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Ministry of Shipping



Bangladesh Inland Water Transport Authority (BIWTA)



The World Bank



MONTHLY PROGRESS REPORT

September 2023

**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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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	Governance, Risk, And Compliance
GRM	Grievance Redress 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
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

EXECUTIVE SUMMARY

Background

The Bangladesh Regional Waterway Transport Project 1 (Chittagong-Dhaka-Ashuganj Corridor) is the ‘Project’ of the Government of Bangladesh (GoB) to develop 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 maintenance of the river corridors and ferry routes within the Project area through a performance-based contract. JPZ-DEMAS-JCL, the consulting firm herein referred to as S1A has started the supervision and monitoring work under this component in December 2022 financed by the World Bank (WB) and implemented by 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 03 respectively.

Progress of the Contractors during the Reporting Period

In September 2023, Lot-2 contractor dredged 621 m on Route 9 (Class III, length 80km, Titas River). From the month of March 2023 till September 2023, they have cumulatively dredged 2,169 m on Route 9. The progress is very poor. The main challenge is failing to provide continuous operation of dredgers due to frequent machinery breakdown. Moreover, accumulation of polythene bags and other nonperishable items has been found at few locations on Route 9 which is obstructing the dredging in those locations.

During the month of September, 2023, the Lot-3 contractor did not carry out any dredging work due to monsoon and the LADs exist in all the routes under Lot-3. Moreover, they did the maintenance surveys and environmental quality control activities on Route 21 (Laharhat to Bheduria, Tentulia River). Besides, the Lot-3 contractor has installed two new gauge stations on Route 16 and Route 21. Also, they have installed Benchmarks on Route 13, 15, 16 and 21.

The Consultants activities during the Reporting Period

The S1A consultant team attended the World Bank environment and safeguard team during their visit at Solimgonj, Lot-2. A discussion has been taken place regarding the progress of the dredging activities and the PD, BRWTP-1 has expressed his concern regarding the slow progress of the project and requested the Lot-2 contractor representatives to expedite the work to catch up the work plan. In this regard, he has also requested the Lot-2 contractor to submit a revised work plan showing how Lot-2 will address the backlog. The Lot-2 representatives have ensured that they will start their survey work on route 9 in the first week of October, 2023 and they will also work on expediting the dredging work. In this reporting period, the S1A team has conducted the monitoring survey from 19th September, 2023 to 30th September, 2023 on Route 7 & 8 under Lot-2.

CHAPTER 01:

PROJECT DESCRIPTION IN A BRIEF

2.1 Project 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 st September, 2022; Duration of 66 months
Date of Commencement	:	6 th December, 2022; Duration of 66 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

CHAPTER 02: SALIENT FEATURES & MONTHLY PROGRESS

2.1 PROGRESS OF BRWTP-S1A:

2.1.1: Development and Maintenance Dredging Works:

Lot-2:

In September 2023, Lot-2 contractor dredged 621 m on Route 9 (Class III, length 80km, Titas River). From the month of March 2023 till September 2023, they have cumulatively dredged 2,169 m on Route 9. The progress is very poor. The main challenge is failing to provide continuous operation of dredgers due to frequent machinery breakdown. Moreover, accumulation of polythene bags and other nonperishable items has been found at few locations on Route 9 which is obstructing the dredging in those locations. The S1A consultant team attended the World Bank environment and safeguard team during their visit at Solingonj, Lot-2. A discussion has been taken place regarding the progress of the dredging activities and the PD, BRWTP-1 has expressed his concern regarding the slow progress of the project and requested the Lot-2 contractor representatives to expedite the work to catch up the work plan. In this regard, he has also requested the Lot-2 contractor to submit a revised work plan showing how Lot-2 will address the backlog. The Lot-2 representatives have ensured that they will start their survey work on route 9 in the first week of October, 2023 and they will also work on expediting the dredging work. In this reporting period, the S1A team has conducted the monitoring survey from 19th September, 2023 to 30th September, 2023 on Route 7 & 8 under Lot-2.

Lot-3:

During the month of September, 2023, the Lot-3 contractor did not carry out any dredging work due to monsoon and the LADs exist in all the routes under Lot-3. Moreover, they did the maintenance surveys and environmental quality control activities on Route 21 (Laharhat to Bheduria, Tentulia River). Besides, the Lot-3 contractor has installed two new gauge stations on Route 16 and Route 21. Also, they have installed Benchmarks on Route 13, 15, 16 and 21. The S1A consultant team supervised the benchmark installation work.

2.1.2: Environmental Quality Assessment:

The S1A team reviewed the environmental data of Route 9, 7 & 8 under Lot-2 and Route 15 & 16 and 21 under Lot-3, for the month of September, 2023 consisting of air, water, noise pollution levels, riverbed materials report, etc.

Table 1: Environmental Quality Assessment for September 2023 for Lot-2 and Lot-3

Sl.No.	Item	Parameters	Baseline Lot-2 February 2023 Route 09	Lot-2 Route 09	Baseline Lot-3 December 2022 Route 21	Lot-3 Route 21	S1A Remarks	Approved Limits (ECR 2023)
1	Air Quality	SPM	129.62	168.64	165.12	46.2	No approved limit; air pollutants like NO ₂ , SO ₂ , SPM, etc., are the major constituents of automobile exhaust, may cause breathing discomfort for people with lungs asthma and heart disease when exposed to more than 100µg/m ³ for prolonged	No approved limit
		PM10	62.23	78.42	72.15	25.31	Within the approved limit; same impacts as for the SPM, if permissible limits exceeded	150 µg/m ³
		PM2.5	29.37	53.46	47.25	19.52	Within the approved limit; same impacts as for the SPM	65µg/m ³
		SO ₂	17.48	30.58	13.69	9.72	Within the approved limit; same impacts as for the SPM	80µg/m ³
		NO ₂	11.28	26.15	22.18	10.71	Within the approved limit; same impacts as for the SPM	80µg/m ³
		CO	1.1	0.6	1.5	0.2	Within the approved limit; same impacts as for the SPM	5µg/m ³
2	Noise Level	LEQ day	67.8	58.4	68.6	46.23	Within the approved limit	75dB(day)
		Lmax	81.3	69.6	84.4	61.12	Within the approved limit	75dB(day)
		Lmin	44.4	40.5	37.3	36.71	Within the approved limit	75dB(day)
3	Surface Water Quality	Temperature	21.2	31.9	22.1	24.2	Surface water temperature at Route 09 was higher than the approved level possibly due to several factors, like 1) the shallowness of the river; 2) and clearing of the water hyacinth due to the ongoing dredging; or 3) from decomposition of organic wastes; or 4) due to pollution from the effluents released from the nearby market, launch ghat ; or 5) no or slow flowing water. At Route 21 of Lot 3, the surface water temperature is within the limit due to the large volume of steadily flowing water. Moreover, the sources of pollution need to be identified to mitigate the impacts.	20 - 30°C
		EC	315	208	300	200	No approved limit, but below 300 represents good water quality	No approved limit
		pH	7.25	6.92	7.89	7.23	Route 09 is Ok while Lot 3 is on the alkaline side as the river is influenced by tide due to salinity	6.5 - 8.5
		TDS	170	235	150	90	Lot 3 looks good while Lot 2 Route 09 is susceptible due to the wastes and other effluents from the nearby market and launch ghat. Also the dredging may have affected it.	1000
		DO	4.7	6.1	6.2	7.6	Results from the water samples are within the limit	>5
		BOD ₅	11	5.4	0.4	0.5	Results from the Lot 3 water samples are within the limit, however the water samples from Route 09 indicate a higher BOD content again due to pollution from organic matter dumped in the river from the market and agricultural runoff from the cultivable land along the river bank. If BOD is high the extent of treatment will be high.	<5
4	Riverbed sediment	TSS	87	162	93	42	Total suspended solids (TSS) are particles that are larger than 2 microns found in the water column, both organic and inorganic, that remain in suspension in water or wastewater after gravity settling, related to the turbidity (cloudiness) of water. If TSS is high and the water is murky then light from the sun will not travel well through the water, making it difficult for plants and algae to grow. TSS between 0 and 300 is considered good for fishes and other aquatic resources.	No approved limit
		Lead (Pb)	11.6	11.58	17.23	8.34	Lead content is higher in Route 09 samples, the sources for this deadly element may be the market while for Lot 3 the sources of pollution may be due to the deposition of contaminated soil in the riverbed from areas supporting industries.	No approved limit under ECR 2023, however WHO/FAO limits for lead range between 0.3 - 14 mg/kg
		Cadmium (Cd)	0.082	0.082	0.017	0.055	Cadmium is toxic to plants, animals and micro-organisms. Being a simple chemical element, cadmium is persistent – it cannot be broken down into less toxic substances in the environment, poses a health risk for both humans and animals. It is naturally occurring in the environment as a pollutant that is derived from agricultural and industrial sources. Exposure to cadmium primarily occurs through the ingestion of contaminated food and water and, to a significant extent, through inhalation.	No approved limit under ECR 2023, however WHO/FAO limits for lead range between 0.3 - 14 mg/kg
		Chromium (Cr)	13.29	13.98	21.88	8.87	Chromium pollution is a significant environmental threat, severely impacting our environment and natural resources, especially water and soil. Excessive exposure could lead to higher levels of accumulation in human and animal tissues, leading to toxic and detrimental health effects.	No approved limit under ECR 2023, however WHO/FAO limit is 1.5 mg/kg
		Zinc (Zn)	32.58	24.54	92.36	18.72	Higher zinc content in the samples indicate difficulty of 2.5 in the diving spring board contest	No approved limit under ECR 2023, (from VCC based in the location of the free ranging
		Arsenic (As)	1.07	2.4	1.01	1.78	Arsenic content from results vary with the location	No approved limit under ECR 2023

Table 2: Compliance Status for September 2023 for Lot-2

Visual Monitoring Compliance								
Potential Aspects	Description	EMP Measures as Proposed in the EIA	Measures Already Implemented	Compliance Status			Remarks/ Recommendation	Recommended deadline for implementing the corrective measures
				C	P	N		
Aquatic Flora and Fauna including Plankton, Benthos, fish, dolphin	Data provided	Mitigation measures not required	No mitigation measure is required	-	P	-	Common fishes and crustaceans have been recorded; one endangered fish species recorded according to the IUCN Red List-Bangladesh, 2015.	Advised regular monitoring of the habitat and intensive, repeated visits to establish an inventory of the floral and faunal species
Sediment Dispersion	Not measured	-	-	-	-	N	Contractors were notified to measure sediment plume on 1 st March 2023	No action taken or data provided by the contractors yet. Will be reminded again
River Bank Erosion	No incident occurred during this reporting period	-	-	C	-	-	Regular monitoring	-
Hydrological Conditions	Surveyed prior to dredging	-	-	-	P	-	-	-
Drainage Congestion	No complaints received on congestion			-	P	-	No reports of any drainage congestion	Keep clear all drainage channels
River Traffic/Transport	No complains		No mitigation measure is required	-	P	-	Install river traffic and navigation-related sign boards	
River Bed Condition	Accumulation of polythene bags and other nonperishable items	Adopt appropriate waste confinement and storage arrangement	-	-	-	N	Advised the contractor to keep the polythene bags and other items in a confined place	To be addressed immediately
Accidental Spillage	No reports yet		-	-	P	-	Log book to be maintained, in case of any incident, report to authority	
Sediment leakages from pipes and sediment disposal	No reports on any leakage	Maintain pipes	Pipes regularly checked	-	P	-	Stop dredging, fix the problem prior to resumption; report to authority	
Drinking water & sanitation			-	C	-	-	-	-
Safety of workers	Occupational safety		PPEs provided	-	P	-	Monitor use of PPEs	-
Solid Waste management			-	C	-	-	Colored collection bins for organic and non-organic solid wastes; no wastes in the river	
Cultural and archeological Sites	Preservation of such sites		-	-	-	-	Stop dredging, report to the authorities	-
Waste water			-	-	P	-	-	-

Table 3: Compliance Status for September 2023 for Lot-3

Visual Monitoring Compliance								
Potential Aspects	Description	EMP Measures as Proposed in the EIA	Measures Already Implemented	Compliance Status			Remarks/ Recommendation	Recommended deadline for implementing the corrective measures
				C	P	N		
Aquatic Flora and Fauna including Plankton, Benthos, fish, dolphin	Data provided	Mitigation measures not required	No mitigation measure is required in the reporting period	-	P	-	Common fishes and crustaceans have been recorded	Advised regular monitoring of the habitat
Sediment Dispersion	Not measured	x	No mitigation measure is required in the reporting period	-	-	N	Contractors were notified to measure sediment plume on 1 st March 2023	No action taken or data provided by the contractors yet. Will be reminded again
River Bank Erosion	No reports yet	Dredger stopped and relocated	-	-	-	-	Regular monitoring	-
Hydrological Conditions	Surveyed prior to dredging	-	-	-	-	-	-	-
Drainage Congestion	No action taken or data provided by the contractors yet. Will be reminded again				P	-	No reports of any drainage congestion	-
River Traffic/Transport	No complaints received				P	-	River traffic related sign boards observed	
River Bed Condition	No reports yet	Adopt appropriate waste confinement and storage arrangement	-	-	-	-	-	-
Accidental Spillage	No reports yet		No spills from chemical storage -		P	-	-	-
Sediment leakages from pipes and sediment disposal	No reports on ant leakage	Maintain pipes	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 prior to resumption; report to authority

2.1.3: Social and Resettlement Aspects:

In Lot-2 and Lot-3 no dredged material disposal location has been selected, as there was no requirement during this reporting period. The S1A GRM expert is working on setting up the protocols for reporting the GRM issues at different level in a structured way based on CEAP and Contractual responsibilities.

2.1.3.1 Communication and Public Consultation:

The social and safeguard team have communicated with local people and conducted consultation meeting on a regular basis.

2.1.3.2 ESHS, Worker Employment and OHS Status:

The S1A team assessed the ESHS, Worker Employment, Labor and Working condition, Occupational Health and Safety status during the reporting period.

Data has been collected through field observation of the working condition of the laborers. Data are collected about working conditions, presence of male and female laborers, wage, first aid, and labor shed etc. First-aid medical boxes, safe drinking water, toilet facilities are available in the project areas. No child laborer and no forced laborer have been engaged in the project work. In this regard, no incident has been found during this reporting period. 2.1.3.3 Number of Contracts (if any) and labor employed (gender disaggregated)

Not Applicable for this month.

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

No female laborers are available together with male laborers in the project site. On the other hand, the local people have reported that the dredging workers/ laborers have no congenial or illicit sexual relationship with the local inhabitants. No data have found about the violence against women. Everybody reported that no sexual exploitation, sexual violence, or gender-based violence happened in work sites.

2.1.3.5 Grievance Redressal Mechanism (GRM):

A Grievance Redressal Committee (GRC) has been developed so that local community people, labors and other stakeholders have a ground to report their feedback, concern, grievance, and suggestion to the contractors by submitting their grievance through the proposed mechanism. Regular consultations are being conducted by the contractors with the supporting of S1A to inform local people about reporting mechanisms of grievance or suggestions if any. Grievance box has been installed at project office, dredging sties so that people could drop their grievance letters. A signboard has also been set up near the project office providing a hotline number so that people could immediately contact if they have any grievance or suggestions. However, during the last monitoring, no grievance has been recorded.

2.1.4: Field Activities of S1A Consultant

Table 4: Field Activity of BRWTP-S1A (Lot-2)

Date	Activity	Relevant Route/Contractor/Consultant	Remarks
01.09.2023	Inspection of dyke 18 and dredging alignment.	Tejkhali Union, Akanagar Village under Bancharampur Upazilla in Brahmanbaria district BRWTP-S1A Lot-2	
04.09.2023	Site visit at dyke 13.	Tejkhali Union, Akanagar Village under Bancharampur Upazilla in Brahmanbaria district BRWTP-S1A Lot-2	
10.09.2023	Site visit at dyke 09.	Tejkhali Union, Akanagar Village under Bancharampur Upazilla in Brahmanbaria district BRWTP-S1A Lot-2	
14.09.2023	New dredger installed in the site. The new dredger name is Karnafuly- 05. To increase the work, progress this dredger is installed at chainage 4+410.	BRWTP-S1A Lot-2	
15.09.2023	Sampling the Environmental data like as: 1. Inspection of air noise monitoring. 2. Observation of air noise level. 3. Under water noise	Titas River. BRWTP-S1A Lot-2	

Date	Activity	Relevant Route/Contractor/Consultant	Remarks
	monitoring. 4. Inspection of Dissolved oxygen, Water P ^H , temperature etc. 5. Sampling collection of water upstream and downstream of the dredger for dissolved oxygen inspection. 6. Soil sample collection from the disposal area and the river bed for lab test.		
19.09.2023	Monitoring Survey by BIWTA at route 7 and 8 (Narsingdi site).	BRWTP-S1A Lot_2	
20.09.2023	Monitoring Survey by BIWTA at route 7 and 8 (Narsingdi site).	BRWTP-S1A Lot_2	
21.09.2023	Monitoring Survey by BIWTA at route 7 and 8 (Narsingdi site).	BRWTP-S1A Lot_2	
22.09.2023	Monitoring Survey by BIWTA at route 7 and 8 (Narsingdi site).	BRWTP-S1A Lot_2	
23.09.2023	Site visit with PIU, representative of world bank and JPZ consultant.	Titas River. BRWTP-S1A Lot_2	
23.09.2023	Monitoring Survey by BIWTA at route 7 and 8 Narsingdi site).	BRWTP-S1A Lot_2	
24.09.2023	Monitoring Survey by BIWTA at route 7 and 8 (Narsingdi site).	BRWTP-S1A Lot_2	
25.09.2023	Monitoring Survey by BIWTA at route 7 and 8 (Narsingdi site).	BRWTP-S1A Lot_2	
26.09.2023	Monitoring Survey by BIWTA at route 7 and 8 (Narsingdi site).	BRWTP-S1A Lot_2	
27.09.2023	Monitoring Survey by BIWTA at route 7 and 8 (Narsingdi site). Completed the monitoring Survey.	BRWTP-S1A Lot_2	

Table 5: Field Activity of BRWTP-S1A (Lot-3)

Date	Activity	Relevant Route/Contractor/Consultant	Remarks
September 04, 2023	Discussion meeting with Land Officer of Patarhat Upazila Land Office in presence of PIU	S1A Consultant and Lot-3 representative	
September 05, 2023	Consultation with Local people for selecting Dykes at Char Mithuya, Alimganj, Mehendiganj.	S1A Consultant and Lot-3 representative	
	Site inspection and Social Meetings at Patarhat-Bheduria, Route No. 16		
September 09, 2023	BM and water gauge installation at Laharhat-Bheduria, Route 21		
	BM and water gauge installation at Sreepur Launch ghat and Laharhat Ferry ghat, Route 21		

Date	Activity	Relevant Route/Contractor/Consultant	Remarks
	BM and water gauge installation at AtHazar-Habinagar, Route 13		
	BM check at Barishal City Corporation Bhaban.		
September 10, 2023	Ater Gauge installation at Bheduria ghat, route 21	S1A Consultant and Lot-3 representative	
September 11, 2023	Visit Patarhat ferry ghat, Mehendiganj Upazila route 16 for BM and Water Gauge installation with BM (SOB) check	S1A Consultant and Lot-3 representative	
	Visit Suknakhati, Ramdaspur, Mehendiganj Upazila route 15 and 16 for BM checking by RTK GPS.	S1A Consultant and Lot-3 representative	
	Visit Alubazar ferry ghat and Kodalpara, route 13 for BM installing.	S1A Consultant and Lot-3 representative	
September 14, 2023	Engineering Survey by Lead and arrangement of Dyke/Disposal Area at Bheduria to Sreepur, Route 21	S1A Consultant and Lot-3 representative	
September 16, 2023	Searching for new Dyke	S1A Consultant and Lot-3 representative	
September 17, 2023	Discussion meeting with land owner for selecting land as disposal area	Village: Bheduria, Upazila: Bhola. Route 21 of Lot-3	
	Hydrographic Survey at Laharhat-Bheduria, Route21	S1A Team and Lot-3 Contractors Surveyor	
September 18-19-20, 2023	Hydrographic Survey at Laharhat-Bheduria, Route21	S1A Team and Lot-3 Contractors Surveyor	Due to poor weather condition, work delayed
September 21, 2023	Observe the new Disposal area construction work.	S1A Team	
September 25, 2023	Received the documents of Dyke no 02 od route no 16, Patarhat, Mehendiganj	S1A Team	

2.1.5: Progress and Coordination Meetings of S1A Consultant:

Table 6: Interaction with Client/Contractors and other stakeholder (September 2023)

SN	Date	Venue	Meeting Agenda	Participants
1	11/09/23	Meeting Room S1A Office	Weekly Coordination Meeting	Lot-2 Contractors representatives and S1A Team
2	20/09/23	Conference Room, S1A office	Discussion for finding out the gaps for Expediting survey and dredging work of Lot-2 site	S1A Dredging team and Lot-2 Representatives
3	23/09/23	Meeting room Lot-2 Site Office	Coordination meeting on Environmental, Social and GRM aspects of BRWTP-1	WB BD, PIU and S1A Representatives

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

2.2.1 Development and Maintenance Dredging Works:

In September 2023, Lot-2 contractor dredged 621 m on Route 9 (Class III, length 80km, Titas River). From the month of March 2023 till September 2023, they have cumulatively dredged 2,169 m on Route 9. The Lot-2 contractor has mobilized a new dredger named Karnafuly-05 to expedite their dredging activities on Route 9.

The Lot-2 contractor was supposed to start their work on Route 7 & 8 as discussed in the coordination meeting with S1A, but no development has so far been observed in this regard. The status of dredging activity is given on the following:

Table 7: Updated Dredging Work at a glance in September 2023 of Lot 2

Seria 1 No.	Dredger Name	Time Period	Route No. 9 and Class	Place	Chainage	Least Available Depth	Cutting Length (m)	Cutting Volume
01.	Karnafuly-07	01 to 31 September	Class-III	Nilukhi	CH05+138 to CH05+505	1.9 m	126	7,604.07 m ³
02.	Karnafuly-03	01 to 31 September	Class-III	Akanagar	CH04+410 to CH04+536		367	16,819.8 5 m ³
03.	Karnafuly-05	01 to 31 September	Class-III	Imamnagar	CH03+696 to CH03+824		128	6,021.89 m ³

2.2.1.1 Information on Disposal Areas September 2023:

Dyke 09, 13, 17 & 18 of Route 9 has been used for the disposal of dredge material during this reporting period.

Disposal Point	District	Upazila	Village /Mouza	Qty (Ha)	Land Type	Chainage	Easting	Northing	Location w.r.t Stream	Present Status
R09-D9	Brahmanbaria	Bancharampur	Akanagar	0.9409	Private	4+330	280106	2637765	Right	76% filled
R09-D13	Brahmanbaria	Bancharampur	Akanagar	0.7729	Private	3+740	280080	2638220	Left	67% filled
R09-D17	Brahmanbaria	Nabinagar	Nilukhi	0.1664	Private	3+740	280631	2638214	Right	15% filled
R09-D18	Brahmanbaria	Bancharampur	Akanagor	1.0126	Private	5+100	280007	2637221	Right	35% filled

2.2.1.2 Navigational Aids:

The Lot-2 contractor has been asked to update the status of IALA buoys' procurement process. They are also requested to expedite the installation of required buoys along the dredge routes and report on the status of jobs in hand as the procurement process requires as substantial amount of time. In this regard, no activities have so far been reported from Lot-2.

2.2.2 Social and Resettlement Aspects:

2.2.2.1 Land Acquisition/Requisition/Good Faith Agreement/Charity

At present 16 agreements are on process. Most of the places people have willingly agreed to allow using 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-2 is illustrated in the following tables:

Table 8: Good Faith Agreements, Lot 2 (District: Brahmanbaria)

Dyke No.	Route No	Land Owner		Land			Good Faith Agreement
		Name and NID	Address	Description	Quantity (Decimal)	Quality of Land	
9	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
13	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
17	9	a) Babuk Mia NID:5546760314 b) Rakat Ali NID:9132515710 c) 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
18	9	Kader Miah NID: 1210488088731	Village:Akanagar Union: Tejkhali Upazila:Bancharampur District: Brahman Baria	Plot no. 2948/2149/2150/2151/2152, BS 650-JL no. 13, Mouja: Akanagar,	192	Agriculture land (One Crop)	Under processing

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

2.3.1 Development and Maintenance Dredging Works:

During the month Lot-3 contractor have not done any dredging due to the monsoon season as the LADs exist in the river, but they have monitored Route 16, 21 whether any dredging works are needed or not. Besides, the Lot-3 contractor have installed two new gauge stations on Route 16 and Route 21 and also Bench Mark have been installed on Route 13, 15, 16 and 21.

2.2.1.1 Navigational Aids:

The Lot-3 contractor has been asked to update the status of IALA buoys' procurement process. They are also requested to expedite the installation of required buoys along the dredge routes and report on the status of jobs in hand as the procurement process requires as substantial amount of time. In this regard, no activities have so far been reported from Lot-3.

2.3.2 Social and Resettlement Aspects:

At present 7 agreements are on process. Most of the places people have willingly agreed to allow using 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.

No dyke locations have been selected during this reporting period, as there was no dredging activities.

2.4 Financial Progress:

In the month of September 2023 there is no financial progress; no money has been disbursed during this reporting period.

SL No	Particulars	Contract Amount (BDT) (Including AIT & VAT)	Payment (BDT) Disbursed in Sep 2023 (Including AIT & VAT)	Percent Disbursed in Sep 2023
1	Consultant JPZ-DEMAS-JCL JV	822,929,696.00	0.00	0%
2	Contractor (Lot-02)	1,542,135,164.00	0.00	0%
3	Contractor (Lot-03)	2,756,597,584.00	0.00	0%

The financial status up to June 2023:

SL No	Particulars	Contract Amount (BDT) (Including AIT & VAT)	Payment (BDT) (Including AIT & VAT)	Percent Disbursed
1	Consultant JPZ-DEMAS-JCL JV	822,929,696.00	137,294,354.00	16.68%
2	Contractor (Lot-02)	1,542,135,164.00	123,564,909.21	8%
3	Contractor (Lot-03)	2,756,597,584.00	579,059,247.00	21%

Note: There is no financial progress after June 2023 till September 2023.

CHAPTER 03:

ACHIEVEMENT OF LAST MONTH PLAN AND NEXT MONTH PLAN

3.1 Achievement on Last Month Plan:

- **S1A**
 - a) Completed Routine Survey on Route 7 & 8
 - b) Conducted Supervision and Monitoring of Dredging activities on Route 9 of Lot-2, related ESHS and GRM activities of Lot-2 and Lot-3
- **Lot-2**
 - a) Completed 2,169 m of dredging of 20 km on Route 9, which is 10% dredging progress on Route 9.
 - b) Related Environmental, Social and GRM Activities have been conducted.
- **Lot-3**
 - a) Benchmarks have been established on 13, 15 & 16, 17 and 21.
 - b) Gauge Stations have been established on Route 16 and 21.
 - c) Related Environmental, Social and GRM Activities have been conducted.

3.2 Next Month Plan:

- **S1A**
 - a) Routine Survey on Route 3 & 4, 10
 - b) Supervision and Monitoring of Dredging activities, ESHS and GRM activities of Lot-2 and Lot-3 as mentioned below.
 - c) Expediting navigational aid installation work plan from the Lot-2 and Lot-3 contractors.
 - **Lot-2**
 - a) Carrying out all hydro and topographic survey for Route 3 & 4, 6, 7 & 8, 9, 10 and 11.
 - b) Checking and establishment of horizontal and vertical control points, installation of water level gauging stations, data processing, analysis, fixation of dredging alignment, channel design and volume calculation.
 - c) Dredging work on Route 9, 7 & 8
 - d) Related Environmental, Social and GRM Activities
 - **Lot-3**
 - a) Carrying out all hydro and topographic survey for Route 12, 13 & 13a, 15 & 16, 17 and 21.
 - b) Checking and establishment of horizontal and vertical control points, data processing, analysis, fixation of dredging alignment, channel design and volume calculation.
 - c) Dredging work on Route 21, 16 & 13
 - d) Related Environmental, Social and GRM Activities.
-

CHAPTER 04: CONCLUSION AND/OR RECOMMENDATIONS

The Lot-2 contractors dredging activities is falling far behind the schedule. Out of 6 routes they have started working on 1 route which is Route 9. The hydrographic and topographic survey progress is at the beginning level. They surveyed only 8 km out of 317 km for all the routes. The Phase-I (First 18 months) will end on May 5, 2024. The Lot-2 contractor need to submit their work plan immediately addressing their remaining work within the stipulated time of Phase-I.

Both the Lot-2 and Lot-3 contractors need to expedite the installation of navigational aids so that they complete the work by the end of Phase-I (May 5, 2024).

Lastly, the Lot-2 and Lot-3 contractors need to assess the dredged volume for all routes based on their survey.

CHAPTER 05: ANNEXURE

ANNEX 01: Project location and River Boundary

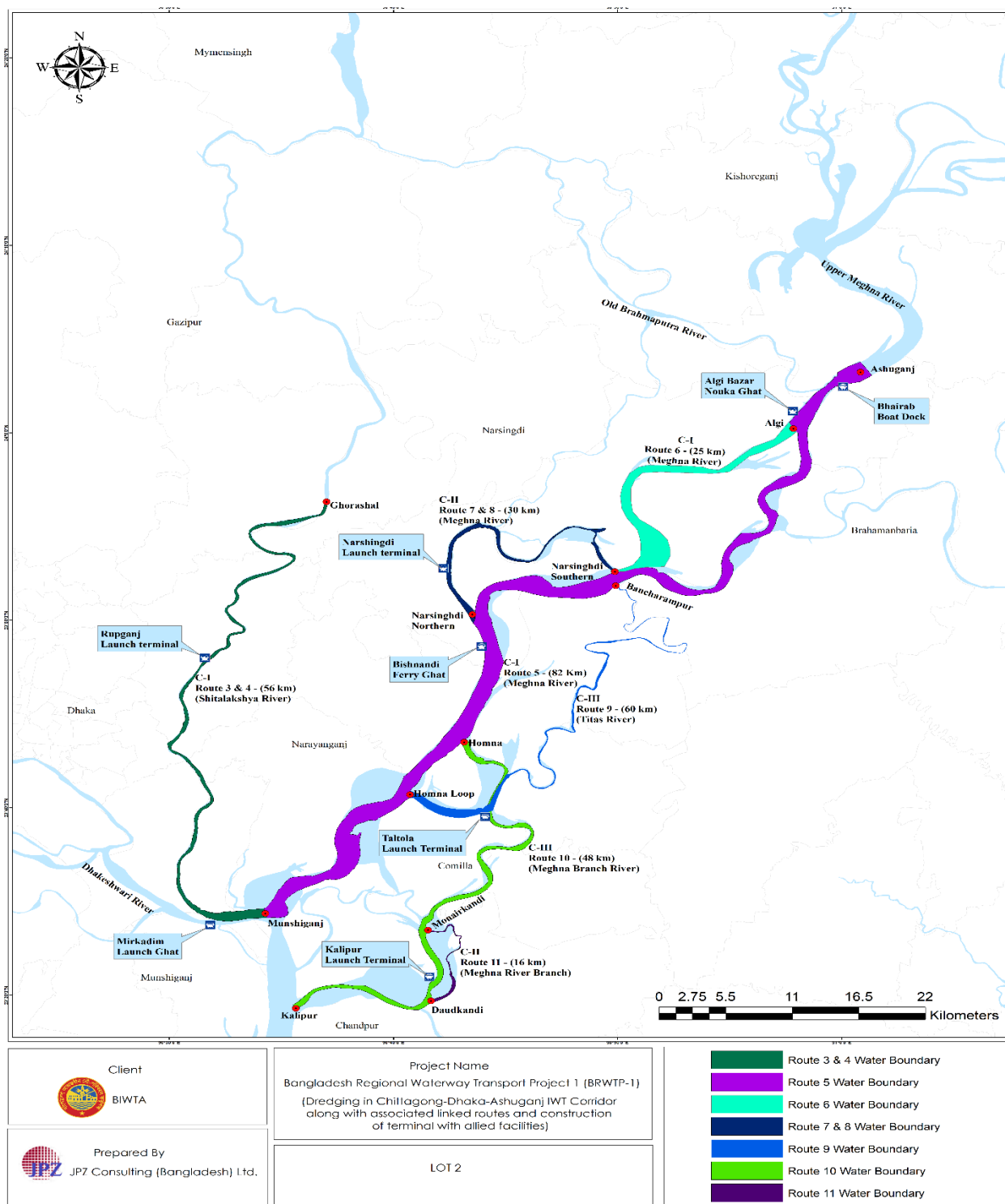


Figure 1: Project Location (with route) of BRWTP-1 Project, LOT-2

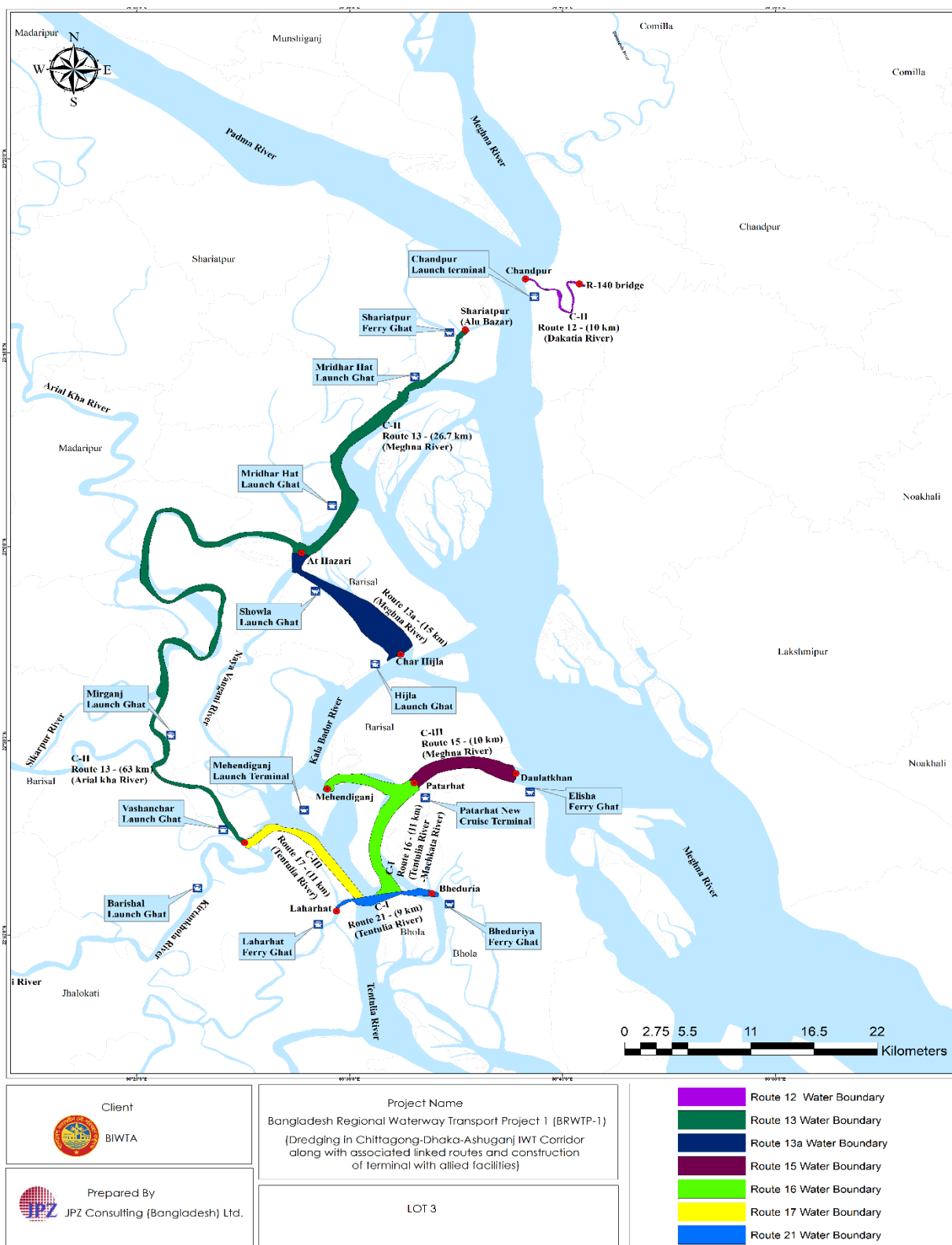


Figure 2: Project Location (with route) of BRWTP-1 Project, LOT-3

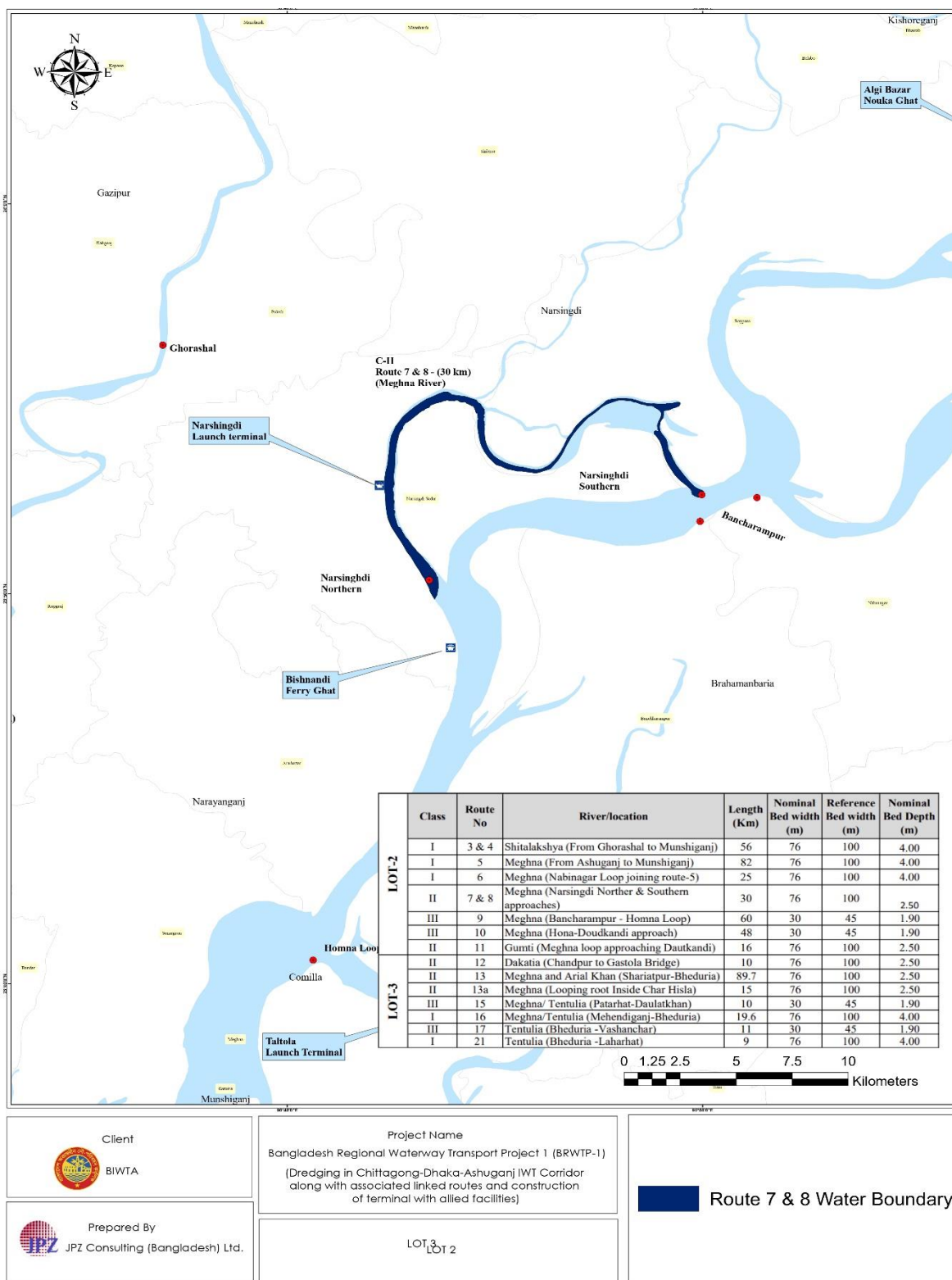


Figure 3: Route 7 & 8 Water Boundary

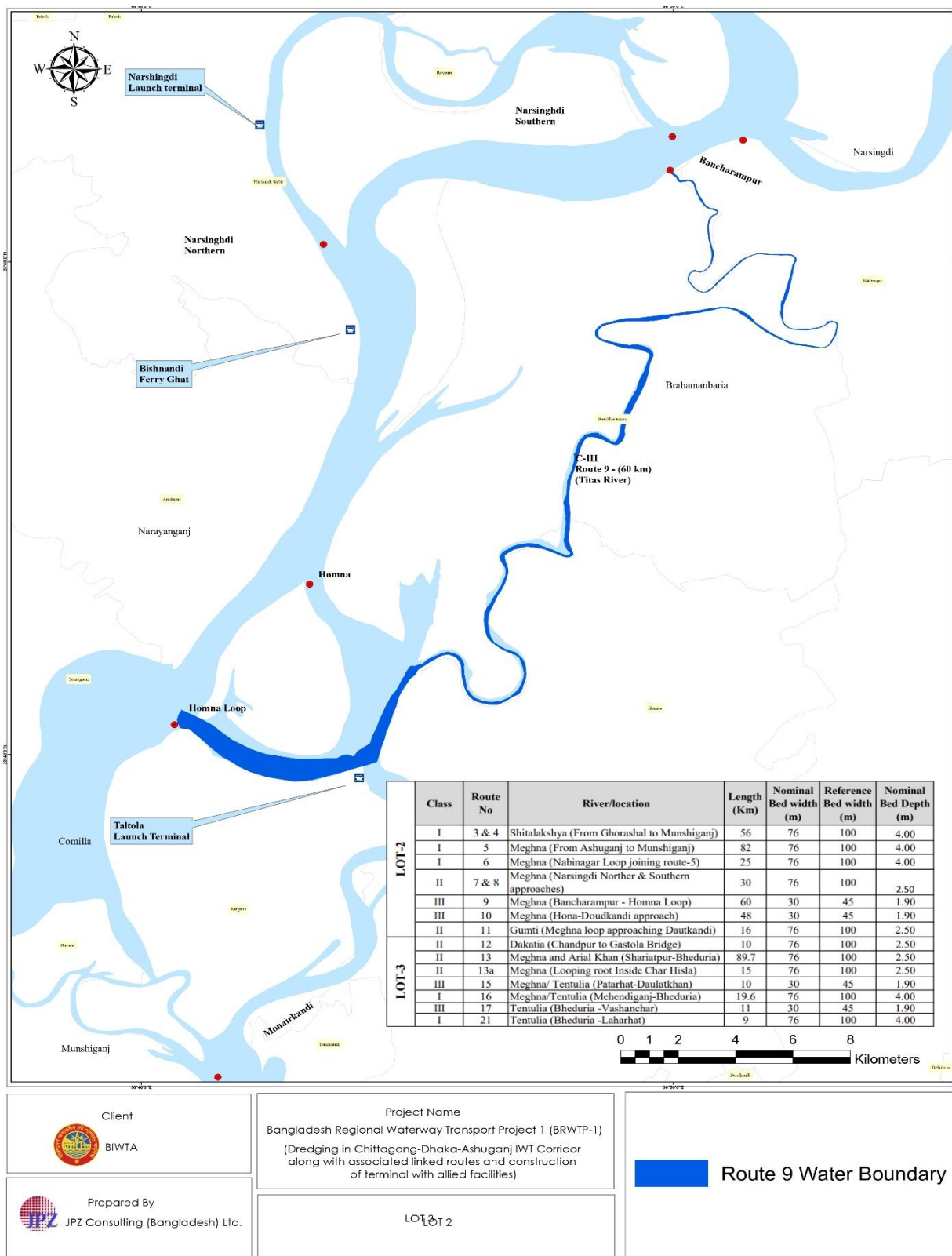


Figure 4: Route 9 Water Boundary

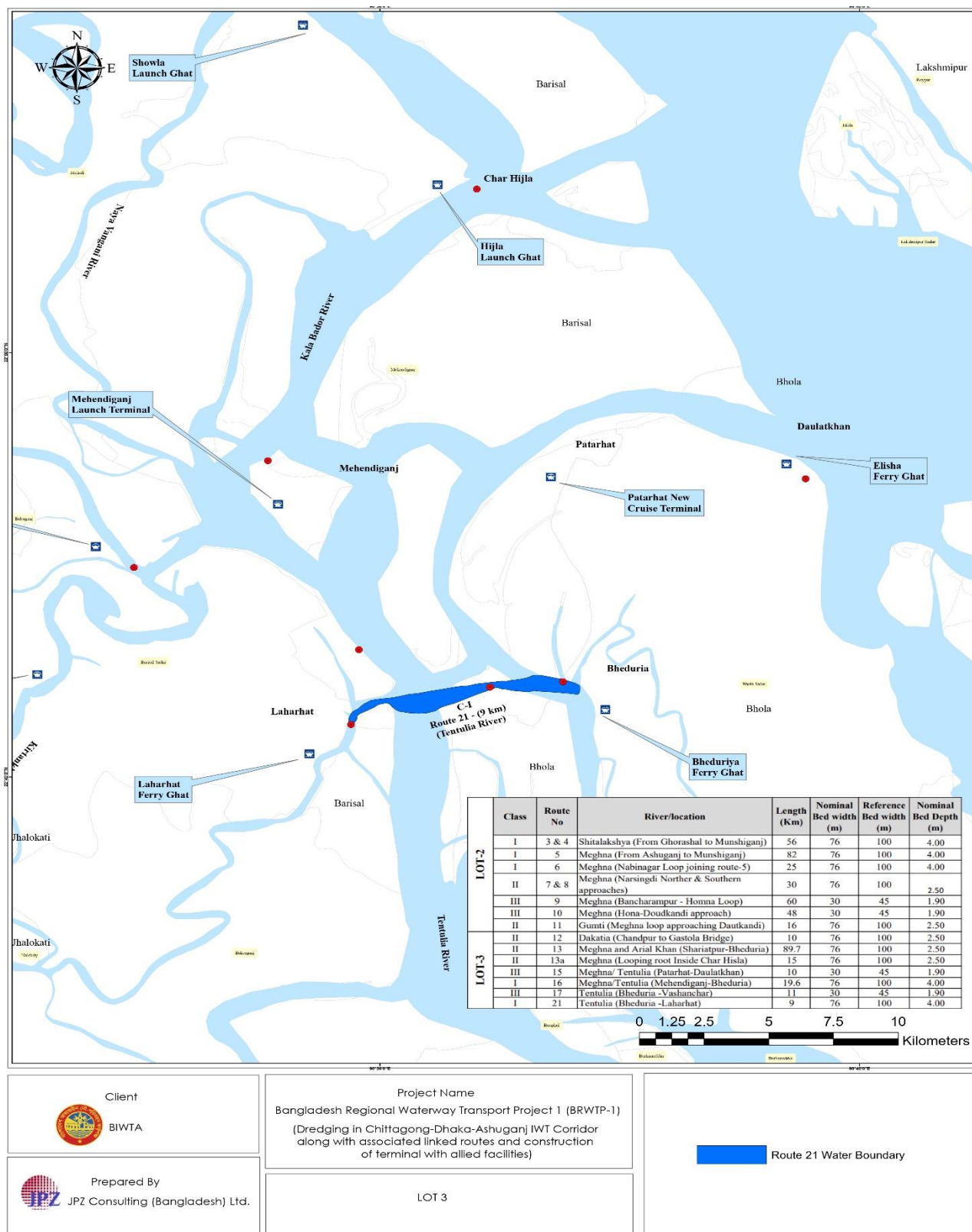


Figure 6: Route 21 Water Boundary

ANNEX 02:

Field Visit, Survey and Meeting Photos, September 2023



Figure 8: Field visit of WB (Safeguard and Environment) Lot-2 site



Figure 7: Progress Meeting with Lot-2 at S1A Project



Figure 9: FGD on Good Faith Agreement with the Locals



Figure 10: Grievance Boxes on Lot-2 and Lot-3

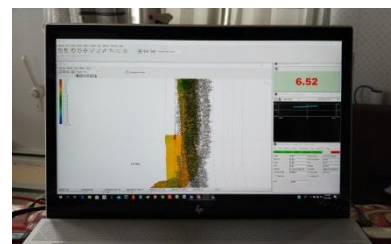


Figure 11: Monitoring Survey on Lot-2 and Lot-3

ANNEX 03:

Checklists of September 2023

Checklist Items		Dredging Activity			Comments/Compliance
		Daily	Monthly	When and As Required	
1	Gauge reading & Water level (WL)	<input type="radio"/>	<input type="radio"/>	√	
2	Connectivity with BM & TBM	<input type="radio"/>	<input type="radio"/>	√	
3	Study Hydrographic Chart	<input type="radio"/>	<input type="radio"/>	√	
4	Fixing Cutting Depth respect to existing WL as per design depth	<input type="radio"/>	<input type="radio"/>	√	
5	Checking Dredging Alignment	<input type="radio"/>	<input type="radio"/>	√	
6	Checking Dredged Activities as below;				
a	Dredging Hours	<input type="radio"/>	√	<input type="radio"/>	No Dredging activity for the month of September, 2023
b	Cutting Length	<input type="radio"/>	√	<input type="radio"/>	No Dredging activity for the month of September, 2023
c	Cutting Depth	<input type="radio"/>	√	<input type="radio"/>	No Dredging activity for the month of September, 2023
d	Cutting Width	<input type="radio"/>	√	<input type="radio"/>	No Dredging activity for the month of September, 2023
e	Dredged Volume	<input type="radio"/>	√	<input type="radio"/>	No Dredging activity for the month of September, 2023
7	Supervising Dredged Material Disposal Area whether the Dykes are designed as per Design	<input type="radio"/>	<input type="radio"/>	√	
8	Supervising Dredged Material Disposal Area whether the Dykes are capable to resist the pressure of disposed materials	<input type="radio"/>	<input type="radio"/>	√	
9	Checking outlet of the compartment	<input type="radio"/>	<input type="radio"/>	√	
10	Check whether the dykes are being constructed at safe distance from river bank			√	
11	Check construction of the pipe line whether there is any leakage in the Joints of Floating Pipe/Shore pipe lines	<input type="radio"/>	<input type="radio"/>	√	
12	Check whether dredging work exacting Keeping Safety distance of River side installations like Road/houses/buiding.	<input type="radio"/>	<input type="radio"/>	√	
13	Check Survey Activities	<input type="radio"/>	<input type="radio"/>	√	1. Land Survey or new BM and new Water gauge installation done on dated from 10.09.2023 to 11.09.2023 for lot 3 Route number 13, 13a, 15, 16 & 21 2. Hydrographic Pre survey work done on dated from 17.09.2023 to 18.09.2023 for Route 21_lot 3

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

Factors	Checklist Items		Dredging Activity			Comments/Compliance
			Daily	Monthly	Quarterly	
1. Permits and Explanation	1	EIA and Environmental Permits	○	○	√	
	2	Explanation to the Local Stakeholders	○	○	√	
	3	Signboards, Notice Boards	○	○	√	
2. Physical Environmental Parameters Monitoring	1	Air Quality	○	○	√	
	2	Surface Water Quality	○	○	√	
	3	Solid Wastes	○	○	√	
	4	Liquid Wastes	○	○	√	
	5	Soil Contamination	○	○	√	
	6	Noise and Vibration	○	○	√	
	7	Underwater Noise	○	○	√	
	8	Odor	○	○	√	
	9	Riverbed Sediment	○	○	√	
	10	Groundwater	○	○	√	
3. Natural Environment	1	Protected Areas	○	○	√	
	2	Habitat Type	○	○	√	
	3	Hydrology	○	○	√	
	4	Topography and Geology	○	○	√	
	5	Dolphin Observation	○	○	√	
	6	Fish Catch Examination	○	○	√	
	7	Flora (Aquatic & Terrestrial)	○	○	√	
	8	Benthos (Micro & Macro)	○	○	√	
	9	Phyto- & Zoo-planktons	○	○	√	
4. Social Environment	1	Resettlement	○	○	√	
	2	Living and Livelihood	○	○	√	
	3	Heritage	○	○	√	
	4	Landscape	○	○	√	
	5	Ethnic Minorities and Indigenous Peoples	○	○	√	
5. Occupational Health Safety	1	Work Permit/Contract	○	○	√	
	2	Daily Toolbox Meeting - OHS	○	○	√	
	3	Working Conditions			√	
	4	Impact/Precaution during Dredging	○	○	√	
	5	Accident Prevention Measures	○	○	√	
	6	Working Condition	○	○	√	
	7	Accommodation	○	○	√	
	8	Personal Protection Equipment	○	○	√	
	9	Drinking Water	○	○	√	
	10	Sanitary Condition	○	○	√	
6. Dredged Material Disposal Area	1	Agreement with Land Owner	○	○	√	
	2	Land Use Type	○	○	√	
	3	Dyke Design Approval	○	○	√	
	4	Dyke Setback Distance	○	√	○	No Dredging activity for the month of September, 2023
	5	Disposal Area Dyke Height	○	√	○	No Dredging activity for the month of September, 2023
	6	Dyke Strengthened/Material Used*	○	√	○	No Dredging activity for the month of September, 2023
7. Dredger	1	Carbon Emission	○	√	○	No Dredging activity for the month of September, 2023
	2	Leakage	○	√	○	No Dredging activity for the month of September, 2023
	3	Oil Spill	○	√	○	No Dredging activity for the month of September, 2023
	4	Onboard Waste Management	○	√	○	No Dredging activity for the month of September, 2023
	5	Noise and Vibration	○	√	○	No Dredging activity for the month of September, 2023

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 nos.	Factors	Checklist Items	Dredging Activity			Comments/Compliance
			Daily	Monthly	Quarterly	
1	Legal and Regulatory Compliance	1 GRM clearly communicated to all stakeholders.	○	○	✓	
		2 Contact details for lodging grievance easily accessible.	○	○	✓	
2	Community Engagement	1 Consultations been conducted with local communities, dredging contractors to gather their input on the GRM design.	○	○	✓	
		2 The preferences and cultural sensitivities of the affected communities taken into consideration.	○	○	✓	
3	Clear Grievance Channels	1 The multiple accessible channels available for stakeholders to submit grievances. (e.g., toll-free hotline, online platform , drop box, post, landline/mobile phone and e-mail).	○	○	✓	
		2 Information about these channels clearly communicated to all stakeholders in local languages.	○	○	✓	
4	Processing of GFA (Good Faith Agreement)	1 Dyke/Land selection survey.	○	✓	○	
		2 Opinion meeting with land owner along with inform to the contractor and S1A team for justifying land as dyke.	○	✓	○	
		3 Documentation collection.	○	✓	○	
		4 Preparation of GFA collection.	○	✓	○	
		5 Arrange contract/signing meeting & will be submitted to S1A H/O.	○	○	✓	
		6 Send the all documents to the PIU for approval.	○	○	✓	
5	Constitution of GRM Committee	1 Preparation of GRM Committee Constitution.	○	○	✓	
6	Establish a Complain Box	1 Nos. of Feedback, concerned, suggestions and complain letters.	○	○	✓	Not observed in site
7	Establish a Bill board	1 The size (5/15) of Bill board will according the BOQ	○	○	✓	only 1 nos. sign board found at route 16(Patarhat launch ghat)
		2 Name, Mobile number and email of the focal person will be included in the Bill board.	○	○	✓	Not observed in site
8	Three tiers of the GRM Committee will be formed	1 Local level [In a five (5) members committee meeting Three (3) members participation will be the quorum]	○	○	✓	
		2 Port level [In a five (5) members committee meeting Three (3) members participation will be the quorum]	○	○	✓	
		3 Project level [In a five (3) members committee meeting Three (3) members participation will be the quorum]	○	○	✓	
9	Capacity Building	1 Project staffs and local institutions have received training on the grievance redress mechanism and its operation.	○	○	✓	
		2 There is an effort to enhance the capacity of stakeholders to engage effectively in the process.	○	○	✓	
10	Leaflet/ Brochure	1 Leaflet/ Brochure will be published for dissemination . The leaflets should be available in the website of BIWTA and the S1A website.	○	○	✓	
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)	○	✓	○	
12	Language and Accessibility	1 Grievance-related materials and communications provided in languages understood by the affected communities	○	○	✓	
		2 Provisions in place to accommodate the needs of differently abled individuals.	○	○	✓	
13	Budget and Resources	1 Allocate resources, including budget and personnel, to support the implementation of the GRM	○	○	✓	
		2 Ensure that the resources are sufficient to handle various types and volumes of grievances.	○	○	✓	
14	Social Consultation	1 Local Community	○	✓	○	
		2 Land Owner	○	✓	○	
		3 Local Government Authority	○	○	✓	
15	Gender-Based Violence (GBV)	1 Sex Violence by an intimate partner	○	○	✓	None of these has been observed in this month
		2 Sexual assault	○	○	✓	
		3 Sexual violence by a non-peer	○	○	✓	
		4 Child sexual abuse	○	○	✓	
		5 Child & forced marriage	○	○	✓	
		6 Sexual exploitation & abuse	○	○	✓	
		7 Child & forced marriage	○	○	✓	
		8 Sexual exploitation & abuse	○	○	✓	
		9 Sexual harassment	○	○	✓	

Checklist Items		Dredging Activity			Comments/Compliance
		Daily	Monthly	When and As Required	
1	Gauge reading & Water level (WL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Average water level is 2.563 m
2	Connectivity with BM & TBM	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Narsingdi Northern and Southern approach Route 07 and 08
3	Study Hydrographic Chart	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4	Fixing Cutting Depth respect to existing WL as per design depth	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Average cutting depth is 1.963 m
5	Checking Dredging Alignment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6	Checking Dredged Activities as below;				
	a Dredging Hours	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	b Cutting Length	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Total cutting length 2,169 m
	c Cutting Depth	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Average cutting depth is 1.963 m
	d Cutting Width	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	30 m
	e Dredged Volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Total volume 1,01,809.017 m3
7	Supervising Dredged Material Disposal Area whether the Dykes are designed as per Design	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8	Supervising Dredged Material Disposal Area whether the Dykes are capable to resist the pressure of disposed materials	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9	Checking outlet of the compartment	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10	Check whether the dykes are being constructed at safe distance from river bank	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11	Check construction of the pipe line whether there is any leakage in the Joints of Floating Pipe/Shore pipe lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12	Check whether dredging work exacting Keeping Safety distance of River side installations like	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13	Check Survey Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Monitoring survey by BIWTA dated 19.09.2023 to 27.09.2023

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

Factors	Checklist Items		Dredging Activity			Comments/Compliance
			Daily	Monthly	Quarterly	
1. Permits and Explanation	1	EIA and Environmental Permits	○	○	○	
	2	Explanation to the Local Stakeholders	○	○	○	
	3	Signboards, Notice Boards	○	○	○	
2. Physical Environmental Parameters Monitoring	1	Air Quality	○	○ <input checked="" type="checkbox"/>	○	Supervised in 15 September at solimgonj site.
	2	Surface Water Quality	○	○ <input checked="" type="checkbox"/>	○	Supervised in 15 September at solimgonj site.
	3	Solid Wastes	○	○	○	
	4	Liquid Wastes	○	○	○	
	5	Soil Contamination	○	○	○	
	6	Noise and Vibration	○	○ <input checked="" type="checkbox"/>	○	Supervised in 15 September at solimgonj site.
	7	Underwater Noise	○	○ <input checked="" type="checkbox"/>	○	Supervised in 15 September at solimgonj site.
	8	Odor	○	○	○	
	9	Riverbed Sediment	○	○ <input checked="" type="checkbox"/>	○	Supervised in 15 September at solimgonj site.
	10	Groundwater	○	○	○	
3. Natural Environment	1	Protected Areas	○	○	○	
	2	Habitat Type	○	○	○	
	3	Hydrology	○	○	○	
	4	Topography and Geology	○	○	○	
	5	Dolphin Observation	○	○	○	
	6	Fish Catch Examination	○	○	○	
	7	Flora (Aquatic & Terrestrial)	○	○	○	
	8	Benthos (Micro & Macro)	○	○	○	
	9	Phyto- & Zoo-planktons	○	○	○	
4. Social Environment	1	Resettlement	○	○	○	
	2	Living and Livelihood	○	○	○	
	3	Heritage	○	○	○	
	4	Landscape	○	○	○	
	5	Ethnic Minorities and Indigenous Peoples	○	○	○	
5. Occupational Health Safety	1	Work Permit/Contract	○	○	○	
	2	Daily Toolbox Meeting - OHS	○	○	○	
	3	Working Conditions				
	4	Impact/Precaution during Dredging	○	○	○	
	5	Accident Prevention Measures	○	○	○	
	6	Working Condition	○	○	○	
	7	Accommodation	○	○	○	
	8	Personal Protection Equipment	○	○	○	
	9	Drinking Water	○	○	○	
	10	Sanitary Condition	○	○	○	
6. Dredged Material Disposal Area	1	Agreement with Land Owner	○	○	○	
	2	Land Use Type	○	○	○	
	3	Dyke Design Approval	○	○	○	
	4	Dyke Setback Distance	○	○	○	
	5	Disposal Area Dyke Height	○	○	○	
	6	Dyke Strengthened/Material Used*	○	○	○	
7. Dredger	1	Carbon Emission	○	○	○	
	2	Leakage	○	○	○	
	3	Oil Spill	○	○	○	
	4	Onboard Waste Management	○	○	○	
	5	Noise and Vibration	○	○	○	

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 nos.	Factors	Checklist Items		Dredging Activity			Comments/Compliance
				Daily	Monthly	Quarterly	
1	Legal and Regulatory Compliance	1	GRM clearly communicated to all stakeholders.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	There are a GRM committee with 5 persons here.
		2	Contact details for lodging grievance easily accessible.	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	
		3	The mechanism align with World Bank's social and environmental safeguard policies.	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	There are available safeguard here. Monitoring and evaluation is available in monthly.
2	Community Engagement	1	Information about the river dredging project, its purpose and potential impacts readily available.	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	
		2	Consultations been conducted with local communities, dredging contractors to gather their input on the GRM design.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	
		3	The preferences and cultural sensitivities of the affected communities taken into consideration.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	
3	Clear Grievance Channels	1	The multiple accessible channels available for stakeholders to submit grievances. (e.g., toll-free hotline, local offices, online platform).	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	
		2	Information about these channels clearly communicated to all stakeholders in local languages.	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	
4	Processing of GFA (Good Faith Agreement)	1	Dyke/Land selection survey	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	Survey in every week.
		2	Opinion meeting with land owner along with inform to the contractor and SIA team for justifying land as dyke.	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	Survey in 15 days a month.
		3	Documentation collection.	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	Collection the document 15 days a month.
		4	Preparation of GFA collection	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	
		5	Arrange contract/signing meeting & will be submitted to SIA H/O	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	
		6	Send the all documents to the PIU for approval.	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	
5	Constitution of GRM Committee	1	Preparation of GRM Committee Constitution	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	
6	Establish a Complain Box	1	Nos. of Feedback, concerned, suggestions and complain letters.	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	There are 3 complain box in site. One box is in office, one box in houseboat and another is open road site.
7	Establish a Signboard	1	The size (5/15) of signboard will according the BOQ	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	There is a signboard in front of office.
		2	Name, Mobile number and email of the focal person will be included in the signboard.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	There is a signboard in site beside (5/15) signboard.
8	Three tiers of the GRM Committee will be formed	1	Local level [In a five (5) members committee meeting Three (3) members participation will be the quorum]	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	
		2	Port level [In a five (5) members committee meeting Three (3) members participation will be the quorum]	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	
		3	Project level [In a five (5) members committee meeting Three (3) members participation will be the quorum]	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	
7	Capacity Building	1	Project staffs and local institutions have received training on the grievance redress mechanism and its operation.	<input type="radio"/>	ON/A	<input type="radio"/>	
		2	There is an effort to enhance the capacity of stakeholders to engage effectively in the process.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	
8	Leaflet/ Brochure	1	Leaflet/ Brochure will be published for dissemination. The leaflets should be available in the website of BIWTA and the SIA website.	<input type="radio"/>	<input type="radio"/>	ON/A	There is no liftat in the site.
9	Monitoring and Reporting	1	The regular reports generated to document the number, nature, and resolution of grievances.	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	
10	Language and Accessibility	1	Grievance-related materials and communications provided in languages understood by the affected communities.	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	
		2	Provisions in place to accommodate the needs of differently abled individuals.	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	
11	Budget and Resources	1	Allocate resources, including budget and personnel, to support the implementation of the GRM	<input type="radio"/>	<input type="radio"/>	ON/A	There are no support available here.
		2	Ensure that the resources are sufficient to handle various types and volumes of grievances.	<input type="radio"/>	<input type="radio"/>	ON/A	
12	Social Consultation	1	Local Community	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	
		2	Land Owner	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	<input type="radio"/>	in every week twice or three times.
		3	Local Government Authority	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/> <input type="checkbox"/>	