269000 269500 270000 270500 271000

90°44'0"E 90°45'0"E

2621000 2620500 2620000 2619500 2619000 2618500 2618000 2617500 2617000

23°41'0"N 23°40'0"N

41+800 41+600 41+400 41+200 41+000 40+800 40+600 40+400 40+200 40+000 39+800 39+600 39+400 39+200 39+000 38+800 38+600 38+400 38+200 38+000

Route 10 **SHEET NO: 11**
Class II **2025**

Contact No. BRWTP-W1A-02

Gumati (Meghna Loop Approaching Daudkandi)

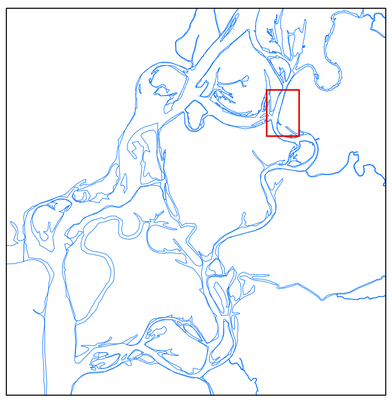
Sounded on: May 14, 2025 to May 16, 2025

Surveyed by: JPZ-DEMAS-JCL JV

Soundings in Meters are Reduced to Average LLW of 3 (three) years (2021 -2023) considering the BIWTA Gauge at Satnol whose information is given below:

Gauge Station	Location		Height of BM w.r.t MSL Datum	Year	LLW w.r.t MSL Datum	Average LLW w.r.t MSL Datum
	LAT	LONG				
Satnol	23°29'30.49"	90°37'18.71"	5.285 m	2021	(-) 0.19 m	(-) 0.44 m
				2022	(-) 0.26 m	
				2023	(-) 0.88 m	

Monitoring Survey



Bottom Width 76 m

Scale 1:3,000

0 0.15 0.3 0.6 km

N W E S

Coordinate System: WGS 1984 UTM Zone 46N
Projection: Transverse Mercator
Datum: WGS 1984
False Easting: 500,000.0000
False Northing: 0.0000
Central Meridian: 93.0000
Scale Factor: 0.9996
Latitude Of Origin: 0.0000
Units: Meter

BM/TBM List (Route - 11)

Sl No.	ID	Easting	Northing	RL (m MSL)
1	GPS 3479	266500.628	2604872.722	6.030
2	Satnol	257128.971	2599973.976	5.285
3	Daudkandi	266686.007	2605173.956	6.168

Dredging Parameters

Width of Cut	Top width = 100 m
	Bottom width = 76 m
Slope	1H : 4V
Cutting Depth under LLW	2.5 m (Nominal Bed Level)
	2.9 m (With tolerance and allowance)
Tolarance	0.30 m
Meteorological Allowance	0.10 m
Average Lowest Low Water (LLW)	(-) 0.44 m MSL
Reduction Level	1.50 m

Hydrographer/ Mapping Specialist	Project Manager/ Engineer
Consultant S1A	Consultant S1A
BRWTP-1	BRWTP-1