



Government of the People's Republic of  
Bangladesh

Bangladesh Inland Water Transport Authority (BIWTA)

The World Bank



# MONTHLY PROGRESS REPORT MAY 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 – May 2024

The dredging activities on Route-9 were halted on 03-Apr-2024 by a verbal instruction from the Deputy Commissioner of Brahmanbaria. The Office of the Deputy Commissioner subsequently assumed responsibility for selecting disposal sites for the dredged material following a meeting with the PIU, S1A, and the Lot-2 contractor on 15-Apr-2024. After extensive discussions among senior project management of PIU, S1A, and Government Administration, dredging resumed on 2nd May 2024. This interruption impacted dredging activities on other routes as well. The S1A consultant, PIU, Government Administration and Local public representative resolved the issues immediately.

To date, the Lot-2 contractor has dredged approximately 43.5% to 49.7% of the estimated BoQ Volume for Phase-1 capital dredging. Given the total estimated BoQ volume for Phase-I is 1,209,060 cubic meters (over 18 months till June 2024), the dredged amount is approximately between 525,726 and 600,996 cubic meters. These figures are based on manual surveys and may vary significantly when calculated using Hydrographic Survey data.

No dredging activities were conducted at the River Routes of Lot-3 during May due to the monsoon season. Three Cutter Suction Dredgers (CSD) along with ancillary crafts and equipment were kept on standby at Route 21 for any emergency work. The contractor's representatives have indicated that dredging activities on all routes (12, 13, 13a, 15, 16, 17, and 21) will resume immediately after the monsoon. Additionally, Dharti-Banga JV informed that they will submit the Dredged Materials Management Plan, including the ESHS Implementation Plan, to the Project Manager before resuming operations.

There were no traffic-related issues, and safety measures, including well-maintained fire extinguishers and first aid boxes, were in place. Grievances regarding dyke location selection were resolved with the local population, contributing to a positive work environment. New employees will be recruited to expedite the completion of work on time and to implement safety procedures during the reporting month. Overall, no significant environmental impacts were detected.

### The Consultant's activities during the Reporting Period

The project, which began on December 6, 2022, spans 66 months, with the first phase (18 months) concluding in June 2024.

In May, S1A consultants visited both Lot-2 (Routes 6, 7&8, and 9) and Lot-3 (Routes 16 and 21). They have selected a total of 79 dykes across the two lots (57 dykes in Lot-2 and 22 in Lot-3). Continuous consultations with District and Upazila-level Local Government representatives and landowners were held where necessary,

particularly at Lot-2 sites (Brahmanbaria and Narsingdi districts). Several meetings, both in person and online, were conducted at the central level involving representatives from the World Bank, PIU, BIWTA, S1A Consultant, 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, and cutting volume.

Environmental samples were collected from both Lot-2 and Lot-3 at two points (River Route 11, Route 09, Route 7&8, and River Route 21) of the rivers undergoing dredging, with no notable results found. The S1A Consultant emphasized the need for more practical measures in collecting environmental data from these sites, highlighting the importance of enhanced precautions. Key recommendations include providing detailed descriptions of dredging and disposal sites, including habitat, biodiversity, and land tenure information; measuring underwater noise at a standard distance of 50 meters from the operating dredger; marking all sampling sites on a map in monthly reports; time-stamping all photographs; and dedicating more effort to collecting 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
DC	District Commissioner
EIA	Environmental Impact Assessment
EMP	Environment Management Plan
ESHS	Environment, Social, Health and Safety
ESMP	Environment and Social Management Plan
GBV	Gender-Based Violence
GIS	Geographic Information System
GPS	Global Positioning System
GRC	Grievance Redress Committee
GRM	Grievance Redressal Mechanism
HSE	Health and Safety Expert
IALA	International Association of Marine Aids and Lighthouse Authorities
IBC	Idle Berthing Centre
ID	Identity
IHO	International Hydrographic 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
SOB	Survey of Bangladesh
TBM	Temporary Bench Mark
UTM	Universal Transverse Mercator
VSS	Vessel Storm Shelter
WB	World Bank
WGS	World Geodetic System



## CHAPTER 01: PROJECT DESCRIPTION IN A BRIEF

### 1.1 Basic Information

Project 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	21 <sup>st</sup> December, 2022; Duration of 66 months
Date of Commencement	6 <sup>th</sup> December, 2022; Duration of 66 months
Phases	Phase I: 18 Months, Phase II: 12 Months, Phase III: 36 Months
Total Routes	12
Route Nos. under dredging activities	Lot-2: 3 & 4, 5, 6, 7 & 8, 9, 10, 11 Lot-3: 12, 13 & 13a, 15 & 16, 17, 21

## 1.2 Location of the Project

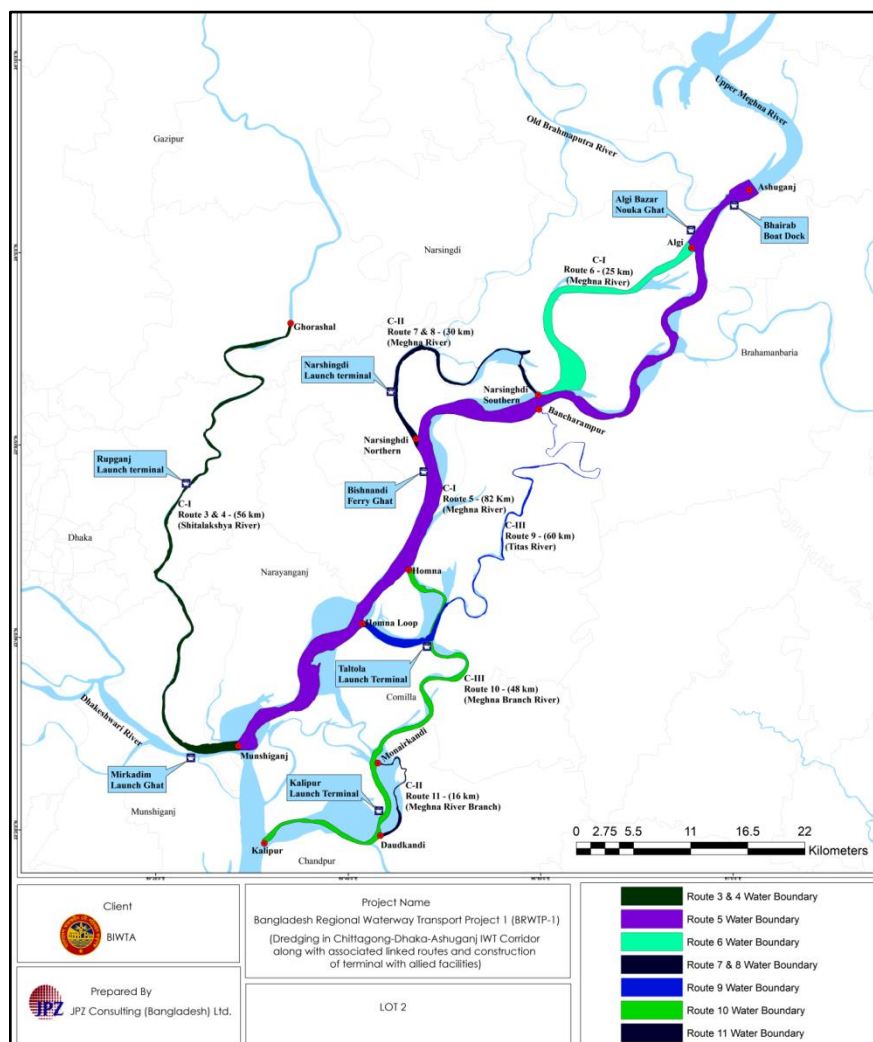


Figure 1: River Boundary Lot-2

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 - Hona 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



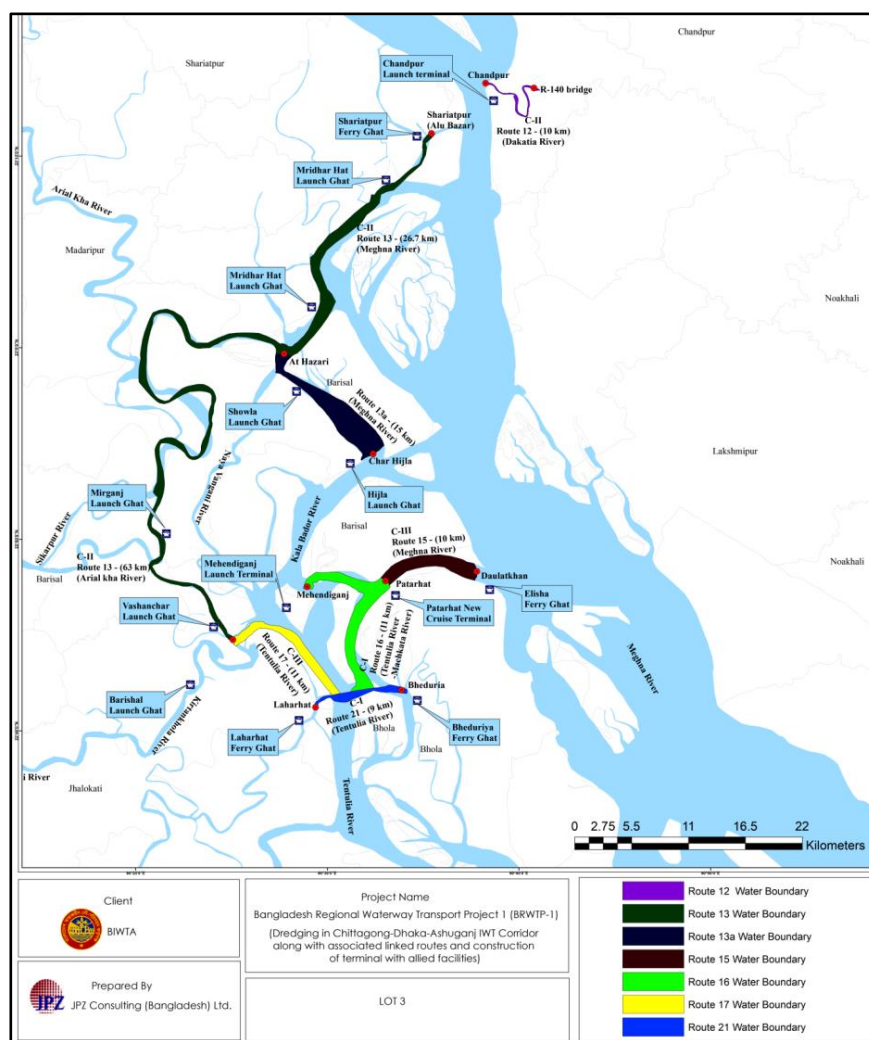


Figure 2: River Boundary, Lot-3

**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

## CHAPTER 02: SALIENT FEATURES & MONTHLY PROGRESS

### 2.1 PROGRESS OF BRWTP-S1A:

#### 2.1.1 : Development and Maintenance Dredging Works:

##### Lot-2:

The total estimated BOQ volume is 12, 09,060 cubic meters for Phase-I (18 months). The lot-2 contractor so far dredged approximately 41.6% to 47.8% of the estimated BOQ Volume of phase-1 capital dredging.

The average dredged volume per day, considering the last 7 (Seven) days data, is 5659 cubic meter. If this trend continues it will take approximately 3.7 to 4.2 months to complete the Phase-I dredging. This means the phase-I dredging will be completed approximately in between 15-Sep-2024 to 24-Sep-2024.

During the reporting period, a dispute emerged among the local population concerning the land selection for the dykes along River Route 09 and Route 7&8. 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 from May 2<sup>nd</sup> 2024. In this month, dredging operations were carried out in Notun Hasnabad, Daudkandi, Cumilla on Route 11, Bishnurampur and Baherchar, Bancharampur, Brahmanbaria in Route 09, Satpara and Khudadila, Narsingdi of Route 07&08 and Char Madhua, Raipura of Route-06. Continuous monitoring is ongoing involving planning commission.

**Table 3: Field Activity of BRWTP-S1A at Lot-2 Site**

Sl. No	Date	Activity	Route name & Route number	Remarks
1.	02.05.2024	Route 11: Dyke site inspection, Dredger 'Juboraj', Engineering survey ongoing	Route-11, Narsingdi.	
2.	09.05.2024	Charmadhua site visit for Dredger - MBDDL Craft-1 centerline selection, gauge reading check, dike area visit and co-ordinate take and dredging work started.	Route-6, Charmadhua, Brahmanbaria.	
3.	14.05.2024	UNO, Raipura UZ, Narsinghdi visits Route 6, inspects the dike. Discussion with the Chairman, Char Madhua. UNO instructed that before dredging an engineer from BWDB should visit the site, and to further ask for permission from the DC, Narsinghdi.	Route-6 through Raipura, Narsingdi	
4.	24.05.2024	Site visit by Environmental, Social and Navigational Aids team of S1A for observing the updating situation at Lot-2, Route-6 (dike-1, Charmadhua, Brahmanbaria). Route-7 & 8 (dyke-6, khodadila, Alokbal, Narsingdi sadar, Narsingdi.) Route-9 (dyke- 47 & 57, Kadai,Solimganj,Nabinagar,Brahmanbaria).	Route No-06 and 09 Brahmanbaria and 7 &8 of Narsingdi.	
5.	30.05.2024	Engineering Survey started at Route-09.	Route-09, Solimganj, Nabinagar, Brahmanbaria.	
6.	31.05.2024	Engineering Survey at Route-09 continued.	Route- 09 Brahmanbaria.	

##### Lot-3:

Dredging work up to 31st May 2024 on Route 21 commenced on 28th October 2023 and continued until 30th April 2024, then resumed on 9th May 2024. Two swings (1st cut and 2nd cut) were completed using the dredgers Banga Jamuna, Banga Shitalokkha, and Banga Padma. The dredging spanned a chain age from K0+000 to K2+200, covering a length of 2200 meters, with a cutting width of 85 meters and an average cutting depth of 2.45 meters. Navigational Aids are ready to place.

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

Sl. No	Date	Activity	Route name & Route number	Remarks
1	06.05.2024	Route 21: Inspection of new dike site and FGD with the local people.	Lot-3, Route-21, Bhedhuria, Barishal.	
2	09.05.2024	Inspection of the under-construction buoys		

Sl. No	Date	Activity	Route name & Route number	Remarks
3	17.05.2024	Engineering survey at Route 21 (Laharhat-Bheduria) under supervision of the Deputy Project Director and XEN	Route: 21, Lot3. (Lahar hat– Bheduria).	
4	18.05.2024	The Engineering survey done jointly with Dharti-Banga along Route 21 (Laharhat-Bheduria) finished today	Route: 21, Lot3. (Lahar ha – Bheduria).	
5	19.05.2024	The engineering survey started at Route 16 (Patarhat-Bheduria) with Dharti-Banga contractor and S1A.	Route: 16, Lot3. (Patarhat-Bheduria).	
		Hydrographic line survey today jointly with Banga contractor and S1A consultant at route 17(North Athazar).	Route: 17, Lot3.	
6	20.05.2024	Hydrographic line survey today jointly with Banga contractor and S1A consultant at route 15(Elisha ghat).	Route: 15, Lot3, Ilisha, Barishal.	
7	21.05.2024	Hydrographic post survey ongoing today jointly with Banga contractor and S1A consultant at route 21(Laharhat-Bheduria).	Route: 21, Lot3, (Laharhat-Bheduria).	
		S1A consultants visit Routes 21 and 16 to see the condition of the dikes, installation of navigational aids (if any), discussion with some local people at Char Mithua	Lot-3, R-21(Bheduria to Laharhat) & R-16 (patharhat to Bheduria).	
8	22.05.2024	Hydrographic post survey ongoing today jointly with Banga contractor, BIWTA Representative and S1A consultant at route 21(Laharhat-Bheduria).	Lot3, Route: 21, (Laharhat-Bheduria).	
9	23.05.2024	Hydrographic line survey finished route 21 and ongoing route 16 today jointly with Banga contractor and S1A consultant at route 21 & 16 (Laharhat-Bheduria).	Route: 21 & 16, Lot3 (Laharhat-Bheduria), Barishal.	
10	24.05.2024	Hydrographic line survey finished route 16 today jointly with Banga contractor and S1A consultant at route 16 (Patarhat-Bheduria).	Route: 16, Lot3. (Patarhat-Bheduria), Barishal.	
11	30.05.2024	Multibeam survey is ongoing along Route 12 (Chandpur-R140 Bridge) jointly with BIWTA and S1A. Hydrographic post survey finished at Route 16 (Patarhat-Bheduria) in the presence of the contractor Dharti-Banga, and S1A representatives	Lot3, Route: 12, (Chadpur-R140 bridge).	
12	31.05.2024	Multibeam survey ongoing data processing today jointly with BIWTA and S1A consultant at route 12 (Chadpur- R140 bridge).	Lot-3, Route 12 (Chadpur-R140 bridge).	
		Hydrographic line survey finished Route 15 today jointly with Banga contractor and S1A consultant at Route 15 (Patarhat-Elisha).	Lot-2, Route 15 (Patarhat-Elisha).	

### Updated information on Navigational Aids in May 2024:

All Project Coordination Meetings attended by the Navigational Aids Expert highlighted issues related to navigational aids. Various decisions were made, and a report was prepared on the development and installation of Aids to Navigation by both contractors for Lots 02 and 03.

On May 9, 2024, the Consultant Team BRWTP-S1A, along with representatives from the PIU Team and BRWTP-W1A-Lot 03, visited the sinker site at Bandar, Narayanganj. The team observed the preparations and arrangements for manufacturing 3-ton sinkers. The commencement of manufacturing was carried out in the presence of all concerned personnel. All necessary measurements and the mixing ratios of cement, sand, and stone chips were noted and found to be in accordance with the provided specifications.

The installation of PC Poles along routes 12 and 13 commenced on May 18, 2024, for Lot 03, under the guidance of the BIWTA Superintendence Team.

### 2.1.2 Environmental Quality Assessment:

During the site visit in this reporting period, no contractor representatives were present at the dredging locations of Lot-2 sites. Out of seven deployed dredgers, only three were operational due to mechanical issues, with the rest idle. The lack of urgency among dredger workers was evident, indicating poor monitoring by contractors representatives. The contractor violated protocols by asking landowners to purchase plastic sheets for dredged material disposal and failing to protect the dikes, leading to non-compliance. Despite biodiversity management plan protocols, dredging continued even after large numbers of macro-benthos were extracted at Dike 6, Routes 7 & 8. The Gulf Cobla-Karnaphuly environment team did not report the destruction of macro-benthos.

On the other hand, At Dike 19, Route 21, Lot 3, riverbed and surface water samples were collected in the morning, with automated air and noise quality monitoring observed. The dike embankment showed non-compliance, with erosion and sediment washing into the river, forming 'chars.' Vegetation was beginning to

grow on the dredged material, and part of the dike was used for cattle rearing. At Dike 1, Route 16, the dumping site's height likely exceeds monsoon flood levels, with steep, unprotected embankments and erosion on the southern side. Unauthorized plastic sheets were found, and leftovers of macro-benthos were visible in the dredged material, including various mollusk species. At Dike 2, Route 16, dredged materials were inadequately embanked, causing erosion and sediment wash back into the river. Inlets formed, potentially recreating a water body during monsoon floods, though locals are currently satisfied.

### 2.1.3 Social and Resettlement Aspects:

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

During this reporting period, 68 disposal sites have been chosen within the Lot-2 and Lot-3 areas. The process of selecting dikes 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 May 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 10 and Table 14-15&16 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 1: Consultation with Local Stakeholders, Lot-2 site, May-2024**

Sl. No.	Date	Meeting Agenda and Location/Venue	Participants
1.	14.05.2024	Discussion with Land owner, local resident and observation of the Dikes at Route-6. UNO, Raipura UZ, Narsinghdi visited Route 6, inspects the dike. Discussion with the Chairman, Char Madhua. UNO instructed that before dredging an engineer from BWDB should visit the site, and to further ask for permission from the DC, Narsinghdi. At DC office Narsingdi	S1A Team, UNO of Raipura Thana and DC of Narsingdi.
2.	20.05.2024	Discussion meeting with DC of Narsingdi on various issues of route 6, 7&8 dredging at DC office.	S1A team, LG representatives, land owner and DC of Narsingdi
3.	24.05.2024	Route-6 Dike-1(Charmodhua,Raipura-Narsingdi). Route-7&8- Dike-6 (Khodadila, Alokballi, Narsingdi sadar, Narsingdi.) and Route-9-Dike-47 &57 (Kadai,Solimganj,Nabinagar,Brahmanbaria)	S1A Team, land owner and local resident.

**Table 2: Consultation with Local Stakeholders, Lot-3 site, May-2024**

Sl. No.	Date	Meeting Agenda and Location/Venue	Participants
1.	06.05.2024	FGD with local people for selection new dikes at Bheduria.	Local People and S1A Team
2.	21.05.2024	Meeting with LG Members and Local Influential about the benefits of the local people due to the particular dike at route 15, 16 and 21 at Barishal.	S1A team with local community people.

### 2.1.3.3 : Progress and Coordination Meetings of S1A Consultant in May 2024:

Table 5: Interaction with Client/Contractors and another Stakeholder (May, 2024)

SN	Date	Venue	Meeting Agenda	Participants
1	12.05.2024	Conference room of BIWTA	Meeting about Dredging Progress	Planning Commission (Join Secretary), PIU, Lot-2 & Lot-3 and S1A Team.
	20.05.2024	DC Office, Narsingdi	Discussion on Dredging Operation at Route 6 and Route 7&8	DC of Narsingdi Zila, PIU, S1A Team and Lot-2 Representatives.
2	29.05.2024	Meeting Room of PIU, Motijheel	Coordination Meeting on Social Safeguard Issues	PIU and S1A Expert Team.

### 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.

The dredging activities on Route-9 were halted on 03-Apr-2024 by a verbal instruction from the Deputy Commissioner of Brahmanbaria. The Office of the Deputy Commissioner subsequently assumed responsibility for selecting disposal sites for the dredged material following a meeting with the PIU, S1A, and the Lot-2 contractor on 15-Apr-2024. After extensive discussions among senior project management of PIU, S1A, and Government Administration, dredging resumed on 2nd May 2024. This interruption impacted dredging activities on other routes as well. The S1A consultant, PIU, Government Administration and Local public representative resolved the issues immediately.

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

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

### 2.1.5 ESHS, Worker Employment, and OHS Status:

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

Table 4: ESHS Status at a Glance in May 2024

ESHS Issues	Parameters	Lot-2	Lot-3
<b>Occupational Health and Safety(OHS)</b>	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.
	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
<b>Workers' Condition and Employment Situation</b>	Total Employment (person) for all routes	38	60
	Male Female Ratio	All employees are Male	No Female Employee
	Wage Status	Good arrangements were kept in the Houseboat	Good arrangements were kept in the Houseboat
	Force Labor/ Child Labor	Not Applicable in this month	Not Applicable in this month
<b>Personal Protection Equipment (PPE) for all staff/workers working in the site.</b>	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	Safety helmet, Safety vest, safety shoes, Hand gloves, etc., observed at the site. But not adequate. All workers are not using PPEs.	Available at site level but needs awareness for using PPEs



	project work.		
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.	No River traffic related sign boards have been observed in this reporting month to ensure a safe river traffic movement. But processed for installation of required aids to navigation	Not properly demarcated and Processed for installation of the required aids to navigation

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

### 2.2.1 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 May 2024 is shown below.

**Table 5: Description of dredging work for the month of May 2024, Lot-2 Site**

Sl. No.	Dredger Name	Time Period	Route No.	Place	Cutting Length(m)	Cutting Volume (cum.)
01.	Kafela 01	01 to 31 May	7&8	Khodalila	1499	61103.970
02.	Karnafuly 02	01 to 31 May	09	Khodalila	113	2915.520
03.	Karnafuly 03	01 to 31 May	09	Barialchar	335	18917.680
04.	Karnafuly 05	01 to 31 May	09	Kadur	650	36559.920
05.	Karnafuly 07	01 to 31 May	09	Bishnurampur	849	42365.780
06.	Maa 01	01 to 31 May	09	Kadur	460	22420.440
07.	Pranto 01	01 to 31 May	09	Nayachar	1025	52804.045
08.	Reve 03	01 to 31 May	09	Hasannagar	356	16084.920
09.	MCD 01	01 to 31 May	09	Moddonagar	425	14820.870

The total volume dredged on 30-May-2024 is 5292 cubic meter; on 31-May-2024 is 5370 cubic meter and on 01-Jun-2024 is 8151 cubic meter.

The total estimated BoQ volume is 12,09,060 cubic meter for Phase-I (18 months). The lot-2 contractor so far dredged approximately 42.6% to 48.8% of the estimated BoQ Volume of phase-1 capital dredging, considering the total estimated BoQ volume the dredged amount will vary approximately 5, 15,188 to 5, 90,458 cubic meter. This volume has been calculated based on the engineering/ manual survey and may vary substantially with the volume calculated based on Hydrographic Survey.

The average dredged volume per day, considering the last 7 (Seven) days data, is 6064 cubic meters. If this trend continues it will take approximately 3.4 to 3.8 months to complete the Phase-I dredging. This means the phase-I dredging will be completed approximately in between 11-Sep-2024 to 23-Sep-2024.

### 2.2.2 Environmental Quality Assessment of Lot-2 Sites:

In May 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 6: Environmental Quality Assessment for May 2024 for Lot-2**

Sl No.	Item	Parameters	Baseline Data of Route 11	Notun Hasnabad (Route-11)	S1A Remarks May 2024
			January 2023	May 2024	
1	Air Quality	SPM	157.82	167.85	*WAL
		PM10	72.37	80.16	WAL
		PM2.5	41.35	45.16	WAL
		SO2	18.25	26.38	WAL
		NO2	15.89	34.41	WAL
		CO	1.3	0.9	WAL
2	Noise Level	LEQ day	70.6	52.5	WAL
		Lmax	82.9	63.7	WAL



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Sl No.	Item	Parameters	Baseline Data of Route 11	Notun Hasnabad (Route-11)	S1A Remarks May 2024
			January 2023	May 2024	
		Lmin	44.6	35.7	WAL
3	Underwater Noise Level	LAvg [dB (A)]	-	56.8	WAL
4	Surface Water Quality	Temperature	22.4	28.1	WAL
		EC	290	430	WAL
		pH	7.98	7.72	WAL
		TDS	150	217	WAL
		DO	5.8	6.0	WAL
		BOD5	0.3	4.3	WAL
		TSS	87	234	WAL
5	Riverbed Sediment	Lead (Pb)	8.26	-	WAL
		Cadmium (Cd)	0.063	-	WAL
		Chromium(Cr)	19.37	-	WAL
		Zinc (Zn)	19.16	-	WAL
		Arsenic (As)	2.87	-	WAL
6	DredgedMaterial	Lead (Pb)	-	15.85	WAL
		Cadmium(Cd)	-	0.18	WAL
		Chromium(Cr)	-	24.73	WAL
		Zinc (Zn)	-	26.29	WAL
		Arsenic (As)	-	2.33	WAL

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

**Table 7: Compliance Status for May 2024 for Lot-2**

Visual Monitoring Compliance								
Potential Aspects	Description	EMP Measures (Proposed in the EIA)	Measures Already Implemented	Compliance Status			Remarks/ Recommendation	Recommended deadline for implementing the corrective measures
				C	P	N		
Aquatic Flora & Fauna including Plankton, Benthos, fish, dolphin	Observed near Alokballi village in Route 07 & 08 and near Akanagar village, adjacent to Route-09. A total of fourteen (14) species of fish and three (03) species of crustaceans were observed during the fisheries survey. During the survey period, the team did not observe any visible fish mortality within and around the dredging site location	Mitigation measures not required	No mitigation measure required	-	P	-	Common fishes and crustaceans have been recorded; one endangered fish species- Mud Perch (Nandus nandus) was 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 dolphins is inadequate.	Before dredging, it is crucial to carefully monitor the riverbed material to prevent damage to any benthic species. Regular habitat monitoring and intensive, repeated visits to establish a comprehensive inventory of flora and fauna species are recommended. Additionally, it is important to check both the beginning of the distributary and its opening at the Meghna River for the presence of dolphins.
Sediment Dispersion	Not measured	-	-	-	-	N	Contractors were notified to measure sediment plume on 1 <sup>st</sup> March 2023, followed by verbal instruction and reminder emails	No action taken or data provided by the contractors yet. Will be reminded again
River Bank Erosion	There were no issues regarding riverbank erosion or flooding.	Dredger stopped and relocated	Dredger stopped and relocated; some protection measures taken	C	-	-	Stop dredging and relocate	Recommended reporting to the authorities and stop dredging
Hydrological Conditions	Surveyed before dredging			C				
Drainage Congestion	The outline for water passing from the dredge material was found to be functional.			-	P	-	No reports of any drainage congestion. Regular monitoring	Keep clear all drainage channels. Regular monitoring
River Traffic/Transport	River traffic-related signboards have already been fixed to ensure a safe river traffic movement		No mitigation measure is required		P	-	Install river traffic and navigation-related signboards	Advised to install aids to navigation as per the contract.

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Visual Monitoring Compliance								
Potential Aspects	Description	EMP Measures (Proposed in the EIA)	Measures Already Implemented	Compliance Status			Remarks/ Recommendation	Recommended deadline for implementing the corrective measures
				C	P	N		
Accidental Spillage	No reports yet	Oil spill emergency plan.24/7 ready plan	-		P	-	Logbook to be maintained, in case, of any incident, report to the authority	No action taken yet
Sediment leakages from pipes and sediment disposal	No reports of any leakage	Maintain pipes	Pipes regularly checked	-	P	-	Stop dredging, fix the problem before resumption; and report to the authority	
Drinking water & sanitation	Safe drinking water is being supplied	Source to be mentioned	-	-	C	-	-	Source of drinking water to be mentioned
Safety of workers	Occupational safety		PPEs provided	-	-	P	Monitor the use of PPEs	From Regular monitoring, Punitive measures for not using PPEs or Awareness programs for using PPEs. Besides, need to provide adequate number of PPEs.
Waste management	Waste bins have been placed on the houseboat as well as in the dredger and maintained		-	-	C	-	Colored collection bins for organic and non-organic solid wastes; no wastes in the river	Mention later stages, what happens after collection from waste bins
Cultural and archeological Sites	Preservation of such sites		x	-	x	x	Stop dredging,report to the authorities	-
Waste water			-	-	-	P	-	-

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

## 2.2.3 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 Bazaars, Union Council, villages, and the local Schools. Progress of Dikes and Good Faith Agreements during this reporting period of Lot-02 is illustrated in the following tables:

**Table 8: The progress of Dikes and Good Faith Agreements (GFA) for Lot-2 during this reporting period**

Dyke no.	Route No	Land Owner		Land			GFA
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
D1	9	Md. Monir Hossain NID: 6447046241	Village: Joy Nagar Upazila: Bancharampur	Plot No: 1117.1118, 10, 65, 1016, Mouza: Jay Nagar	95	Agriculture Land (Two Crops)	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:1210488092232	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:12104880921009	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

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Dyke no.	Route No	Land Owner		Land			GFA
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
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	Village: Nilukhi Union: Solimgonj Upazila:Nabinagar District: Brahman Baria	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
D19	9	Md. Kabir Hossain NID: 1210488087685 Mbl: 01789160113	Village:Akanagar Union: Tejkhali Upazila:Bancharampur District: Brahman Baria	Mouza: Akanagar, Plot no. 2948/2149/2150/ 2151/2152, BS-642;JL no. 13.	32	Agriculture land (One Crop)	Under Process
D20	9	1.Jasim Uddin NID: 7798370685 Mbl: 01717531207 2.Oli Mia NID: 9152173382 Mbl: 01720322353	Village: Bishnursmpur Union: Bishnursmpur Upazila:Bancharampur District: Brahman Baria	Mouza: Bishnursmpur SA Khatian: 11, Plot no: 1298,1428,1646,1655,1654 JL No 43	59	Agriculture land (One Crop)	Under Process
D21	9	Safar Ali NID: 2398388328 Mbl: 0191438148	Village:Akanagar Union: Tejkhali Upazila:Bancharampur District: Brahman Baria	Mouza: Akanagar, SA Khatian: 3610, Plot no: 3456,3460 JL No. 13	75	Agriculture land (One Crop)	Under Process
D22	9	Md. Milon Mia NID: 7348365565 Mbl: 01321822727	Village:Bahir char Union: Tejkhali Upazila:Bancharampur District: Brahman Baria	Mouza: Bahir char SA Khatian: 556, Plot no: 613, 857 JL No. 41	84	Agriculture land (One Crop)	Under Process
D23	9	1.Alongir Hossain NID: 19781210488000039; Mbl: 01741735087 2. Md. Borhan Uddin; NID: 1210488095770 Mbl: 01794735283	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
D24	9	Aminul Islam (Liton) NID: 9917405796 Mbl: 01310822838	Village: Bishnursmpur Union: Bishnursmpur Upazila:Bancharampur District: Brahman Baria	Mouza: Bishnursmpur SA Khatian: 92 Plot no: 1209,1205,1439,1430 JL No. 40	120	Agriculture land (One Crop)	Under Process
D25	9	Ilias Miazi NID: 19921216488000130 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
D26	9	1. Gazi Kawsar NID: 3298455597 Mbl: 01713685001 2.Gazi abdu 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)	
D27	9	Md. Hanif NID: 5501395304 Mbl: 01717531207	Village: Bishnurampur Union: Bishnurampur Upazilla: Bishnurampur District: Brahman Baria.	Mouza: Bishnurampur SA Khatian: 894, Plot no. 108,111 Khatian No. 860/380; JL No. 41	154	Agriculture land (One Crop)	Under Process

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Dyke no.	Route No	Land Owner		Land			GFA
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
D28	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
D29	9	Abu Kalam NID: 1948451222 Mbl: 01985708523	Village: Bahirchar Union: Tezkhal Upazila:Bancharampur District: Brahman Baria.	Mouza. Bahirchar Plot no. 904, 608, 752, 1227 Khatian No: 617, 1487 JL No: 41	89	Agriculture land (One Crop)	Under Process
D30	9	1.Md. Farid Mia NID: 3298435581 Mbl: 01317622313 2.Abdul Wahab NID: 6894609699 Mbl01735786521	Village: Bahirchar Union: Tezkhal Upazila:Bancharampur District: Brahman Baria.	Mouza. Bahirchar Plot no. 119,1084,415 Khatian No: 551,61,108 JL No: 41	88	Agriculture land (One Crop)	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
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. 1172,1208,1209,1199,1163,1198,1170,1200,1232 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: Tezkhal Upazila:Bancharampur District: Brahman Baria.	Mouza. Bahirchar Plot no. 25/400,217/652,268/418,628,708 Khatian No: 209,74 JL No: 41	84	Agriculture land (One Crop)	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: Tezkhal Upazila:Bancharampur District: Brahman Baria.	Mouza. Bahirchar Plot no. 1286,1351,1649,144,1563,127 Khatian No: 549,600,996 JL No: 41	140	Agriculture land (One Crop)	Under Process
D37	9	Md. Swapon Mia NID: 8248495528 Cel: 01753828096	Village: Bahirchar Union: Tezkhal Upazila:Bancharampur, District: Brahman Baria.	Mouza No. Bahirchar Khatian No: 530/616/1464 Plot: 553/552/554 JL No:41	60	Agriculture land (One Crop)	Under Process
D38	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	Village: Bahirchar Union: Tezkhal Upazila:Bancharampur District: Brahman Baria.	Mouza No. Bahirchar Khatian No: 751/439/120/889/743/70 Plot: 1282/1284/1285/1283/957/1641/2221/955/1502/985/984 JL No:41	173	Agriculture land (One Crop)	Under Process

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Dyke no.	Route No	Land Owner		Land			GFA
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
		NID: 2848376618 Mbl: 01735892711 6. Marfot Ali NID: 19761210488000018 Mbl: 01928705721 7. Abdul Mannan NID: 7812888217 Mbl: 01789256722					
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
D40	09	Md. Jalu Mia NID: 4155505789 Mbl: 01712892751	Village: Bahirchar Union: Tezkhal 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: Tezkhal 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	09	1.Mst. Jahanara NID: 1210488096760 Mbl01986218781	Village: Nilokhi Union: Salimganj Upazila:Nabinagar District: Brahman Baria.	Mouza No. Nilokhi Khatian No: 262 Plot: 1129/1 JL No:05	31	Agriculture land (One Crop)	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: Tezkhal 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: 19791218575000030 Mbl: 01716161185 2. Jaman Uddin NID: 2361962059 Mbl: 01859278912 3.Moshen Mia NID: 5107234883	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

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Dyke no.	Route No	Land Owner		Land			GFA
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
		Mbl: 01713925813 4.Dulal Mia NID: 7347018397 Mbl: 01712830195 5.Baijid Hasan NID: 5107234883 Mbl: 01915830112 6.Abdul Motin NID: 1218588035697 Mbl: 01913592311 7.Hanif Mia NID: 19701218575000009 Mbl: 01713925813					
D 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: 0191377071 6.Amir Hossain Passport:0538242 Mbl: 01712835771 7.Farid NID: 3322198205 Mbl: 01852892821	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
D 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
D 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
D 52	09	Shahin NID: 19821218575000021 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
D 53	09	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
D 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
D 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
D 01	7&8	1.Hanif Mia NID: 6816020733136 2.Abu Kashed Mia NID: 6816020432149 3.Abul Kashem NID: 5501734684 4.Nuru Mia	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	677	About 70% Fallow Land and 30% Agriculture land (One Crop)	Under Process



Dyke no.	Route No	Land Owner		Land			GFA
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
		NID: 8218914904 5.Sushil Chandra Sutradhar NID: 6816020732471 Mbl: 01794391918, 01712766109		JL No: 73, 62, 52			
D 02	7&8	Md. Delwar Hossain NID: 9550769062 Mbl: 01712766109	Village: Bakhor nagar Union: Alokballi Upazila:Narsingdi Sadar District: Narsingdi	Mouza: Char Madhobpur SA Khatian No: 8723/4356/4126/4247 SA Plot No: 7879,7915,7880,8793,7891,7960,7961,9730,9731,9732,8730,896,7496,7494,9756,9757,9727,9730,9731,9732,8726,8743,7891,8793,7886, JL No: 62	328	Fallow Land	Under Process

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

### 2.3.1 Development and Maintenance Dredging Works:

Dredging work up to 31st May 2024 on Route 21 commenced on 28th October 2023 and continued until 30th April 2024, then resumed on 9th May 2024. Two swings (1st cut and 2nd cut) were completed using the dredgers Banga Jamuna, Banga Shitalokkha, and Banga Padma. The dredging spanned a chain age from K0+000 to K2+200, covering a length of 2200 meters, with a cutting width of 85 meters and an average cutting depth of 2.45 meters. Navigational Aids are ready to place.

**Table 9: : Dredging Work of Lot-3 site up to May, 2024**

Sl. No.	Dredger Name	Time Period	Route No.	Place	Cutting Length (m)	Cutting Volume (cum.)
01.	Banga Sitalakhya		River Route 13	Patarhat-Bheduria	4,943.63	375,552.69
02.	Banga Padma, Banga Jamuna, and Banga Shitalakkhya		River Route 16	Laharhat-Bheduria	11,006	745,392.7
			River Route 21			

### 2.3.2 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 10: Environmental Quality Assessment for May 2024 for Lot-3**

Sl No.	Item	Parameters	BaselineData of Route 21	Route 21	S1A Remarks <sup>2</sup> May 2024
				May 2024	
1	Ambient Air Pollutants' Concentration in µg/m <sup>3</sup>	SPM	165.12	67.25	*WAL
		PM10	72.15	43.20	WAL
		PM2.5	47.28	18.76	WAL
		SO2	13.69	14.01	WAL
		NO2	22.18	18.46	WAL
		CO	0.6	0.6	WAL
2	Noise Level	LEQ day	62.35	62.10	WAL
		Lmax	82.53	74.56	Mixed Area.
		Lmin	39.76	39.45	WAL
3	Under Water Noise Level	LAvg [dB (A)]		60.9	
4	SurfaceWater Quality	Temperature	24.8	29.5	WAL
		EC	290	285	WAL
		pH	7.77	7.78	WAL
		TDS	137	138	WAL
		DO	7.0	7.1	WAL
		BOD5	1.5	1.5	WAL
		TSS	86	83	WAL
		Lead	10.17	12.32	WAL

**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**

Sl No.	Item	Parameters	BaselineData of Route 21	Route 21	S1A Remarks <sup>3</sup> May 2024
				May 2024	
5	Riverbed Sediment	Cadmium	0.054	0.062	WAL
		Chromium	12.76	17.53	WAL
		Zinc	23.48	25.48	WAL
		Arsenic	1.57	2.09	WAL
6	Dredged Material	Lead	12.50	-	WAL
		Cadmium	0.057	-	WAL
		Chromium	15.67	-	WAL
		Zinc	25.30	-	WAL
		Arsenic	1.95	-	WAL

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

**Table 11: Compliance Status for May 2024 for Lot-3**

Visual Monitoring Compliance								
Potential Aspects	Description	EMP Measures (Proposed in the EIA)	Measures Already Implemented	ComplianceStatus			Remarks/ Recommendation	Recommended deadline for implementing the corrective measures
				C	P	N		
Aquatic Flora and Fauna including Plankton, Benthos, fish, dolphin	In May 2024, eighteen (18) species of fish and four (04) crustacean species (prawn) were also reported to be caught in the river. A commercially important species, Ilish ( <i>Tenualosa ilisha</i> ) 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.	Mitigation measures not 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 measure the sediment plume on 1 <sup>st</sup> March 2023. Reminders were given verbally and by email	No action taken or data provided by the contractors yet. Will be reminded again
Riverbank Erosion	No reports of riverbank erosion or flooding occurred during the reporting month.			-	P	-		Regular monitoring
Hydrological Conditions	Surveyed before dredging							
Drainage Congestion	No drainage congestion was observed during this month.				P	-	No reports of any drainage congestion	To be monitored regularly, early mornings and evenings
River Traffic/Transport	No traffic-related problems were identified	Appropriate aids to navigation to be installed	Procurement of aids to navigation under process	-	P	-	River traffic-related sign boards observed	Appropriate aids to navigation to be installed soon, some.

Visual Monitoring Compliance								
Potential Aspects	Description	EMP Measures (Proposed in the EIA)	Measures Already Implemented	Compliance Status			Remarks/ Recommendation	Recommended deadline for implementing the corrective measures
				C	P	N		
Accidental Spillage	No reports yet	Monitoring and preparedness to handle any accidental spillage	No spills from chemical storage	-	P	-	Emergency oil spill management plan	Emergency Plan in place, to be updated if necessary
Sediment leakages from pipes and sediment disposal	No reports of any leakage	Maintain pipes, regular checking	During this reporting month, no leakage was found in the dredge pipe. Pipes regularly checked	-	P	-	No reports of leakage	Stop dredging, fix the problem before resumption; and report to the authority
Drinking water & sanitation	Safe drinking water is being supplied			C	-	-		Drinking water source to be mentioned
Safety of workers	Occupational safety		PPEs provided	-	-	N	Awareness of using PPEs	-
Waste management	Waste bins have been placed on the houseboat as well as in the dredger and maintained		-	C	-	-	Colored collection bins for organic and non-organic solid wastes; no wastes in the river	Mention the end process where does the waste go from the bins?
Cultural and archeological Sites	Preservation of such sites		x	-	x	x	Stop dredging, report to the authorities	-
Wastewater	From houseboats, dykes, etc.	Treated, release after settling	Not described	-	-	N	To be treated before release	-

### 2.3.3 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 12: The progress of Dykes and GFA for Lot-3 during this reporting period (R-21, Dyke-1 to 18)**

S N	Route No.	Dyke No	Route Length	R.Name Distance from R.Bank	GFA	Name of the Land Owner, NID, Contact Address and Mbl No.	Land Area	Dyke Design/ Drawing submitted	Dyke Design/ Drawing approved	Dyke Construction Completed	Dredged Material Filled out	Financial Transaction Yes/No
1	R21	R21-D1	9 km	Tentuli a river, 40 m (Approx.)	Done	Salam Fakir NID: 8223014047 Mbl # 01766-138946 Village: Ghagoria Union: Ghagoria Upazila: Mehendiganj District: Barishal	8,093 m <sup>2</sup> or 200 Decimal (Appx)	Done	Done	Done	Done	Under processing, Amount: 1,00,000 tk.
2	R21	R21-D2	9 km	Tentuli a river, 30 m (Approx.)	Done	Mizan Fakir NID: 6860475422 Mbl # 01712-878285 Village: Bhedurिया Union: Bhola Sadar Upazila: Bhola Sadar District: Bhola	4,869 m <sup>2</sup> or 120.32 Decimal (Approx.)	Done	Done	Done	Done	Under processing, Amount: 72,600 tk.

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S N	Route No.	Dyke No	Route Length	R.Name Distance from R.Bank	GFA	Name of the Land Owner, NID, Contact Address and Mbl No.	Land Area	Dyke Design/ Drawing submitted	Dyke Design/ Drawing approved	Dyke Construction Completed	Dredged Material Filledout	Financial Transacti on Yes/No
3	R21	R21-D3	9 km	Tentuli a river, 20 m (Appro x.)	Don e	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: 1,12,000 tk.
4	R21	R21-D4	9 km	Tentuli a river, 220 m (Appro x.)	Und er Proc essi ng	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	R21	R21-D5	9 km	Tentuli a river, 30 m (Appro x.)	Don e	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	R21	R21-D6	9 km	Tentuli a river, 30 m (Appro x.)	Don e	Nur Nabi Vhuiya NID: 616213050970 Mbl # 01846- 565388 Village: Ghagoria Union: Mehendiganj Upazila:Mehendiga nj District: Barishal	14,365 m2 or 354.999 Decimal (Approx .)	Done	Done	Done	Done	Under processi ng, Amount: 2,84000 tk.
7	R21	R21-D7	9 km	Tentuli a river, 30 m (Appro x.)	Don e	Nur Nabi Vhuiya NID: 616213050970 Mbl # 01846- 565388 Village: Ghagoria Union: Mehendiganj Upazila:Mehendiga nj District: Barishal	7,890 m2 or 194.98 Decimal (Approx .)	Done	Done	Done	Done	Under processi ng, Amount: 1,56000 tk.
8	R21	R21-D7(Ext ension)	9km	Tentuli a river, 30 m (Appro x.)	Don e	Nur Nabi Vhuiya NID: 616213050970 Mbl # 01846- 565388 Village: Ghagoria Union: Mehendiganj Upazila:Mehendiga nj District: Barishal	9695.66 m2 or 239.48 Decimal (Approx .)	Done	Done	Done	Done	
9	R21	R21-D8	9 km	Tentuli a river, 10 m (Aprox .)	Und er Proc essi ng	Zhariul Islam Nakib NID: 4192286039 Mbl # 01711- 320785 Village: Bheduriya Union: Bhola Sadar Upazila: Bhola Sadar District: Bhola	6360.09 56 m2 or 157.175 8 Decimal (Approx .)	Done	Done	Done	Done	Under processi ng

**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**

S N	Route No.	Dyke No	Route Length	R.Name Distance from R.Bank	GFA	Name of the Land Owner, NID, Contact Address and Mbl No.	Land Area	Dyke Design/ Drawing submitted	Dyke Design/ Drawing approved	Dyke Construction Completed	Dredged Material Filledout	Financial Transacti on Yes/No
10	R21	R21-D9	9 km	Tentuli a river, 1402 m	Under Proc essi ng	Kabi Hossain Mridha NID: 6878485082 Mbl # 01735- 802399 Village: Ghagoria Union: Mehendiganj Upazila:Mehendiga nj District: Barishal	48733.0 96 m2 or 1204 Decimal (Approx .)	Done	Done	Done	Done	Under processi ng
11	R21	R21-D10	9 km	Tentuli a river, 1036 m	Under Proc essi ng	Md. Hakim uddain NID: 1928737947 Mbl # not given Village: Bheduria Union: Bhola Sadar Upazila:Bhola Sadar District: Bhola	31,074.5 81 m2 or 767.940 Decimal (Approx .)	Done	Done	Done	Done	Under processi ng
12	R21	R21-D11	9 km	Tentuli a river, 1078 m (Aprox .)	Under Proc essi ng	Pvt. land owner: Rahul amin NID: 0616213050968(Ra hul amin) Mbl # 01762- 447287 (Rahul amin) Public school land owner: Bangladesh Govt. Mbl# 01795- 831831 (Mrs.Rina, Headmaster) NID: not found (Mrs.Rina, Headmaster)Villag e: Shreipur Union: Mehendiganj Upazila: Mehendiganj District: Barishal	17,955.3 937m2 or 4.4368 acre or 443.72 Decimal (Approx .)	Done	Done	Done	Done	Under processi ng by contract or
13	R21	R21-D12	9 km	Tentuli a river, 1006 m	Under Proc essi ng	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
14	R21	R21-D13	9 km	Tentuli a river, 670m	Under Proc essi ng	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
15	R21	R21-D14	9 km	Tentuli a river, 853m	Under Proc essi ng	Mizanur Rahman Harun NID: 6860475422 Mobile # 01712- 878285 Village: Shampur Union/post: Kalupur Upazila: Bhola Sadar District: Bhola	41180.1 6 m2 or 1017.56 Decimal (Approx .)	Done	Done	Done	Done	Under processi ng by contract or

**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**

S N	Route No.	Dyke No	Route Length	R.Name Distance from R.Bank	GFA	Name of the Land Owner, NID, Contact Address and Mbl No.	Land Area	Dyke Design/ Drawing submitted	Dyke Design/ Drawing approved	Dyke Construction Completed	Dredged Material Filledout	Financial Transaction Yes/No
16	R21	R21-D15	9 km	Tentuli a river, 77m	Under Processing	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	ongoing	Under processing by contract or
17	R21	R21-D16	9 km	Tentuli a river, 300 m (Approx.)	Under Processing	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	ongoing	Under processing by contract or
18	R21	R21-D17	9 km	Tentuli a river, 10 m (Approx.)	Under Processing	Salam Fakir NID: 8223014047 Mbl # 01766-138946 Village: Ghagoria Union: Ghagoria Upazila: Mehendiganj District: Barishal	3,429 m2 or 84.730 Decimal (Approx.)	Done	Done	Dyke construction on going	ongoing	Under processing by contract or
19	R21	R21-D18	9 km	Tentuli a river, 1632 m (Approx.)	Under Processing	Harun chairman and association with commissioner NID: under process Mbl # under process Village: Ghagoria Union: sreepur Upazila: Mehendiganj District: Barishal	6934.84 sqm or 171.28 decimal	Done	Done	Dyke construction on going	ongoing	Under processing by contract or

**Table 13: The progress of Dykes and GFA for Lot-3 during this reporting period (R-16, Dyke-1&2)**

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/ Drawing submitted	Dyke Design/ Drawing approved	Dyke Construction Completed	Dredged Material Filled out	Financial Transaction Yes/No	Remarks
1	R16	15 km	R16-D1 (Extension)	Maskata river, Adjacent to the left bank of river [Disposal area boundary wall constructed upon previous dyke no.1 (R16-D1)]	Under Processing	MD.Amir hossain Jomaddar NID: 8225574485 Mbl # 01718051191 Village/mouja: Sadequepur Union: Mehendiganj Upazila: Mehendiganj District: Barishal	19,755.98m2 or 488.22 Decimal (Approx.)	Done	Done	Done	Done	Under processing.	Same dyke but extension



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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/ Drawing submitted	Dyke Design/ Drawing approved	Dyke Construction Completed	Dredged Material Filled out	Financial Transaction Yes/No	Remarks
			R16-D1(Old)	Maskata river, Adjacent to the left bank of river(Using Torza as well as bamboo strip for dyke boundary wall)	Under Processing	MD.Amir hossain Jomaddar NID: 8225574485 Mbl # 01718051191 Village/mouja: Sadequepur Union: Mehendiganj Upazila: Mehendiganj District: Barishal	17,633 m2 or 435.76 Decimal (Approx.)	Done	Done	Done	Done		
2	R16	15 km	R16-D2 (Extension)	Maskata river Adjacent to the right bank of river(Using Torza as well as bamboo strip for dyke boundary wall)	Under Processing	Adv. Md Khorshed NID: 7328539411 and Adv.Md Jakir Hossain NID: 0616213038313 Mbl # 01770198608 Village: Char Mitua Union: Alimabad Upazila: Mehandiganj District: Barishal	40,804.1 m2 or 1008.39 decimal	Done	Done	Done	Done	Under processing.	Same dyke but extension
			R16-D2	Maskata river, Adjacent to the right bank of river(Using Torza as well as bamboo strip for dyke boundary wall)	Under Processing	Adv. Md Khorshed NID: 7328539411 and Adv.Md Jakir Hossain NID: 0616213038313 Mbl # 01770198608 Village: Char Mitua Union: Alimabad Upazila: Mehandiganj District: Barishal	11,596 m2 or 286.56 Decimal (Approx.)	Done	Done	Done	Done	Under processing.	

**Table 14: The progress of Dykes and GFA for Lot-3 during this reporting period (R-13, Dyke-1 to 3)**

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/Drawing submitted	Dyke Design/Drawing approved	Dyke Construction Completed	Dredged Material Filled out	Financial Transaction Yes/No
1	R13	1.4 km	R13-D1	Meghna & Aril khan river, 914m	Under Processing	Md. Ali Bapari NID: not given Mbl # 01739224610 Village: Narshinshopur Union: Shokhipur Upazila: Bhedorganj District: Shariatpur	23230.615 m2 or 574.028 Decimal (Approx.)	Done	Done	Done	Done	Under processing by Banga contractor
2	R13	1.4 km	R13-D2	Meghna & Aril	Under Processing	land owner: public/Government	16,180 m2 or 399.85	Done	Done	Done	Done	Under processing by Banga

**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**

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/Drawin g submitted	Dyke Design/Drawin g approved	Dyke Constructio n Completed	Dredge d Material Filled out	Financial Transactio n Yes/No
				khan river, 100m		NID: Mbl # Village: Lokkhir char Union: Upazila: Chandpur sadar District: Chandpur	decimal					contractor
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: Shariatpur	18046.71 m2 or 445.984 Decimal (Approx.)	Done	Done	Done	Done	Under processing by Banga contractor

**ACHIEVEMENT OF 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 12 Lot-3.
- c) Reviewing and Assessing volume for Route 16 and Route 21 under Lot-3
- d) Conducted Manual Surveys of Dredging activities on Route 9 for progress monitoring.

**LOT-2**

- a) Completed 11.5 km of dredging of 19.5 km on Route 9, which is 58.9% dredging progress on Route 9.
- b) Completed 3.41 km of dredging of 5.8 km on Route 7 & 8, which is 58.8%
- c) Completed 0.45 km of dredging of 1.5 km on Route 6, which is 30 %
- d) Completed 0.26 km of dredging of 10.6 km on Route 11, which is 2.5 %
- e) Related Environmental, Social and GRM Activities have been conducted.
- f) 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.
- b) Related Environmental, Social and GRM Activities have been conducted

**3.2 NEXT MONTH PLAN:**

**S1A**

- a) Post intermittent survey will conduct in Route 9 under Lot-2
- b) Reviewing the Volume data with the submitted data by the contractor and assess the volume for Route 9 under Lot-2.
- c) Supervision and Monitoring of Surveying, dredging activities and quality, ESHS and GRM activities of Lot-2 and Lot-3 as mentioned below.
- d) 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.
- e) Expediting navigational aid installation work plan from the Lot-2 and Lot-3 contractors.
- f) 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.

## CHAPTER 04: CONCLUSION AND/OR RECOMMENDATIONS

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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, which includes but not limited to the following reasons:

- No input of the Key Experts
- Mechanical breakdown of dredgers
- Poor supply chain management resulting in higher downtime
- Inadequate logistic support, including spare parts and accessories
- Poor workmanship
- Less production hour

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.