage experienced by the Lead Institution or third parties which may occur during the implementation of the work plan and/or Project. It is the responsibility of the Lead Institution to take out all appropriate insurance to cover the risks mentioned in the preceding sentence.

Article 8 – EFFECTIVENESS:

This MoU shall take effect from the date of its signing and shall remain effective to an open end.

Article 9 – AMENDMENT:

The MoU may be amended from time to time as and when necessary upon mutual agreement by both the parties.

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Article 10 – SETTLEMENT OF DISPUTE:


Any dispute or difference of opinion between the parties concerning this Memorandum of Understanding shall be settled amicably through mutual consultation and/or negotiations between the parties.

IN WITNESS WHEREOF, the parties hereto have affixed their signature on the date first written above.

Bangladesh Water Development Board
(BWDB)
Represented by


Local Government Engineering Department
(LGED)
Represented by

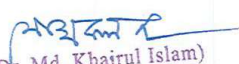

(F. A. Rashid Khan)
Director General
BWDB, Dhaka.



Chief Engineer
Md. Abdur Rashid Khan
Chief Engineer
Local Govt. Engineering Department
Govt. of The People's Republic of Bangladesh

Witnesses

1. 
(Mashur Rahman)
Project Director
BWCSR Component-B: SHEWS
BWDB, Dhaka

2. 
Md. Shah Alamgir
Superintending Engineer
(Bridge Design)
LGED Head Quarter, Dhaka

3. 
(Dr. Md. Khairul Islam)
Chief Staff Officer to DG
Office of the DG
BWDB, Dhaka.

4. 
তাপস চৌধুরী
নির্বাহী প্রকৌশলী (সেতু ডিজাইন)
সেতু ডিজাইন শাখা, ডিআইন ইউনিট
স্থানীয় সরকার প্রকৌশল অধিদপ্তর
এলজিইডি সদর দপ্তর, ঢাকা।

“দেশপ্রেমের শপথ নিন, দুর্নীতিকে বিদায় দিন”

ANNEXURE 1

AUTOMATIC WATER LEVEL STATIONS

1. The sensor and its accessories should be protected from theft. The bidder is encouraged for minor modifications in installation of sensor and its accessories so as to minimize the chances of theft. Mortise lock is proposed to avoid theft. Due care must be taken while modifying the installations. In no case the basic principle and working of sensor is allowed to disturb.
2. Radar sensors should be mounted in such a way that they have a direct vertical shot to the water surface with no obstruction of their beams. Beam spread must be determined based on manufacturer's specification and the maximum expected distance to be measured at low flows. Consideration should be made in designing the mounting structure to allow for easy access to the instrument for maintenance
3. Framework support to attach Radar sensor to Bridge Tower:-
4. Framework support made of fabrication of M.S. with gusset plate 8mm thick (0.85m x 0.3m) including welding, riveting, anticorrosive paint, colour etc. complete as per Fig provided below.
5. The approximate weight of all the equipment like sensor, solar panel, battery, panel box with enclosure including seating platform will be in the range from 60 kg to 80 kg.

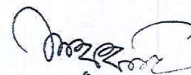
Typical Drawing of support frame for downlooking RADAR for bridge mounted AWLG and some sample photographs of the Installations are provided below.



List of Coastal Monitoring Stations to be installed in the Bridges under LGED

Sl. No	Station Name	Latitude	Longitude	Type	Structure Authority	Division/ District/ Upazila /Union/ Mouza	Road Code & Chainage (m)
11	Shamlapur (Monkhali Bridge)	21.084177	92.131857	Bridge	LGED	Chittagong /Cox's Bazar /Teknaf /Baharchhara /Shilkhali	422942001 Ch. 31420m
13	Banshkhali (Jolkadar Canal Bridge)	21.960832	91.933827	Bridge	LGED	Chittagong /Chittagong /Banskhali /Chambal /Chittagong	415083009 Ch. 2400m
23	Khunjerhat Bridge	22.488698	90.708094	Bridge	LGED	Barisal /Bhola /Burhanuddin / Kutba / Kutba	509212001 Ch. 2000m
26	Hatiya (Char Chenga to Noakhali Sea Track Bridge)	22.229696	91.071258	Bridge	LGED	Chittagong /Noakhali /Hatiya /Sonadia /Chengar Char	475362005 Ch. 8500m
30	Maya Bridge	22.140095	90.649457	Bridge	LGED	Barisal /Bhola / Charfasson / Char Kalmi/ Char Maya	509252009 Ch. 18250m

(Note: The location & number of Automatic Water Level Stations and Coastal monitoring Stations may change during execution/installation)


List of Bridge for Local Government Engineering Department (LGED)


Sr_No	Zone Name	DIST NAME	UPAZILA NAME	UNION NAME	MOUZA NAME	Dy. (BWDP)	Installed	Station Name	River Name	Latitude	Longitude	Distance	Present Status	Structure (Authority)	Proposed Status	Present Status
1	South Western	BAJSHIRAT	Mohabhat	Chunibhola	Singul	SWMD	BWDP	106, Aharaboli	42, GangesMadhumati Bariswar	22.984157	89.781201	2.2 Km	Manual Active	Bridge	Bridge	Active
2	South Western	BAGERHAT	Sankeshbala	Borofra	Royenda	SWMD	BWDP	Barish war	Barish war	22.315613	89.855246	0 km	AWIS Active	Bridge	Bridge	Active
3	South Western	BANERJATI	Lama	Lama	Darundi	SEMD	SWMD	203 Lema	78 Matamanduri	22.177403	92.355664	0 km	Manual Active	Bridge	Bridge	Active
4	South Western	BANGURA	Padaripata	Betagi	Betagi	SWMD	BWDP	37.5, Betagi	18, Bishali	22.417142	90.464642	112m	Manual Active	Bridge	Bridge	Active
5	Southern	BANGURA	Padaripata	Betagi	Betagi	SWMD	BWDP	37.5, Padoripata	35, Padoripata	22.013271	90.464642	76m	Manual Active	Bridge	Bridge	Active
6	South Western	BARAL	Bargajuli	Pourasabadda	Barabadda	SWMD	BWDP	18.1, Barabadda	10, Baral Bariswar	22.541151	90.434911	825m	Manual Active	Bridge	Bridge	Active
7	South Western	BARAL	Bargajuli	Chandibi	Chandibi	SWMD	BWDP	18.1, Barabadda	76, Chandra	22.511111	90.452359	0 km	Doesn't Exist	Bridge	Bridge	Inactive
8	South Western	BARAL	Bargajuli	Chandibi	Chandibi	SWMD	BWDP	18.1, Barabadda	10, Baral Bariswar	22.541151	90.434911	825m	Manual Active	Bridge	Bridge	Active
9	Southern	BARAL	Bargajuli	Bire Jilia	Bire Jilia	SWMD	BWDP	128, Chandra	128, Chandra	90.452359	90.452359	1.33 Km	Manual Active	Bridge	Bridge	Active
10	Southern	BARAL	Bargajuli	Bire Jilia	Bire Jilia	SWMD	BWDP	128, Chandra	128, Chandra	90.452359	90.452359	1.33 Km	Manual Active	Bridge	Bridge	Active
11	North Western	BHOLA	Durashan	Bhabanipur	Bhabanipur	SWMD	BWDP	278, Durashan	102, Surma Meghna	22.890201	90.750933	0.3 Km	Manual Active	Sluice Gate	Bridge	Active
12	North Western	BHOLA	Khalone	Durgapur	Durgapur	NMD	BWDP	315, Durgapur	120, Nagar	24.825565	89.180608	0 km	Manual Active	Bridge	Bridge	Active
13	North Western	BHOLA	Khalone	Dhunkul	Dhunkul	NMD	BWDP	315, Durgapur	134, Old Bangali	24.866544	89.180608	0 km	Doesn't Exist	Bridge	Bridge	Active
14	North Western	BHOLA	Khalone	Dhunkul	Dhunkul	NMD	BWDP	315, Durgapur	134, Old Bangali	24.866544	89.180608	0 km	Doesn't Exist	Bridge	Bridge	Active
15	Eastern	BHARANAGARA	Baranabasha Sader	Pourasabadda	Zoyager	SEMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
16	South Western	BHARANAGARA	Baranabasha Sader	Pourasabadda	Zoyager	SEMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
17	South Western	CHITTAGONG	Chandibi	Chandibi	Chandibi	SWMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
18	South Western	CHITTAGONG	Chandibi	Chandibi	Chandibi	SWMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
19	Western	CHITTAGONG	Chandibi	Chandibi	Chandibi	SWMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
20	Western	CHITTAGONG	Chandibi	Chandibi	Chandibi	SWMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
21	Eastern	COMILA	Debarwar	Pourasabadda	Zoyager	SEMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
22	Eastern	COMILA	Debarwar	Pourasabadda	Zoyager	SEMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
23	Eastern	COMILA	Debarwar	Pourasabadda	Zoyager	SEMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
24	Eastern	COMILA	Debarwar	Pourasabadda	Zoyager	SEMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
25	Eastern	COMILA	Debarwar	Pourasabadda	Zoyager	SEMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
26	Western	DMARPUR	Bhargajuli	Bhargajuli	Bhargajuli	SWMD	BWDP	340, Bhargajuli	340, Bhargajuli	88.495923	88.495923	0 km	Manual Active	Bridge	Bridge	Active
27	Western	DMARPUR	Bhargajuli	Bhargajuli	Bhargajuli	SWMD	BWDP	340, Bhargajuli	340, Bhargajuli	88.495923	88.495923	0 km	Manual Active	Bridge	Bridge	Active
28	Western	DMARPUR	Bhargajuli	Bhargajuli	Bhargajuli	SWMD	BWDP	340, Bhargajuli	340, Bhargajuli	88.495923	88.495923	0 km	Manual Active	Bridge	Bridge	Active
29	Western	DMARPUR	Bhargajuli	Bhargajuli	Bhargajuli	SWMD	BWDP	340, Bhargajuli	340, Bhargajuli	88.495923	88.495923	0 km	Manual Active	Bridge	Bridge	Active
30	Western	DMARPUR	Bhargajuli	Bhargajuli	Bhargajuli	SWMD	BWDP	340, Bhargajuli	340, Bhargajuli	88.495923	88.495923	0 km	Manual Active	Bridge	Bridge	Active
31	Central	JAMALPUR	Jewerganj	Bahadurabad	Madaripur Chir	NEMD	BWDP	22, Bahadurabad	22, Bahadurabad	89.702915	89.702915	3 km	Doesn't Exist	No Structure	Seasonal Violation	Active
32	South Western	JESSORE	Changchacha	Khalimpur	Talpur	SWMD	BWDP	161, Talpur	62, Wobadak	89.032391	89.032391	0 km	Manual Active	Bridge	Bridge	Active
33	South Western	JESSORE	Changchacha	Khalimpur	Talpur	SWMD	BWDP	161, Talpur	62, Wobadak	89.032391	89.032391	0 km	Manual Active	Bridge	Bridge	Active
34	South Western	JESSORE	Changchacha	Khalimpur	Talpur	SWMD	BWDP	161, Talpur	62, Wobadak	89.032391	89.032391	0 km	Manual Active	Bridge	Bridge	Active
35	South Western	JESSORE	Changchacha	Khalimpur	Talpur	SWMD	BWDP	161, Talpur	62, Wobadak	89.032391	89.032391	0 km	Manual Active	Bridge	Bridge	Active
36	Western	JAMALPUR	Chandibi	Chandibi	Chandibi	SWMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
37	Western	JAMALPUR	Chandibi	Chandibi	Chandibi	SWMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
38	Western	JAMALPUR	Chandibi	Chandibi	Chandibi	SWMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
39	Western	JAMALPUR	Chandibi	Chandibi	Chandibi	SWMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
40	Western	JAMALPUR	Chandibi	Chandibi	Chandibi	SWMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
41	Western	JAMALPUR	Chandibi	Chandibi	Chandibi	SWMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
42	Western	JAMALPUR	Chandibi	Chandibi	Chandibi	SWMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
43	North Western	MAHESHWARA	Baranabasha Sader	Pourasabadda	Zoyager	SEMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
44	North Western	MAHESHWARA	Baranabasha Sader	Pourasabadda	Zoyager	SEMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
45	South Western	NARAIL	Baral Sader	Baral Sader	Baral Sader	SWMD	BWDP	297, Ghoshmanghat	108, Tishah	23.955018	90.847911	89 m	Manual Active	Bridge	Bridge	Active
46	Central	NARAYANGANJ	Juggaj	Koyla Para	Koyla Para	NEMD	BWDP	75, Darna	75, Darna	23.232950	90.496487	0 km	Manual Active	Bridge	Bridge	Active

List of Bridge for Local Government Engineering Department (LGED)

Sl. No	Zone Name	DIST NAME	UPAZILA NAME	UNION NAME	MOUZA NAME	Div. (BWDB)	Installed	Station Name	River Name	Latitude	Longitude	Distance	Present Status	Location	Structure (Authority)	Proposed Status	Present Status
47	North Western	NETROKHA	Barisal	Pourasabha	148 Chanchal	NMD	BWDB	148 Chanchal	57 Gouradanga	24.37180	89.25231	315 m	Manual Active	Bridge	LGED	Radar	Active
48	Central	NETROKHA	Alga	Bangla	311, Alga	NMD	BWDB	311, Alga	119, Moga	24.00317	90.66875	0 km	Doesn't Exist	Bridge	LGED	Radar	Permanent structure (bridge) exists.
49	Central	NETROKHA	Madan	Faishpur	355 Dokhin Hossainpur	NMD	BWDB	355 Dokhin Hossainpur	119 Moga (Bhona)	24.03251	90.55583		Doesn't Exist	Bridge	LGED	Radar	Permanent structure (bridge) exists.
50	Central	NETROKHA	Mohanganj	Pourasabha	361 Mohanganj	NMD	BWDB	361 Mohanganj	17 Bhagat Kanga	24.07332	90.75737	500 m	Manual Active	Bridge	LGED	Radar	Permanent structure (bridge) exists.
51	North Eastern	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105		Doesn't Exist	Bridge	LGED	Radar	Doesn't Exist
52	North Eastern	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
53	North Eastern	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
54	North Eastern	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
55	North Eastern	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
56	North Eastern	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
57	Western	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
58	Western	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
59	South Western	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
60	Western	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
61	Western	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
62	North Western	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
63	North Eastern	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
64	North Eastern	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
65	North Eastern	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
66	North Eastern	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
67	North Eastern	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
68	North Eastern	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
69	Central	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
70	Central	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
71	Central	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
72	Central	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
73	North Eastern	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active
74	North Eastern	NETROKHA	Barisal	Pourasabha	328 Komarpur	NMD	BWDB	328 Komarpur	Nakara	24.28166	89.80105	0 km	Manual Active	Bridge	LGED	Radar	Active

Note: The Location and number of AWLS (Automatic water level stations) may change during execution/installation.


 Tapas Chowdhury
 Executive Engineer (Bridge Design)
 Bridge Design Section, Design Unit
 Local Government Engineering Department
 LGED HQ, Dhaka, Bangladesh


 (Mashiur Rahman)
 Project Director
 BWCSR Component-B: SHEWS
 BWDB, Dhaka