



MONTHLY PROGRESS REPORT SEPTEMBER 2024

Government of the People's Republic of Bangladesh
Ministry of Shipping

Bangladesh Inland Water Transport Authority
(BIWTA)

The World Bank



**Consultancy Services for Supervision and Monitoring of Performance-Based Dredging Contracts
with Maintenance Dredging and Installation and Maintenance of Navigational Aids along the
Navigational Routes under the Contract**

**Bangladesh Regional Waterway Transport Project-1
BRWTP-S1A**



Jurutera Perunding Zaaba SDN.BHD,
Malaysia (JPZ)



Demas Dredging Consultants BV,
the Netherlands (DEMAS)



JPZ Consulting Ltd,
Bangladesh (JCL)

EXECUTIVE SUMMARY

Background

The Government of Bangladesh has prioritized the development and maintenance of the Dhaka-Chittagong corridor's Class I Route, along with connected Class II and III Routes. To support this effort, the "Bangladesh Regional Waterway Transport Project-1" (BRWTP-1) has been initiated with financial assistance from the World Bank. The project consists of three major components, with Component-1 focusing on dredging and maintaining river corridors and ferry routes through performance-based contracts.

The supervision and monitoring of the project, managed by the consulting firm JPZ-DEMAS-JCL (S1A), began in December 2022. The Bangladesh Inland Water Transport Authority (BIWTA) under the Ministry of Shipping (MoS) is responsible for implementation, with the World Bank financing the activities.

The dredging works are divided into two lots:

- Lot-2: Contractor GULF-COBLA KARNAFULY JV, covering Routes 3, 4, 5, 6, 7 & 8, 9, 10, and 11.
- Lot-3: Contractor DHARTI-BANGA JV, covering Routes 12, 13, 13a, 15, 16, 17, and 21.

Progress of Contractors (September 2024)

Lot-2 Contractor

The Phase-I capital dredging period (18 months) expired on 5th June 2024, though the contractor was unable to complete the BoQ scope within the initial timeframe. The Lot-2 contractor is continuing dredging and Aid to Navigation work for Phase-I under an extended period, which is yet to be approved by the competent authority. During this reporting period, dredging was ongoing on Route 09 and Routes 7 & 8. However, no dredging activities were conducted on Routes 06 and 11 due to an embargo by the BWDB and local community issues, respectively.

A post-hydrographic survey is planned for Routes 09, 7 & 8, 11, and 06 to finalize dredged volumes and determine payments. These surveys will also serve as pre-hydrographic surveys in preparation for Phase-II capital dredging.

The Aid to Navigation work is ongoing, with 100 PC poles already installed. During this reporting period, the contractor selected sites for the installation of Lighted Buoys and Tower Beacons. However, the installation work is still pending.

The preparatory work for the commencement of Phase-II is yet to be completed which includes, but is not limited to:

- i) Submission of the completion report for Phase-I, including as-built drawings
- ii) Submission of the Phase-II work plan and resource allocation, including manpower deployment within the remaining timeframe for Phase-II,
- iii) Conducting a pre-hydrographic survey over the entire length of the contracted Lot-2 routes
- iv) Updating the C-ESMP and DDMP.

The Lot-2 contractor must expedite these tasks before commencing the next phase.

Lot-3 Contractor

The Lot-3 contractor completed Phase-I capital dredging by the 5th of June 2024 within the stipulated time.

- BoQ target volume: 1,398,600 cubic meters
- Actual dredged volume: 1,401,600 cubic meters (100% completion)

During the monsoon season, no dredging activities were conducted in September 2024. However, Lot-3 has begun preparations for Phase-II capital dredging.

- The joint pre-hydrographic survey for Phase-II for the entire length was conducted on Route 21 (Bheduria to Laharhat) between the 12th and 17th of September 2024.

The preparatory work for the commencement of Phase-II also includes, but is not limited to:

- i) Submission of the completion report for Phase-I, including as-built drawings
- ii) Submission of the Phase-II work plan and resource allocation, including manpower deployment
- iii) Conducting a pre-hydrographic survey over the entire length of the contracted Lot-3 routes
- iv) Updating the C-ESMP and DDMP.

Consultant's Activities during the Reporting Period

During the reporting period the S1A consultant performed the monitoring hydrographic surveys on Routes 06 and 11 throughout the month of September 2024 and will be continued along Route 05, Routes 7 & 8, and Route 09 under Lot-2. Monitoring hydrographic surveys were carried out between 4th and 26th September 2024 on Routes 13, 15, 16, and 21, covering various chainages under Lot-3.

Environmental Quality Assessment

Environmental monitoring was conducted for Lot 2 on Routes 09, 16, and 21 in September 2024. The data showed no significant negative impact on air quality, noise levels, or water quality.

At Lot-3 sites, despite the absence of dredging during the monsoon, monitoring revealed no notable changes in ambient environmental conditions. The S1A consultant recommended for both Lots that dredging be halted if benthic organisms are found in the dredged material to minimize environmental impact.

Field Activities and Engagement

The BRWTP-S1A experts and field staff actively monitored project activities throughout September 2024, spending 26 days on-site and holding 10 meetings with key stakeholders. Continuous engagement with local communities helped address grievances and ensured smooth project progress.

Navigational Aids

Discussions were held on the installation of navigational aids along designated routes for both Lot-2 and Lot-3. These efforts are aligned with the contracts BRWTP-W1A-02 and BRWTP-W1A-03, ensuring compliance during the reporting period.

This report provides a comprehensive overview of the project's progress, environmental and social initiatives, and ongoing efforts to ensure the successful commencement of Phase II.

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ABBREVIATION

AILA	Association of International Lighthouse Authorities
ASCII	American Standard Code for Information Interchange
BIWTA	Bangladesh Inland Water Transportation Authority
BM	Bench Mark
BRWTP	Bangladesh Regional Waterway Transport Project I
BWDB	Bangladesh Water Development Board
CD	Chart Datum
CEAP	Contractor's Environmental Action Plan
CSD	Cutter Suction Dredger
DC	District Commissioner
EIA	Environmental Impact Assessment
EMP	Environment Management Plan
ESHS	Environment, Social, Health and Safety
ESMP	Environment and Social Management Plan
GBV	Gender-Based Violence
GIS	Geographic Information System
GPS	Global Positioning System
GRC	Grievance Redress Committee
GRM	Grievance Redressal Mechanism
HSE	Health and Safety Expert
IALA	International Association of Marine Aids and Lighthouse Authorities
IBC	Idle Berthing Centre
ID	Identity
IHO	International Hydrographic Organization
IWT	Inland Water Transport
JPZ	Jurutera Perunding Zaaba
JV	Joint Venture
LAD	Least Available Depth
LLW	Lowest Low Water
MOEF	Ministry of Environment, Forest and Climate Change.
MSL	Mean Sea Level
NID	National Identity
OPBC	Output and Performance-Based Contract
PC Poles	Pre-Stressed Concrete Poles
PIU	Project Implementation Unit
RAP	Resettlement Action Plan
RCC	Reinforced Cement Concrete
RTK-GPS	Real-Time Kinematic- Global Positioning System
SOB	Survey of Bangladesh
TBM	Temporary Bench Mark
UTM	Universal Transverse Mercator
VSS	Vessel Storm Shelter
WB	World Bank
WGS	World Geodetic System

CHAPTER 01: PROJECT DESCRIPTION IN A BRIEF

1.1 Basic Information

Project Title	:	Consultancy Services for Supervision and Monitoring of Performance-Based Dredging Contracts with Maintenance Dredging and Installation and Maintenance of Navigational Aids along the Navigational Routes under the Contract
Source of Funding	:	The World Bank
Contract No.	:	BRWTP-S1A
Employer	:	Bangladesh Inland Water Transport Authority (BIWTA)
Consultant	:	JPZ-DEMAS-JCL JV
Date of signing the contract	:	21 st September 2022; Duration of Contract 66 months
Date of Commencement	:	6 th December 2022; Duration 66 months
Total Routes	:	12 (Twelve)
Phases		Phase I: 18 Months, Phase II: 12 Months, Phase III: 36 Months
Route Nos. under dredging activities	:	Lot-2: 3 & 4, 5, 6, 7 & 8, 9, 10, 11 Lot-3: 12, 13 & 13a, 15 & 16, 17, 21

LOT-2

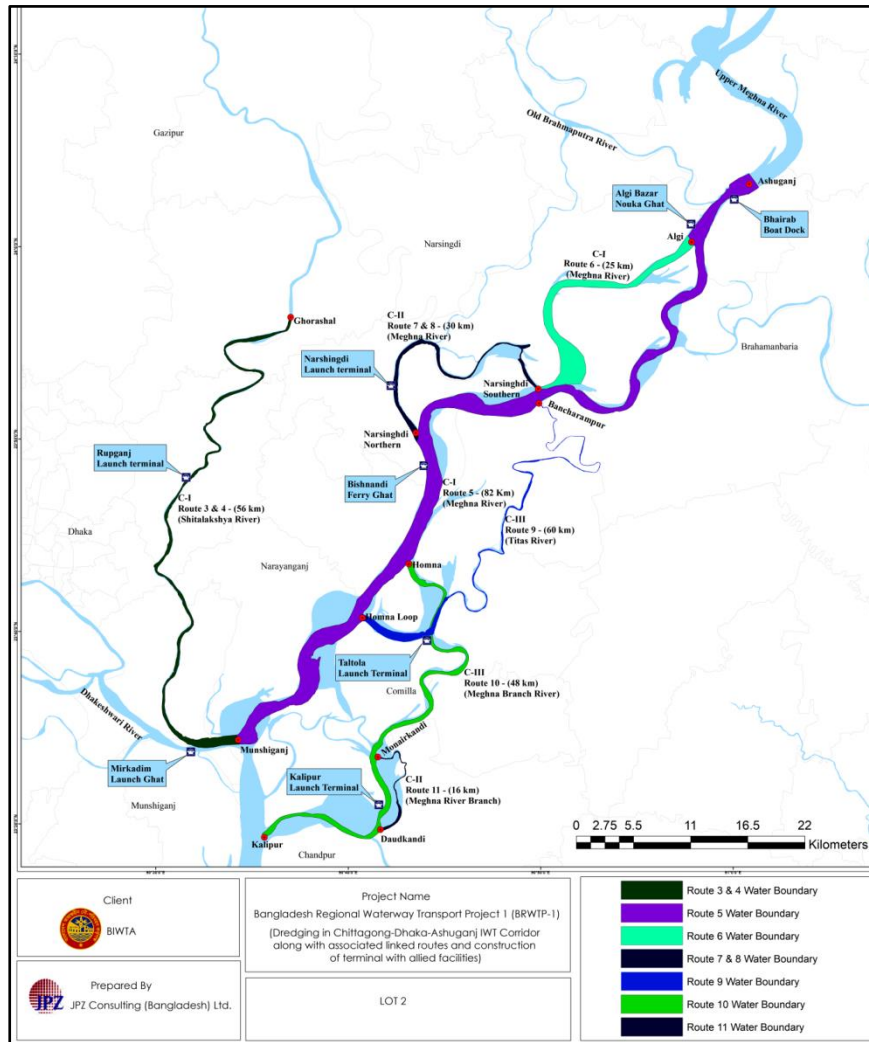


Table 1: River Routes Lot-2

Class	Route No	River/location	Length (Km)	Average width (m)	Shoal Length (km)
I	3 & 4	Shitalakshya (From Ghorashal to Munshiganj)	56	400	-
I	5	Meghna (From Ashuganj to Munshiganj)	82	1200	-
I	6	Meghna (Nabinagar Loop joining Route-5)	25	850	1.5
II	7 & 8	Meghna (Narsingdi Northern & Southern approaches)	30	450	5.8
III	9	Meghna (Bancharampur - Homna Loop)	60	180	19.5
III	10	Meghna (Hona-Doudkandi approach)	48	400	-
II	11	Gumti (Meghna loop approaching Dautkandi)	16	300	1.60
Total			317		28.40

LOT-3

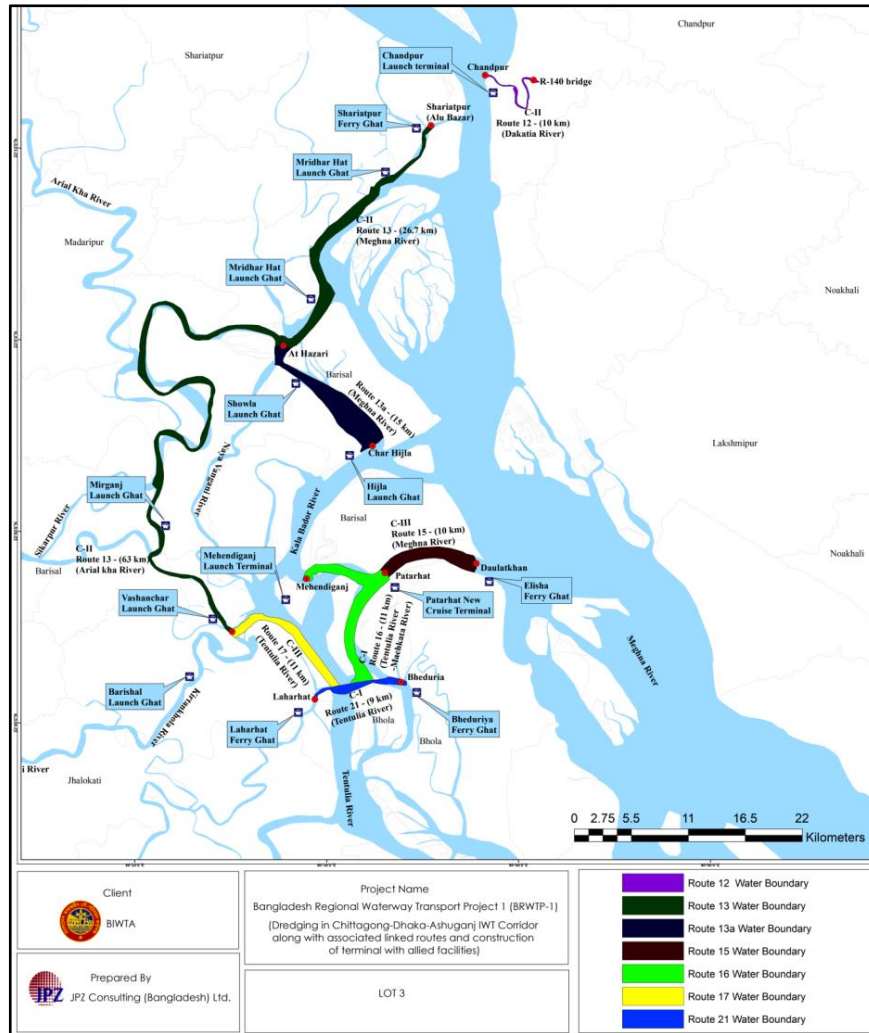


Figure 2: River Boundary, Lot-3

Table 2: River Routes Lot-3

Class	Route No	River/location	Length (Km)	Average width (m)	Shoal Length (km)
II	12	Dakatia (Chandpur to Gastola Bridge)	10	400	-
II	13	Meghna and Arial Khan (Shariatpur-Bheduria)	89.7	1200	-
II	13a	Meghna (Looping root Inside Char Hisla)	15	850	-
III	15	Meghna/ Tentulia (Patarhat-Daulatkhan)	10	450	-
I	16	Meghna/Tentulia (Mehendiganj-Bheduria)	19.6	180	2.1
III	17	Tentulia (Bheduria -Bhashanchar)	11	400	-
I	21	Tentulia (Bheduria -Laharhat)	9	300	2.3
Total			164.3		4.4

CHAPTER 02: SALIENT FEATURES & MONTHLY PROGRESS

2.1 PROGRESS OF BRWTP-S1A:

2.1.1 : Development and Maintenance Dredging Works and Monitoring Survey Records:

Lot-2:

The Phase-I capital dredging period (18 months) expired on 5th June 2024, though the contractor was unable to complete the BoQ scope within the initial timeframe. The Lot-2 contractor is continuing dredging and Aid to Navigation work for Phase-I under an extended period, which is yet to be approved by the competent authority. During this reporting period, dredging was ongoing on Route 09 and Routes 7 & 8. However, no dredging activities were conducted on Routes 06 and 11 due to an embargo by the BWDB and local community issues, respectively.

A post-hydrographic survey is planned for Routes 09, 7 & 8, 11, and 06 to finalize dredged volumes and determine payments. These surveys will also serve as pre-hydrographic surveys in preparation for Phase-II capital dredging.

The Aid to Navigation work is ongoing, with 100 PC poles already installed. During this reporting period, the contractor selected sites for the installation of Lighted Buoys and Tower Beacons. However, the installation work is still pending.

The preparatory work for the commencement of Phase-II is yet to be completed which includes, but is not limited to:

- i) Submission of the completion report for Phase-I, including as-built drawings
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- iv) Updating the C-ESMP and DDMP.

The Lot-2 contractor must expedite these tasks before commencing the next phase.

Lot-3:

The Lot-3 contractor completed Phase-I capital dredging by the 5th of June 2024 within the stipulated time.

- BoQ target volume: 1,398,600 cubic meters
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- i) Submission of the completion report for Phase-I, including as-built drawings
- ii) Submission of the Phase-II work plan and resource allocation, including manpower deployment
- iii) Conducting a pre-hydrographic survey over the entire length of the contracted Lot-3 routes
- iv) Updating the C-ESMP and DDMP.

Status Report on Navigational Aids Installation at Dredging Sites:

During this period, discussions were held on various critical issues aimed at advancing development and speeding up the installation of Aids to Navigation along the designated routes under Lot 02 and Lot 03. These discussions were under the contract agreements BRWTP-W1A-02 and BRWTP-W1A-03, with all coordination meetings attended to ensure smooth progress.

Additionally, a site visit was conducted alongside the Government Audit team to inspect all P.C. Poles installed by the Lot 02 contractor, GULF COBLA-KARNAFULY JV. This inspection formed an essential part of ensuring compliance and verifying the quality of the work completed.

2.1.2 Environmental Quality Assessment:

The S1A team reviewed the environmental data provided by the contractors' monitoring team. For this month (September 2024), monthly monitoring was conducted at Route 09 Bancharampur/Homna Loop named Salimganj under Lot-2, as well as River Routes 16 & 21 under Lot-3. The details of the sample collection locations are presented in the table below:

Table 3: Sample Collection Locations in this month (September 2024)

Month	Environmental Variables.	Lot2	Lot-3
		River Name and Sample Collection Location	River Name and Sample Collection Location
September, 2024	Ambient air quality in and around the dredging site	<ul style="list-style-type: none"> River Route-09 (Bancharampur/Homna Loop named Salimganj) 	<ul style="list-style-type: none"> River Route- 16: <i>Meghna/Tentulia</i> (Mehendiganj-Bheduria) River Route-21: <i>Tentulia</i> (Bheduria -Laharhat)
	Noise level quality assessments		
	Underwater Noise Level		
	Surface Water Quality		
	Riverbed Sediment		
	Dredged Material		
	Aquatic Fauna (Fish, Dolphin, Turtle)		

Environmental monitoring data for September 2024 indicate that the dredging work has not had any significant negative impact on any parameters. All laboratory data showed values within the standard range and close to the baseline data (Annexure V). At Lot-3 sites based on the outcomes of monitoring and observations, no notable effects on ambient air quality, ambient noise levels, water quality, sediment, or other health and safety aspects related to the project were detected. During the reporting month, these factors did not have a significant impact on the environment as there was no dredging conducted at the Lot-3 River Routes.

Dredging operations, which aim to maintain river navigability, regulate depth and flow, improve water quality, and reduce flood risks, can also impact the benthic fauna inhabiting the riverbed. Consequently, continuous monitoring of the aquatic ecosystem's primary productivity is essential to prevent any negative impacts. S1A Consultant recommended placing special emphasis on monthly assessments of environmental quality to ensure sustainable practices. Next, the dredging operation must be stopped immediately if benthos is found with the dredged material and the dredger moved to a place with no benthos. The dredger operator and other dredging personnel must be made aware of it.

2.1.3 Social and Resettlement Aspects:

Lot-2

So far, 74 disposal sites have been identified within the Lot-2 areas, of which 67 Good Faith Agreements (GFAs) have been completed following the World Bank's safeguard policy for Routes 6, 7, 8, 9, and 11. The remaining seven sites on Route 9 were newly selected and operated by the district administration of Brahmanbaria District.

In May 2024, during a meeting at the office of the Deputy Commissioner of Brahmanbaria, it was decided that the selection of dike locations would be managed by the government administration in coordination with the Project Implementation Unit (PIU), the Bangladesh Inland Water Transport Authority (BIWTA), and the Consultant, BRWTP-S1A, as necessary. The same process will be followed for Routes 6 and 7 & 8, as agreed upon by the Deputy Commissioner of Narsingdi and PIU officials. Following this decision, no further Good Faith Agreements (GFAs) will be required between BRWTP-1 and landowners for the selection of dike locations.

Accordingly, the PIU instructed the S1A consultant that, since the government administration is taking responsibility for selecting the land and purchasing the sand according to government rules and regulations effective May 2, 2024, this eliminates the requirement for a GFA, and the S1A consultant need not continue this process.

However, the S1A consultant communicated with the government administration offices, such as the Nabinagar and Bancharampur UNO offices, to collect the contract documents, but they refused to provide the signed contracts between the landowners and the government administrations. Additionally, when the S1A consultant requested the landowners to provide a copy of the contract with the government administration, they also refused. The landowners did not agree to enter into another contract, such as a GFA, with BIWTA either. The S1A consultant recommends that the PIU communicate with the government administrations to determine if these contract documents are necessary to collect.

Most of the river course in Lot 2 flows through human settlements, which means that most dike locations were chosen in agricultural areas and spaces used by the community. Only 8 percent of the site consists of fallow land or fallow ponds. Two-crop agricultural land accounts for 11 percent, while school and community property make up only 1.6 percent. The predominant land type, covering 80 percent, is single-crop agricultural land. These areas have been selected for dike placement based on the preferences and needs of the local population. The disposals are being utilized for land development and to boost agricultural production, among other purposes.

The area of fallow land/pond is 786 decimals, which accounts for 8.02 percent of the total dike areas. The area of one-crop agricultural land is 7,631 decimals, making up 80 percent of the total dike areas. The area of two-crop agricultural land is 1,012 decimals, which constitutes 11 percent of the total dike areas. School grounds and other areas cover 150 decimals, representing 1.6 percent of the total dike areas. The table below shows the Status of Dikes of Lot-2 sites up to 30th September 2024.

Table 4: Status of Dikes of Lot-2 sites up to 30th September 2024 (Total 74 Dikes)

Route No	Dike no.	Address, Quality, and Quantity of Land				Land Type	GFA/ Agreement Status	Comments
		District	Upazila	Village	Area in Decimal			
River Route 09	Dikes 66	Brahmanbaria District	Bancharampur	Joynagar, Imam Nagar, Aka Nagar, Joy Kalipur, Bisnurampur, Bahirchar	7430	Agricultural One Crop, Agricultural Two Crops, Fallow Land/Pond, School Ground and others	A total of 59 dikes were selected through the GFA process, while the remaining dikes were selected by the District Administration Authorities s	Fallow Land/Pond 8.02% Agricultural One Crop 80% Agricultural Two Crops 11% School Ground and others 1.6%
			Nabi Nagar	Barail, Nilukhi, Kadoir, Badda Dakkhin Para, Char Badda, Moddho Nagar, Bandey Bahirchar.				
River Route 07&08	Dikes 05	Narsingdi District	Narsingdi Sadar Upazila, Alokbari Union	Birgaon, Bakkhor nagar, Satpara	1446			
River Route 06	Dikes 01	Narsingdi District	Royapura Upazila	Char Modhua	290			
River Route 11	Dikes 02	Cumilla District	Daud Kandi Upazila	Notun Hasnabad	503			

Route No	Dike no.	Address, Quality, and Quantity of Land					GFA/ Agreement Status	Comments
		District	Upazila	Village	Area in Decimal	Land Type		
Total Estimation	Dikes 74	Districts 03	Upazilas 05	Villages 18	9669			

Lot-3

So far, six Lease Agreements have been established with landowners; however, these landowners have yet to receive the leased money from the Project Implementation Unit (PIU). The S1A consultant has informed the PIU to disburse these funds as soon as possible to avoid any further grievances.

The remaining 17 Good Faith Agreements (GFAs) are still pending. The reason for this is that, in most cases, people have willingly agreed to allow the use of their lands instead of entering into any formal agreement. However, they are reluctant to execute the contract because previous leaseholders have not received their lease payments. The table shows the Status of Dikes of Lot-3 sites up to 30th September 2024.

Table 5: Status of Dikes in Lot-03 sites up to 30th September, 2024 (Total 23 Dikes for Phase-I Capital Dredging):

Route No	Dike no.	Address, Quality and Quantity of Land					GFA/ Agreement Status	Comments
		District	Upazila	Village	Area in Decimal	Land Type		
River Route 21	Dikes 18	Barishal and Bhola	Mehendiganj, Sreepur	Ghagoria, Sreepur.	8332	Fallow Land and Agriculture land (One Crop)	A total of 06 GFAs are done, while 17 GFAs are yet to be completed.	About 28% Fallow Land and 72% Agriculture land (One Crop)
			Bhola Sadar	Bheduriya, Shampur.				
River Route 16	Dikes 02	Barishal	Mehendiganj,	Sadequepur, Char Mitua	2737			
River Route 13	Dikes 03	Shariatpur and Chandpur	Bhedorganj Chandpur sadar	Narshinshopur, Lokkhir char.	1420			
Total Estimation	Dikes 23	04 Districts	05 Upazilas	08 Villages	12, 489			

An important issue is that after the disposal of dredged materials, the land becomes unsuitable for cultivation, and farmers must wait 6-8 years for it to become usable again. To mitigate this, a key measure is to preserve the topsoil before disposing of the dredged material. Once disposal is complete, the preserved topsoil should be layered back on top of the dredged material. This process will significantly reduce the time needed for the land to become ready for cultivation.

2.1.3.1 Land Acquisition/Requisition/Charity for Dike Location Selection:

Information about river dredging, dredged material disposal and land-related matters is being shared with the public through consultation meetings held in local bazaars, Union Councils, villages, and schools. According to observations from the S1A expert, dike management during the first phase was not satisfactory. Lessons learned from the management of dredged material and dikes should be addressed more carefully, especially considering environmental and social aspects.

2.1.3.2 Communication and Public Consultation:

Meetings and Consultations were conducted within this period regarding the dredging with the government administrating, PIU, and local community people for solving local community problems. The social and safeguard team of S1A Consultant has communicated at the field level with local people, local administration, and local elites regularly.

2.1.3.3 Field activities, BRWTP-S1A expert (September 2024):

To monitor and supervise the field activities, BRWTP-S1A experts and field staff frequently visited sites when and where necessary. In this reporting period, preparatory work was done by both contractors. The following Tables illustrate detailed field activities at Lot 2 and Lot 3.

Table 6: Field Activity of BRWTP-S1A at Lot-2 Sites

Serial No	Date	Activity	Route name & Route number	Remarks
1.	07.09.2024	The purpose of the visit was to inspect/monitor the preparation of 33 lighted buoys and 24 lighted tower beacons for installation under Lot 2 of Contract Package BRWTP-W1A.	Karnafuly Shipyard in Narayanganj	Md. Mahmudul Hasan, a member of the superintendent committee for the installation of Aids to Navigation and Project Director, Deputy Project Director, Head of the Safeguard Cell, Assistant Engineers from PIU, the Aids to Navigation Expert from S1A Consultant, and Contractors representatives were present.
2.	16.09.2024	Hydrographic post survey jointly with BIWTA, S1A consultant, and contractor of Lot-2.	Lot_02, Route_09 (Bancharampur-Homna loop).	
3.	17.09.2024	Hydrographic post survey jointly with BIWTA, S1A consultant, and contractor of Lot-2.	Lot_02, Route_09 (Bancharampur-Homna loop).	Continued
4.	18.09.2024	Hydrographic post survey jointly with BIWTA, S1A consultant, contractor of Lot- 02.	Lot_02, Route_09 (Bancharampur-Homna loop).	Continued
5.	20.09.2024	Hydrographic post survey jointly with BIWTA, S1A consultant, contractor at Lot_02, Route_06 and Route_7&8	Lot_02, Route_06 and Route_7&8	
6.	21.09.2024	Hydrographic post survey jointly with BIWTA, S1A consultant, and contractor at Lot_02, Route_09 (Bancharampur-Homna loop).	Lot_02, Route_09 (Bancharampur-Homna loop).	
7.	22.09.2024	Hydrographic post survey jointly with BIWTA, S1A consultant, and contractor at Lot_02, Route_09 (Bancharampur-Homna loop).	Lot_02, Route_09 (Bancharampur-Homna loop).	
8.	23.09.2024	Hydrographic post survey jointly with BIWTA, S1A consultant, and contractor at Lot_02, Route_09 (Bancharampur-Homna loop).	Lot_02, Route_09 (Bancharampur-Homna loop).	
9.	24.09.2024	Hydrographic post survey jointly with BIWTA, S1A consultant, and contractor at Lot_02, Route_09 (Bancharampur-Homna loop).	Lot_02, Route_09 (Bancharampur-Homna loop).	
10.	25.09.2024	Hydrographic post survey jointly with BIWTA, S1A consultant, and contractor at Lot_02, Route_09 (Bancharampur-Homna loop).	Lot_02, Route_09 (Bancharampur-Homna loop).	
11.	27.09.2024	Hydrographic post survey jointly with BIWTA, S1A consultant, and contractor at Lot_02, Route_09 (Bancharampur-Homna loop).	Lot_02, Route_09 (Bancharampur-Homna loop).	
12.	28.09.2024	Hydrographic pre-survey jointly with BIWTA, S1A consultant, and contractor at Lot_02, Route_7&8 (Narsingdhi Northern & Southern Approaches).	at Lot_02, Route_7&8 (Narsingdhi Northern & Southern Approaches).	
13.	29.09.2024	Hydrographic pre-survey jointly with BIWTA, S1A consultant, and contractor at Lot_02, Route_7&8 (Narsingdhi Northern & Southern Approaches).	Lot_02, Route_7&8 (Narsingdhi Northern & Southern Approaches).	

Table 7: Field Activity of BRWTP-S1A at Lot-3 Site

Serial No	Date	Activity	Route name & Route number	Remarks
1.	04.09.2024	Hydrographic monitoring survey (Laharhat to Bheduriya).	Lot_3, Route: 21 (Laharhat to Bheduriya).	
2.	05.09.2024	Hydrographic monitoring survey (Laharhat to Bheduriya) and level checking.	Lot_3, Route: 21 (Laharhat to Bheduriya)	
3.	07.09.2024	Hydrographic monitoring survey (Patarhat to Bheduriya).	Route: 16, Lot_3 (Patarhat to Bheduriya).	
4.	10.09.2024	Today weather conditions are very bad that's why the survey postponed	Lot_3, Route: 16 (Patarhat to Bheduriya).	
5.	11.09.2024	Hydrographic monitoring survey (Patarhat to Bheduriya).	Route: 16, Lot_3 (Patarhat to Bheduriya).	
6.	12.09.2024	Dyke inspection & Hydrographic monitoring survey (Bheduriya) and level checking.	Lot_3, Route-21 (Bheduriya)	
		Hydrographic monitoring survey (Patarhat to Bheduriya).	Route: 16, Lot_3 (Patarhat to Bheduriya).	
		Hydrographic Pre survey (Laharhat to Bheduriya) with BIWTA and Dharti-Bango team.	Route: 21, Lot_3 (Laharhat to Bheduriya)	
7.	13.09.2024	Ongoing Hydrographic Pre survey (Laharhat to Bheduriya) with the Dharti-Banga team.	Route: 21, Lot_3 (Laharhat to Bheduriya)	
		Hydrographic monitoring survey (Patarhat to Bheduriya).	Route: 16, Lot_3 (Patarhat to Bheduriya).	
8.	14.09.2024	Hydrographic Pre survey work was postponed due to heavy rainfall and strong wave.	Route: 21, Lot_3. (Laharhat to Bheduriya)	
9.	18.09.2024	Finding land for new dyke & Fisheries survey Boat to Boat with Dharti-Bango team.	Lot-03, Route-21,	
		Hydrographic monitoring survey (Patarhat to Elisha).	Route: 15, Lot_3 (Patarhat to Elisha).	
10.	20.09.2024,	Hydrographic monitoring survey at (Athazar to Alubazar).	Route: 13, Lot_3 (Athazar to Alubazar)	
11.	24.09.2024	Finally, we found 3 plots for dyke and looking for more land for dyke & FGD with local people, Dharti-Banga team,	Lot-03, Route-21,	
12.	24.09.2024	Hydrographic post survey jointly with BIWTA, S1A consultant, and contractor at Lot_02, Route_09 (Bancarampur-Homna loop).	Lot_02, Route_09 (Bancarampur-Homna loop).	
13.	25.09.2024	Visit Audit team jointly with BIWTA, S1A consultant, contractor Dharti-Bango at Lot_03, Route_21 (Laharhat-Bheduriya	Lot_03, Route_21 (Laharhat-Bheduriya	

Table 8: Interaction with Client/Contractors and another Stakeholder (September, 2024)

SN	Date	Venue	Meeting Agenda	Participants
1.	01.09.2024	Conference room of S1A	Internal coordination and planning meeting of BRWTP-S1A about the progress of dredging, social and environmental part.	BRWTP-S1A Team
2.	02.09.2024	Conference room of PIU	Progress meetings with Lot-2 representatives	PIU, S1A and Lot-2 Contractor.
3.	08.09.2024	UNO offices of Nabinagar and Bancharampur upazilla at Brahmanbaria district.	Dike status and collection of land agreements from UNO offices	S1A Social and GRM expert, Representatives of PIU and contractors representatives, Solimganj, Lot-02
4.	11.09.2024	Conference room of S1A	Meeting with PIU and IMED to update project status at the beginning of Capital dredging II.	Team Leader, Dredging Expert, and Project Coordinator of BRWTP-S1A, Project Director, other

SN	Date	Venue	Meeting Agenda	Participants
				representatives of PIU, and Kabir Ahmed of IMED
5.	12.09.2024	Lot-2 Site Office of S1A	Internal coordination and planning meeting of BRWTP-S1A about progress and status of dredging.	Dredging Expert and other field staff with Lot-2 representatives
6.	22.09.2024	Conference room of PIU	Mitting about dredging alignment fixed up (Laharhat-Bheduria), Lot-3, and hydrographic chart.	BRWTP-S1A, PIU and Lot-3 Contractor.

2.1.4 Grievance Redressal Mechanism (GRM):

Two Grievance Redress Committees (GRC) have been formed in the Lot-2 and Lot-3 project areas respectively, with one committee addressing site/local level issues and the other focusing on contractor-level gender-based violence (GBV) issues. Contractors, supported by S1A, conducted regular consultations to inform locals about reporting mechanisms. Grievance boxes were installed at project offices and dredging sites for people to submit their complaint letters and hotline numbers were provided for immediate contact.

Furthermore, the PIU, S1A, and senior project management of the government administration, along with all project officials, maintained contact with the local people during the reporting period, including holidays, to solve different grievances.

Table 9: Monthly Progress of GRM Report, September, 2024 in Lot-02 & Lot-03

Sl.No.	Issues	Status	S1A Comments
1.	River Traffic Management	The reports are updated accordingly if new complaints are lodged.	No complaints have been received from local communities during this reporting period.
2.	Public Health and Dredge Material Disposal on Land	The reports are updated accordingly if new complaints arise.	No complaints have been received from local communities during this reporting period.
3.	Fishermen and other related Groups on Their Livelihoods	The reports are updated accordingly if any complaints are raised.	No complaints have been received from local communities during this reporting period.
4.	Dike Selection	The reports are updated accordingly if any complaints are raised.	No complaints have been received from local communities during this reporting period.

2.1.4.1 GBV/SEA/SH by workers and enforcement of the CoC

The local people have reported that the dredging workers/ laborers have no congenial or illicit sexual relationship with local inhabitants. No sexual exploitation, sexual violence, or gender-based violence was reported at work sites.

2.1.5 ESHS, Worker Employment, and OHS Status:

The S1A team assessed the ESHS situation, Worker Employment, and Working conditions, Occupational Health and Safety (OHS) status during the reporting period. Considering the safety of workers and the public during the dredging process, data were collected through field observation during site visits and from the monitoring report of both contractors. The collected data is shown in the table below.

Table 10: ESHS Status at a Glance in September 2024

ESHS Issues	Parameters	Lot-2	Lot-3
Occupational Health and Safety (OHS)	Set up a first aid clinic room, equipped with amedical treatment registration card for each employee.	First aid facilities were available at the project sites.	First aid facilities were available at project sites.
	Kitchen sanitation and cleanliness and food quality	Satisfactory	Satisfactory
	Sewage and wastewater discharge and Solid Waste Management	Good arrangements were kept in the Houseboat	Good arrangements were kept in the Houseboat
	Gas cylinder storage and maintenance	Maintained	Maintained

ESHS Issues	Parameters	Lot-2	Lot-3
	Fire Extinguisher	Available (Outdated equipment should be replaced with new equipment.)	Available (Outdated equipment should be replaced with new equipment.)
	Safe Drinking Water	Accessible. Freshwater is collected daily from tube wells of nearby villages	Accessible. Freshwater is collected daily from tube wells of nearby villages
	Toilet facilities	Good	Good
Workers' Condition and Employment Situation	Total Employment (person) for all routes	36 (Thirty-Six)	60 (Sixty)
	Male Female Ratio	All employees are Male	No Female Employee
	Wage Status	Good arrangements were kept in the Houseboat	Good arrangements were kept in the Houseboat
	Force Labor/ Child Labor	Not Applicable in this month	Not Applicable in this month
Personal Protection Equipment (PPE) for all staff/workers working on the site.	Wearing appropriate PPE like helmets, safety goggles, hand and arm protection, elbow protection gloves, safety shoes, life jacket/vests for protection while working in the river, use of hearing protection in case of loud noise for all officers/employees and laborers engaged in project work.	Safety helmet, Safety vest, safety shoes, Hand gloves, etc., observed at the site. But not adequate. All workers were not using PPEs.	Available at site level but needs awareness and monitoring for using PPEs
Traffic management	Provision for preventing accidents including nighttime.	The contractors' ESHS team visited the site and met all concerned manpower	The contractors' ESHS team visited the site and met all concerned staff
	Dredging sites were demarcated and protected to ensure community safety.	Adequate signs signals are posted to avoid any unwanted endangered while working.	Working hands are found to be careful about their personal safety and working safety as well.

Source: Field Information SIA Consultant Team and Contractors Environmental Monitoring Report.

2.2 PROGRESS OF LOT-2 (GULF COBLA-KARNAFULY JV) CONTRACTOR:

2.2.1 Development and Maintenance Dredging Works:

During the reporting period of September 2024, survey work was carried out at the Lot-02 site, covering several routes:

Table 11: Summary of Monitoring Hydrographic Survey Chart, Lot-2, September 2024.

SL No.	Date	Route No.	Chainage	Length (km)
1	28-September-2024 and 30-September-2024.	Route 06 (Location: Meghna, Nabinagar loop):	00+000 km to 16+000 km	16.000
2	24-September-2024 to 26-September-2024.	Route 11 (Location: Gumti, Meghna loop approaching Dautkandi):	K0+000 to K13+100	13.100
		Total (km)		29.1

Note: Hard copies of the monitoring hydrographic survey charts have been provided to the PIU Authority.

Table 12: Joint Post Hydrographic Survey/Pre Hydrographic Survey for Phase-II Capital Dredging, Lot-2, September 2024.

SL No.	Date	Route No.	Chainage	Length (km)
1	20-September-2024	Route 06 (Location: Meghna, Nabinagar loop)	K0+000 to K0+510	0.510
2	20-September-2024, and from 28-September-2024 to 29-September-2024.	Route 07 & 08 (Location: Meghna, Narshingdi northern and southern approaches):	K0+000 to K5+810	5.810
3	16-September-2024 and 19-September-2024, 21-September-2024 to 25-September-2024, and on 27-September-2024.	Route 09 (Location: Solimgonj – Homna):	K0+000 to K20+290	20.290

		Total (km)	26.61
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Survey work on Route 05, Route 7&8 and Route 09 are ongoing from 24 September.

2.2.2 Environmental Quality Assessment of Lot-2 Sites:

In September 2024, environmental monitoring was conducted along Route 09 focusing on air quality, noise levels, and water quality. All measured parameters, including particulate matter, gaseous substances, and noise levels, were within national and international standards. Surface water sampling indicated no significant impact from ongoing dredging activities and no major pollution or safety issues were observed. Fisheries surveys identified 35 fish species and 03 crustacean species, with no fish mortality reported. Additionally, no Ganges River Dolphins or freshwater turtles were observed along the surveyed routes, and no grievances were raised, indicating a harmonious work environment. Details are in Annexure V.

2.2.3 Social and Resettlement Aspects at Lot-2 Site:

So far, 74 disposal sites have been identified within the Lot-2 areas, of which 67 Good Faith Agreements (GFAs) have been completed following the World Bank's safeguard policy for Routes 6, 7, 8, 9, and 11. The remaining seven sites on Route 9 are newly selected and operated by the district administration of Brahmanbaria District.

In May 2024, during a meeting at the office of the Deputy Commissioner of Brahmanbaria, it was decided that the selection of dike locations would be managed by the government administration in coordination with the Project Implementation Unit (PIU), the Bangladesh Inland Water Transport Authority (BIWTA), and the Consultant, BRWTP-S1A, as necessary. The same process will be followed for Routes 6 and 7 & 8, as agreed upon by the Deputy Commissioner of Narsingdi and PIU officials. Following this decision, no further Good Faith Agreements (GFAs) will be required between BRWTP-1 and landowners for the selection of dike locations. The locations of these dredged material disposal areas are provided in Annexure I.

2.3 PROGRESS OF LOT-3, (DHARTI-BANGA JV) CONTRACTOR:

2.3.1 Development and Maintenance Dredging Works:

During the reporting period of September 2024, survey work was carried out at the Lot-03 site, covering several routes:

Table 13: Summary of Monitoring Hydrographic Survey Chart, Lot-3, September 2024.

SL No.	Date	Route No.	Chainage	Length (km)
1.	20-September-2024	Route 13 (Location: Meghna and Arial Khan)	K0+000 to K5+000	5.000
2.	16-September-2024 to 18-September-2024	Route 15 (Location: Meghna/Tentulia, Patharhat to Daulatkhan)	K0+000 to K9+000	9.000
3.	6-September-2024 to 13-September-2024	Route 16 (Location: Tentulia, Bheduria to Laharhat)	K4+200 to K19+600	15.4
4.	4-September-2024 to 5-September-2024	Route 21 (Location: Tentulia, Bheduria to Laharhat)	K0+000 to K9+000	9.000
		Total (km)		38.4

Table 14: Pre Hydrographic Survey for Phase-II Capital Dredging, Lot-3, September 2024.

SL No.	Date	Route No.	Chainage	Length (km)
1	12-September-2024 to 13-September-2024 and on 17-September-2024.	Route 21 (Location: Tentulia, Bheduria to Laharhat)	K6+300 to K8+700	2.4
		Total (km)		2.4

2.3.2 Environmental Quality Assessment of Lot-3 Site:

In September 2024, environmental monitoring focused on air quality, noise levels, and water quality across Routes 16 and 21, with all assessed parameters found within national and international standards. Surface water quality was also tested, showing no significant impact from prior dredging activities, and sediment and underwater noise levels were maintained below thresholds. No fish mortality, Ganges River Dolphins, or freshwater turtles were observed during the monitoring. Throughout the reporting period, all safety measures were effectively implemented, and no grievances or environmental issues were reported. 23 fish species and 05 crustacean species (prawn) were observed in river routes 16 and 21, with no visible fish mortality around the dredging site.

2.3.3 Social and Resettlement Aspects at Lot-3 Site:

At present **23** agreements are completed in this site. So far, six Lease Agreements have been established with landowners; however, these landowners have yet to receive the leased money from the Project Implementation Unit (PIU). The remaining 17 Good Faith Agreements (GFAs) are still pending. The locations of these dredged material disposal areas are provided in Annexure I.

CHAPTER 03:

ACHIEVEMENT OF THIS MONTH'S AND NEXT MONTH'S PLAN

S1A

- a) Monitoring hydrographic surveys on Routes 06 and 11 throughout the month of September 2024 and will be continued along Route 05, Routes 7 & 8, and Route 09 under Lot-2.
- b) Monitoring hydrographic surveys were carried out between 4th and 26th September 2024 on Routes 13, 15, 16, and 21, covering various chainages under Lot-3.
- c) The BRWTP-S1A experts and field staff actively monitored project activities throughout September 2024, spending 26 days on-site and holding 10 meetings with key stakeholders.

LOT-2

- d) Started pre-hydrographic joint survey for Phase-II capital dredging.
- e) Related Environmental, Social, and GRM Activities have been conducted.
- f) Field visits were carried out by the S1A-ESHS team.

LOT-3

- a) Hydrographic Survey carried out along Route 21 of Lot-3.
- b) Related Environmental, Social, and GRM activities have been conducted.
- c) Field visits were carried out by the S1A-ESHS team.

3.2 NEXT MONTH PLAN:

S1A

- a) Ongoing intermittent monitoring hydrographic surveys will continue for Routes 06, 07 & 08, 09, and 11 under Lot-2.
- b) Reviewing and analyzing hydrographic charts, raw data, and calculating dredging volumes based on the contractor's submitted data for Routes 06, 07 & 08, 09, and 11 under Lot-2.
- c) Supervising and monitoring dredging activities, environmental quality, ESHS, and GRM activities for Lot-2 and Lot-3.
- d) Accelerating the navigational aid installation work plan submitted by the contractors for Lot-2 and Lot-3.
- f) Organizing meetings with the environmental teams of the Lot-2 and Lot-3 contractors.
- g) Supervising activities in preparation for Phase-II capital dredging in both Lots.
- h) Phase II Environmental Work Plan will be prepared after submitting updated CESMP (Contractor Environmental and Social Management Plan) from the contractor.

LOT-2

- a) Submission of the completion report for Phase-I, including as-built drawings
- b) Submission of the Phase-II work plan and resource allocation, including manpower deployment within the remaining timeframe for Phase-II,
- c) Conducting a pre-hydrographic survey over the entire length of the contracted Lot-2 routes
- d) Updating the C-ESMP and DDMP.
- e) The Lot-2 contractor will accelerate the installation of Aids to Navigation.
- f) The Lot-2 contractor's ESHS team is advised to carry out the recommended field visits.
- g) Preparatory work for Phase-II of the capital dredging will be continuing.

LOT-3

- a) Submission of the completion report for Phase-I, including as-built drawings
- b) Submission of the Phase-II work plan and resource allocation, including manpower deployment
- c) Conducting a pre-hydrographic survey over the entire length of the contracted Lot-3 routes
- d) Updating the C-ESMP and DDMP.
- e) The Lot-3 contractor will continue hydrographic surveys for all routes, review relevant charts, and perform dredging work as necessary using standby dredgers.
- f) The Lot-3 contractor will accelerate the installation of Aids to Navigation.
- g) The Lot-3 contractor's ESHS team is advised to carry out the recommended field visits.
- h) Preparatory work for Phase-II of the capital dredging will be continuing.

CHAPTER 04: CONCLUSION AND RECOMMENDATIONS

Both contractors were urged to expedite the installation of the remaining Aids to Navigation. No further Good Faith Agreements on Routes 06, 07&08, and 09 will be needed for dike location selection as the government administration took over the responsibility of selecting the dike locations in coordination with PIU, the S1A Consultant, Contractors, and local stakeholders.

The S1A consultant recommends that the PIU communicate with the government administrations to determine if these contract documents are necessary to collect.

While dredging operations are crucial for maintaining river navigability, regulating depth and flow, improving water quality, and reducing flood risks, they can also impact the benthic fauna inhabiting the riverbed. Continuous monitoring of the aquatic ecosystem's primary productivity is essential to mitigate any negative effects. The S1A Consultant recommends placing special emphasis on monthly environmental quality assessments to ensure sustainable practices. S1A has requested the Lot-2 and Lot-3 contractors to ensure the following items prior to commencing Phase-II:

- a) Submission of the completion report for Phase-I, including as-built drawings
- b) Submission of the Phase-II work plan and resource allocation, including manpower deployment within the remaining timeframe for Phase-II,
- c) Conducting a pre-hydrographic survey over the entire length of the contracted Lot-2 routes
- d) Updating the C-ESMP and DDMP.

Both the contractors must expedite these tasks before commencing the next phase.

CHAPTER 05: ANNEXURE

ANNEX I: The Progress and Status of Dike and Selected Disposal Areas

Lot-2

Table 15: Status of Good Faith Agreements (GFA) for Phase-I Capital Dredging, Lot 2 (74 Dyke)

Dyke no.	Route No	Land Owner		Land			Good Faith Agreement Status
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
D1	9	Md. Monir Hossain NID: 6447046241	Village: Joy Nagar Upazila: Bancharampur	Plot No: 1117.1118, 10, 65, 1016, Mouza: Jay Nagar	95	Agriculture Land (Two Crops)	Done. Soft copy available
D2	9	Siblu Mia NID:1210488091772	Village: Imam Nagar Upazila: Bancharampur	Plot No:158, 155, 166, 147. Mouza: Imam Nagar	270	Agriculture Land (Two Crops)	Done. Soft copy available
D3	9	Md. Afzal Hossain NID:1210488092232	Village: Joy Nagar Upazila: Bancharampur	Plot No: 461, 711, 712, 713, 714, 715 1016. Mouza: Jay Nagar	150	School and School Field	Done. Soft copy available
D4	9	Md. Monzur Mahabub NID: 1210488092428	Village: Imam Nagar Upazila: Bancharampur	Plot No:3473, 3474 Mouza: Imam Nagar	55	Agriculture land (One crop)	Done. Soft copy available
D5	9	Jharna Begum NID:5546582981	Village: Barail Upazila: Nabinagar	Plot No: 316, 318, 397, 399, 314, 315, 401 Mouza: Borail.	132	Agriculture land (Two Crops)	Done. Soft copy available
D6	9	Md. Dostogir NID:7813941536	Village: Barail Upazila: Nabinagar.	Plot No: 326, 353,314, 622, 312, 126, 319, 320, 321, 334 Mouza: Borail,	141	Agriculture land (Two Crops)	Done. Soft copy available
D7	9	Monir Hossain NID:12104880921009	Village: Imam Nagar Upazila: Bancharampur	Plot No.127 Mouza: Imam Nagar.	40	Agriculture land (Two Crops)	Done. Soft copy
D8	9	Abdus Salam NID: 1210488089240	Village: Aka Nagar Upazila: Bancharampur	Plot No.6021, 5622, 5627, 6620, 3277 Mouza: Aka Nagar.	90	Agriculture land (Two Crops)	Done. Soft copy
D9	9	Md. Zakir Hossain NID: 2693016135957	Village: Aka Nagar Upazila: Bancharampur	Plot No. 2611, 2612, 6036 Mouza: Aka Nagar.	139	Agriculture land (Two Crops)	Done. Soft copy available
D10	9	Md. Alamgir Kabir. NID: 1218575059084	Village: Nilukhi Upazila: Nabinagar	Plot no. 455. Mouza: Borail	52	Agriculture land (Two Crops)	Done. Soft copy
D11	9	Md. Kabir Hossain. NID: 10488088336	Village: Aka Nagar Upazila: Bancharampur	Plot no. 5972/ 5380/5984 Mouza: Aka Nagar, Bancharampur,	139	Agriculture land (Two Crops)	Done. Soft copy available
D12	9	Md. Nazrul Islam. NID: 8705507518	Village: Aka Nagar Upazila: Bancharampur	Plot no. 3053, Mouza: Aka Nagar.	50	Agriculture land (One Crop)	Soft copy available
D13	9	Md. Monirul Islam. NID: 8672153577	Village: Aka Nagar Upazila: Bancharampur	Plot no. 2422, 2423, 2412, 2417, 2424, 2425 Mouza: Aka Nagar.	190	Agriculture land (Two Crops)	Done. Soft copy available

Consultancy Services for: Supervision and Monitoring of Performance-Based Dredging Contracts with Maintenance Dredging and Installation and Maintenance of Navigational Aids along the Navigational Routes under the Contract

Dyke no.	Route No	Land Owner		Land			Good Faith Agreement Status
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
D14	9	Md. Salek Mia. NID: 7385849111 Mbl:01985708570	Village:Akanagar Union: Salimganj Upazila:Bancharampur District: Brahman Baria	Mouza: Akanagar, Plot no. 2948/2149/2150/ 2151/2152, BS-642 JL no. 13.	24	Agriculture land (One Crop)	Done. Soft copy available
D15	9	Abdul Halim NID: 2366199863 Mbl: 01819160113	Village:Akanagar Union: Tezkhali Upazila:Bancharampur District: Brahman Baria	Mouza: Akanagar, Plot no. 3395,3396 BS-khatian no. 496 JL no. 13.	67	Agriculture land (One Crop)	Done. Soft copy available
D16	9	Md. Riazul Islam NID: 5533130141	Village: Joykalipur Upazila: Bancharampur	Plot no. CS 1370, BS 3002-3003, mouza: Borail	52	Agriculture land (One Crop)	Done. Soft copy available
D17	9	1.Babul Mia NID:5546760314 2.Rakat Ali NID:9132515710 3.Nobi Mia NID:5996942016	Village: Nilukhi Union: Solimganj Upazila:Nabinagar District: Brahman Baria	Plot no. CS/SA 1373/1374, BS 3007, Mouja: Borail	90	Agriculture land (One Crop)	Done. Soft copy available
D18	9	Kader Miah NID: 1210488088731 Mbl: 01712830171	Village:Akanagar Union: Tejkhali Upazila:Bancharampur District: Brahman Baria	Mouza: Akanagar, Plot no. 2948/2149/2150/2151/2152, BS 650-JL no. 13.	192	Agriculture land (One Crop)	Done. Soft copy available
D19	9	Md. Kabir Hossain NID: 1210488087685 Mbl: 01789160113	Village:Akanagar Union: Tejkhali Upazila:Bancharampur District: Brahman Baria	Mouza: Akanagar, Plot no. 2948/2149/2150/2151/2152, BS-642 JL no. 13.	32	Agriculture land (One Crop)	Done. Soft copy available
D20	9	1.Jasim Uddin NID: 7798370685 Mbl: 01717531207 2.Oli Mia NID: 9152173382 Mbl: 01720322353	Village: Bishnursmpur Union: Bishnursmpur Upazila:Bancharampur District: Brahman Baria	Mouza: Bishnursmpur, SA Khatian: 11, Plot no: 298,1428,1646,1655,1654 , JL No 43	59	Agriculture land (One Crop)	Done. Soft copy available
D21	9	Safar Ali NID: 2398388328 Mbl: 0191438148	Village:Akanagar Union: Tejkhali Upazila:Bancharampur District: Brahman Baria	Mouza: Akanagar, SA Khatian: 3610, Plot no: 3456,3460 JL No. 13	75	Agriculture land (One Crop)	Done. Soft copy available
D22	9	Md. Milon Mia NID: 7348365565 Mbl: 01321822727	Village:Bahir char Union: Tejkhali Upazila:Bancharampur District: Brahman Baria	Mouza: Bahir char SA Khatian: 556, Plot no: 613,857 JL No. 41	84	Agriculture land (One Crop)	Done. Soft copy available
D23	9	1.Alomgir Hossain NID: 1978121048800039 Mbl: 01741735087	Village: Bishnursmpur Union: Tezkhali Upazila:Bancharampur District: Brahman Baria	Mouza: Bahirchar SA Khatian: 860,380 Plot no: 821,621,711,622,624,810,1070,623,626,710,711,1179 JL No. 41	119	Agriculture land (One Crop)	Done. Soft copy available
D24	9	Aminul Islam (Liton) NID: 9917405796 Mbl: 01310822838	Village: Bishnursmpur Union: Bishnursmpur Upazila:Bancharampur District: Brahman Baria	Mouza: Bishnursmpur SA Khatian: 92 Plot no: 1209,1205,1439,1430 JL No. 40	120	Agriculture land (One Crop)	Done. Soft copy available

Consultancy Services for: Supervision and Monitoring of Performance-Based Dredging Contracts with Maintenance Dredging and Installation and Maintenance of Navigational Aids along the Navigational Routes under the Contract

Dyke no.	Route No	Land Owner		Land			Good Faith Agreement Status
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
D25	9	Ilias Miazi NID: 19921216488000 130 Mbl: 01985728652	Village: Bishnursmpur Union: Tezkhal Upazila: Bancharampur District: Brahman Baria	Mouza: Bishnursmpur SA Khatian: 172, Plot no: 1308,1497,1448,427,1105 JL No 43	174	Agriculture land (One Crop)	Done. Soft copy available
D26	9	1. Gazi Kawsar NID: 3298455597 Mbl: 01713685001 2. Gazi abdu Salam NID: 2398479119 Mbl: 01740956081 3. Md. Zakir Hossain NID: 7348561049	Village: Aka Nagar Union: Tezkhal Upazila: Bancharampur District: Brahman	Mouza No: Aka Nagar SA Khatian: 3921,4096,3941 Plot No: 5760,5705,5707,5790,6370,6698,5744,5711,5384,5715 JL No 13	310	Agriculture land (One Crop)	Done. Soft copy available
D27	9	Md. Hanif NID: 5501395304 Mbl: 01717531207	Village: Bishnurampur Union: Bishnurampur Upazilla: Bishnurampur District: Brahman Baria.	Mouza: Bishnurampur SA Khatian: 894, Plot no. 108,111 Khatian No. 860/380 JL No. 41	154	Agriculture land (One Crop)	Done. Soft copy available
D28	9	Habib Ulla NID: 2398391876 Mbl: 01817506254	Village: Bahirchar Union: Bishnurampur Upazila: Bancharampur	Mouza. Bahirchar Plot no. 603,714,1152,1545 Khatian No: 92 JL No: 41	79	Agriculture land (One Crop)	Done. Soft copy available
D29	9	Abu Kalam NID: 1948451222 Mbl: 01985708523	Village: Bahirchar Union: Tezkhal Upazila: Bancharampur District: Brahman Baria.	Mouza. Bahirchar Plot no. 904, 608, 752, 1227 Khatian No: 617, 1487 JL No: 41	89	Agriculture land (One Crop)	Done. Soft copy available
D30	9	1. Md. Farid Mia NID: 3298435581 Mbl: 01317622313 2. Abdul Wahab NID: 6894609699 Mbl: 01735786521	Village: Bahirchar Union: Tezkhal Upazila: Bancharampur District: Brahman Baria.	Mouza. Bahirchar Plot no. 119,1084,415 Khatian No: 551,61,108 JL No: 41	88	Agriculture land (One Crop)	Done. Soft copy available
D31	9	Moin Uddin NID: 3748368614 Mbl: 01817506254	Village: Bahirchar Upazila: Bancharampur District: Brahman Baria.	Mouza. Bahirchar Plot no. 1134,1138,1135,18,1052 Khatian No: 217,541 JL No: 41	85	Agriculture land (One Crop)	Done. Soft copy available
D32	9	Ali Ahammad Sarker NID: 3747074718 Mbl: 01715046233	Village: Nilokhi Union: Salimganj Upazila: Nabinagar District: Brahman Baria.	Mouza. Nilokhi Plot no. 1134,1138,1135,18,1052 Khatian No: 24/1, 106/1 JL No: 236	214	Agriculture land (One Crop)	Done. Soft copy available
D33	9	1. Rasel Mia NID: 1947127799 Mbl: 01738424077 2. Parul Begum NID: 1210488095296 Mbl: 01735786521 3. Sova Akter	Village: Nilokhi Union: Salimganj Upazila: Nabinagar District: Brahman Baria.	Mouza. Nilokhi Plot no. 1172,1208,1209,1199,1163,1198,1170,1200,1232 Khatian No: 950, 992 JL No: 05	170	Agriculture land (One Crop)	Done. Soft copy available

Consultancy Services for: Supervision and Monitoring of Performance-Based Dredging Contracts with Maintenance Dredging and Installation and Maintenance of Navigational Aids along the Navigational Routes under the Contract

Dyke no.	Route No	Land Owner		Land			Good Faith Agreement Status
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
		NID: 8707793660 Mbl: 01735786521					
D 34	9	1. Md. Billal NID: 2398523114 Mbl: 01725835721 2. Arfat Ali NID: 8257731771 Mbl: 01985789351	Village: Bahir Char Union: Tezkhal Upazila: Bancharampur District: Brahman Baria.	Mouza. Bahirchar Plot no. 25/400,217/652,268/418,628,708 Khatian No: 209,74 JL No: 41	84	Agriculture land (One Crop)	Done. Soft copy available
D 35	9	1. Abdul Awal NID: 3746376999 Mbl: 01918578062 2. Abul Kalam NID: 8695983695 Mbl: 01716592411 3. Abu Ishaq NID: 3712971580 Mbl: 01719834733 4. Nasir Uddin NID: 5546582717	Village: Barail Upazila: Nabinagar District: Brahman Baria.	Mouza. Barail Plot no. 1590,3267,3144,3274,3515,1802,1803 Khatian No: 544,163,1560 JL No: 04	113	Agriculture land (One Crop)	Done. Soft copy available
D 36	9	1. Abdul Mannan NID: 8248455720 Mbl: 01738424077 2. Md. Jalal Mia NID: 4648465153 Mbl: 01735786521 3. Tazul Islam NID: 9173793036 Mbl: 01735786521	Village: Bahir Char Union: Tezkhal Upazila: Bancharampur District: Brahman Baria.	Mouza. Bahirchar Plot no. 1286,1351,1649,144,1563,127 Khatian No: 549,600,996 JL No: 41	140	Agriculture land (One Crop)	Done. Soft copy available
D37	9	Md. Swapon Mia NID: 8248495528 Cel: 01753828096	Village: Bahirchar Union: Tezkhal Upazila: Bancharampur, District: Brahman Baria.	Mouza No. Bahirchar Khatian No: 530/616/1464 Plot: 553/552/554 JL No: 41	60	Agriculture land (One Crop)	Done. Soft copy available
D38	9	1. Md. Nazim NID: 2421516085 Mbl: 01733123741 2. Apel Mahmud NID: 4201400373 Mbl: 01958705623 3. Aynal Hoque NID: 5554116691 Mbl: 01815237615 4. Abu Musa NID: 6448345691 Mbl: 01712578351 5. Mst. Razia khatun NID: 2848376618 Mbl: 01735892711 6. Marfot Ali NID: 19761210488000 018 Mbl: 01928705721	Village: Bahirchar Union: Tezkhal Upazila: Bancharampur District: Brahman Baria.	Mouza No. Bahirchar Khatian No: 751/439/120/889/743/70 Plot: 1282/1284/1285/1283/957/1641/2221/955/1502/985/984 JL No: 41	173	Agriculture land (One Crop)	Done. Soft copy available

Consultancy Services for: Supervision and Monitoring of Performance-Based Dredging Contracts with Maintenance Dredging and Installation and Maintenance of Navigational Aids along the Navigational Routes under the Contract

Dyke no.	Route No	Land Owner		Land			Good Faith Agreement Status
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
		7. Abdul Mannan NID: 7812888217 Mbl: 01789256722					
D 39	9	Abu Sayem NID: 6890355958 Mbl: 01712853510	Village: Kadoir Union: Salimganj Upazila:Nabinagar District: Brahman Baria.	Mouza No. Kadoir Khatian No: 591 Plot: 421 JL No:63	50	Agriculture land (One Crop)	Done. Soft copy available
D 40	9	Md. Jalu Mia NID: 4155505789 Mbl: 01712892751	Village: Bahirchar Union: Tezkhali Upazila:Bancharampur District: Brahman Baria.	Mouza No. Bahirchar Khatian No: 709 Plot: 440 JL No:41	100	Agriculture land (One Crop)	Done. Soft copy available
D 41	9	1.Md. Kamal Mia NID: 7347275260 Mbl: 01724532687 2.Abdul Karim NID: 2397556354 Mbl: 01716161185	Village: Kadoir Union: Tezkhali Upazila:Bancharampur District: Brahman Baria.	Mouza No. Bahirchar Khatian No: 706 Plot: 486/350/352 JL No:10	111	Agriculture land (One Crop)	Done. Soft copy available
D 42	9	1.Mst. Jahanara NID: 1210488096760 Mbl: 01986218781	Village: Nilokhi Union: Salimganj Upazila:Nabinagar District: Brahman Baria.	Mouza No. Nilokhi Khatian No: 262 Plot: 1129/1 JL No:05	31	Agriculture land (One Crop)	Done. Soft copy available
D 43	9	1.Shakel Ahmed NID: 2397009727 2. Sazzad Ahmed NID: 6455341013 Mbl: 5983496109 3. Md. Alomgir NID: 2397009727 4. Rezaul Karim NID: 6455341013 5. Ziaul Karim NID: 5983496109 Mbl: 9132487969 6. Fazlul Karim NID: 9132487969	Village: Badda Dakkhin Para Union: Salimganj Upazila:Nabinagar District: Brahman Baria.	Mouza No. Char Badda Khatian No: 1154/191/986 Plot: 486/350/352 JL No:14	197	Agriculture land (One Crop)	Done. Soft copy available
D 44	9	1. Md. Alomgir NID: 2397009727 2. Rezaul Karim NID: 6455341013 3. Ziaul Karim NID: 5983496109 Mbl: 01713018040 4. Fazlul Karim NID: 9132487969	Village: Badda Dakkhin Para Union: Salimganj Upazila:Nabinagar District: Brahman Baria.	Mouza No. Jolli Khatian No: 175/1453 Plot: 122/233/325/ JL No:16	140	Fallow Pond	Done. Soft copy available

Consultancy Services for: Supervision and Monitoring of Performance-Based Dredging Contracts with Maintenance Dredging and Installation and Maintenance of Navigational Aids along the Navigational Routes under the Contract

Dyke no.	Route No	Land Owner		Land			Good Faith Agreement Status
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
D 45	9	1. Md. Alomgir NID: 2397009727	Village: Badda Dakkhin Para Union: Salimganj Upazila:Nabinagar District: Brahman Baria.	Mouza No. Jolli Khatian No: 1657 Plot: 291 JL No:16	22	Agriculture land (One Crop)	Done. Soft copy available
D 46	9	Md. Jalu Mia NID: 4155505789 Mbl: 01712892751	Village: Bahirchar Union: Tezkhali Upazila:Bancharampur District: Brahman Baria.	Mouza No. Bahirchar Khatian No: 111 Plot: 222/223/577/496 JL No:41	97	Agriculture land (One Crop)	Done. Soft copy available
D 47	9	1. Md. Abu Hanif NID: 7305030772 Mbl: 01712892751 2. Sohrab Hossain NID: 1975871797 Mbl: 01728356911	Village: Kadoir Union: Salimganj Upazila:Nabi Nagar District: Brahman Baria.	Mouza No. Kadoir Khatian No: 342 Plot: 438 JL No:10	68	Agriculture land (One Crop)	Done. Soft copy available
D 48	9	1. Kamrul Hasan NID: 19791218575000 030 Mbl: 01716161185 2. Jaman Uddin NID: 2361962059 Mbl: 01859278912 3.Moshen Mia NID: 5107234883 Mbl: 01713925813 4.Dulal Mia NID: 7347018397 Mbl: 01712830195 5.Baijid Hasan NID: 5107234883 Mbl: 01915830112 6.Abdul Motin NID: 1218588035697 Mbl: 01913592311 7.Hanif Mia NID: 19701218575000 009 Mbl: 01713925813	Village: Char Badda Union: Salimganj Upazila:Nabi Nagar District: Brahman Baria.	Mouza No.Char Badda Khatian No: 404/344/160/606/557/605 Plot: 1531/1502/1537/860/941/1282/1530/1531/1551/288/289/316/493/1567 JL No:14	200	Agriculture land (One Crop)	Done. Soft copy available
D 49	9	1.Kamal Uddin NID: 9148394498 Mbl: 01602208686 2.Forkan uddin NID: 1948433175 Mbl: 01711180780 3.Abdul Hashim NID: 8248455555 Mbl: 01733113742 4.Parul Begum NID: 4201436906	Village: Bahir Char Union: Tezkhali Upazila:Bancharampur District: Brahman Baria.	Mouza No. Bahir Char Khatian No: 392/320/707/273/514/1071 Plot: 1105/617/1104/411/496/1111/1110 JL No:41	179	Agriculture land (One Crop)	Done. Soft copy available

Consultancy Services for: Supervision and Monitoring of Performance-Based Dredging Contracts with Maintenance Dredging and Installation and Maintenance of Navigational Aids along the Navigational Routes under the Contract

Dyke no.	Route No	Land Owner		Land			Good Faith Agreement Status
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
		Mbl: 01716497968 5.Ismail Mia NID: 1523786984 Mbl: 01913777071 6.Amir Hossain Passport:0538242 Mbl: 01712835771 7.Farid NID: 3322198205 Mbl: 01852892821					
D 50	9	1.Abul Kashem NID: 2398411542 Mbl: 01708665453 2.Humayun Kobir NID: 1210436157748 Mbl: 01983460221	Village: Moddho Nagar Union: Choyfullah Kandi Upazila:Nabinagar District: Brahman Baria.	Mouza No. Moddho Nagar Khatian No: 1054/1485 Plot: 1105/617/1104/411/496/1111/1110 JL No:38	193	Agriculture land (One Crop)	Done. Soft copy available
D 51	9	1.Murshid Mia NID: 3296986155 Mbl: 01852897257 2.Dulal Mia NID: 1218575054223 Mbl: 01719835021 3.Lal Chand Passport: 0363728 Mbl: 01719478351	Village: Char Badda Union: Salimganj Upazila:Nabinagar District: Brahman Baria.	Mouza No. Char Badda Khatian No: 525/263/675 Plot: 210/211/39/68 JL No:68	130	Agriculture land (One Crop)	Done. Soft copy available
D 52	9	Shahin NID: 19821218575000 021 Mbl: 01734532462	Village: Bandey Bahir char Union: Salimganj Upazila:Nabinagar District: Brahman Baria.	Mouza No. Char Badda Khatian No: 1118 Plot: 26 JL No:14	32	Agriculture land (One Crop)	Done. Soft copy available
D 53	9	Md. Monirul Islam NID: 8672153577 Mbl: 01711175171	Village: Joy Nagar Union: Salimganj Upazila:Nabinagar District: Brahman Baria.	Mouza No. Joy Nagar Khatian No:1154 Plot: 2374 JL No:11	75	Agriculture land (One Crop)	Done. Soft copy available
D 54	9	Abdur Razzak NID: 9574183696 Mbl: 01747343757	Village: Bishnurampur Union: Tezkhal Upazila:Bancharampur District: Brahman Baria.	Mouza No. Bishnurampur Khatian No:1154 Plot: 1594 JL No:01	86	Fallow Land	Done. Soft copy available
D 55	9	Shahjalal NID: 8242023813 Mbl: 01625888695	Village: Bishnurampur Union: Tezkhal Upazila:Bancharampur District: Brahman Baria.	Mouza No. Bishnurampur Khatian No:386 Plot: 1550 JL No:40	73	Fallow Land	Done. Soft copy available
D 56	9	1.Abul Kashem NID: 2398411542 Mbl: 01708665453 2.Humayun Kobir NID: 1210436157748	Village: Moddho Nagar Union: Choyfullah Kandi Upazila:Nabinagar District: Brahman Baria.	Mouza No. Moddho Nagar Khatian No: 1054/1485 Plot: 1105/617/1104/411/496/1111/1110 JL No:38	193	Agriculture land (One Crop)	Agreement will be done by District administration

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Dyke no.	Route No	Land Owner		Land			Good Faith Agreement Status
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
		Mbl: 01983460221					
D 57	9	1.Murshid Mia NID: 3296986155 Mbl: 01852897257 2.Dulal Mia NID: 1218575054223 Mbl: 01719835021 3.Lal Chand Passport: 0363728 Mbl: 01719478351	Village: Char Badda Union: Salimganj Upazila:Nabinagar District: Brahman Baria.	Mouza No. Char Badda Khatian No: 525/263/675 Plot: 210/211/39/68 JL No:68	130	Agriculture land (One Crop)	Agreement will be done by District administration
D 58	9	Md. Shahin NID: 19821218575000 021 Mbl: 01734532462	Village : Bandey Bahir char Union : Salimganj Upazila:Nabinagar District: Brahman Baria.	Mouza No. Char Badda Khatian No: 1118 Plot: 26 JL No:14	32	Agriculture land (One Crop)	Agreement will be done by District administration
D 59	9	Md. Monirul Islam NID: 8672153577 Mbl: 01711175171	Village: Joy Nagar Union: Salimganj Upazila:Nabinagar District: Brahman Baria.	Mouza No. Joy Nagar Khatian No:1154 Plot: 2374 JL No:11	75	Agriculture land (One Crop)	Agreement will be done by District administration
D 60	9	Abdur Razzak NID: 9574183696 Mbl: 01747343757	Village: Bishnurampur Union: Tezkhal Upazila:Bancharampur District: Brahman Baria.	Mouza No. Bishnurampur Khatian No:1154 Plot: 1594 JL No:01	86	Fallow Land	Agreement will be done by District administration
D 61	9	Shahjalal NID: 8242023813 Mbl: 01625888695	Village: Bishnurampur Union: Tezkhal Upazila:Bancharampur District: Brahman Baria.	Mouza No. Bishnurampur Khatian No:386 Plot: 1550 JL No:40	73	Fallow Land	Agreement will be done by District administration
D 62	9	Md. Aktar Hossain NID: 3725002590 Mbl: 01605208355	Village: Tezkhal Union: Tezkhal Upazila:Bancharampur District: Brahman Baria.	Mouza No. Tezkhal Khatian No: 1852 Plot: 430/688/960/972/482 JL No: 42	120	Agriculture land (One Crop)	Awaiting PD's Approval. Soft copy available.
D 63	9	Md. Ashikul Islam NID: 3268311275 Mbl: 01855997070	Village: Tezkhal Union: Tezkhal Upazila:Bancharampur District: Brahman Baria.	Mouza No. Tezkhal Khatian No: 1852 Plot: 430/688/960/972/482 JL No: 42	120	Agriculture land (One Crop)	Awaiting PD's Approval. Soft copy available.
D 64	9	Md. Masud NID: 4197522263 Mbl: 01625888695	Village: Noyar char Union: Salimganj Upazila: Nabinagar District: Brahman Baria.	Mouza No. Noyar char Khatian No: 689 Plot: 366/422/645/389 JL No: 67	62	Agriculture land (One Crop)	Awaiting PD's Approval. Soft copy

Consultancy Services for: Supervision and Monitoring of Performance-Based Dredging Contracts with Maintenance Dredging and Installation and Maintenance of Navigational Aids along the Navigational Routes under the Contract

Dyke no.	Route No	Land Owner		Land			Good Faith Agreement Status
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
							available.
D 65	9	Anowar Hossain Raza NID: 1948336233 Mbl: 01625888695	Village: Bishnurampur Union: Bishnurampur Upazila: Bancharampur District: Brahman Baria.	Mouza No. Bishnurampur Khatian No: 315 Plot: 365/254/423/546/259/121 JL No: 39	270	Agriculture land (One Crop)	Awaiting PD's Approval. Soft copy available.
D 66	9	Md. Kawsar NID:	Village: Khalla Union: Choyfullakandi Upazila: Bancharampur District: Brahman Baria.	Mouza No. Khalla Khatian No: 1394 Plot: 4662 JL No: 1418	95	Agriculture land (One Crop)	Agreement will be done by District administration
D 67	7&8	1.Hafiz Mia NID: 6816020733136 2.Abu Kashed Mia NID: 6816020432149 3.Abul Kashem NID: 5501734684 4.Nuru Mia NID: 8218914904 5.Sushil Chandra Sutradhar NID: 6816020732471 Mbl: 01794391918, 01712766109	Village: Birgaon Union: Alokballi Upazila:Narsingdi Sadar District: Narsingdi	Mouza: Char Madhobpur SA Khatian No: 425/2010/2051 CS Plot No: 4212, 4219, 4262, 4341, 10070, 10037, 13062, 10064, 10062, 10061, 10091, 10204, 9689, 9690, 9653, 10079, 10056, 10205, 9798, 10118, 10111, 10114 JL No: 73, 62, 52	677	About 70% Fallow Land and 30% Agriculture land (One Crop)	Done. Soft copy available
D 68	7&8	Md. Delwar Hossain NID: 9550769062 Mbl: 01712766109	Village: Bakhor nagar Union: Alokballi Upazila:Narsingdi Sadar District: Narsingdi	Mouza: Char Madhobpur SA Khatian No: 8723/4356/4126/4247 SA Plot No: 7879,7915,7880,8793,7891,7960,7961,9730,9731,9732,8730,896,7496,7494,9756, 9757, 9727,9730, 9731, 9732,8726, 8743, 7891, 8793,7886, JL No: 62	328	Fallow Land	Done. Soft copy available
D 69	7&8	Hazrat Ali NID: 7822420450 Mbl: 01935205783	Village: Birgaon Union: Alokballi Upazila:Narsingdi Sadar District: Narsingdi	Mouza: Char Madhobpur CS Khatian No: 122 SA Plot No: 12458/12466/12485 JL No: 52	91	Agriculture land (One Crop)	Awaiting PD's Approval. Soft copy available.
D 70	7&8	1. Sukkur Ali NID: 4151539675 Mbl: 01987608661 2. Jahangir Alom NID: 2360551242 3. Md. Milon Kha NID: 4601748173	Village: Sat para Union: Alokballi Upazila:Narsingdi Sadar District: Narsingdi	Mouza: Char Madhobpur CS Khatian No: 3024/26/2068/98/4150 SA Plot No: 1841/7865/7877/7262/7869/7499/1815/1817/2089/7878/7885 JL No: 62	180	Agriculture land (One Crop)	Awaiting PD's Approval. Soft copy available.
D 71	7&8	1. Md. Sheikh Farid NID: 6816020734834 Mbl: 01765-995824 2. Rezon Mia NID: 7358087984 Mbl: 01677556624	Village: Sat para Union: Alokballi Upazila:Narsingdi Sadar District: Narsingdi	Mouza: Char Madhobpur CS Khatian No: 121 SA Plot No: 6711/6512/6706/6727/6712/7364/7369/7794/7868 JL No: 62	170	Agriculture land (One Crop)	Awaiting PD's Approval. Soft copy available.

Consultancy Services for: Supervision and Monitoring of Performance-Based Dredging Contracts with Maintenance Dredging and Installation and Maintenance of Navigational Aids along the Navigational Routes under the Contract

Dyke no.	Route No	Land Owner		Land			Good Faith Agreement Status
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
D 72	6	2. Sahad Mia NID: 1481632832 Mbl: 01855992870 2. Md. Jalal Fakir NID: 5851625392 Mbl: 01759252667	Village: Char Modhua Union: Char Modhua Upazila: Roypura District: Narsingdi	Mouza: Char Modhua CS Khatian No: 637 SA Plot No: 1062/1011/894/1131/42/131/806/811/913/1042/1181/1188 JL No: 123	290	Agriculture land (One Crop)	Awaiting PD's Approval. Soft copy available.
D 73	11	Abul Kasem NID: 1913621823408 Mbl: 01724340171	Village: Notun Hasnabad Union: Daud Kandi Upazila: Daud Kandi District: Cumilla	Mouza: Nando pur CS Khatian No: 44 Plot No: 158/44/41/150/67 JL No: 98	210	Agriculture land (One Crop)	GFA done
D 74	11	Foyez Uddin NID: 1913621824175 Mbl: 01928932815	Village: Notun Hasnabad Union: Daud Kandi Upazila: Daud Kandi District: Cumilla	Mouza: Nando pur CS Khatian No: 39 Plot No: 160/39/151/155/44 JL No: 92	293	Agriculture land (One Crop)	GFA done
74 dikes	04 River Routes				Total Land 9,669 (Decimal)		

Lot-3

Table 2: Status of Good Faith Agreements (GFA), for Phase-I Capital Dredging Lot 3 (23 Dyke)

Dike no.	Route No	Land Owner		Land			GFA
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
D 01	21	Salam Fakir NID: 8223014047 Mbl # 01766-138946	Village: Ghagoria Union: Ghagoria Upazila: Mehendiganj District: Barishal	Mouza: Ghagoriya. Plot no. 1901/56	200	Agriculture land (One Crop)	Leased money yet to be paid to land owner by PIU
D 02	21	Mizan Fakir NID: 6860475422 Mbl # 01712-878285	Village: Bheduriya Union: Bhola Sadar Upazila: Bhola Sadar District: Bhola	Mouza: Bheduria Plot no. 1901/28	120	Agriculture land (One Crop)	Leased money yet to be paid to land owner by PIU
D 03	21	Salam Fakir NID: 8223014047 Mbl # 01766-138946	Village: Ghagoria Union: Ghagoria Upazila: Mehendiganj District: Barishal	Mouza: Ghagoriya. Plot no. 1901/56	224	Agriculture land (One Crop)	Leased money yet to be paid to land owner by PIU
D 04	21	Jahangir Hossain NID: Mbl # 01620-487692	Village: Shreipur Union: Mehendiganj Upazila: Mehendiganj District: Barishal	Mouza: Ghagoriya. Plot no. 1501	80	Agriculture land (One Crop)	Leased money yet to be paid to land owner by PIU
D 05	21	Mizanur Rahman NID: 6860475422 Mbl # 01712-878285	Village: Ghagoria Union: Mehendiganj Upazila: Mehendiganj District: Barishal	Mouza: Ghagoriya. Plot no. 1107,1181,1182,2123,2124,2119,2125	300	Agriculture land (One Crop)	Leased money yet to be paid to land owner by PIU
D 06	21	Nur Nabi Vhuiya NID: 616213050970 Mbl # 01846-565388	Village: Ghagoria Union: Mehendiganj Upazila: Mehendiganj District: Barishal	Mouza: Ghagoriya. Plot no. 1468 (DP Khotiyan-385, DP Plot: 4662)	355	Agriculture land (One Crop)	Leased money yet to be paid to land owner by PIU
D 07	21	Nur Nabi Vhuiya NID: 616213050970 Mbl # 01846-565388	Village: Ghagoria Union: Mehendiganj Upazila: Mehendiganj District: Barishal	Mouza: Ghagoriya. Plot no. 1479 (DP Khotiyan-385, DP Plot: 4662)	435	Agriculture land (One Crop)	yet to be done
D 08	21	Zhariul Islam Nakib NID: 4192286039 Mbl # 01711-320785	Village: Bheduriya Union: Bhola Sadar Upazila: Bhola Sadar	Mouza No. Char Bheduriya Khatian No: 1319 JL No: 56	157	Agriculture land (One Crop)	yet to be done

Consultancy Services for: Supervision and Monitoring of Performance-Based Dredging Contracts with Maintenance Dredging and Installation and Maintenance of Navigational Aids along the Navigational Routes under the Contract

Dike no.	Route No	Land Owner		Land			GFA
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
			District: Bhola				
D 09	21	Kabi Hossain Mridha NID: 6878485082 Mbl # 01735-802399	Village: Ghagoria Union: Mehendiganj Upazila: Mehendiganj District: Barishal	Mouza No. Ghagoria Khatian No: 296 JL No: 118	1204	Agriculture land (One Crop)	yet to be done
D 10	21	Md. Hakim uddain NID: 1928737947 Mbl # not given	Village: Bheduria Union: Bhola Sadar Upazila: Bhola Sadar District: Bhola	Did not collect yet	768	Agriculture land (One Crop)	yet to be done
D 11	21	Ruhul amin NID: 0616213050968 Mbl # 01762-447287	Village: Shreipur Union: Mehendiganj Upazila: Mehendiganj District: Barishal	Mouza. Shreepur Survey no. 47 Khatian No: 502,525,526 JL No: 120	444	Agriculture land (One Crop)	yet to be done
D 12	21	Harun chairman NID: Under processing Mobile # 01712-404378	Village: Shreipur Union: Mehendiganj Upazila: Mehendiganj District: Barishal	Did not collect yet	73	Agriculture land (One Crop)	yet to be done
D 13	21	Harun chairman NID: Under processing Mobile # 01712-404378	Village: Shreipur Union: Mehendiganj Upazila: Mehendiganj District: Barishal	Did not collect yet	128	Agriculture land (One Crop)	yet to be done
D 14	21	Mizanur Rahman Harun NID: 6860475422 Mobile # 01712-878285	Village: Shampur Union/post: Kalupur Upazila: Bhola Sadar	Did not collect yet	1017	Agriculture land (One Crop)	yet to be done
D 15	21	Mizanur Rahman Harun NID: 6860475422 Mobile # 01712-878285	Village: Sreepur Union: Mehendiganj Upazila: Mehendiganj District: Barishal	Did not collect yet	1572	Agriculture land (One Crop)	yet to be done
D 16	21	Kamal hossain (member) NID: Not given by contractor Mbl:	Village: Ghagoria Union: Bhola Sadar Upazila: Bhola Sadar District: Bhola	Did not collect yet	1000	Agriculture land (One Crop)	yet to be done
D 17	21	Salam Fakir NID: 8223014047 Mbl # 01766-138946	Village: Ghagoria Union: Ghagoria Upazila: Mehendiganj District: Barishal	Did not collect yet	84	Agriculture land (One Crop)	yet to be done
D 18	21	Harun chairman NID: under process Mbl # under process	Village: Ghagoria Union: sreepur Upazila: Mehendiganj District: Barishal	Did not collect yet	171	Agriculture land (One Crop)	yet to be done
D 19	16	MD.Amir hossain Jomaddar NID: 8225574485 Mbl # 01718051191	Village: Sadequepur Union: Mehendiganj Upazila: Mehendiganj District: Barishal	Did not collect yet	1443	Agriculture land (One Crop)	yet to be done
D 20	16	1. Adv. Md Khorshed NID: 7328539411 2. Adv. Md Jakir Hossain NID: 0616213038313 Mbl # 01770198608	Village: Char Mitua Union: Alimabad Upazila: Mehendiganj District: Barishal	Mouza: Char mohisa. Plot no. 324, 325, 326, 344, 345, 346	1294	Agriculture land (One Crop)	yet to be done
D 21	13	Md. Ali Bapari NID: not given Mbl # 01739224610	Village: Narshinshopur Union: Shokhipur Upazila: Bhedorganj District: Shariotpur	Did not collect yet	574	Agriculture land (One Crop)	yet to be done

Consultancy Services for: Supervision and Monitoring of Performance-Based Dredging Contracts with Maintenance Dredging and Installation and Maintenance of Navigational Aids along the Navigational Routes under the Contract

Dike no.	Route No	Land Owner		Land			GFA
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
D 22	13	Government land	Village: Lokkhir char Union: Upazila: Chandpur sadar District: Chandpur	Did not collect yet	400	Fallow Land	N/A
D 23	13	1. Md. Dulal Khan NID: Not given by land owner Mbl # 01729-505858 2.Md. Monir Hossain NID: Not given by land owner Mbl # 01791-330411	Village: Narshinshopur Union: Shokhipur Upazila: Bhedorganj District: Shariotpur	Did not collect yet	446	Agriculture land (One Crop)	yet to be done
Total dyke=23	Total Route = 03				Total Land (Decimal) = 12,489		

Note: This list will be updated from time to time including the dredged soil volume disposed in the dike and the amount of revenue deposited to the government treasury.

ANNEX II: Photos of Project Activities (September 2024)

Progress Meetings, Communication, Consultation, Field Visit, Survey, and Sample Collection:



ANNEX III:

Laboratory Test Results of Environmental Parameters, September, 2024

Laboratory Test Result of Lot-2:



Ref: ELRC/Air Quality/2024307912

Project Name	:	BRWTP-1, LOT-2: OPBC Works of Development Dredging with maintenance and Aids to Navigation with installation along inland waterway Routes- 3 & 4, 5, 6, 7 & 8, 9,10, and 11
Monitoring Activity	:	Ambient Air Quality
Location	:	AQ1: Near Salimganj Bridge; Route-9 (23.847550°N 90.843800°E) AQ2: Near Bishmurampur Govt. Primary School; Route-9 (23.824256°N 90.846691°E)
Monitoring Date	:	18.09.2024
Reporting Date	:	01.10.2024

Description of Analysis:

Location	Sampling Date	Ambient Air Pollutants' Concentration in µg/m3					CO mg/m3
		SPM	PM10	PM2.5	SO2	NO2	
AQ1	18/09/2024	158.27	78.93	41.52	26.53	38.68	0.7
AQ 2	18/09/2024	149.64	71.22	38.28	22.45	34.01	0.7
Air Pollution (control) rules, 2022*		-	150	65	80	80	5
Method of Analysis Instrument Use: Haz-Scanner TM (HIM, 6000)		Particulates Sensor Light Scattering Nephelometer			High Sensitivity Electrochemical		

Note: * Air Pollution (Control) Rules, 2022

Legend: PM₁₀ -Particulate Matter of a diameter of 10 microns or less. PM_{2.5} -Particulate Matter of a diameter of 2.5 microns or less, SO₂ -Sulphur Dioxide; NO₂ -Nitrogen-Dioxide; CO -Carbon Monoxide



Office Address:
Flat #F1, House # Ta-134/A
Baishakhi Sarani, Gulshan-Badda
Link Road, Dhaka-1212, Bangladesh

Tel: +(880) 248810789-90
+88(02) 9884077
Mobile: +(880) 1911702074
Email: info@elrcbd.com, elrcbd@gmail.com
www.elrc.com.bd





Ref: ELRC/Noise Level/2024307913

Project Name	:	BRWTP-1, LOT-2: OPBC Works of Development Dredging with maintenance and Aids to Navigation with installation along inland waterway Routes- 3 & 4, 5, 6, 7 & 8, 9,10, and 11.
Monitoring Activity	:	Noise Level
Location	:	NL1: Near Salimganj Bridge; Route-9 (23.847550°N 90.843800°E) NL2: Near Bishnurampur Govt. Primary School; Route-9 (23.824256°N 90.846691°E)
Monitoring Date	:	18.09.2024
Reporting Date	:	01.10.2024

Description of Analysis:

Location	Noise level (dB(A))			Bangladesh Standard (dB(A)) *	IFC EHS Guideline (2007)	Location setting
	Leq _{day}	L _{max}	L _{min}	Day	Day	
NL1	55.7	62.4	32.6	60	70	Mixed area
NL2	51.9	57.2	31.8	60	70	

Note:

*Ministry of Environment, Forest, and Climate Change. (2006). Noise Pollution (Control) Rules, 2006 (S.R.O. No. 212-Law/2006). The People's Republic of Bangladesh.

A-weighted decibel, abbreviated dB(A), is an expression of the relative loudness of sounds in air as perceived by the human ear. In the A-weighted system, the decibel values of sounds at low frequencies are reduced, as the ear is less sensitive to low audio frequencies, especially below 1000 Hz, than to high audio frequencies.



Office Address:
Flat #F1, House # Ta-134/A
Baishakhi Sarani, Gulshan-Badda
Link Road, Dhaka-1212, Bangladesh

Tel: +(880) 248810789-90
+88(02) 9884077
Mobile: +(880) 1911702074
Email: info@elrcbd.com, elrcbd@gmail.com
www.elrc.com.bd





Ref: ELRC/Underwater Noise Level/2024307914

Project Name	:	BRWTP-1, LOT-2: OPBC Works of Development Dredging with maintenance and Aids to Navigation with installation along inland waterway Routes- 3 & 4, 5, 6, 7 & 8, 9,10, and 11.
Monitoring Activity	:	Noise Level
Location	:	UWNL1: Titas River; Route-9 (23.846800°N 90.844700°E)
Monitoring Date	:	18.09.2024
Reporting Date	:	01.10.2024

Description of Analysis:

Code	Location	L _{Avg} [dB (A)]	*Standard
UWNL1	Titas River; Route-9	47.9	No International/ GoB Standard



Office Address:

Flat #F1, House # Ta-134/A
Baishakhi Sarani, Gulshan-Badda
Link Road, Dhaka-1212, Bangladesh

Tel: +(880) 248810789-90
+88(02) 9884077
Mobile: +(880) 1911702074
Email: info@elrcbd.com, elrcbd@gmail.com
www.elrc.com.bd





Ref: ELRC/Surface Water Quality/2024307915

Project Name	: BRWTP-1, LOT-2: OPBC Works of Development Dredging with maintenance and Aids to Navigation with installation along inland waterway Routes- 3 & 4, 5, 6, 7 & 8, 9,10, and 11.
Description of Sample	: Surface Water – Lot 2
Location	: SW1: Titas River; Route-9 (23.836600°N 90.845400°E) SW2: Titas River; Route-9 (23.849000°N 90.845700°E)
Sampling Date	: 18.09.2024
Reporting Date	: 01.10.2024

Description of Analysis:

Parameters	Unit	Concentration Present		Bangladesh Standard
		SW1	SW2	
Temperature	°C	27.5	27.8	-
EC	µS/cm	320	345	-
Turbidity	NTU	3.9	4	-
pH	-	7.73	7.77	6-9
TDS	ppm	168	170	1000
DO	mg/L	6.4	6.3	5 or more
Potassium	mg/L	28	25	-
Calcium	mg/L	34	31	-
Magnesium	mg/L	18	22	-
Phosphate	mg/L	1.2	1.2	-
Chloride	mg/L	27	29	-
Fluoride	ppm	0.8	0.9	-
Nitrate	mg/L	0.7	0.6	7
BOD5 (at 20°C)	mg/L	4.6	4.5	6 or less
Sulfate	mg/L	20	21	-
TSS	mg/L	175	178	-

Note: Bangladesh Environment Conservation Rules, 1997- Schedule 3 (Standards for Inland Surface Water). DO: Dissolved Oxygen; BOD: Biological Oxygen Demand; EC: Electric Conductivity; TDS: Total Dissolved Solids; TSS: Total Suspended Solids



Office Address:
Flat #F1, House # Ta-134/A
Baishakhi Sarani, Gulshan-Badda
Link Road, Dhaka-1212, Bangladesh

Tel: +(880) 248810789-90
+88(02) 9884077
Mobile: +(880) 1911702074
Email: info@elrcbd.com, elrcbd@gmail.com
www.elrc.com.bd





Ref: ELRC/Sediment Quality/2024307917

Project Name	:	BRWTP-1, LOT-2: OPBC Works of Development Dredging with maintenance and Aids to Navigation with installation along inland waterway Routes- 3 & 4, 5, 6, 7 & 8, 9,10, and 11.
Description of Sample	:	Sediment Quality– Lot 2
Location	:	Sed Q1 - Titas River; Route-9 (23.846369°N 90.844596°E)
Sampling Date	:	18.09.2024
Reporting Date	:	01.10.2024

Description of Analysis:

Parameter	Unit	Sediment Quality – Lot 2	Methodology	Dutch Environmental Standard (mg/kg)
		Sed Q1		
Lead	mg/kg	16.73	ICPMS	85
Cadmium	mg/kg	0.059	ICPMS	0.8
Chromium	mg/kg	14	ICPMS	100
Zinc	mg/kg	19.18	ICPMS	140
Arsenic	mg/kg	1.4	ICPMS	29

Note: ICPMS - Inductively coupled plasma mass spectrometry



Office Address:
Flat #F1, House # Ta-134/A
Baishakhi Sarani, Gulshan-Badda
Link Road, Dhaka-1212, Bangladesh

Tel: +(880) 248810789-90
+88(02) 9884077
Mobile: +(880) 1911702074
Email: info@elrcbd.com, elrcbd@gmail.com
www.elrc.com.bd



Laboratory Test Result of Lot-3:



Ref: ELRC/Air Quality/ AQMM2024-08

Project Name	:	BIWTP -1, LOT-3: OPBC Works of Development Dredging with maintenance and Aids to Navigation with installation along inland waterway Routes- 12,13,13a, 15 &16, 17 and 21
Monitoring Activity	:	Ambient Air Quality
Monitoring Date	:	18.09.2024
Monitoring Location	:	Route 16; (AQ-1)- 22°47'17.21"N 90°31'33.31"E

Description of Analysis:

Location	Sampling Date	Ambient Air Pollutants' Concentration in µg/m ³					CO mg/m ³
		SPM	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	
AQ-1, Route 16	18/09/2024	60.44	35.09	16.20	12.65	15.83	0.5
Air Pollution (control) rules, 2022*		-	150	65	80	80	5
Method of Analysis		Particulates Sensor			High Sensitivity		
Instrument Use:		Light Scattering Nephelometer			Electrochemical		
Haz-Scanner TM (HIM, 6000)							

Note: * Air Pollution (Control) Rules, 2022

Legend: PM₁₀-Particulate Matter of a diameter of 10 microns or less. PM_{2.5}-Particulate Matter of a diameter of 2.5 microns or less, SO₂-Sulphur Dioxide; NO₂-Nitrogen-Dioxide; CO -Carbon Monoxide

Office Address:
Flat #F1, House # Ta-134/A
Baishakhi Sarani, Gulshan-Badda
Link Road, Dhaka-1212, Bangladesh

Tel: +(880) 248810789-90
+88(02) 9884077
Mobile: +(880) 1911702074
Email: info@elrcbd.com, elrcbd@gmail.com
www.elrc.com.bd





Ref: ELRC/ Underwater Noise Level/ UWNL2024-08

Project Name	:	BIWTP -1, LOT-3: OPBC Works of Development Dredging with maintenance and Aids to Navigation with installation along inland waterway Routes- 12,13,13a, 15 &16, 17 and 21
Monitoring Activity	:	Underwater Noise Level
Location	:	UWNL1 22°47'20.74"N 90°31'37.51"E, Route-16 UWNL2 22°42'17.67"N 90°33'39.17"E, Route-21
Monitoring Date	:	18.09.2024

Description of Analysis:

Code	Location	L _{Avg} [dB (A)]	*Standard
		[dB (A)]	
UWNL1	Route 16	63.88	No standard of International / GoB
UWNL2	Route 21	68.40	

Office Address:
Flat #F1, House # Ta-134/A
Baishakhi Sarani, Gulshan-Badda
Link Road, Dhaka-1212, Bangladesh

Tel: +(880) 248810789-90
+88(02) 9884077
Mobile: +(880) 1911702074
Email: info@elrcbd.com, elrcbd@gmail.com
www.elrc.com.bd





Ref: ELRC/Noise Level/ NLMM2024-08

Project Name	: BIWTP -1, LOT-3: OPBC Works of Development Dredging with maintenance and Aids to Navigation with installation along inland waterway Routes- 12,13,13a, 15 &16, 17 and 21
Monitoring Activity	: Noise Level
Location	: NL1 22°47'18.22"N 90°31'32.39"E, (Route 16) : NL2 22°42'20.59"N 90°33'46.28"E, (Route 21)
Monitoring Date	: 18.09.2024

Description of Analysis:

Location	Noise level (dB(A)) ¹			Bangladesh Standard (dB(A)) ²	IFC EHS Guideline (2007) ³	Location setting
	Leq _{day}	L _{max}	L _{min}	Day	Day	
NL1	61.22	72.30	38.06	-	-	-
NL2	66.81	84.55	36.92	-	-	-

Note:

*Ministry of Environment, Forest, and Climate Change. (2006). Noise Pollution (Control) Rules, 2006 (S.R.O. No. 212-Law/2006). The People's Republic of Bangladesh.

A-weighted decibel, abbreviated dB(A), is an expression of the relative loudness of sounds in air as perceived by the human ear. In the A-weighted system, the decibel values of sounds at low frequencies are reduced, as the ear is less sensitive to low audio frequencies, especially below 1000 Hz, than to high audio frequencies.

¹ A-weighted decibel, abbreviated dB(A), is an expression of the relative loudness of sounds in air as perceived by the human ear. In the A-weighted system, the decibel values of sounds at low frequencies are reduced, as the ear is less sensitive to low audio frequencies, especially below 1000 Hz, than to high audio frequencies.

²Ministry of Environment, Forest, and Climate Change. (2006). Noise Pollution (Control) Rules, 2006 (S.R.O. No. 212-Law/2006). The People's Republic of Bangladesh.

³ Guidelines values are for noise levels measured out of doors. Source: Guidelines for Community Noise, World Health Organization (WHO), 1999

Office Address:
Flat #F1, House # Ta-134/A
Baishakhi Sarani, Gulshan-Badda
Link Road, Dhaka-1212, Bangladesh

Tel: +(880) 248810789-90
+88(02) 9884077
Mobile: +(880) 1911702074
Email: info@elrcbd.com, elrcbd@gmail.com
www.elrc.com.bd





Ref: ELRC/Surface Water Quality/ SWMM2024-08

Project Name	:	BIWTP -1, LOT-3: OPBC Works of Development Dredging with maintenance and Aids to Navigation with installation along inland waterway Routes- 12,13,13a, 15 &16, 17 and 21
Description of Sample	:	Surface Water
Location	:	Route- 16 & 21.
		SW1 - 22°47'26.08"N 90°31'30.52"E, Route 16
		SW2 - 22°42'16.63"N 90°33'44.57"E, Route 21
Sampling Date	:	18.09.2024

Description of Analysis:

Parameters	Unit	Concentration Present (Route – 16 & 21)		Bangladesh Standard
		SW1	SW2	
Temperature	°C	26.7	27.4	-
EC	µS/cm	270	281	-
Turbidity	NTU	5.8	5.6	-
pH	-	7.10	7.32	6 - 9
TDS	ppm	131	134	1000
DO	mg/L	7.5	7.8	5 or more
Potassium	mg/L	8.4	8.5	-
Calcium	mg/L	<0.01	<0.01	-
Magnesium	mg/L	14	19	-
Phosphate	mg/L	<0.01	<0.01	0.05
Chloride	mg/L	2.8	3.4	-
Fluoride	ppm	0.9	0.7	-
Nitrate	mg/L	0.5	0.9	7.0
BOD5 (at 20°C)	mg/L	1.4	1.7	6 or less
Sulfate	mg/L	14	17	-
TSS	mg/L	58	77	-

Note: * Bangladesh Environment Conservation Rules-2023, Schedule 2(Ka) (Water Usable for Fisheries). DO: Dissolved Oxygen; BOD: Biological Oxygen Demand; EC: Electric Conductivity; TDS: Total Dissolved Solids; TSS: Total Suspended Solids

Office Address:
Flat #F1, House # Ta-134/A
Baishakhi Sarani, Gulshan-Badda
Link Road, Dhaka-1212, Bangladesh

Tel: +(880) 248810789-90
+88(02) 9884077
Mobile: +(880) 1911702074
Email: info@elrcbd.com, elrcbd@gmail.com
www.elrc.com.bd





Ref: ELRC/ Riverbed sediment / SDMM2024-08

Project Name	:	BIWTP -1, LOT-3: OPBC Works of Development Dredging with maintenance and Aids to Navigation with installation along inland waterway Routes- 12,13,13a, 15 & 16, 17 and 21
Description of Sample	:	Riverbed sediment – Lot 3
Sampling Date	:	18.09.2024

Location Details:

Code	Route No.	GPS Location
SedQ1	Route 16	22°47'35.08"N 90°31'15.20"E
SedQ2	Route 21	22°42'18.84"N 90°33'33.79"E

Description of Analysis:

Parameter	Unit	Riverbed sediment – Lot 3		Methodology	Dutch Environmental standard (mg/kg)
		SedQ1	SedQ2		
Lead	mg/kg	7.88	9.40	ICPMS	85
Cadmium	mg/kg	0.050	0.053	ICPMS	0.8
Chromium	mg/kg	8.65	10.50	ICPMS	100
Zinc	mg/kg	17.33	20.99	ICPMS	140
Arsenic	mg/kg	1.01	1.35	ICPMS	29

Note: ICPMS - Inductively coupled plasma mass spectrometry

Office Address:
Flat #F1, House # Ta-134/A
Baishakhi Sarani, Gulshan-Badda
Link Road, Dhaka-1212, Bangladesh

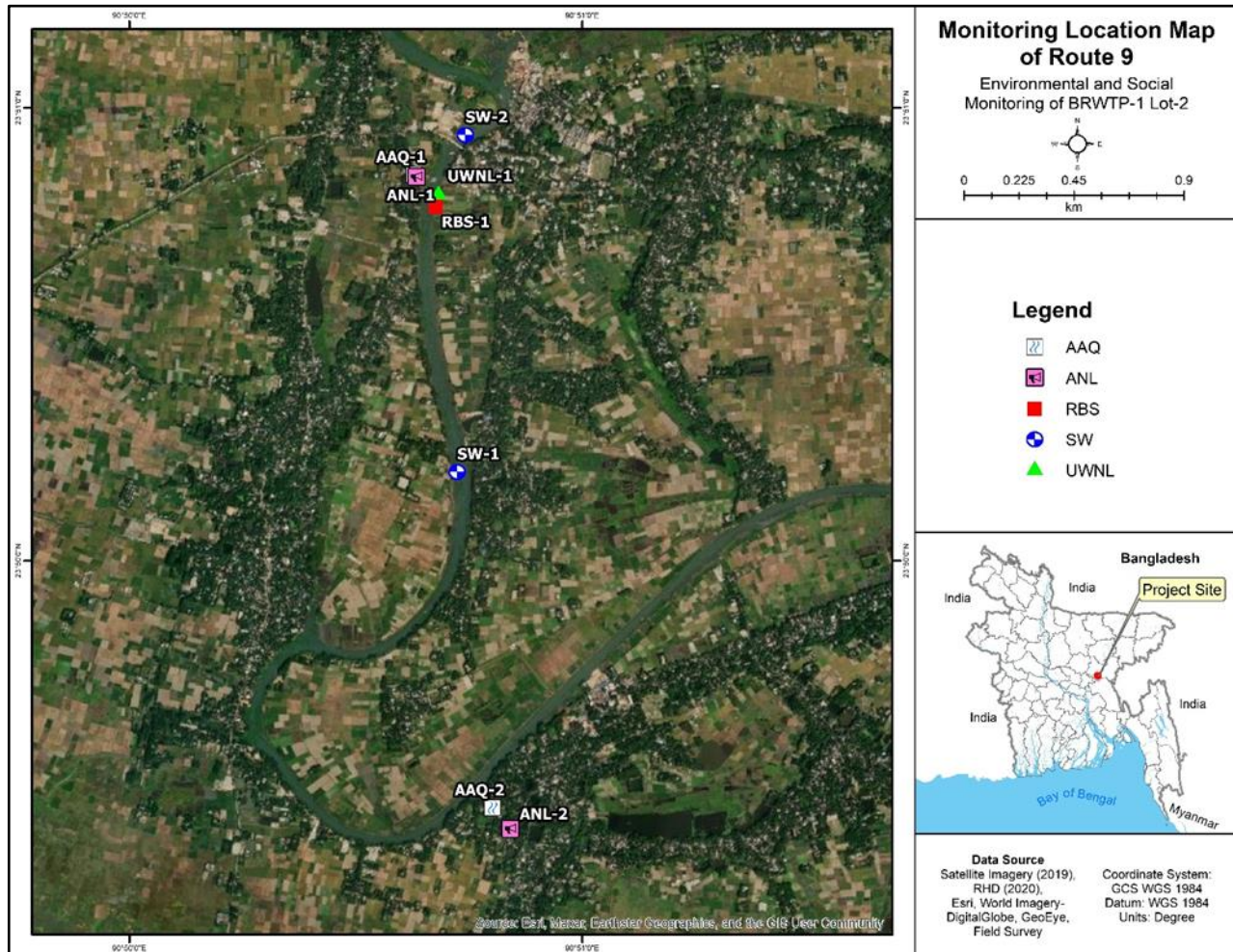
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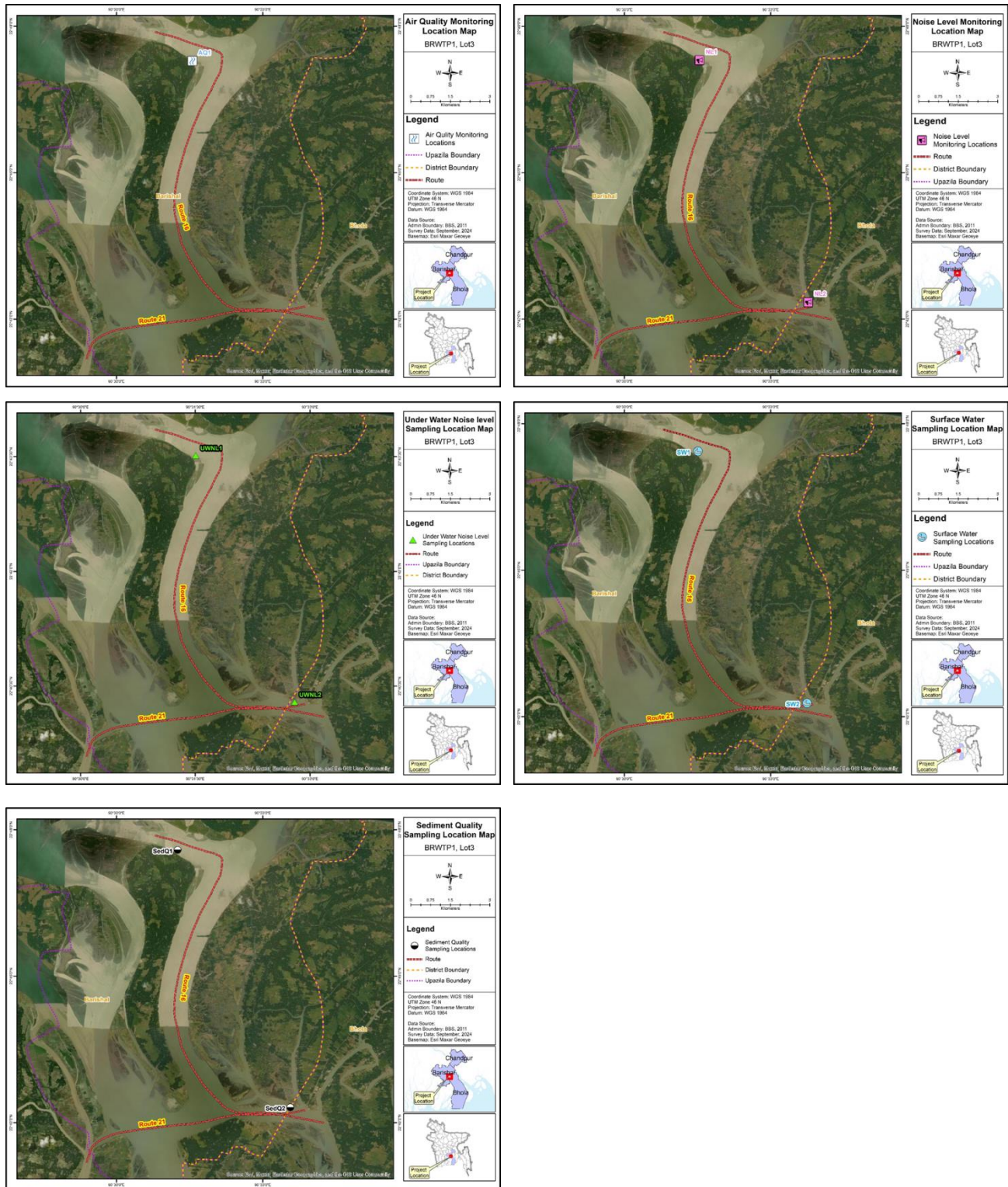
ANNEX IV:

Location of Environmental Sample Collection, September 2024

Location Map Environmental Sample Collection at Lot-2 sites (September 2024):



Location Map Environmental Sample Collection at Lot-3 sites (September 2024):



ANNEX V:

Environmental Quality Assessment and Compliance Status for September 2024

Table 1: Environmental Quality Assessment for September 2024 for Lot-2

Sl No.	Item	Parameters	Baseline Data of Route 09	Route-9	SIA Remarks August 2024
			January 2023	September 2024	
1	Air Quality	SPM	140.34	158.27	*WAL
		PM10	58.34	78.93	WAL
		PM2.5	31.43	41.52	WAL
		SO2	15.29	26.53	WAL
		NO2	12.75	38.68	WAL
		CO	1.3	0.7	WAL
2	Noise Level	LEQ day	61.6	55.7	WAL
		Lmax	76	62.4	WAL
		Lmin	42.8	32.6	WAL
3	Underwater Noise Level	LAvg [dB (A)]	-	47.9	WAL
4	Surface Water Quality	Temperature	22.1	27.5	WAL
		EC	170	320	WAL
		pH	7.20	7.77	WAL
		TDS	160	168	WAL
		DO	4.5	6.4	WAL
		BOD5	10	4.5	WAL
		TSS	83	178	WAL
		Lead (Pb)	9.79	16.73	WAL
5	Riverbed Sediment	Cadmium (Cd)	0.054	0.059	WAL
		Chromium(Cr)	15.94	14	WAL
		Zinc (Zn)	26.32	19.18	WAL
		Arsenic (As)	1.96	1.4	WAL
		Lead (Pb)	-	-	WAL
6	Dredged Material	Cadmium (Cd)	-	-	WAL
		Chromium (Cr)	-	-	WAL
		Zinc (Zn)	-	-	WAL
		Arsenic (As)	-	-	WAL
		Lead (Pb)	-	-	WAL

*WAL=Within Approved Limit; - = Sample was not collected.

Table 2: Compliance Status for September 2024 for Lot-2

Visual Monitoring Compliance								
Potential Aspects	Description	EMP Measures (Proposed in the EIA)	Measures Already Implemented	Compliance Status			Remarks/ Recommendation	Recommended deadline for implementing the corrective measures
				C	P	N		
Aquatic Flora & Fauna including Plankton, Benthos, fish, dolphin	Observations included 31 fish species and 3 crustacean species, with no fish mortality recorded. One Ganges River Dolphin was sighted near Char Modhua during the monitoring period. No freshwater turtles were observed, and locals confirmed their absence in recent months.	Mitigation measures not required	No mitigation measure was suggested by the Lot 2 monitoring team.	-	P	-	It is recommended to communicate with the Department of Fisheries regarding the conservation of endangered species and the destructive fishing gear used by local fishermen. The water level is currently high, increasing the possibility of dolphins venturing into the river. It is recommended to dedicate ample time to observation	
Sediment Dispersion	Not measured	-	-	-	-	N	Contractors were notified to measure sediment plume on the 1st of March 2023, followed by verbal instruction and reminder emails	No action taken or data provided by the contractors yet. Will be reminded again.

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Visual Monitoring Compliance								
Potential Aspects	Description	EMP Measures (Proposed in the EIA)	Measures Already Implemented	Compliance Status			Remarks/ Recommendation	Recommended deadline for implementing the corrective measures
				C	P	N		
Riverbank Erosion	There were no issues regarding riverbank erosion or flooding.	Dredger stopped and relocated	Dredger stopped and relocated some protection measures taken	C	-	-	Stop dredging and relocate	Recommended reporting to the authorities and stop dredging
Hydrological Conditions	Surveyed before dredging			C				
Drainage Congestion	No remarkable congestion was observed at the dredged material disposal sites.			-	P	-	No reports of any drainage congestion. Regular monitoring	Keep clear all drainage channels. Regular monitoring
River Traffic/ Transport	River traffic-related signboards have already been fixed to ensure a safe river traffic movement		No mitigation measure is required		P	-	Install river traffic and navigation-related signboards	Urged to expedite the installation of the remaining Aids to Navigation items immediately to ensure timely completion.
Accidental Spillage	No reports yet	Oil spill emergency plan. 24/7 ready plan	-		P	-	Logbook to be maintained, in case, of any incident, report to the authority	No action taken yet
Sediment leakages from pipes and sediment disposal	No significant leakages were observed with the floater and/or delivery pipe	Maintain pipes	Pipes regularly checked	-	P	-	Stop dredging, fix the problem before resumption; and report to the authority	
Drinking water & sanitation	Safe drinking water is being supplied	Source to be mentioned	-	-	C	-	-	Source of drinking water to be mentioned
Safety of workers	Occupational safety		PPEs provided	-	-	P	Monitor the use of PPEs	Regular monitoring, punitive measures for not using PPEs, or Awareness programs for using PPEs. Besides, need to provide an adequate number of PPEs.
Waste management	Waste bins have been placed on the houseboat as well as in the dredger and maintained		-	-	C	-	Colored collection bins for organic and non-organic solid wastes; no wastes in the river	Mention later stages, what happens after collection from waste bins
Cultural and archeological Sites	Preservation of such sites		x	-	x	x	Stop dredging, report to the authorities	-
Wastewater	Drained properly		-	-	-	P	-	-

Note: The table was prepared based on observations from the field visit.

Table 3: Environmental Quality Assessment for September 2024 for Lot 3

SI No.	Item	Parameters	Baseline Data of Route 16	Route 16	Baseline Data of Route 21	Route 21	SIA Remarks September 2024
				September 2024		September 2024	
1	Ambient Air Pollutants' Concentration in $\mu\text{g}/\text{m}^3$	SPM	170.65	60.44	165.12	-	WAL
		PM10	81.24	35.09	72.15	-	WAL
		PM2.5	42.85	16.20	47.28	-	WAL
		SO2	16.44	12.65	13.69	-	WAL
		NO2	21.40	15.83	22.18	-	WAL
		CO	1.1	0.5	0.6	-	WAL
2	Noise Level	LEQ day	53.5	61.22	62.35	66.81	WAL
		Lmax	75.7	72.30	82.53	84.55	Mixed Area.
		Lmin	32.8	38.06	39.76	36.92	WAL
3	Under Water Noise Level	LAvg [dB (A)]		63.88	-	68.40	WAL
		Temperature	22.0	26.7	24.8	27.4	WAL

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Sl No.	Item	Parameters	BaselineData of Route 16	Route 16	BaselineData of Route 21	Route 21	S1A Remarks September 2024
				September 2024		September 2024	
4	Surface Water Quality	EC	280	270	290	281	WAL
		pH	7.91	7.10	7.77	7.32	WAL
		TDS	140	131	137	134	WAL
		DO	6.3	7.5	7.0	7.8	WAL
		BOD5	0.6	1.4	1.5	1.7	WAL
		TSS	29	58	86	77	WAL
5	Riverbed Sediment	Lead	12.01	7.88	10.17	9.40	WAL
		Cadmium	0.058	0.050	0.054	0.053	WAL
		Chromium	17.14	8.65	12.76	10.50	WAL
		Zinc	38.65	17.33	23.48	20.99	WAL
		Arsenic	2.01	1.01	1.57	1.35	WAL

*WAL=Within Approved Limit.

Table 4: Compliance Status for September 2024 for Lot-3

Visual Monitoring Compliance								
PotentialAspects	Description	EMP Measures (Proposed in the EIA)	Measures Already Implemented	ComplianceStatus			Remarks/ Recommendation	Recommended deadline for implementing the corrective measures
				C	P	N		
Aquatic Floraand Fauna including Plankton, Benthos, fish,dolphin	26 fish species and 5 crustacean species (prawn) were observed in river routes 12 and 13, with no visible fish mortality around the dredging site. The monitoring team did not observe any Ganges River Dolphins within 500m upstream or downstream of the dredging site, nor any freshwater turtles in the dredging or adjacent areas.	Mitigation measures not required	No mitigation measure is required in the reporting period	-	P	-	Lo2 and Lot 3 ESHS staffs were advised to be physically present while dredging is ongoing to give more effort and to spend more time on regular monitoring of the habitat and biodiversity.	To be practiced every month
Sediment Dispersion	Not measured	x	No mitigation measure is required in the reporting period	-	-	N	Contractors were notified to measure the sediment plume on the 1st of March 2023. Reminders were given verbally and by email	No action taken or data provided by the contractors yet. Will be reminded again
RiverbankErosion	No reports of riverbank erosion or flooding occurred during the reporting month.	Regular monitoring		-	P	-		Regular monitoring
Hydrological Conditions	Surveyed before dredging							
Drainage Congestion	No drainage congestion was observed during this month.				P	-	No reports of any drainage congestion	To be monitored regularly, early mornings and evenings
River Traffic/Transport	No traffic-related problems were identified	Appropriate aids to navigation to be installed	Procurement of aids to navigation under process	-	P	-	River traffic-relatedsign boards observed	Appropriate aids to navigation to be installed soon, some.
AccidentalSpillage	No reports yet	Monitoring and preparednessto handle any accidental spillage	No spills from chemical storage	-	P	-	Emergency oil spill management plan	Emergency Plan in place, to be updated if necessary

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Visual Monitoring Compliance								
PotentialAspects	Description	EMP Measures (Proposed in the EIA)	Measures Already Implemented	ComplianceStatus			Remarks/ Recommendation	Recommended deadline for implementing the corrective measures
				C	P	N		
Sediment leakages frompipes and sediment disposal	No reports of any leakage	Maintain pipes, regular checking	During this reporting month, no leakage was found in the dredge pipe. Pipes regularly checked	-	P	-	No reports ofleakage	Stop dredging, fix the problem before resumption; and report to the authority
Drinking water& sanitation	Safe drinking water is beingsupplied			C	-	-		Drinking water source to be mentioned
Safety ofworkers	Occupational safety		PPEs provided	-	-	N	Awareness of using PPEs	Give warning notice to workers
Waste management	Waste bins have been placedon the houseboat as well as in the dredger and maintained		-	C	-	-	Colored collection bins for organic andnon-organic solid wastes; no wastes inthe river	Mention the end process where does the waste go from the bins?
Cultural and archeological Sites	Preservation of such sites		x	-	x	x	Stop dredging,report to the authorities	-
Wastewater	From houseboats, dikes, etc.	Treated, release after settling	Not described	-	-	N	To be treated before release	-