











Government of the People's Republic of Bangladesh



Bangladesh Inland Water Transport Authority (BIWTA)



The World Bank



MONTHLY PROGRESS REPORT APRIL 2024

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



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EXECUTIVE SUMMARY

Background

The Bangladesh Regional Waterway Transport Project-1 (Chittagong-Dhaka-Ashuganj Corridor of the Government of Bangladesh (GoB) is to develop the Inland Water Transport (IWT) sector and related infrastructure between Dhaka-Chittagong and Dhaka-Ashuganj River corridors and linked corridors. The Project has three major components. Component 1 includes dredging and maintaining the river corridors and ferry routes within the Project area through a performance-based contract. JPZ-DEMAS-JCL, the consulting firm referred to as S1A has started the supervision and monitoring work under this component since December 2022. The project is financed by the World Bank (WB) and implemented, and administered by the Bangladesh Inland Water Transport Authority (BIWTA), under the Ministry of Shipping (MoS).

The works package on dredging shall operate for 66 (Sixty-six) months on the river routes 3, 4, 5, 6, 7 & 8, 9, 10, and 11 by Contractor GULF-COBLA KARNAFULY JV herein referred to as Lot-2, and 12, 13 & 13a, 15 & 16, 17 and 21 by Contractor DHARTI-BANGA JV herein referred to as Lot-3; under Bangladesh Regional Waterway Transport Project -1 (BRWTP-1), Contract Number BRWTP, W1A-02 and BRWTP W1A-03 respectively.

Progress of the Contractors during the Reporting Period – April 2024

Under Lot-2, during the reporting period, a dispute emerged among the local population concerning the selection of land for the construction of dykes for dredged material disposal along River Route 09. Consequently, dredging operations were halted following orders from the local administration on 2nd April 2024. After the Eid-ul-Fitr holidays, on April 15, the S1A consultant team, in collaboration with PIU, initiated discussions with the District Commissioner (DC) and respective Upazila Nirbahi Officers (UNOs). Through engagement with various stakeholders, the issue was finally resolved and subsequently, dredging activities resumed on Route 09 in the following month of May 2024. Meanwhile, dredging continued uninterrupted on other routes, namely River Route 07&08 and River Route 11 up to 30th April. The total cutting length was 426 m and the total volume was 22392.73 cubic meters within Lot-2 sites this month.

During this reporting period, the dredger Banga Sitalakhya operated until April 6th along Route 16 (Patarhat-Bheduria), completing a total cutting length of 4,943.63 meters and dredging a cumulative volume of 375,552.69 cubic meters.

Meanwhile, Banga Padma, Banga Jamuna, and Banga Shitalakkhya remained engaged in dredging activities along River Route 21 at Lot 3 throughout the reporting period. The combined cutting length totaled 11,006 meters, with a dredged volume reaching 745,392.7 cubic meters.

Traffic-related issues were absent, and safety measures, including well-maintained fire extinguishers and first aid boxes, were in place. Grievances related to selecting a dyke location were solved by the local people, indicating a positive work environment. New employees will be recruited to expedite the work finishing on time, and implement safety procedures during the reporting month. Overall, no significant environmental impacts were detected.

The Consultant's activities during the Reporting Period

Throughout this month, the field team diligently visited both Lot-2 and Lot-3 sites daily. Thus far, they have selected a total of 68 dykes across the two Lots. Consultations with District and Upazila-level Local Government representatives and landowners were conducted where necessary. At the central level, several meetings both in person and online took place during this month involving representatives from the World Bank, PIU, BIWTA, and contractors. These meetings focused on reviewing the progress of dredging work and addressing environmental and social concerns as well as river boundary, cutting length, cutting volume, etc.

Although there are no obstacles in continuing dredging work from the Contractor side of Lot 3, the issues that are often asked to be emphasized from the field level of S1A are as follows:

- Political interference complicates disposal area and dyke selection, with local figures overriding established rules.
- Inadequate control of site runoff and dredge water discharge due to ineffective use of containment structures.
- Operational challenges due to low tide affecting dredger functionality.
- Absence of proper liquid and solid waste management systems on vessels and dredgers, and
- Insufficient availability of IHO standard survey boats and instruments like multi-beam echo sounders and associated software on-site.

In April 2024, environmental samples were collected from both the Lots (Lot-2 and Lot-3) at two points (River Route 7&8 and River Route 21) of the rivers undergoing dredging, with no notable results found. S1A Consultant highlighted the need for more practical measures in collecting environmental data from these sites, emphasizing the importance of enhanced precautions. Key recommendations include providing detailed descriptions of the dredging and disposal sites, including information on habitat, biodiversity, and land tenure; measuring underwater noise at a standard distance of 50 meters from the operating dredger; marking all sampling sites on a map in monthly reports; timestamping all photographs; and dedicating more effort to collecting or gathering biodiversity information due to its insufficient detail in the reports.

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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

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 Organisation

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

Vessel Storm Shelter

SOB Survey of Bangladesh
TBM Temporary Bench Mark

UTM Universal Transverse Mercator

WB World Bank

VSS

WGS World Geodetic System

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CHAPTER 01: PROJECT DESCRIPTION IN A BRIEF

1.1 Basic Information

Project Name 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 21st December, 2022; Duration of 66 months

Date of Commencement 6th December, 2022; Duration of 66 months

Phase I: 18 Months, Phase II: 12 Months, Phase III: 36

Months

Total Routes 12

Route Nos. under dredging Lot-2: 3 & 4, 5, 6, 7 & 8, 9, 10, 11

activities

Lot-3: 12, 13 & 13a, 15 & 16, 17, 21

1.2 Location of the Project

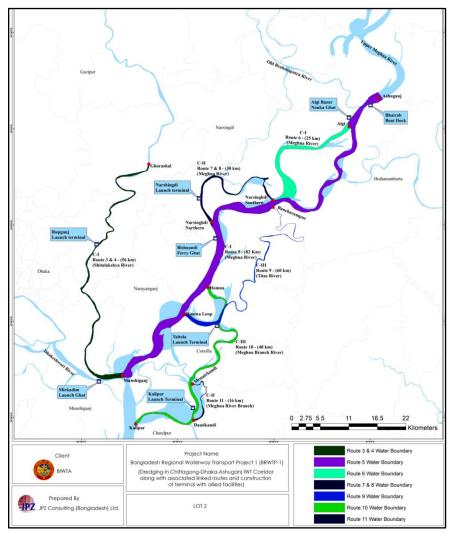


Figure 1: River Boundary Lot-2

Table 1: River Routes Lot-2

Class	Route No	River/location	Length (Km)	Average width (m)	Shoal Length Approx. (km)
I	3 & 4	Shitalakshya (From Ghorashal to Munshiganj)	56	400	0.2
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	10.6
		Total	317		27

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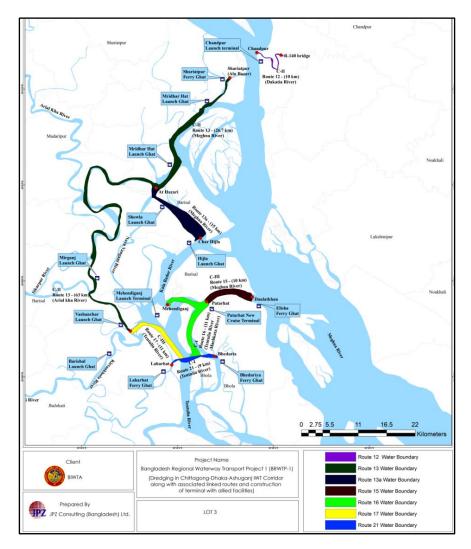


Figure 2: River Boundary, Lot-3

Table 2: River Routes Lot-3

Class	Route No	River/location	Length (Km)	Average width (m)	Shoal Length Approx. (km)
II	12	Dakatia (Chandpur to Gastola Bridge)	10	400	1
II	13	Meghna and Arial Khan (Shariatpur-Bheduria)	89.7	1200	1.4
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 -Vashanchar)	11	400	-
I	21	Tentulia (Bheduria -Laharhat)	9	300	2.3
	•	Total	164.3		6.8

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2.1 PROGRESS OF BRWTP-S1A:

2.1.1 : Development and Maintenance Dredging Works:

Lot-2:

During the reporting period, a dispute emerged among the local population concerning the land selection for the dykes along River Route 09. Consequently, dredging operations were halted following orders from the local administration on April 2. After the Eid holidays, on April 15, the S1A consultant team, in collaboration with PIU, initiated discussions with the District Commissioner (DC) and respective Upazila Nirbahi Officers (UNOs). Through engagement with various stakeholders, the issue was gradually resolved.

Subsequently, dredging activities resumed on Route 09 in the following month. In the meantime, dredging continued uninterrupted on other routes, namely River Route 07&08 and River Route 11 up to 30th April. The total cutting length was 426 m and the total volume was 22392.73 cubic meters within Lot-2 sites during this month.

Lot-3:

During this reporting period, the dredger Banga Sitalakkhya operated until April 6th along Route 16 (Patarhat-Bheduria), completing a total cutting length of 4,943.63 meters and dredging a cumulative volume of 375,552.69 cubic meters.

Meanwhile, Banga Padma, Banga Jamuna, and Banga Shitalakkhya remained engaged in dredging activities along River Route 21 at Lot 3 throughout the reporting period. The combined cutting length totaled 11,006 meters, with a dredged volume reaching 745,392.7 cubic meters

Update information on Navigational Aids in April 2024:

The S1A team actively participated in all coordination meetings chaired by the project coordinator of BRWTP-S1A, which took place every Sunday. On April 21, 2024, during a visit to the manufacturing site, the locations for PC pole installation were identified and marked with assistance from a BIWTA Superintendence team member. The coordinates for these points along Route 21, Lot 03 have been plotted on the chart.

On April 25, 2024, members of the S1A team, including a Civil Engineer from the PIU, visited the Sinker manufacturing yard at Karnaphuli Shipbuilding. During this visit, they assessed the environment and observed the tools and measurements that will be used to manufacture sinkers weighing 5 tons and 3 tons for Lot 02.

2.1.2 Environmental Quality Assessment:

In the environmental data collection for April 2024, samples were taken from two Lots (Lot-2 and Lot-3) at two points in a river (River Route 7&8 and River Route 21respectively) where dredging was ongoing. However, there were no notable results.

S1A Consultant revealed that it would be more practical to collect environmental information on the two Lots even if there is no dredging and to spend more time gathering information on biodiversity and taking more precautions. It is now necessary to be more aware of the following points in particular.

- 1. Provide site-specific descriptions of the dredging sites, and dredged material disposal sites. The description should contain information about the habitat, biodiversity, land tenure, etc.
- 2. Underwater noise should be measured when the dredger is in operation. Usually, measurements are taken at

different distances but to standardize it, they should measure it at 50 meters.

- 3. All sampling sites should be marked on the map when submitting the monthly reports.
- 4. All photographs should be time-stamped (use the timestamp app).
- 5. Information on biodiversity is very poor in the monthly reports. More time needs to be spent on data collection or gathering information.

2.1.3 Social and Resettlement Aspects:

During this period, steps were taken to accelerate the selection of dykes with the assistance of local administration. Regular meetings were held with various stakeholders at the site, with a particular focus on quickly selecting the dykes in Lot 2.

During this reporting period, 65 disposal sites have been chosen within the Lot-2 and Lot-3 areas. The process of selecting dykes is in progress, with involvement from representatives of local governments and community members. To facilitate smooth execution, the project authority has applied to local government representatives, requesting their support and informing them of the project details. However, progress in April 2024 has been minimal, with no land lease agreements finalized during this time frame.

2.1.3.1 Land Acquisition/Requisition/Good Faith Agreement/Charity:

In Lot-2 and Lot-3, a total of 79 dredged disposal areas have been selected. The GRM expert of S1A is working on setting up the protocols for reporting the GRM issues at different levels in a structured way based on CEAP and Contractual responsibilities.

Information regarding river dredging, dredged material dumping, and agreements made in good faith are disseminated to the general population through various consultation meetings held in local bazaars, Union Councils, villages, and local schools. The progress of Dykes and Good Faith Agreements for Lot-2 and Lot-3 during this reporting period is detailed in Table 9 and Table 13-14&15 respectively.

2.1.3.2 Communication and Public Consultation:

The social and safeguard team has communicated with local people, local administration, and local elites and conducted consultation meetings regularly. The local administration was requested to assist in obtaining land to dispose of the dredged soil. Moreover, the S1A team hopes for the assurance of all kinds of cooperation from the locals.

Table 3: Monthly Communication and Public Consultation -April 2024-Lot 2 & Lot 3

Date	Lot-02	Lot-03
1-Apr-24	Brahmanbaria Lot-2 Route-09. Dredger Kafela -1-working, Karnofully-2 -Stopped due to pipe shifting. Narshindi (Route- 07&08). Dredger -MBDDL Craft-1 Route – 6, Lot-2 Pipe shifting work ongoing	Karnofully-3,5, (Bishnurampur) Karnaphuli-7- (Anarpar)- working; Maa -Stopped due to oil insufficiency & Pranto - Noyachar stopped due to local conflict; Reve-Badda- Problem- solving ongoing MCD- stopped due to pipeline work (Modhonagar, Sayfullakandi)
2-Apr-24		Route: 16, Lot_3. 1. Discussed submerged electric cable safety issues with DGM, PBS, Mehandiganj jointly with the Banga contractor. 2. Supervision of dredging work with disposal area construction (repairing and extension of boundary wall) of a dyke no. R16-D2
3-Apr-24	UNO, Bancharampur and Nayeb, Tejkhali Union inspected the dykes along Route 09 and instructed to stop dredging on behalf of the Deputy Commissioner, Brahmanbaria District	
4-Apr-24	Meeting with local elites of UZ: Raipura, District: Narsinghdi. Representatives from Char Madhua Union, Nilakkha Union, Bashgari Union, and Srinagar Union attended the discussion and extended their support for the dredging work	
15-Apr-24	The Project Director and other PIU staff, S1A consultants, and contractor's representatives had a meeting with the Deputy Commissioner, and Additional Deputy Commissioner (Revenue), Brahmanbaria District	

Date	Lot-02	Lot-03
18-Apr-24	The River bank area and dredging area were marked along Route 09 in the presence of the ADC, Brahmanbaria, UNO, AC (Land) Nabinagar UZ and Bancharampur UZ, government land surveyor, and Police personnel as there was some disagreement about the location with the local community	
21-Apr-24		Lot 3: Route: 16- Conducted hydrographic post-survey jointly with BIWTA representatives, S1A consultant, and Dharti-Banga contractor (Patarhat-Bheduria)
22-Apr-24		Route: 16, Lot_3- Hydrographic post survey finished jointly with S1A consultant and Dharti-Banga contractor at Route 16 (Patarhat-Bheduria)
23-Apr-24	Route-11, Ward No.4, Upazilla-Daudkandi, District-Cumilla, Gulf-Karnaphuli Contractor and S1A Consultant visited dyke and dredging area. Supervision of dyke area and met with the land owner and gathered information about biodiversity, habitat, and land tenure.	
24-Apr-24	Route- 07&08, Ward No.4, Dist-Narsinghdi, Division -Dhaka. Gulf-Karnaphuli Contractor and S1A Consultant visited dyke and dredging area. Supervised dyke area and met with the land owner and took information about biodiversity, habitat, and land tenure.	Route: 21. Hydrographic post survey ongoing jointly with S1A consultant and Dharti-Banga contractor along Route 21 (Laharhat-Bheduria)
	Dredger 'Juboraj' test started today along Route 11, UZ: Daudkandi	Route: 21. Twenty-five (25) locations at a setback distance of 200m were identified for installation of PC poles along Route 21 (Laharhat-Bheduria) in consultation with the S1A consultant, BIWTA pilot, and Dharti-Banga contractor's representative.
	Dredging Update - Route - 07&08-Karnaphuli-2 started working; Kafela -1 work stopped as the excavator got stuck inside dyke Route-09 work stopped due to non-selection of dyke by AC (Land) for disposal of dredged material Route-11 temporary dredging started Route - 6 dyke selection on going due to some accident that occurred.	
25-Apr-24	Engineering Survey at Route_09	Route: 21: The hydrographic post survey finished today jointly with the Dharti-Banga contractor and S1A consultant at Route 21(Laharhat-Bheduria).
28-Apr-24	Dyke inspection at Route 11, Village Hasnabad Union, UZ: Daudkandi North, District-Cumilla	
29-Apr-24	Meeting with the UNO, and AC (Land), Bancharampur to initiate dredging along Route 09	
30-Apr-24	Discussion with the local community members of Village Khudalia, UZ: Sadar, District: Narsinghdi for the construction of dyke to dispose of dredged material	

2.1.3.3 : Progress and Coordination Meetings of S1A Consultant in April 2024:

Table 4: Interaction with Client/Contractors and another Stakeholder (April 2024)

			i another Stakeholder (April 2024)	
SN	Date	Venue	Meeting Agenda	Participants
1	15.04.2024	Meeting Room of ADC, Brahmanbaria and DC Brahmanbaria.	Coordination meetings to identify and address the causes of delays in dredging activities at the Lot-2 sites. These meetings also provided an opportunity to gather suggestions from senior government officials aimed to expedite the dredging process and to improve the selection procedure for dykes.	Local Government Representatives including DC, ADC of Brahmanbaria and UNO of three Upazilas, S1A consultants including PC, PIU representatives including PD and Lot-2 contractor's representatives.
2	20.04.2024	Weekly Coordination meeting. At the Meeting room of PIU	Providing an update on the project's progress, with a focus on prioritizing Navigational Aids.	PIU representatives and S1A Experts
3	21.04.2024	Mirkadim Bandar, Narayanganj.	Meeting and visit to the manufacturing site, the locations for PC pole installation were identified and marked with assistance from a BIWTA superintendence team member.	BIWTA, PIU representatives and S1A Experts
4	25.04.2024	Sinker manufacturing yard at Karnafuly Shipbuilding for Lot 02.	S1A Navigational Aids expert, including a Civil Engineer from the PIU, visited and meeting with the Sinker manufacturing authorities. Also they assessed the environment and observed the tools and measurements.	

2.1.4 Grievance Redressal Mechanism (GRM):

Two Grievance Redress Committees (GRC) have been formed in Lot-2 and Lot-3 project areas, with one each for site/local level issues and contractor level gender-based violence (GBV) issues. Regular consultations were conducted by contractors, with support from S1A, to inform locals about reporting mechanisms. Grievance boxes are installed at project offices and dredging sites for people to drop their complaint letters, with hotline numbers provided for immediate contact.

However, during the reporting period, a dispute arose among the local population regarding the selection of land for the dykes of River Route 09 at the Lot-2 Contractor site. Consequently, dredging operations had to be stopped following orders from the local administration on April 2. After the Eid holidays, on April 15, the S1A consultant team, in collaboration with PIU and GRC members, engaged in discussions with the District Commissioner (DC) and respective Upazila Nirbahi Officers (UNOs). Through the involvement of various stakeholders, the issue was gradually resolved. Subsequently, dredging activities resumed on Route 09 in the following month.

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 withthe local inhabitants. No data was found about the violence against women. No sexual exploitation, sexual violence, or gender-based violence were 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. The collected data is shown in the table below.

Table 5: ESHS Information at a Glance in April 2024

ESHS Issues	Parameters	Lot-2	Lot-3
Occupational Health and Safety (OHS)	Set up a first aid clinic room, equipped with a medical treatment registration card for each employee.	First aid facilities were available at the project sites.	First aid facilities were available at project sites.
(OHS)	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
	Fire Extinguisher	Available	Available
	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	Total Employment (person) for all routes	38	60
and Employment	Male Female Ratio	All employees are Male	No Female Employee
Situation	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 in 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.	Available at site level but needs awareness for using PPE
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.	Demarcated and processed for installation of required aids to navigation	Demarcated and Processed for installation of the required aids to navigation

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

2.1.6 Development and Maintenance Dredging Works:

The dredging depth and dredging volume may be changed from time to time based on the hydrographic survey. The dredge volumes depend on route centerline, quality of MB/SB data, spacing of survey lines, and interpolation between these. The dredge volume for April 2024 is shown below.

Table 6: Description of dredging work for the month of April 2024, Lot-2 Site

Serial	Dredger Name	Time Period	Route No.	Place	Cutting	Cutting
No.					Length(m)	Volume(cum.)
01.	Kafela -01	01 to 30 April	7&8	Khodalila	300	14,850.364
02.	Karnafuly -02	01 to 30 April	7&8	Khodalila	41	1,393.590
03.	Karnafuly -03	01 to 30 April	09	Barialchar	00	00
04.	Karnafuly -05	01 to 30 April	09	Kadur	00	00
05.	Karnafuly -07	01 to 30 April	09	Hanarpara	00	00
06.	Maa_01	01 to 30 April	09	Kadur	00	00
07.	Pranto_01	01 to 30 April	09	Nayachar	00	00
08.	Reve_03	01 to 30 April	09	Hasannagar	00	00
09.	MCD_01	01 to 30 April	09	Moddonagar	00	00
10.	SHAH YUVRAJ_09	01 to 30 April	11	Hasnabad	85	6,148.780
11.	MBDDL CRAFT_01	01 to 30 April	06	Charmodhua	00	00

In April 2024, dredging operations were carried out in Alokbali, Narsingdi, on Route 07&08, and in Notun Hasnabad on Route 11.

2.1.7 Environmental Quality Assessment of Lot-2 Sites:

In April 2024, environmental monitoring activities were carried out in Khodadila, Narshingdi, focusing on Routes 7&8 due to ongoing dredging operations. Monthly air quality assessments, noise level monitoring, and surface water sampling were conducted at two locations along these routes. Additionally, qualities of the dredge material were examined with two samples collected from the dredging disposal site on Route 7&8.

Table 7: Environmental Quality Assessment for April 2024 for Lot-2

Sl No.	Item	Parameters	Baseline Data of Route 07&08	Present Data of Route 07&08	S1A Remarks April
			January 2023	April 2024	2024
		SPM	153.67	158.36	*WAL
		PM10	75.42	72.49	WAL
1	A : O 1:4	PM2.5	51.33	45.16	WAL
1	Air Quality	SO2	27.46	26.38	WAL
		NO2	15.21	34.41	WAL
		CO	1.4	0.8	WAL
		LEQ day	69.8	55.3	WAL
2	Noise Level	Lmax	74.3	70.2	WAL
		Lmin	40.4	38.1	WAL
	Underwater Noise Level	LAvg [dB (A)]	-	58.2	WAL
		Temperature	22.1	28.6	WAL
		EC	610	475	WAL
		pH	7.25	7.67	WAL
3	Surface Water Quality	TDS	320	234	WAL
		DO	5.2	6.1	WAL
		BOD5	2.2	3.9	WAL
		TSS	87	205	WAL
4	Riverbed Sediment	Lead (Pb)	12.15	-	WAL
4	Riverbed Sediment	Cadmium (Cd)	0.023	-	WAL
		Chromium(Cr)	17.37	-	WAL
		Zinc (Zn)	26.84	-	WAL
		Arsenic (As)	2.54	-	WAL
		Lead (Pb)	-	12.24	WAL
		Cadmium(Cd)	-	0.08	WAL
5	DredgedMaterial	Chromium(Cr)	-	20.49	WAL
		Zinc (Zn)	-	28.18	WAL
		Arsenic (As)	-	1.89	WAL

*WAL=Within Approved Limit; - = Sample was not collected; Detail remarks are in Chapter 2

Table 8: Compliance Status for April 2024 for Lot-2

Aquatic Flora Aq	D (() 14 (D	EMD	Visual Monitorin	0 1			D 1/	
Aquatic Flora & Funa including Flankton, Berthols fish, dolphin & Funa including Flankton, Denthols fish, dolphin & Funa including Flankton, Denthols fish, dolphin & Funa including Flankton, Denthols fish, dolphin & Funa including Flankton, Denthols fish, dolphin & Funa including Flankton, Denthols fish, dolphin & Funa including Flankton, Denthols & Funa including Flankton	PotentialAspects	Description		Measures Already	ComplianceStatus			Remarks/	Recommended
Resument including planted on the presented along Round (respired of crustaceaus have been considered and construction with the reporting month of the properties of the prope			(Proposed in the EIA)	Implemented	С		N		implementing the corrective measures
Sediment Dispersion Not measured Dispersion Not measured Dispersion Not measured Dispersion Not measured Dispersion There were no issues regarding riverbank erosion or lisues regarding riverbank erosion or measures taken Dispersion There were no issues regarding riverbank erosion or measures taken Dispersion The coulding of the deeping deeping and relocated is madericocated to measures taken Dirainage Conditions Theore are the deeping deriverbank erosion or the dradge material was found to be functional. River are fixed to ensure a safe rivertraffice movement Accidental Spillage No reports yet No reports yet Oil spill emergency plan 247 ready plan leakages from pipes and sediment disposal Sediment Leakages from the leakages from pipes and sediment disposal Safety ofworkers Occupational safety Waste management Cultural and Preservation of X	& Fauna including Plankton, Benthos,	and two species of crustaceans were observed along Route 07&08. The team did not observe any visible fish mortality within and around the dredging site and disposal areas during	measures not	measure	-	P	-	crustaceans have been recorded; one endangered fish species recorded according to the IUCN Red List- Bangladesh, 2015. No dolphins in a year is quite amazing, maybe the timing of the observation or the amount of time, and effort given to observe	monitoring of the habitat and intensive, repeated visits to establish an inventory of the floral and faunal species. Check the starting of the distributary and opening of the distributary at
River BankErosion There were no issues regarding riverbank erosionor flooding. Surveyed before Conditions Surveyed before Gongestion Surveyed Gonges		Not measured	-	-	-	-	N	Contractors were notified to measure sediment plume on1 st March 2023, followed by verbal instruction and	for dolphins. No action taken or dataprovided by the contractors yet. Will bereminded
Conditions dredging Theoutline for Congestion Theoutline for Congestion Theoutline for Congestion Water passing from the dredge material was found to be functional. No mitigation makes are already been fixed to ensure a safe rivertraffic movement AccidentalSpillage No reports yet Oil spill emergency plan. 24/7 ready plan Pipes regularly plan Pipes regularly checked PEs provided PES provide	River BankErosion	issues regarding riverbank erosionor flooding.	stoppedand	andrelocated; some protection		-	-	Stop dredging and	Recommended reporting to the authorities and stop dredging
Congestion water passing from the dredge material was found to be functional. River traffic-related signboards have already been fixed to ensure a safe rivertraffic movement No reports yet Oil spill emergency plan. 24/7 ready plan					С				
Traffic/Transport signboards have already been fixed to ensure a safe rivertraffic movement AccidentalSpillage No reports yet Sediment leakages frompipes and sediment disposal No reports of any leakage Safe drinking water sanitation Safety ofworkers Occupational safety Waste management Waste bins have already been fixed to ensure a safe rivertraffic movement No reports yet Oil spill emergency plan. 24/7 ready plan Pipes regularly checked Pipes regularly		water passing from the dredge material was found to be			-	P	-	drainage congestion.	drainage channels. Regular
AccidentalSpillage No reports yet Oil spill emergency plan Sediment leakages frompipes and sediment disposal Drinking water& sanitation Safety ofworkers Waste management Waste bins have been placed on the houseboat aswell as in the dredger and maintained Cultural and Pipes regularly checked Pipes regularly che		signboards have already been fixed to ensure a safe rivertraffic		measure is		Р	-	navigation-related	install aids to navigation as per
frompipes and sediment disposal leakage pipes checked problem before resumption; and report to the authority Drinking water& Safe drinking water isbeing supplied supplied be mentioned Safety ofworkers Safety ofworkers Occupational safety Waste management been placed on the houseboat aswell as in the dredger and maintained Cultural and Preservation of X X Y Stop dredging, report to the authority Source of drinking water be mentioned PPEs provided P Monitor the use of PPEs Regular monitoring, Punitive measures for no using PPEs Cultural and Preservation of X X - X X Stop dredging, report to -	AccidentalSpillage	No reports yet	emergency plan. 24/7 ready plan	-		P	-	maintained, in case, of any incident, report to	No action taken yet
Safety ofworkers Occupational safety Waste management Waste bins have been placed on the houseboat aswell as in the dredger and maintained Cultural and Perservation of Isbeing supplied bementioned Be mentioned PPEs provided P Monitor the use ofPPEs Regular monitoring, Punitive measures for no using PPEs Colored collection bins for organic andnonor organic solid wastes; happens after no wastes in the river wastebins Cultural and Preservation of X - X X Stop dredging,report to Colored collection bins for organic andnonor organic solid wastes; happens after no wastebins Cultural and Preservation of X - X X Stop dredging,report to Colored collection bins for organic andnonor organic solid wastes; happens after no wastebins	frompipes and				-	P	-	problem before resumption; and report	
Safety ofworkers Occupational safety PPEs provided P Monitor the use of PPEs Regular monitoring, Punitive measures for no using PPEs Waste management Waste bins have been placed on the houseboat aswell as in the dredger and maintained Cultural and Preservation of X - X X Stop dredging, report to P Monitor the use of PPEs Regular monitoring, Punitive measures for no using PPEs Colored collection bins for organic andnon-organic andnon-organic solid wastes; no wastes in the river wastebins Cultural and Preservation of X - X X Stop dredging, report to			be	-	-	C	-	-	drinking water to
been placed on the houseboat aswell as in the dredger and maintained Cultural and been placed on the houseboat aswell as in the dredger and maintained been placed on the for organic andnonorganic solid wastes; happens after no wastes collection from wastes in the river wastebins x - x x Stop dredging, report to -	Safety ofworkers			PPEs provided	-	-	P	Monitor the use of PPEs	Regular monitoring, Punitive measures for not
Cultural and Preservation of such sites	-	been placed on the houseboat aswell as in the dredger and maintained		-	-		-	for organic andnon- organic solid wastes; no wastes in the river	stages, what happens after collection from wastebins
Wastewater P	archeologicalSites			Х					

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

2.1.8 Social and Resettlement Aspects at Lot-2 Site:

Lot-02

At present **57** agreements are in process. In most places, people have willingly agreed to allow use of their lands. General people of the project sites can get the news of river dredging, dredged materials dumping, and good faith agreements through several consultation meetings with local people in local Bazars, Union Council, villages, and the local Schools. Progress of Dykes and Good Faith Agreements during this reporting period of Lot-02 is illustrated in the following tables:

Table 9: The progress of Dykes and Good Faith Agreements (GFA) for Lot-2 during this reporting period

	Route	L	Land Owner Land				
no.	No	Name and NID Address		Description	Quantity (Decimal)	Quality of Land	GFA
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)	Under process
D2	9	Siblu Mia NID1210488091772	Village: Imam Nagar Upazila: Bancharampur	Plot No:158, 155, 166, 147. Mouza: Imam Nagar	270	Agriculture Land (Two Crops)	Under process
D3	9	Md. Afzal Hossain NID:121048809223	Village: Joy Nagar Upazila: Bancharampur	Plot No: 461, 711, 712, 713, 714, 715 1016. Mouza: Jay Nagar	150	School and School Field	Under process
D4	9	Md. Monzur Mahabub NID: 1210488092428	Village: Imam Nagar Upazila: Bancharampur	Plot No:3473, 3474 Mouza: Imam Nagar	55	Agriculture land (One crop)	Under process
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)	Under process
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)	Under process
D7	9	Monir Hossain NID:121048809210 09	Village: Imam Nagar Upazila: Bancharampur	Plot No.127 Mouza: Imam Nagar.	40	Agriculture land (Two Crops)	Under process
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)	Under process
D9	9	Md. Zakir Hossain NID: 2693016135957	Village: Aka Nagar Upazilla: Bancharampur	Plot No. 2611, 2612, 6036 Mouza: Aka Nagar.	139	Agriculture land (Two Crops)	Under process
D10	9	Md. Alamgir Kabir. NID: 1218575059084	Village: Nilukhi Upazila: Nabinagar	Plot no. 455. Mouza: Borail	52	Agriculture land (Two Crops)	Under process
D11	9	Md. Kabir Hossain. NID: 10488088336	Village: Aka Nagar Upazilla: Bancharampur	Plot no. 5972/ 5380/5984 Mouza: Aka Nagar, Bancharampur,	139	Agriculture land (Two Crops)	Under process
D12	9	Md. Nazrul Islam. NID: 8705507518	Village: Aka Nagar Upazila: Bancharampur	Plot no. 3053, Mouza: Aka Nagar.	50	Agriculture land (One Crop)	Under process
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)	Under process
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)	Under process
D15	9	Abdul Halim NID: 2366199863 Mbl: 01819160113	Village: Akanagar Union: Tezkhali Upazila: Bancharampur District: Brahman Baria	Mouza: Akanagar, Plot no. 3395,3396 BS-Khaitan no. 496 JL no. 13.	67	Agriculture land (One Crop)	Under process
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)	Under process
D17	9	1.Babuk Mia NID:5546760314 2.Rakat Ali NID:9132515710 3.Nobi Mia NID:5996942016		Plot no. CS/SA 1373/1374, BS 3007, Mouja: Borail	90	Agriculture land (One Crop)	Under Process
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)	Under Process

Dyke 10.	Route No	L	and Owner	Land			GFA
10.	No	Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	GFA
019	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)	Under Process
020	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: 1298,1428,1646,1655,1654 JL No 43	59	Agriculture land (One Crop)	Under Process
021	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)	Under Process
022	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)	Under Process
023	9	1.Alomgir Hossain NID: 1978121048800003 9; Mbl: 01741735087 2. Md. Borhan Uddin; NID: 1210488095770	Village: Bishnursmpur Union: Tezkhali Upazila:Bancharampur District: Brahman Baria	Mouza: Bahirchar SA Khatian: 860,380 Plot no: 821,621,711,622,624,810,1070,623,626,7 10,711,1179 JL No. 41	119	Agriculture land (One Crop)	Under Process
024	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)	Under Process
25	9	Ilias Miazi NID: 1992121648800013 0 Mbl: 01985728652	Village: Bishnursmpur Union: Tezkhali 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)	Under Process
026	9	1. Gazi Kawsar NID: 3298455597 Mbl: 01713685001 2.Gazi abdus Salam NID: 2398479119 Mbl: 01740956081 3.Md. Zakir Hossain NID: 7348561049 Mbl: 01713585112 4. Chandra Kumar Das NID: 1210488090007 Mbl: 01740968121	Village: Aka Nagar Union: Tezkhali Upazila:Bancharampur District: Brahman	Mouza No: Aka Nagar SA Khatian: 3921,4096,3941 Plot No: 5760,5705,5707,5790,6370,6698,5744,57 11,5384,5715 J L No 13	310	Agriculture land (One Crop)	
) 27	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)	Under Process
028	9	Habib Ulla NID: 2398391876 Mbl: 1817506254	Village: Bahirchar Union: Bishnurampur Upazila:Bancharampur District: Brahman Baria	Mouza. Bahirchar Plot no. 603,714,1152,1545 Khatian No: 92; JL No: 41	79	Agriculture land (One Crop)	Under Process
)29	9	Abu Kalam NID: 1948451222 Mbl: 01985708523 Willage: Bahirchar Union: Tezkhali 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)	Under Process
930	9	1.Md. Farid Mia NID: 3298435581 Mbl: 01317622313 2.Abdul Wahab NID: 6894609699 Mbl01735786521 Village: Bahirchar Union: Tezkhali 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)	Under Process
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)	Under Process

-	Route	L	and Owner	Land			
no.	No	Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	GFA
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)	Under Process
D33	9	1.Rasel Mia NID: 1947127799 Mbl: 01738424077 2.Parul Begum NID: 1210488095296 Mbl: 01735786521 3. Sova Akter NID: 8707793660 Mbl: 01735786521	Village: Nilokhi Union: Salimganj Upazila:Nabinagar District: Brahman Baria.	Mouza. Nilokhi Plot no. 1172,1208,1209,1199,1163,1198,1170,12 00,1232 Khatian No: 950, 992 JL No: 05	170	Agriculture land (One Crop)	Under Process
D 34	9	1. Md. Billal NID: 2398523114 Mbl: 01725835721 2. Arfat Ali NID:8257731771 Mbl: 01985789351 Village: Bahir Char Union: Tezkhali 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)	Under Process
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)	Under Process
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: Tezkhali 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)	Under Process
D37	9	Md. Swapon Mia NID: 8248495528 Cel: 01753828096	Village: Bahirchar Union: Tezkhali 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)	Under Process
	09	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: 1976121048800001 8 Mbl: 01928705721 7. Abdul Mannan NID: 7812888217 Mbl: 01789256722		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		Agriculture land (One Crop)	Under Process
D39	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)	Under Process

•	Route	L	and Owner	Land			
no.	No	Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	GFA
D40	09	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)	Under Process
D 41	09	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)	Under Process
D 42	NID: Union: Salimganj 1210488096760 Upazila:Nabinagar Mbl01986218781 District: Brahman Baria.		Union: Salimganj Upazila:Nabinagar District: Brahman Baria.	Mouza No. Nilokhi Khatian No: 262 Plot: 1129/1 JL No:05	31	Agriculture land (One Crop)	Under Process
D 43	09	1.Shakel Ahmed NID: 2. Sazzad Ahmed NID: Mbl: 3. Md. Alomgir NID: 2397009727 4. Rezaul Karim NID: 6455341013 5. Ziaul Karim NID: 5983496109 Mbl: 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)	Under Process
D 44	09	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	Under Process
D 45	09	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)	Under Process
D 46	09	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)	Under Process
D 47	09	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)	Under Process
D 48	09	1. Kamrul Hasan NID: 1979121857500003 0 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	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)	Under Process

Dyke no. No		L	and Owner	Land			O.T.
10.	No	Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	GFA
		7.Hanif Mia NID: 1970121857500000					
		Mbl: 01713925813					
O 49	09	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 Mbl: 01716497968 5. Ismail Mia NID: 1523786984 Mbl: 01913777071 6. Amir Hossain Passport: 0538242 Mbl: 01712835771 7. Farid NID: 3322198205	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)	Under Process
		Mbl: 01852892821					
50	09	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)	Under Process
0.51	09	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)	Under Process
52	09	Shahin NID: 1982121857500002 1 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)	Under Process
53		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)	Under Process
54	09	Abdur Razzak NID: 9574183696 Mbl: 01747343757	Village: Bishnurampur Union: Tezkhali Upazila:Bancharampur District: Brahman Baria.	Mouza No. Bishnurampur Khatian No:1154 Plot: 1594 JL No:01	86	Fallow Land	Under Process
55	09	Shahjalal NID: 8242023813 Mbl: 01625888695	Village: Bishnurampur Union: Tezkhali Upazila:Bancharampur District: Brahman Baria.	Mouza No. Bishnurampur Khatian No:386 Plot: 1550 JL No:40	73	Fallow Land	Under Process
01	7&8	1.Hanif Mia NID: 6816020733136 2.Abu Kashed Mia NID: 6816020432149 3.Abul Kashem NID: 5501734684 4.Nuru Mia NID: 8218914904 5.Sushil Chandra Sutradhar	Village: Birgaon Union: Alokbali 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)	Under Process

•	Route	L	and Owner	Land			GT.
no.	No	Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	GFA
		NID: 6816020732471 Mbl: 01794391918, 01712766109					
D 02	7&8	Md. Delwar Hossain NID: 9550769062 Mbl: 01712766109		Mouza: Char Madhobpur SA Khatian No: 8723/4356/4126/4247 SA Plot No: 7879,7915,7880,8793,7891,7960,7961,97 30,9731,9732,8730,896,7496,7494,9756, 9757, 9727,9730, 9731, 9732,8726, 8743, 7891, 8793,7886, JL No: 62	328	Fallow Land	Under Process

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

2.1.9 Development and Maintenance Dredging Works:

Dredging operations began in April on River Routes 21 and 16 of Lot-3. Alongside these activities, inspections of the dredging and dredged material disposal sites were conducted on both routes. Additionally, a hydrographic post-survey was performed jointly with BIWTA.

On Route 16 (Patarhat-Bheduria), the dredger Banga Sitalakhya operated until April 6, 2024, achieving a total cutting length of 505 meters and a total dredged volume of 18,475.22 cubic meters. On River Route 21 (Laharhat-Bheduria), the dredger Banga Shitalakhya commenced dredging on April 12, 2024 with work still underway.

Table 10: : Dredging Work of Lot-3 site in April, 2024

	TOTT DIVING TOTAL	OI BOU C SICC III I	Pr 11, = 0 = 1			
Serial	Dredger Name	Time Period	Route No.	Place	Cutting Length	Cutting Volume
No.					(m)	(cum.)
01.	Banga Sitalakhya	Up to 6 th April	River Route 16	Patarhat-Bheduria	4,943.63	375,552.69
02.	Banga Padma, Banga Jamuna, and Banga Shitalakkhya	01 to 30 April	River Route 21	Laharhat-Bheduria	11,006	745,392.7

2.1.10 Environmental Quality Assessment of Lot-3 Site:

During the current reporting period, dredging commenced at the Lot-3 site along Route 21. Noise levels, surface water quality, riverbed sediment, dredged material, and underwater noise were sampled from two distinct points along River Route-21.

Table 11: Environmental Quality Assessment for April 2024 for Lot-3

Sl No.	Item	Parameters	BaselineData of Route	Route 21	S1A Remarks ² April
			21	April 2024	2024
		SPM	165.12	61.16	*WAL
	Ambient Air Pollutants'	PM10	72.15	37.78	WAL
1	Concentration in µg/m³	PM2.5	47.28	16.20	WAL
		SO2	13.69	13.11	WAL
		NO2	22.18	17.90	WAL
		CO	0.6	0.7	WAL
_		LEQ day	62.35	65.86	WAL
2	Noise Level	Lmax 82.53 71.56		71.56	Mixed Area.
		Lmin	39.76	38.58	WAL
3	Under Water Noise Level	LAvg [dB (A)]		61.6	
		Temperature	24.8	25.4	WAL
		EC	290	292	WAL
4	SurfaceWater Quality	pН	7.77	7.35	WAL
4		TDS	137	142	WAL
		DO	7.0	7.5	WAL
		BOD5	1.5	1.4	WAL
		TSS	86	81	WAL
		Lead	10.17	8.56	WAL
	Riverbed Sediment	Cadmium	0.054	0.057	WAL

Sl No.	Item	Parameters	BaselineData of Route	Route 21	S1A Remarks ² April
			21	April 2024	2024
5		Chromium	12.76	10.89	WAL
		Zinc	23.48	18.20	WAL
		Arsenic	1.57	1.44	WAL
		Lead	12.50	11.42	WAL
6	Dredged Material	Cadmium	0.057	0.059	WAL
		Chromium	15.67	12.46	WAL
		Zinc	25.30	21.56	WAL
	Limits Datail normanics and in Chanton 2: Note: No	Arsenic	1.95	1.75	WAL

^{*}WAL=Within Approved Limit; Detail remarks are in Chapter 2; Note: No Baseline data on Riverbed sediment

Table 12: Compliance Status for April 2024 for Lot-3

Visual Monitoring Compliance										
Potential	Description	EMP	Measures	Com	olianceSt	atus	Remarks/	Recommended		
Aspects		Measures (Proposed in the EIA)	Already Implemented	C	P	N	Recommendation	deadline for implementing the corrective measures		
Aquatic Flora and Fauna including Plankton, Benthos, fish, dolphin	four (04) crustacean species (prawn) were also reported to be caught in the river. A commercially important species, Ilish (<i>Tenualosa</i> ilisha) was found on this route. There is no visible fish mortality, no Ganges River Dolphin near the dredging site, and no direct observation of freshwater turtles at the dredging site.	required	No mitigation measure is required in the reporting period	-	P	-		Advised to give more effort, and to spend more time for regular monitoring of the habitat and biodiversity.		
Sediment Dispersion	Not measured	X	No mitigation measure is required in the reporting period	-	-	N	Contractors were notified to measurele sediment plume on 1 st March 2023. Reminders were given verbally and by email	contractors yet. Will bereminded again		
Riverbank Erosion	No reports of riverbank erosion or flooding occurredduring the reporting month.			-	P	-		Regular monitoring		
Hydrological Conditions Drainage Congestion	Surveyed before dredging No drainage congestion was observed during				P		No reports of any drainage congestion	To be monitored regularly, early mornings and		
River Traffic/Transport	this month. No traffic-related problemswere identified	aids to	Procurement ofaids to navigation under process	-	P	-	River traffic-related sign boards observed	evenings Appropriate aids to navigation to be installed soon, some.		

	Visual Monitoring Compliance											
Potential	Description	EMP	Measures	Com	olianceSt	atus	Remarks/	Recommended				
Aspects	·	Measures (Proposed in the EIA)	Already Implemented	С	P	N	Recommendation	deadline for implementing the corrective measures				
Accidental Spillage	No reports yet		No spills from chemical storage	-	P	-	Emergency oil spill management plan	Emergency Plan in place, to be updated ifnecessary				
Sediment leakages from pipes and sediment disposal	No reports of any leakage	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 theproblem before resumption; and report to the authority				
	Safe drinking water is beingsupplied			С	-	-		Drinking water sourceto be mentioned				
Safety ofworkers	Occupational safety		PPEs provided	-	-	N	Awareness of using PPEs	-				
Waste management	Waste bins have been placedon the houseboat as well as in the dredger and maintained		-	С	-	-		Mention the end process where does the waste go from the bins?				
Cultural and archeological Sites	Preservation of such sites		x	-	х	х	Stop dredging,report to the authorities	-				
Wastewater	From houseboats, dykes, etc.	Treated, release after settling	Not described	-	-	N	To be treated before release	-				

2.1.11 Social and Resettlement Aspects at Lot-3 Site:

Lot-03:

At present 22 agreements are in process. In most places, people have willingly agreed to allow use of their lands. No land has been reported to be acquired for dredging material placement during the current monitoring period. However, in the project areas of Bheduria ferry ghat (Route 21) 18 dykes, Patarhat launch ghat (Route 16) 2 dykes, Alu Bazar (Route 13) 3 dyke, and lands have been selected based on the Good Faith Agreement.

Table 13: The progress of Dykes and GFA for Lot-3 during this reporting period (R-21, Dyke-1 to18)

SN	Rou te No.	Dyke No	Rout e Leng th	R.Name Distance from R.Bank	GFA	Name of the Land Owner, NID, Contact Address and Mbl No.	Land Area	Dyke Design/Dra wing submitted	Dyke Design/Dra wing approved	Dyke Construct ion Complete d	Dredge d Materi al Filledo ut	Financial Transacti on Yes/No
1	R2 1	R21-D1	9 km	Tentuli a river, 40 m (Appro x.)	Done	Salam Fakir NID: 8223014047 Mbl # 01766- 138946 Village: Ghagoria Union: Ghagoria Upazila: Mehendiganj District: Barishal	8,093 m2 or 200 Decimal (Appx)	Done	Done	Done	Done	Under processi ng, Amount : 1,00000 tk.
2	R2 1	R21-D2	9 km	Tentuli a river, 30 m (Apprx	Done	Mizan Fakir NID: 6860475422 Mbl # 01712- 878285	4,869 m2 or 120.32 Decimal (Approx)	Done	Done	Done	Done	Under processi ng, Amount : 72,600

SN	Rou te No.	Dyke No	Rout e Leng th	R.Name Distance from R.Bank	GFA	Name of the Land Owner, NID, Contact Address and Mbl No.	Land Area	Dyke Design/Dra wing submitted	Dyke Design/Dra wing approved	Dyke Construct ion Complete d	Dredge d Materi al Filledo ut	Financial Transacti on Yes/No
						Village: Bheduriya Union: Bhola Sadar Upazila: Bhola Sadar District: Bhola						tk.
3	R2 1	R21-D3	9 km	Tentuli a river, 20 m (Appro x.)	Done	Salam Fakir NID: 8223014047 Mbl # 01766- 138946 Village: Ghagoria Union: Ghagoria Upazila: Mehendiganj District: Barishal	9,064 m2 or 223.99 Decimal (Approx.)	Done	Done	Done	Done	Under processi ng, Amount: 1,12,00 0tk.
4	R2 1	R21-D4	9 km	Tentuli a river, 220 m (Appro x.)	Under Process ing	Jahangir Hossain NID: Mbl # 01620- 487692 Village: Shreipur Union: Mehendiganj Upazila: Mehendiganj District: Barishal	3,237 m2 or 79.99 Decimal (Approx.)	Done	Done	Done	Done	No
5	R2 1	R21-D5	9 km	Tentuli a river, 30 m (Appro x.)	Done	Mizanur Rahman NID: 6860475422 Mbl # 01712- 878285 Village: Ghagoria Union: Mehendiganj Upazila: Mehendiganj District: Barishal	12,139 m2 or 299.988 Decimal (Approx.)	Done	Done	Done	Done	Under processi ng, Amount: 1,20000 Tk.
6	R2 1	R21-D6	9 km	Tentuli a river, 30 m (Appro x.)	Done	Nur Nabi Vhuiya NID: 616213050970 Mbl # 01846- 565388 Village: Ghagoria Union: Mehendiganj Upazila:Mehendi ganj District: Barishal	14,365 m2 or 354.999 Decimal (Approx.)	Done	Done	Done	Done	Under processi ng, Amount: 2,84000 tk.
7	R2 1	R21-D7	9 km	Tentuli a river, 30 m (Appro x.)	Done	Nur Nabi Vhuiya NID: 616213050970 Mbl # 01846- 565388 Village: Ghagoria Union: Mehendiganj Upazila:Mehendi ganj District: Barishal	7,890 m2 or 194.98 Decimal (Approx.)	Done	Done	Done	Done	Under processi ng, Amount : 1,56000 tk.

SN	Rou te No.	Dyke No	Rout e Leng th	R.Name Distance from R.Bank	GFA	Name of the Land Owner, NID, Contact Address and Mbl No.	Land Area	Dyke Design/Dra wing submitted	Dyke Design/Dra wing approved	Dyke Construct ion Complete	Dredge d Materi al	Financial Transacti on Yes/No
										d	Filledo ut	
8	R2 1	R21- D7(Extens ion)	9k m	Tentuli a river, 30 m (Appro x.)	Done	Nur Nabi Vhuiya NID: 616213050970 Mbl # 01846- 565388 Village: Ghagoria Union: Mehendiganj Upazila:Mehendi ganj District: Barishal	9695.66 m2 or 239.48 Decimal (Approx.)	Done	Done	Done	Done	
9	R2 1	R21-D8	9 km	Tentuli a river, 10 m (Aprox .)	Under Process ing	Zhariul Islam Nakib NID: 4192286039 Mbl # 01711- 320785 Village: Bheduriya Union: Bhola Sadar Upazila: Bhola Sadar District: Bhola	6360.0956 m2 or 157.1758 Decimal (Approx.)	Done	Done	Done	Done	Under processi ng
1 0	R2 1	R21-D9	9 km	Tentuli a river, 1402 m	Under Process ing	Kabi Hossain Mridha NID: 6878485082 Mbl # 01735- 802399 Village: Ghagoria Union: Mehendiganj Upazila:Mehendi ganj District: Barishal	48733.096 m2 or 1204 Decimal (Approx.)	Done	Done	Done	Done	Under processi ng
1	R2 1	R21-D10	9 km	Tentuli a river, 1036 m	Under Process ing	Md. Hakim uddain NID: 1928737947 Mbl # not given Village: Bheduria Union: Bhola Sadar Upazila:Bhola Sadar District: Bhola	31,074.581 m2 or 767.940 Decimal (Approx.)	Done	Done	Done	Done	Under processi ng
1 2	R2 1	R21-D11	9 km	Tentuli a river, 1078 m (Aprox .)	Under Process ing	Pvt. land owner: Rahul amin NID: 0616213050968(Rahul amin) Mbl # 01762- 447287 (Rahul amin) Public school land owner: Bangladesh Govt. Mbl# 01795- 831831 (Mrs.Rina, Headmaster) NID: not found (Mrs.Rina, Headmaster)Vill age: Shreipur	17,955.393 7m2 or 4.4368 acre or 443.72 Decimal (Approx.)	Done	Done	Done	Done	Under processi ng by contract or

SN	Rou te No.	Dyke No	Rout e Leng th	R.Name Distance from R.Bank	GFA	Name of the Land Owner, NID, Contact Address and Mbl No.	Land Area	Dyke Design/Dra wing submitted	Dyke Design/Dra wing approved	Dyke Construct ion Complete d	Dredge d Materi al Filledo ut	Financial Transacti on Yes/No
						Union: Mehendiganj Upazila: Mehendiganj District: Barishal						
1 3	R2 1	R21-D12	9 km	Tentuli a river, 1006 m	Under Process ing	Harun chairman NID: Under processing Mobile # 01712- 404378 Village: Shreipur Union: Mehendiganj Upazila: Mehendiganj District: Barishal	2942.73 m2 or 72.72 Decimal (Approx.)	Done	Done	Done	Done	Under processi ng by contract or
1 4	R2 1	R21-D13	9 km	Tentuli a river, 670m	Under Process ing	Harun chairman NID: Under processing Mobile # 01712- 404378 Village: Shreipur Union: Mehendiganj Upazila: Mehendiganj District: Barishal	5193.85 m2 or 128.35 Decimal (Approx.)	Done	Done	Done	Done	Under processi ng by contract or
1 5	R2 1	R21-D14	9 km	Tentuli a river, 853m	Under Process ing	Mizanur Rahman Harun NID: 6860475422 Mobile # 01712- 878285 Village: Shampur Union/post: Kalupur Upazila: Bhola Sadar District: Bhola	41180.16 m2 or 1017.56 Decimal (Approx.)	Done	Done	Done	Done	Under processi ng by contract or
1 6	R2 1	R21-D15	9 km	Tentuli a river, 77m	Under Process ing	Mizanur Rahman Harun NID: 6860475422 Mobile # 01712- 878285 Village: Sreepur Union: Mehendiganj Upazila: Mehendiganj District: Barishal	63,636.912 m2 or 1572.6467 Decimal (Approx.)	Done	Done	Done	ongoi ng	Under processi ng by contract or
7	R2 1	R21-D16	9 km	Tentuli a river, 300 m (Appro x.)	Under Process ing	Kamal hossain (member) NID: Not given by contractor Mbl: Village: Ghagoria Union: Bhola Sadar Upazila: Bhola Sadar District:Bhola	40,500 sqm or 1,000.75 Decimal	Done	Done	Done	ongoi ng	Under processi ng by contract or
1 8	R2 1	R21-D17	9 km	Tentuli a river, 10 m (Appro x.)	Under Process ing	Salam Fakir NID: 8223014047 Mbl # 01766- 138946	3,429 m2 or 84.730 Decimal (Approx.)	Done	Done	Dyke construct ion on going	ongoi ng	Under processi ng by contract or

SN	Rou te No.	Dyke No	Rout e Leng th	R.Name Distance from R.Bank	GFA	Name of the Land Owner, NID, Contact Address and Mbl No.	Land Area	Dyke Design/Dra wing submitted	Dyke Design/Dra wing approved	Dyke Construct ion Complete d	Dredge d Materi al Filledo ut	Financial Transacti on Yes/No
						Village: Ghagoria Union: Ghagoria Upazila: Mehendiganj District: Barishal						
1 9	R2 1	R21-D18	9 km	Tentuli a river, 1632 m (Aprox .)	Under Process ing	Harun chairman and association with commissioner NID: under process Mbl # under process Village: Ghagoria Union: sreepur Upazila: Mehendiganj District: Barishal	6934.84 sqmor171. 28 decimal	Done	Done	Dyke construct ion on going	ongoi ng	Under processi ng by contract or

Table 14: The progress of Dykes and GFA for Lot-3 during this reporting period (R-16, Dyke-1&2)

S	N	Route No.	Route Length	Dyke No	River Name and Distance from the River Bank	GFA	Name of the Land Owner, NID, Contact Address and Mbl No.	Area of the Land	Dyke Design/ Drawi ng submit ted	Dyke Design/ Drawin g approve d	Dyke Construct ion Complete d	Dredge d Materi al Filled out	Financial Transacti on Yes/No	Remar ks
	1	R16	15 km	R16- D1 (Exte nsion)	Maskata river, Adjacent to the left bank of river[Disp osal area boundary wall constructe d upon previous dyke no.1 (R16-D1)]	Under Proce ssing	MD.Amir hossain Jomaddar NID: 8225574485 Mbl # 01718051191 Village/mouja: Sadequepur Union: Mehendiganj Upazila: Mehendiganj District: Barishal	19,755. 98m2 or 488.22 Decima 1 (Appro x.)	Done	Done	Done	Done	Under processi ng.	Same dyke but extens ion
				R16- D1(O ld)	Maskata river, Adjacent to the left bank of river(Usin g Torza as well as bamboo strip for dyke boundary wall)	Under Proce ssing	MD.Amir hossain Jomaddar NID: 8225574485 Mbl # 01718051191 Village/mouja: Sadequepur Union: Mehendiganj Upazila: Mehendiganj District: Barishal	17,633 m2 or 435.76 Decima 1 (Appro x.)	Done	Done	Done	Done		
	2	R16	15 km	R16- D2 (Exte nsion)	Maskata river Adjacent to the right bank of	Under Proce ssing	Adv. Md Khorshed NID: 7328539411 and Adv.Md Jakir Hossain	40,804. 1 m2 or 1008.3 9 decimal	Done	Done	Done	Done	Under processi ng.	Same dyke but extens ion

SN	Route No.	Route Length	Dyke No	River Name and Distance from the River Bank	GFA	Name of the Land Owner, NID, Contact Address and Mbl No.	Area of the Land	Dyke Design/ Drawi ng submit ted	Dyke Design/ Drawin g approve d	Dyke Construct ion Complete d	Dredge d Materi al Filled out	Financial Transacti on Yes/No	Remar ks
			R16-	river(Usin g Torza as well as bamboo strip for dyke boundary wall)	Unde	NID: 0616213038313 Mb1 # 01770198608 Village: Char Mitua Union: Alimabad Upazila: Mehandiganj District: Barishal	11.596	Done	Done	Done	Done	Under	
			D2	river, Adjacent to the right bank of river(Usin g Torza as well as bamboo strip for dyke boundary wall)	r Proce ssing	Khorshed NID: 7328539411 and Adv.Md Jakir Hossain NID: 0616213038313 Mb1 # 01770198608 Village: Char Mitua Union: Alimabad Upazila: Mehandiganj District: Barishal	m2 or 286.56 Decim al (Appro x.)	Done	Done	Done	Done	processi ng.	

Table 15: The progress of Dykes and GFA for Lot-3 during this reporting period (R-13, Dyke-1 to 3)

S N	Rout e No.	Route Lengt h	Dyk e No	River Name and Distanc e from the River Bank Meghn	GFA Under	Name of the Land Owner, NID,Contact Address and Mbl No.	Area of the Land	Dyke Design/Drawin g submitted	Dyke Design/Drawin g approved Done	Dyke Constructio n Completed	Dredge d Materia l Filled out	Financial Transactio n Yes/No
1	KIS	km	-D1	a & Aril khan river, 914m	Processin g	NID: not given Mbl # 01739224610 Village: Narshinshopur Union: Shokhipur Upazila: Bhedorganj District: Shariotpur	5 m2 or 574.028 Decimal (Approx.)	Done	Done	Done	Done	processing by Banga contractor
2	R13	1.4 km	R13 -D2	Meghn a & Aril khan river, 100m	Under Processin g	land owenr: pulic/Governme nt NID: Mbl # Village: Lokkhir char Union: Upazila: Chandpur sadar District: Chandpur	16,180 m2 or 399.85 decimal	Done	Done	Done	Done	Under processing by Banga contractor

SN	Rout e No.	Route Lengt h	Dyk e No	River Name and Distanc e from the River Bank	GFA	Name of the Land Owner, NID,Contact Address and Mbl No.	Area of the Land	Dyke Design/Drawin g submitted	Dyke Design/Drawin g approved	Completed	Dredge d Materia l Filled out	Financial Transactio n Yes/No
3	R13	1.4 km	R13 -D3	Meghn a & Aril khan river, 145m	Under Processin g	Md. Md. Dulal Khan NID: Not given by land owner Mbl # 01729- 505858 Md. Monir Hossain NID: Not given by land owner Mbl # 01791- 330411 Village: Narshinshopur Union: Shokhipur Upazila: Bhedorganj District: Shariotpur	18046.71 m2 or 445.984 Decimal (Approx.)	Done	Done	Done	Done	Under processing by Banga contractor

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CHAPTER 03: ACHIEVEMENTOF LAST MONTH PLAN AND NEXT MONTH PLAN

3.1 ACHIEVEMENT OF REPORTING MONTH:

S₁A

- a) Submitted Daily Survey and Dredging Monitoring Sheet to PIU and WB.
- b) Conducted Supervision and Monitoring Surveys of Dredging activities on Route 9, Route 7&8 under Lot-2.
- c) Reviewing and Assessing volume for Route 13 and Route 16 under Lot-3
- d) Resolving dispute of local communities at route-9.
- e) Coordinating with government administration for resolving route-9 dredging embargo.
- f) During this reporting period, contractors have begun collecting samples to assess Underwater Noise levels and Dredged Material Quality, both of which are new additions to our evaluations

LOT-2

- a) Completed 11.36 km of dredging of 20 km on Route 9, which is 56.8% dredging progress on Route 9.
- b) Completed 3.23 km of dredging of 5.8 km on Route 7 & 8, which is 55.6%
- c) Related Environmental, Social and GRM Activities have been conducted
- d) Under Water Noise level and Dredged Material Quality have been started to collect the samples and in this reporting period these are newly included for assessment.

LOT-3

- a) Hydrographic Survey on Route 13 and Route 12.
- b) Completed 950 m of dredging on Route 13.
- c) Related Environmental, Social and GRM Activities have been conducted

3.2 NEXT MONTH PLAN:

S₁A

- a) Reviewing the Volume data with the submitted data by the contractor and assess the volume for Route 7 & 8 and Route 9 under Lot-2.
- b) Supervision and Monitoring of Surveying, dredging activities and quality, ESHS and GRM activities of Lot-2 and Lot-3 as mentioned below.
- c) Conducting Good Faith Agreement on Route 6, 9, 7 & 8 and 11 under Lot-2 and on Route 13, 16 and 21 under Lot-3.
- d) Expediting navigational aid installation work plan from the Lot-2 and Lot-3 contractors
- e) Expedite the dredging activity of Lot-2 in order to complete 100% of dredging work by 5th June, 2024

LOT-2

- a) Expediting dredging work on Route 6, 7 &8, 9 and 11 in order to meet 100% of development dredging by 5th June, 2024.
- b) Dredging Route 6, 7 & 8, 9 and 11.
- c) Constructing dyke as per the approved design by the S1A.
- d) Related Environmental, Social and GRM Activities

e) The contractor needs to start their handover procedure and the pertinent post survey as well.

LOT-3

- a) Dredging work on Route 13 and 12.
- b) Constructing dyke as per the approved design by the S1A.
- c) Related Environmental, Social and GRM Activities.
- d) Constructing dyke as per the approved design by the S1A
- e) The contractor needs to start their handover procedure and the pertinent post survey as well.

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CHAPTER 04: CONCLUSION AND/OR RECOMMENDATIONS

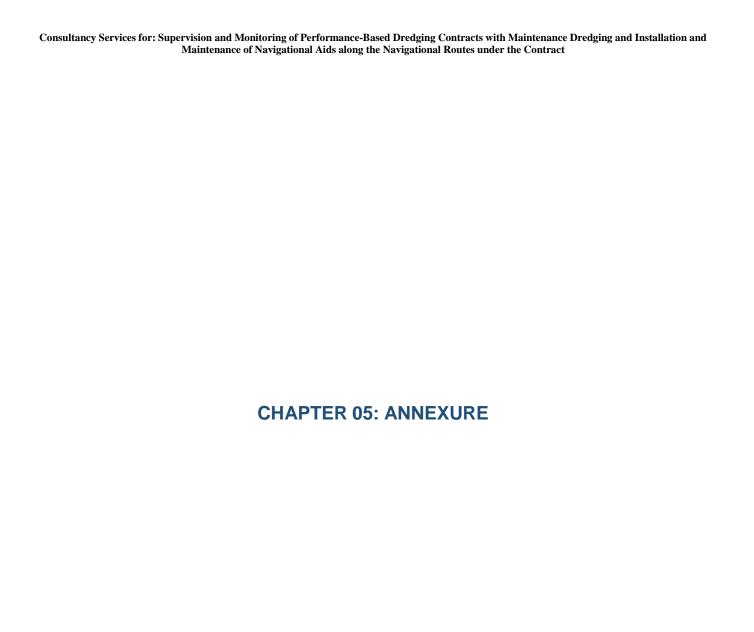
The progress of lot-2 dredging activities was very low during this reporting period due to government administration embargo on route-9 for resolving local community issues. Lot-2 contractor needs to accelerate their pace to complete the phase-1 work as per contract.

The progress of lot-3 dredging activities was good so far during this reporting period. They are close to finish their phase-1 activities within the stipulated time.

Both the lot-2 and lot-3 contractors need to expedite their Aid to Navigation activities as it was supposed to be completed by 05-Jun-2024 as per contract. It may exceed this timeline for a short period of time.

As this is the end of phase-1 activities both the contractors of lot-2 and lot-3 need to start their handover procedure and the pertinent post survey as well.

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Progress and Coordination Meetings:



Local Level Stakeholder Communication and Consultation



Field Visit April, 2024











Monthly Environmental Sample Collection at Lot-3 sites:













Monthly Environmental Sample Collection at Lot-2 sites:













ANNEX II:

Laboratory Test Results of Environmental Parameters, April, 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: 23°53'25.70"N 90°49'5.37"E; Near Narsingdi Nouka Ghat, Route - 7&8
		AQ2: 23°53'34.82"N 90°48'50.81"E; Near Narsingdi Nouka Ghat, Route -7&8
Monitoring Date	:	24.04.2024
Reporting Date	:	02.05.2024

Description of Analysis:

T41	CP D-4-	Ambient Air Pollutants' Concentration in μg/m3						
Location	Sampling Date	SPM	PM10	PM2.5	SO2	NO2	mg/m3	
AQ1	24/04/2024	158.36	72.49	45.16	26.38	34.41	0.8	
AQ 2	24/04/2024	148.86	68.81	40.25	21.59	29.52	0.7	
Air Pollution (control) rules,		-	150	65	80	80	5	
Method of Analysis Instrument Use: Haz-Scanner TM (HIM, 6000)		Particulates Sensor Light Scattering Nephelometer			High Sensitivity Electrochemica			

Note: *Air Pollution (Control) Rules, 2022
Legend: PM10-Particulate Matter of a diameter of 10 microns or less. PM25-Particulate Matter of a diameter of 2.5 microns or less, SO2 -Sulphur Dioxide; NO2-Nitrogen-Dioxide; CO -Carbon Monoxide



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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	1:	Noise Level
Location	:	NL1: 23°50'50.13"N 90°50'38.73"E; Near Narsingdi Nodi Ghat, Route - 7&8 NL2: 23°53'35.74"N 90°48'51.62"E; Near Narsingdi Nodi Ghat, Route -
		7&8
Monitoring Date	:	24.04.2024
Reporting Date	1:	02.05.2024

Description of Analysis:

ation	Noi	se level (dB	(A))	Bangladesh Standard (dB(A)) *	IFC EHS Guideline (2007)	Location setting
Loc	Leq _{day}	\mathbf{L}_{max}	$\mathbf{L}_{\mathbf{min}}$	Day	Day	Mixed area
NL1	55.3	70.2	38.1	60	70	Mixed area
NL2	51.7	67.6	34.9	60	70	

Note:

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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.



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^{*}Ministry of Environment, Forest, and Climate Change. (2006). Noise Pollution (Control) Rules, 2006 (S.R.O. No. 212-Law/2006).



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: 23°54'27.67"N 90°48'58.66"E, Near Nodi Ghat Narsingdi (Route-7&8)
Monitoring Date		25.04.2024
Reporting Date		02.05.2024

Description of Analysis:

Code	Location	L _{Avg} [dB (A)]	*Standard
UWNL1	Near Nodi Ghat Narsingdi (Route-7&8)	58.2	No International/ GoB Standard



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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 - 23°54'33.16"N 90°49'1.81"E - Surface water sampling from Meghna River - Route 7 & 8
		SW2 - 23°53'45.12"N 90°49'6.44"E - Surface water sampling from Meghna River - Route 7 & 8
Sampling Date	:	25.04.2024
Reporting Date	:	03.05.2024

Description of Analysis:

D	TT24	Concentratio	Barrela de la Cércida de			
Parameters	Unit	SW1	SW2	Bangladesh Standar		
Temperature	°C	28.6	28.8	-		
EC	μS/cm	475	490	-		
Turbidity	NTU	4.9	5.3	1/2		
pH	-	7.67	7.81	6-9		
TDS	ppm	234	243	1000		
DO	mg/L	6.1	6.3	5 of more		
Potassium	mg/L	32	29	-		
Calcium	mg/L	34	31	-		
Magnesium	mg/L	18	21	P20		
Phosphate	mg/L	1.4	1.5	-		
Chloride	mg/L	25	29	1/2		
Fluoride	ppm	0.8	1	.=:		
Nitrate	mg/L	0.7	0.9	7		
BOD5 (at 20°C)	mg/L	3.9	4.1	6 of less		
Sulfate	mg/L	19	21	/ - /		
TSS	mg/L	205	213	-		

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



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Ref: ELRC/ Dredge Material /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	:	Dredge Material – Lot 2
Location	:	DM1 - 23°53'27.43"N 90°48'52.85"E - Balu Char, Route -7 & 8
		DM2 - 23°54'22.66"N 90°48'53.33"E - khodadila, Route -7 & 8
Sampling Date	:	24-25.04.2024
Reporting Date	:	02.05.2024

		Dredge Mat	erial – Lot 2	Seeded William See Libert	Dutch Environmental Standard (mg/kg)	
Parameter	Unit	DM1	DM2	Methodology		
Lead	mg/kg	12.24	13.37	ICPMS	85	
Cadmium	mg/kg	0.08	0.06	ICPMS	0.8	
Chromium	mg/kg	20.49	18.67	ICPMS	100	
Zinc	mg/kg	28.18	25.42	ICPMS	140	
Arsenic	mg/kg	1.89	1.92	ICPMS	29	

Note: ICPMS - Inductively coupled plasma mass spectrometry



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Laboratory Test Result of Lot-3:



Ref: ELRC/Air Quality/ AQMM2024-04

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	:	29.04.2024
Monitoring Location	:	Route 21; (AQ-1)- 22°42'19.00"N 90°32'54.00"E Route 21; (AQ-2)- 22°41'59.01"N 90°33'31.90"E

Description of Analysis:

Location	Sampling	Ambient Air Pollutants' Concentration in µg/m³					
Location	Date	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	mg/m3
AQ-1 Route 21	29/04/2024	61.16	37.78	16.20	13.11	17.90	0.7
AQ-2 Route 21	29/04/2024	66.48	40.15	15.24	12.63	15.62	0.8
Air Pollution (control) rules, 2022*		*	150	65	80	80	5
Method of Analysis Instrument Use: Haz-Scanner TM (HIM, 6000)		Waterway Street Committee	iculates Ser tering Neph	10000 0000	1,000000	gh Sensiti ctrochem	

Note: * Air Pollution (Control) Rules, 2022
Legend: PM₁₀-Particulate Matter of a diameter of 10 microns or less, PM₂₃-Particulate Matter of a diameter of 2.5 microns or less, SO₂-Sulphur Dioxide; NO₂-Nitrogen-Dioxide; CO - Carbon Monoxide

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Ref: ELRC/ Underwater Noise Level/ UWNL2024-04

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°42'16.49"N 90°33'12.30"E, Route-21				
Monitoring Date	:	29.04.2024				

Description of Analysis:

Ī	Codo	Laantan	L _{Avg [dB (A)]} *Standard		
	Code	Location	[dB (A)]		
	UWNL1	Route 21	61.6	No standard of International / GoB	

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Ref: ELRC/Noise Level/ NLMM2024-04

Project Name	:	BIWTP -1, LOT-3: OPBC Works of Development Dredging v maintenance and Aids to Navigation with installation ald inland waterway Routes- 12,13,13a, 15 &16, 17 and 21			
Monitoring Activity	1	Noise Level			
Location	;	NL1 22°42'18.27"N 90°32'50.48"E, (Route-21)			
Monitoring Date	1	29.04.2024			

Description of Analysis:

Location	Nois	e level (dB)	(A))¹	Bangladesh Standard (dB(A)) ²	IFC EHS Guideline (2007) ³	Location setting	
Š	Leq _{day}	L _{max}	L _{min}	Day	Day		
NL1	65.86	71.56	38.58	2	-	-	

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.

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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



Ref: ELRC/Surface Water Quality/ SWMM2024-04

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- 21.				
		SW1 - 22°42'11.98"N 90°32'41.42"E, Route 21				
		SW2 - 22°42'15.09"N 90°33'41.73"E, Route 21				
Samplina Date	:	29.04.2024				

Description of Analysis:

D	1124	Concentration Pre	Bangladesh	
Parameters	Unit	SW1	SW2	Standard
Temperature	°C	25.4	26.8	-
EC	μ\$/cm	292	298	-
Turbidity	NTU	6.7	6.3	-
рН	-	7.35	7.82	6 - 9
TDS	ppm	142	144	1000
DO	mg/L	7.5	7.2	5 or more
Potassium	mg/L	8.5	8.9	-
Calcium	mg/L	<0.01	<0.01	-
Magnesium	mg/L	17	22	-
Phosphate	mg/L	<0.01	<0.01	0.05
Chloride	mg/L	6.4	6.8	-
Fluoride	ppm	0.8	0.9	-
Nitrate	mg/L	0.6	0.8	7.0
BOD5 (at 20°C)	mg/L	1.4	1.7	6 or less
Sulfate	mg/L	16	19	-
TSS	mg/L	81	84	-

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

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Ref: ELRC/ Dredge Material / SDMM2024-04

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	:	Dredge Material – Lot 3							
Sampling Date	:	29.04.2024							

Location Details:

Code	Route No.	GPS Location
DM-17a	Route 21	22°42'21.00"N 90°32'54.00"E
DM-17b	Route 21	22°42'22.52"N 90°32'53.14"E
DM-17c	Route 21	22°42'22.42"N 90°32'55.30"E
DM-18a	Route 21	22°42'44.00"N 90°32'57.00"E
DM-18b	Route 21	22°42'43.01"N 90°32'57.93"E
DM-18c	Route 21	22°42'44.42"N 90°32'58.28"E
DM-19a	Route 21	22°42'23.00"N 90°33'45.00"E
DM-19b	Route 21	22°42'23.84"N 90°33'42.96"E
DM-19c	Route 21	22°42'22.38"N 90°33'43.71"E

Description of Analysis:

			Dredge Material Route 21 ≥ $\overline{\sigma}$						5			
Parameter	Unit	DM17a	DM17b	DM17c	DM18a	DM18b	DM18c	DM19a	DM19b	DM19c	Methodology	Dutch Environmental standard (mg/kg)
Lead	mg/kg	11.42	13.56	11.98	14.65	13.57	13.78	12.48	12.39	13.03	ICPMS	85
Cadmium	mg/kg	0.059	0.058	0.059	0.057	0.059	0.058	0.059	0.058	0.056	ICPMS	0.8
Chromium	mg/kg	12.46	12.25	13.88	16.37	15.09	16.80	14.39	15.84	14.76	ICPMS	100
Zinc	mg/kg	21.56	20.97	22.65	26.32	27.35	28.48	23.31	25.79	27.83	ICPMS	140
Arsenic	mg/kg	1.75	1.62	1.73	1.99	1.98	1.96	1.88	1.69	1.75	ICPMS	29

Note: ICPMS - Inductively coupled plasma mass spectrometry

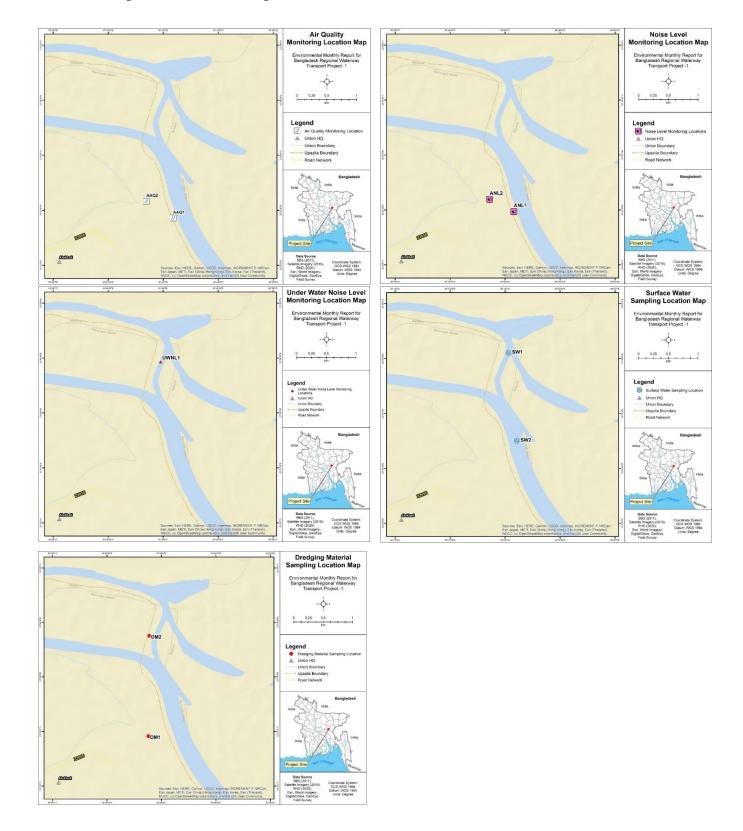
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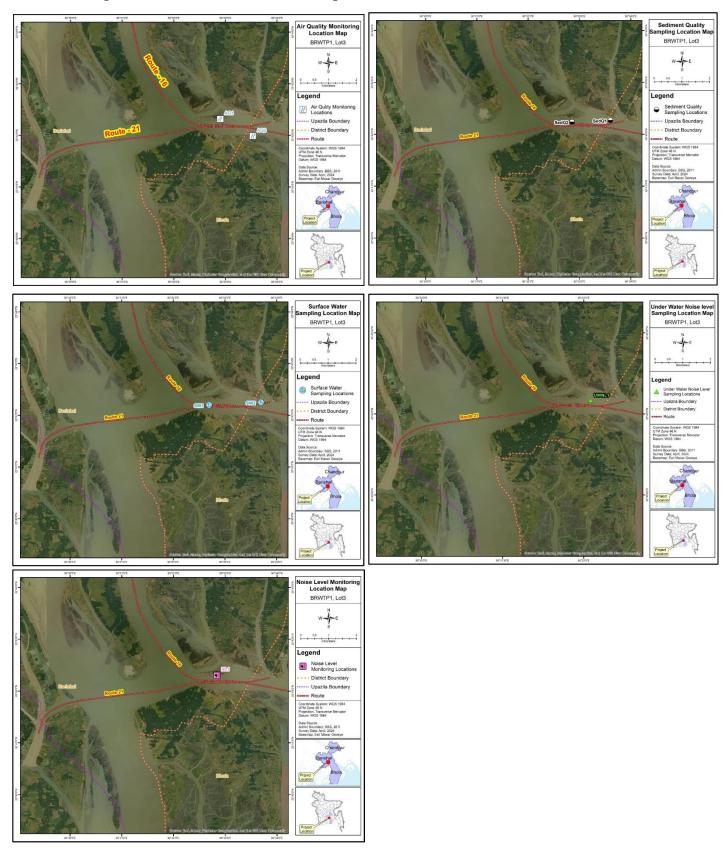


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Location Map Environmental Sample Collection at Lot-2 sites:



Location Map of Environmental Parameters Sample Collection- Lot-3



ANNEX IV: Checklists of April 2024

Checklist of Lot-3

Dredging April 2024

Checklist Items			Dredgii	ng Activity		Comments/Compliance
			Daily	Monthly	When and As Required	
1	Gaug	e reading & Water level (WL)	0	0	$\sqrt{}$	
2		ectivity with BM & TBM	0	0	$\sqrt{}$	
3	Study	Hydrographic Chart	0	0	1	
4	WL a	g Cutting Depth respect to existing s per design depth	0	0	V	
5		king Dredging Alignment	0	0	1	
6	Checl	king Dredged Activities as below;				Dredged Activities for the month of April, 2024
	a	Dredging Hours	0	1	0	Total Dredging Hours 633.15 hrs (Route 21 is 578.3hrs, Route 16 is 54.85 hrs & Route 13 is 0hrs)
	b	Cutting Length	0	√ 	0	Total length is 3088m Route 21 length total 2583m (here length 2583m for 38m width). Route 16 length 505m (here length 505m for 38m width) Route 13 length 0.00 m(due to previous month work finished)
	С	Cutting Depth	0	1	0	Average Cutting Depth for Route 21 is 1.98m, route 16 is 2.023m & route 13 is 0.00m)
	d	Cutting Width	0	$\sqrt{}$	0	Cutting Width Route 21 & 16 is 76m and Route 13 is 76m
	e	Dredged Volume	0	V	0	Total Dredged Volume 2,05,319.32 cum (Route 21 is 1,86,844.1cum, Route 16 is 18,475.22cum & Route 13 is 0.00 cum)
7		rvising Dredged Material Disposal whether the Dykes are designed as per	0	V	0	Supervised together with dredging experts durning the new dyke construction and it is observed that Dykes are maintained as per Design
8	Area	rvising Dredged Material Disposal whether the Dykes are capable to the pressure of disposed materials	0	V	0	Its observed that new dyke boundary wall maintained proper design thickness, slope, layer of compaction, 20m/30m safe distance from river bank.
9	Checl	king outlet of the compartment	0	√	0	Using 5rs/4nrs of outlet of this compartment
10	Check whether the dykes are being constructed at safe distance from river bank		0	V	0	644m, 1067m, 1343m and 762m safe distance from the river bank
11	Check construction of the pipe line whether there is any leakage in the Joints of Floating Pipe/Shore pipe lines		0	1	0	No leakage observed in the Joints of Floating Pipe/Shore pipe lines
12	Check Keepi instal	k whether dredging work exacting ing Safety distance of River side lations like Road/houses/buiding.	0	1	0	It is observed that contractor maintained 100m from safe distance from Road/Houses/building and 20m-30m safe distance maintained from river Bank
13	Checl	k Survey Activities	0	1	0	Hydrographic Post details survey work done on dated 21.04.2024 to 22.04.2024 for lot 3 Route number 16(Patarhat-Bheduria) Hydrographic Post details survey work done on dated 24.04.2024 to 25.04.2024 for lot 3 Route 21(Laharhat-Bheduria)

ESHS

	Checklist Items		redging Activ		Comments/Compliance
		Daily	Monthly	Quarterly	
1	EIA and Environmental Permits	0	0	V	
2	Explanation to the Local Stakeholders	0	0	√	
3	Signboards, Notice Boards	0	0	√	Not found/observed at site for all route in lot_3
1	Air Quality	0	√	0	All Test done for Route no. 21 only
2	Surface Water Quality	0	√	0	
3	Solid Wastes	0	V	0	
4	Liquid Wastes	0	V	0	
5	Soil Contamination	0	V	0	
6	Noise and Vibration	0	V	0	
7	Underwater Noise	0	V	0	
8	Odor	0	V	0	
9	Riverbed Sediment	0	V	0	
10	Groundwater	0	V	0	
1	Protected Areas	0	V	0	
2	Habitat Type	0	1	0	
3	Hydrology	0	1	0	
4	Topography and Geology	0	1	0	
5	Dolphin Observation	0	√ V	0	
6	Fish Catch Examination	0	V	0	
7	Flora (Aquatic & Terrestrial)	0	V	0	
8	Benthos (Micro & Macro)	0	V	0	
9	Phyto- & Zoo-planktons	0	V	0	
1	Resettlement	0	0	V	
2	Living and Livelihood	0	0	V	
3	Heritage	0	0	V	
4	Landscape			V V	
5	Ethnic Minorities and Indigenous	0	0	V	
3	Peoples	O	O	V	
1	Work Permit/Contract	0	0	V	
2	Daily Toolbox Meeting - OHS	0	0	,	
3	Working Conditions	0	V	0	Fair
4	Impact/Precaution during Dredging	0	0	√ √	Not any major issue observed
5	Accident Prevention Measures	0	V	0	not found
6	Working Condition		0	0	Fair
7	Accommodation		0	0	House Boat
8	Personal Protection Equipment	√ √	0	0	Safety helmet, Safety vest, safety shoes, Hand gloves etc store at site but do not wear or maintain properly
9	Drinking Water	√	0	0	Freshwater daily collect from tube well of near by
10	Conitary Condition	√	_	 	village Good errengement kent in House heet
	Sanitary Condition		0	0	Good arrangement kept in House boat
1	Agreement with Land Owner	0	0	√ 0	Process on going
2	Land Use Type	0	V	0	Once or twice cultivated land in a year and also some non cultivated fellow land
3	Dyke Design Approval	0	√	0	Dyke no.7 (extension), Dyek no. 16, Dyke no.17 and Dyke no.18 for route 21 constructed. (Not any new dyke constructed for route 16 & route 13)
4	Dyke Setback Distance	0	√	0	640m, 1067m, 1632m and 1343m safe distance from the river bank
5	Disposal Area Dyke Height	0	√	0	Height 1.875m (avg) for Route no.21, Height 2.0m for Route no.16 and Height 1.8m for Route no.13
6	Dyke Strengthened/Material Used*	0	0	V	When required then used
1	Carbon Emission	0	0	√	Very low by dredgers
2	Leakage	0	0	V	Not observed or not found in lot 3
3	Oil Spill	0	0	V	Visibly very less observed from dredgers and oil tanker
4	Onboard Waste Management	0	0	V	Not satisfactory or poor management

	Checklist Items	Dredging Activity			Comments/Compliance
		Daily	Monthly	Quarterly	
5	Noise and Vibration	0	0	√	Very low by dredgers

Environmental Item	Main Check Items	Yes: Y No: N
	(a) Have EIA reports been already prepared in official process?	Y
	(b) Have EIA reports been approved by authorities of the host country's government?	Y
(1) EIA and Environmental Permits	(c) Have EIA reports been unconditionally approved? If conditions are imposed on the approval of EIA reports, are the conditions satisfied?	Y
	(d) In addition to the above approvals, have other required environmental permits been obtained from the appropriate regulatory authorities of the host country's government?	Y
(2) Explanation to the Local Stakeholders	(a) Have contents of the project and the potential impacts been adequately explained to the Local stakeholders based on appropriate procedures, including information disclosure? Is understanding obtained from the Local stakeholders?	Y
(3) Examination of Alternatives	(a) Have alternative plans of the project been examined with social and environmental considerations?	Y
(1) Air Quality	(a) Do air pollutants, such as sulfur oxides (SOx), nitrogen oxides (NOx), soot and dust emitted from the ships, vehicles and the facilities like docs comply with the country's emission standards? Are any mitigating measures taken?	Y
(2) Water Quality	(a) Do pollutants, such as Suspended Soils (SS), oils/fats and other toxicants contained in effluents comply with the country's effluent standards (BOD, COD, ph, etc)? Is there a possibility that the effluents from the project will cause areas not to comply with the country's ambient water quality standards?	Y
	(b) Are adequate measures taken to prevent contamination of surface water, groundwater and soil by the effluents from storage areas, including raw materials, chemicals, and wastes?	N
(3) Wastes	(a) Are wastes (including hazardous wastes and other industrial wastes) generated from the project facilities properly treated and disposed of in accordance with the country's regulations?	N
	(b) Are adequate measures taken to prevent contamination of soil and groundwater by leachates from the waste storage/disposal sites?	N
(4) Noise and Vibration	(a) Do noise and vibrations comply with the country's standards?	Y
(5) Subsidence	(a) In the case of extraction of a large volume of groundwater, is there a possibility that the extraction of groundwater will cause subsidence?	N
(6) Odor	(a) Are there any odor sources? Are adequate odor control measures taken?	N
	(a) Sediment collection in presence of S1A team members/staff?	Y
(7) Divisible d. Sodies and	(b) Samples sent to the laboratory within 12 hours?	Y
(7) Riverbed Sediment	(c) If sample results showed presence of heavy metal, treatment measures like separate compartment for disposal of dredged material taken by the Contractor	N
(8) Groundwater	Samples collected and analyzed	N
(1) Protected Areas	(a) Is the project site located in protected areas designated by the country's laws or international treaties and conventions? Is there a possibility that the project will affect the protected areas?	N
(2) Ecosystem/Habitat Type	(a) Does the project site encompass primeval forests, tropical rain forests, ecologically valuable habitats (e.g., Char land, reedland, mangroves, or tidal flats)?	N
(2) Leosystem Hautat Type	(b) Does the project site encompass the protected habitats of endangered species designated by the country's laws or international treaties and conventions?	N

Environmental Item	Main Check Items	Yes: Y No: N
	(c) If significant ecological impacts are anticipated, are adequate protection measures taken to reduce the impacts on the ecosystem?	N
	(d) Is there a possibility that the amount of water (e.g., surface water, groundwater) used by the project will adversely affect aquatic environments?	N
	(e) Are adequate measures taken to reduce the impacts on aquatic environments, such as aquatic organisms?	N
	(a) Is the stability of the existing topographic conditions adequately considered for alteration of topographic features, such as cut and fill operations?	N
(3) Topography and Geology	(b) Is there a possibility that soil runoffs will result from cut and fill areas, waste soil disposal sites, and borrow sites?	N
	(c) Are adequate mitigation measures taken to prevent soil runoffs?	N
	(d) Is there any possibility that the project will erode natural river bank, forshore area, beaches?	N
(4) Dolphin Observation	(a) Exclusive time spent for observing dolphins?	Y
(5) Fish Catch Examination	(a) Fishermen upstream and downstream of dredging site interviewed and catch examined? Types of gears used?	Y
(6) Flora (Aquatic & Terrestrial)	(a) Flora surveyed around the dredging and dredged material disposal sites	N
(7) Benthos (Micro and Macro)	(a) Sampling done and analyzed, report submitted	Y
(8) Phyto- & Zoo-Planktons	(a) Sampling done and analyzed, report submitted	Y
	(a) Is involuntary resettlement caused by project implementation? If involuntary resettlement is caused, are efforts made to minimize the impacts caused by the resettlement?	N
	(b) Is adequate explanation on compensation and resettlement assistance given to affected people prior to resettlement?	N
	(c) Is the resettlement plan, including compensation with full replacement costs, restoration of livelihoods and living standards developed based on socioeconomic studies on resettlement?	N
	(d) Are the compensations going to be paid prior to the resettlement?	N
	(e) Are the compensation policies prepared in document?	N
(1) Resettlement	(f) Does the resettlement plan pay particular attention to vulnerable groups or people, including women, children, the elderly, people below the poverty line, ethnic minorities, and indigenous peoples?	N
	(g) Are agreements with the affected people obtained prior to resettlement?	N
	(h) Is the organizational framework established to properly implement resettlement? Are the capacity and budget secured to implement the plan?	N
	(i) Are any plans developed to monitor the impacts of resettlement?	N
	(j) Is the grievance redress mechanism established?	N
	(a) Is there a possibility that the project will adversely affect the living conditions of inhabitants? Are adequate measures considered to reduce the impacts, if necessary?	N
(2) Living and Livelihood	(b) Is sufficient infrastructure (e.g., hospitals, schools, and roads) available for the project implementation? If the existing infrastructure is insufficient, are any plans developed to construct new infrastructure or improve the existing infrastructure?	N
	(c) Is there a possibility that large vehicles traffic for transportation of materials, such as raw materials and products will have impacts on traffic in the surrounding areas, impede the movement of inhabitants, and cause any risks to pedestrians?	N

Environmental Item	Main Check Items	Yes: Y No: N
	(d) Is there a possibility that diseases, including infectious diseases, such as HIV, will be brought due to the immigration of workers associated with the project? Are adequate considerations given to public health, if necessary?	N
(3) Heritage	(a) Is there a possibility that the project will damage the local archeological, historical, cultural, and religious heritage sites? Are adequate measures considered to protect these sites in accordance with the country's laws?	N
(4) Landscape	(a) Is there a possibility that the project will adversely affect the local landscape? Are necessary measures taken?	N
(5) Ethnic Minorities and Indigenous Peoples	(a) Are considerations given to reduce impacts on the culture and lifestyle of ethnic minorities and indigenous peoples?	N
(c) Zume Minorites and magentus Peoples	(b) Are all of the rights of ethnic minorities and indigenous peoples in relation to land and resources respected?	N
	(a) Is the project proponent not violating any laws and ordinances associated with the working conditions of the country which the project proponent should observe in the project?	N
(6) Working Conditions	(b) Are tangible safety considerations in place for individuals involved in the project, such as the installation of safety equipment which prevents industrial accidents, and management of hazardous materials?	N
	(c) Are intangible measures being planned and implemented for individuals involved in the project, such as the establishment of a safety and health program, and safety training (including traffic safety and public sanitation) for workers etc.?	N
	(d) Are appropriate measures being taken to ensure that security guards involved in the project do not violate safety of other individuals involved, or local residents?	N
(1) Impacts during dredging/construction	(a) Are adequate measures considered to reduce impacts during construction (e.g., noise, vibrations, turbid water, dust, exhaust gases, and wastes)?	N
(1) impacts during dreaging/constitution	(b) If construction activities adversely affect the natural environment (ecosystem), are adequate measures considered to reduce the impacts?	N
(2) Accident Prevention Measures	(a) Does the project have any accident prevention equipment and scheme to store, emit and transport toxic and hazardous materials?	N
	(a) Does the proponent develop and implement monitoring program for the environmental items that are considered to have potential impacts?	N
	(b) What are the items, methods and frequencies of the monitoring program?	N
(3) Monitoring	(c) Does the proponent establish an adequate monitoring framework (organization, personnel, equipment, and adequate budget to sustain the monitoring framework)?	N
	(d) Are any regulatory requirements pertaining to the monitoring report system identified, such as the format and frequency of reports from the proponent to the regulatory authorities?	N

GRM

SI					Dredg	ging Activity		
no.	Factors		Checklist Items	Daily	Weekly	Monthly	Quarterly	Comments/Compliance
1	Legal and Regulatory	1	The contractors communicate to all the stakeholders regarding GRM processing and lodging complaints.	0	0	0	V	
	Compliance	2	Contact details for lodging grievance easily accessible.	0	0	0	√	
		1	Consultations have been conducted with local communities, dredging contractors to collect their input on the GRM design.	0	0	0	\checkmark	
2	Community Engagement	2	The preferences of social customs and cultural sensitivities of the project affected communities taken into consideration.	0	0	0	V	
		3	FGD on GRM with the Project Affected Persons (PAPs)	0	0	0	\checkmark	
3	Grievance Channels	1	The multiple accessible channels available for the stakeholders to submit their grievances. (e.g., toll-free hotline, online platform, drop box, post, landline/mobile phone and e-mail).	0	0	0	V	
		1	Dyke/Land selection survey.	0	0	√	0	Route no.21 & 16
4	Processing of GFA (Good Faith	2	Opinion meeting with land owner along with inform to the contractor and S1A team for justifying land as dyke.	0	0	V	0	
	Agreement)		GFA will be relevited to \$1.4	0	0 0	√ √	0	
		5	GFA will be submitted to S1A. FGD on GFA with the Locals	0	0	0	O √	
5	Constitution of GRM Committee	1	Preparation of GRM Committee Constituion by the Contractors.	0	0	0	√ √	
6	Establish a Complaint Box	1	Nos. of Feedback, concerned, suggestions and complain letters.	0	0	V	0	Not found/observed at site for all route in lot_3
	Establish a	1	The size (5/15) of Bill board will according the BOQ	0	0	V	0	Not found/observed at site for all route in lot_3
7	Signboard	2	Name, Mobile number and email of the focal person will be included in the Bill board.	0	0	√	0	Not found/observed at site for all route in lot_3
		1	Local level GRC [In a five (5) members committee meeting Three (3) members participation will be the quorum]	0	0	0	V	Local level GRC committee formed by Banga contractor on dated 14th October,2023
8	3 (three) tiers of the GRM Comittee will be formed	2	Contractor level GRC [In a five (3) members committee meeting Three (3) members participation will be the quorum]	0	0	0	\checkmark	Local level GRC committee formed by Banga contractor on dated 14th October,2023
			Project level GRC [In a five (3) members committee meeting Three (3) members participation will be the quorum]	0	0	0	V	Local level GRC committee formed by Banga contractor on dated 14th October,2023
9	Capacity Building	1	Project staffs and local institutions have received training on the GRM and its operation.	0	0	0	V	
10	Leaflet/ Brochure	1	The Leaflet/ Brochure will be published for dissemination to all the stakeholders.	0	0	0	$\sqrt{}$	

Sl	SI Factoria		an unit		Dredg	ging Activity		
no.	Factors		Checklist Items		Weekly	Monthly	Quarterly	Comments/Compliance
11	Monitoring, Reporting & documentation	1	The regular reports generated to document the number, nature, and resolution of grievances (Registration Book, Resolution book or Decision book & Closing book)	0	0	V	0	Route no.21 & 16
		1	Local Community	0	0	√	0	Route no.21 & 16
12	Social Consultation	2	Land Owner	0	0	√	0	Route no.21 & 16
		3	Local Government Authority	0	0	0	√	no
		1	Sex Violence by an intimate partner	0	0	0	V	
		2	Sexual violence by a non-peer	0	0	0	V	None of these has been
	Gender-Based Violence (GBV)	3	Child sexual abuse& forced marriage	0	0	0	V	found/observed for the
13		4	Sexual exploitation & abuse	0	0	0	\checkmark	month of April, 2024
		5	Sexual harassment	0	0	0	√	
		6	In case of emergency, the local level GRC will address the matter within 4 -12 hours.	0	0	0	√	When required

Checklist of Lot-2

			Di	redging Activi	ty	
	Che	ecklist Items	Daily	Monthly	When and As Required	Comments/Compliance
1	Gauge (WL)	reading & Water level	OØ	0	0	Average water level is 1.043 m
2	Connectivity with BM & TBM		0	0	02	
3	Study	Hydrographic Chart	0	0	OØ	N/A
4		Cutting Depth respect to g WL as per design	OΖI	0	0	Average cutting depth is 1.388 m
5	Checki	ing Dredging Alignment	0	0	OØ	
6	Checki below;	ing Dredged Activities as				
	a	Dredging Hours	0	O ⊠ □	0	
	b	Cutting Length	0	O ⊠ □	0	Total cutting length 426 m
	С	Cutting Depth	0	OØ	0	Average cutting depth is 1.388 m
	d	Cutting Width	0	OØ	0	25 m
	e	Dredged Volume	0	OZ	0	Total volume 22392 m3
7	Dispos	rising Dredged Material al Area whether the are designed as per	0	0	OØ	
8	Dispos Dykes	vising Dredged Material al Area whether the are capable to resist the re of disposed materials	0	012	0	
9	Checki	ing outlet of the compartn	0	020	0	
10	being c	whether the dykes are constructed at safe the from river bank	0		0	
11	Check construction of the pipe line whether there is any leakage in the Joints of Floating Pipe/Shore pipe lines		02	0	0	
12	Check whether dredging work		OØ	0	0	
13	Check	Survey Activities	0	0	OØ□	

ESHS

Factors		Checklist Items	Dre	edging Activ	rity	Comments/Compliance	
ractors		Checklist Items	Daily	Monthly	Quarterly		
	1	EIA and Environmental Permits	0	0	020		
1. Permits and Explanation	2	Explanation to the Local Stakeholders	0	0	OØ		
	3	Signboards, Notice Boards	0	0	020		
	1	Air Quality	0	020	0	Supervised in 24 April at Norshingdi site.	
	2	Surface Water Quality	0	OZ	0	Supervised in 24 April at Norshingdi site.	
	3	Solid Wastes	0	020	0	Supervised in 24 April at Norshingdi site.	
	4	Liquid Wastes	0	OΖ□	0	Supervised in 24 April at Norshingdi site.	
2. Physical Environmental	5	Soil Contamination	0	020	0	Supervised in 24 April at Norshingdi site.	
Parameters Monitoring	6	Noise and Vibration	0	OZ	0	Supervised in 24 April at Norshingdi site.	
	7	Underwater Noise	0	O⊠□	0	Supervised in 24 April at Norshingdi site.	
	8	Odor	0	OZ	0	Supervised in 24 April at Norshingdi site.	
	9	Riverbed Sediment	0	OZ	0	Supervised in 24 April at Norshingdi site.	
	10	Groundwater	0	020	0	Supervised in 24 April at Norshingdi site.	
	1	Protected Areas	0	OZ	0	Route no. 07&08 and 09	
	2	Habitat Type	0	O⊠□	0	Route no. 07&08 and 09	
	3	Hydrology	0	OZ	0	Route no. 07&08 and 09	
	4	Topography and Geology	0	OZ	0	Route no. 07&08 and 09	
3. Natural Environment	5	Dolphin Observation	0	OZ	0	Route no. 07&08 and 09	
	6	Fish Catch Examination	0	OZ	0	Route no. 07&08 and 09	
	7	Flora (Aquatic & Terrestrial)	0	O⊠□	0	Route no. 07&08 and 09	
	8	Benthos (Micro & Macro)	0	OZ	0	Route no. 07&08 and 09	
	9	Phyto- & Zoo-planktons	0	OΖ□	0	Route no. 07&08 and 09	
	1	Resettlement	0	0	OZ		
	2	Living and Livelihood	0	0	OZ		
4. Social Environment	3	Heritage	0	0	OZ		
4. Social Environment	4	Landscape	0	0	0🛛		
	5	Ethnic Minorities and Indigenous Peoples	0	0	OZ		
	1	Work Permit/Contract	0	0	020		
	2	Daily Toolbox Meeting - OHS	0	0	020		
	3	Working Conditions		 □		Fair	
	4	Impact/Precaution during Dredging	0	0	OØ	Not any major issue observed	
5. Occupational Health Safety	5	Accident Prevention Measures	0	OØ0	0	Contractors ESHS team visiting site and concerning all the Manpower	
·	6	Working Condition	0🛛	0	0	Fair	
	7	Accommodation	020	0	0	House Boat	
	8	Personal Protection Equipment	OØ	0	0	Safety helmet, Safety vest, safety shoes, Hand gloves etc observed at site.	
	9	Drinking Water	0🛛	0	0	Freshwater daily collect from tube well	
	10	Sanitary Condition	020	0	0	Good arrangement kept in House boat	
	1	Agreement with Land Owner	0	0	020	<i>G</i> 1	
	2	Land Use Type	0	020	0		
	3	Dyke Design Approval	0	ΟØΠ	0		
6. Dredged Material Disposal Area	4	Dyke Setback Distance	0	ΟØΠ	0		
	5	Disposal Area Dyke Height	0	ΟØΠ	0		
	6	Dyke Strengthened/Material Used*	0	0	OZ	When required then used.	
	1	Carbon Emission	0	0	O⊠□		
	2	Leakage	0	0	020		
7. Dredger	3	Oil Spill	0	0	020	Not found/observed at site for all route in lot-2	
	4	Onboard Waste Management	0	0	020		
	5	Noise and Vibration	0	0	Z		

Category	Environmental Item	Main Check Items	Yes: Y No: N
		(a) Have EIA reports been already prepared in official process?	Y
		(b) Have EIA reports been approved by authorities of the host country's government?	Y
	(1) EIA and Environmental Permits	(c) Have EIA reports been unconditionally approved? If conditions are imposed on the approval of EIA reports, are the conditions satisfied?	Y
Permits and Explanation		(d) In addition to the above approvals, have other required environmental permits been obtained from the appropriate regulatory authorities of the host country's government?	Y
	(2) Explanation to the Local Stakeholders	(a) Have contents of the project and the potential impacts been adequately explained to the Local stakeholders based on appropriate procedures, including information disclosure? Is understanding obtained from the Local stakeholders?	Y
	(3) Examination of Alternatives	(a) Have alternative plans of the project been examined with social and environmental considerations?	Y
	(1) Air Quality	(a) Do air pollutants, such as sulfur oxides (SOx), nitrogen oxides (NOx), soot and dust emitted from the ships, vehicles and the facilities like docs comply with the country's emission standards? Are any mitigating measures taken?	Y
Physical Environmental Parameters Monitoring	(2) Water Quality	(a) Do pollutants, such as Suspended Soils (SS), oils/fats and other toxicants contained in effluents comply with the country's effluent standards (BOD, COD, ph, etc)? Is there a possibility that the effluents from the project will cause areas not to comply with the country's ambient water quality standards?	Y
		(b) Are adequate measures taken to prevent contamination of surface water, groundwater and soil by the effluents from storage areas, including raw materials, chemicals, and wastes?	N
	(3) Wastes	(a) Are wastes (including hazardous wastes and other industrial wastes) generated from the project facilities properly treated and disposed of in accordance with the country's regulations?	N

Category	Environmental Item	Main Check Items	Yes: Y No: N
		(b) Are adequate measures taken to prevent contamination of soil and groundwater by leachates from the waste storage/disposal sites?	N
	(4) Noise and Vibration	(a) Do noise and vibrations comply with the country's standards?	N
	(5) Subsidence	(a) In the case of extraction of a large volume of groundwater, is there a possibility that the extraction of groundwater will cause subsidence?	N
	(6) Odor	(a) Are there any odor sources? Are adequate odor control measures taken?	N
		(a) Sediment collection in presence of S1A team members/staff?	Y
	(7) Divertised	(b) Samples sent to the laboratory within 12 hours?	Υ
	(7) Riverbed Sediment	(c) If sample results showed presence of heavy metal, treatment measures like separate compartment for disposal of dredged material taken by the Contractor	N
	(8) Groundwater	Samples collected and analyzed	N
	(1) Protected Areas	(a) Is the project site located in protected areas designated by the country's laws or international treaties and conventions? Is there a possibility that the project will affect the protected areas?	N
		(a) Does the project site encompass primeval forests, tropical rain forests, ecologically valuable habitats (e.g., Char land, reedland, mangroves, or tidal flats)?	N
3. Natural Environment		(b) Does the project site encompass the protected habitats of endangered species designated by the country's laws or international treaties and conventions?	N
	(2) Ecosystem/Habitat Type	(c) If significant ecological impacts are anticipated, are adequate protection measures taken to reduce the impacts on the ecosystem?	N
		(d) Is there a possibility that the amount of water (e.g., surface water, groundwater) used by the project will adversely affect aquatic environments?	N
		(e) Are adequate measures taken to reduce the impacts on aquatic environments, such as aquatic organisms?	N

Category	Environmental Item	Main Check Items	Yes: Y No: N
		(a) Is the stability of the existing topographic conditions adequately considered for alteration of topographic features, such as cut and fill operations?	N
	(3) Topography and Geology	(b) Is there a possibility that soil runoffs will result from cut and fill areas, waste soil disposal sites, and borrow sites?	N
		(c) Are adequate mitigation measures taken to prevent soil runoffs?	N
		(d) Is there any possibility that the project will erode natural river bank, forshore area, beaches?	N
	(4) Dolphin Observation	(a) Exclusive time spent for observing dolphins?	N
	(5) Fish Catch Examination	(a) Fishermen upstream and downstream of dredging site interviewed and catch examined? Types of gears used?	Υ
	(6) Flora (Aquatic & Terrestrial)	(a) Flora surveyed around the dredging and dredged material disposal sites	N
	(7) Benthos (Micro and Macro)	(a) Sampling done and analyzed, report submitted	Y
	(8) Phyto- & Zoo- Planktons	(a) Sampling done and analyzed, report submitted	Y
		(a) Is involuntary resettlement caused by project implementation? If involuntary resettlement is caused, are efforts made to minimize the impacts caused by the resettlement?	N
		(b) Is adequate explanation on compensation and resettlement assistance given to affected people prior to resettlement?	N
4. Social Environment	(1) Resettlement	(c) Is the resettlement plan, including compensation with full replacement costs, restoration of livelihoods and living standards developed based on socioeconomic studies on resettlement?	N
		(d) Are the compensations going to be paid prior to the resettlement?	N
		(e) Are the compensation policies prepared in document?	N
		(f) Does the resettlement plan pay particular attention to vulnerable groups or people, including women, children, the elderly, people below the poverty line, ethnic minorities, and indigenous peoples?	N

Category	Environmental Item	Main Check Items	Yes: Y No: N
		(g) Are agreements with the affected people obtained prior to resettlement?	N
		(h) Is the organizational framework established to properly implement resettlement? Are the capacity and budget secured to implement the plan?	N
		(i) Are any plans developed to monitor the impacts of resettlement?	N
		(j) Is the grievance redress mechanism established?	N
		(a) Is there a possibility that the project will adversely affect the living conditions of inhabitants? Are adequate measures considered to reduce the impacts, if necessary?	N
	(2) Living and	(b) Is sufficient infrastructure (e.g., hospitals, schools, and roads) available for the project implementation? If the existing infrastructure is insufficient, are any plans developed to construct new infrastructure or improve the existing infrastructure?	N
	Livelihood	(c) Is there a possibility that large vehicles traffic for transportation of materials, such as raw materials and products will have impacts on traffic in the surrounding areas, impede the movement of inhabitants, and cause any risks to pedestrians?	N
		(d) Is there a possibility that diseases, including infectious diseases, such as HIV, will be brought due to the immigration of workers associated with the project? Are adequate considerations given to public health, if necessary?	N
	(3) Heritage	(a) Is there a possibility that the project will damage the local archeological, historical, cultural, and religious heritage sites? Are adequate measures considered to protect these sites in accordance with the country's laws?	N
	(4) Landscape	(a) Is there a possibility that the project will adversely affect the local landscape? Are necessary measures taken?	N
	(5) Ethnic Minorities and Indigenous	(a) Are considerations given to reduce impacts on the culture and lifestyle of ethnic minorities and indigenous peoples?	N
	Peoples	(b) Are all of the rights of ethnic minorities and indigenous peoples in relation to land and resources respected?	N

Category	Environmental Item	Main Check Items	Yes: Y No: N
		(a) Is the project proponent not violating any laws and ordinances associated with the working conditions of the country which the project proponent should observe in the project?	N
	(6) Working Conditions	(b) Are tangible safety considerations in place for individuals involved in the project, such as the installation of safety equipment which prevents industrial accidents, and management of hazardous materials?	N
		(c) Are intangible measures being planned and implemented for individuals involved in the project, such as the establishment of a safety and health program, and safety training (including traffic safety and public sanitation) for workers etc.?	N
		(d) Are appropriate measures being taken to ensure that security guards involved in the project do not violate safety of other individuals involved, or local residents?	N
	(1) Impacts during dredging/construction	(a) Are adequate measures considered to reduce impacts during construction (e.g., noise, vibrations, turbid water, dust, exhaust gases, and wastes)?	N
	a cagaig animana	(b) If construction activities adversely affect the natural environment (ecosystem), are adequate measures considered to reduce the impacts?	N
	(2) Accident Prevention Measures	(a) Does the project have any accident prevention equipment and scheme to store, emit and transport toxic and hazardous materials?	N
5. Others		(a) Does the proponent develop and implement monitoring program for the environmental items that are considered to have potential impacts?	N
		(b) What are the items, methods and frequencies of the monitoring program?	N
	(3) Monitoring	(c) Does the proponent establish an adequate monitoring framework (organization, personnel, equipment, and adequate budget to sustain the monitoring framework)?	N
		(d) Are any regulatory requirements pertaining to the monitoring report system identified, such as the format and frequency of reports from the proponent to the regulatory authorities?	N

GRM

Sl no.	Factors	Checklist Items		Dredging Activity				Comments/Compliance
				Daily	Weekly	Monthly	Quarterly	
1	Legal and Regulatory Compliance	1	The contractors communicate to all the stakeholders regarding GRM processing and lodging complaints.	0	0	0	O Ø □	There are a GRM committee with 5 persons here.
		2	Contact details for lodging grievance easily accessible.	OØ	0	0	0	
2	Community Engagement	1	Consultations/ FGD have been conducted with local communities, dredging contractors to collect their input on the GRM design.	0	0	0	OZ	
3	Grievance Channels	1	The multiple accessible channels available for the stakeholders to submit their grievances. (e.g., toll-free hotline, online platform, drop box, post, landline/mobile phone and e-mail).	O Z □	0	0	0	
4	Processing of GFA (Good	1	Dyke/Land selection survey.	0	02	0	0	Survey in every week.
	Faith Agreement)	2	Opinion meeting with land owner along with inform to the contractor and S1A team for justifying land as dyke.	0	0.2	0	0	Survey in 15 days a month.
		3	GFA documentation collection.	0	OØ	0	0	Collection the document 15 days a month.
		4	GFA will be submitted to S1A.	0	O ⊠ □	0	0	
		5	FGD on GFA with the Locals	0	0	O Ø □	0	
5	Constitution of GRM Protocol	1	Preparation of GRM Protocol and Greivance Redres Committee (GRC) will be Constituted by the Contractors.	0	O ⊠ □	0	0	
6	Establish a Complaint Box	1	For receive feedback, suggestions and complain letters.	0	OØ□	0	0	There are 3 complain box in site. One box is in office, one box in houseboat and onther is open road site.

Sl no.	Factors		Checklist Items	Dredging Activity				Comments/Compliance
7	Establish a Signboard	1	The size of Bill board will be 5/15. The bill board should contain: name, mobile number and email of the focal person.	0	OØ	0	0	There is a signboard in front of office.
8	3 (three) tyers of the GRM Comittee will be formed	1	Local level GRC (Committee members 05, quorum fullfill at least 03) -Project related issues.	0	OØ	0	0	
		2	Contractor level GRC (Committee members 03, quorum fullfill at least 03)-GBV, CoC, Contractors workers occurance etc. related issues.	0	0	0	OØ□	
		3	Project level GRC (Committee members 03, quorum fullfill at least 03)	0	0	0	02	
9	Capacity Building	1	Project staffs and local institutions have received training on the GRM, GBV related issues and its operation.	0	ON/A	0	0	
10	Leaflet/ Brochure	1	The Leaflet/ Brochure will be published for dissemination to all the stakeholders.	0	ON/A	0	0	There is no liflat in the site.
11	Monitoring, Reporting & documentation	1	The regular reports generated to document the number, nature, and resolution of grievances (Registration Book, Resolution book / Decision book & Closing book)	0	OØ	0	0	
12	Social	1	Local Community	0	020	0	0	
	Consultation	2	Land Owner	0	020	0	0	
		3	Local Government Authority	0	020	0	0	
13	Gender-Based Violence (GBV)	1	Sex Violence by an intimate partner	0	0	020	0	
		2	Sexual violence by a non-peer	0	0	020	0	
		3	Child sexual abuse & forced marriage	0	0	OØ	0	
		4	Sexual exploitation & abuse	0	0	020	0	
		5	Sexual harassment	OØ0	0	0	0	
		6	In case of emergency, the local level GRC will address the matter within 04 -12 hours.	OØ	0	0	0	