NOTES

1. TECHNICAL SPECIFICATIONS FOR CLIMATE-PROJECT SHALL BE FOLLOWED.
2. ALL DIMENSIONS ARE IN MILLIMETERS AND ALL ELEVATIONS ARE IN CORRECTED mPWD UNLESS OTHERWISE MENTIONED IN THE DRAWINGS.
3. COMPRESSIVE STRENGTH OF REINFORCED CEMENT CONCRETE SHALL HAVE MINIMUM 28 DAYS CYLINDER STRENGTH, fc k22.00N/mm' AND SHALL BE CHECKED BY COLLECTING SAMPLES AND TESTING DURING CONSTRUCTION.
4. REINFORCING BAR SHALL BE DEFORMED MILD STEEL HAVING YIELD STRENGTH, fy 400 N/ mm2
5. CONCRETE FOR CC BLOCKS SHALL HAVE MINIMUM STRENGTH, f'c 12 N/mm2 AT 28 DAYS.
6. CURING OF CONCRETE SHALL BE CONTINUED FOR MINIMUM 21 DAYS AFTER CASTING.
7. CONCRETE SHALL BE POURED IN DRY BED CONDITION.
8. THE SURFACE OF CONSTRUCTION JOINTS SHALL BE WASHED THOROUGHLY WITH WATER JET & SHALL BE CLEAN ENOUGH. SURFACE SHALL BE DRY PRIOR TO PLACEMENT OF ADJOINING CONCRETE.
9. CONCRETE MIXTURE SHALL BE POURED AS SOON AS POSSIBLE BUT NOT LATER THAN 45 MINUTES AFTER MIXING.
10. THE 75 mm LEAN CONCRETE AT BASE SHALL BE IN 1:3:6.
11. THE LEAN CONCRETE AT FOUNDATION OF THE PROPOSED SLUICE SHALL BE PLACED AFTER PROPERLY PREPARING & COMPACTING EXCAVATED BASE.
12. CLEAR COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:
    Wall and floor slab: 75mm (both face), Operation deck slab: 40mm, Railing: 25mm
13. MINIMUM LAP LENGTH SHALL BE 40 TIMES THE BAR DIAMETER.
14. MINIMUM 150 mm SAND SHALL BE PLACED ON COMPACTED EXCAVATED BASE, IF NO FOUNDATION TREATMENT IS SUGGESTED.
15. SAND FILLING IF ANY REQUIRED IN FOUNDATION SHOULD BE DONE WITH SAND OF F.M≥ 1.50 IN LAYERS OF 150 mm AND COMPACTED TO ATTAIN MINIMUM 50% RELATIVE DENSITY.
16. BACK FILLING SHOULD BE DONE WITH AVAILABLE LOCAL SAND FM≥ 0.80.
17. GEOTEXTILE FILTER THICKNESS SHALL BE ≥ 3mm UNDER 2KPa PRESSURE.
18. BM ESTABLISHED UNDER CEIP-2 SHOULD BE USED AS REFERENCE FOR SURVEY DURING EXECUTION OF WORK.
19. ALL DRAWINGS WILL HAVE BEEN PREPARED BASED ON THE DESIGN COMPUTATIONS.
20. THE EMBEDDED PARTS OF GATE TO BE INSTALLED DURING CONSTRUCTION OF BOX SHALL BE DONE IN ACCORDANCE WITH APPROVED MECHANICAL DRAWING
21. U TYPE HOT ROLLED STEEL SHEET PILE SHALL BE USED.

SIZE AND WEIGHT

a. MINIMUM WIDTH = 400mm.
b. HEIGHT > 100mm, THICKNESS =10.5mm (±0.50mm)
c. WEIGHT > KG/m^2.

CHEMICAL PROPERTIES

a. PHOSPHORUS 0.04 % (maximum)
b. SULPHUR = 0.04 % (maximum)

MECHANICAL PROPERTIES

a. TENSILE STRENGTH > 490 N/mm2
b. YIELD STRENGTH 295 N/mm2.
c. ELONGATION = 17 % (MINIMUM).

22. SHEET PILE MUST BE ANCHORED PROPERLY AND TOP OF E_VERY CONNECTIVE SHEET PILE MUST HAVE TACK WELDING.
23. THE GATE SHALL BE INSTALLED BEFORE THE OPERATION OF THE STRUCTURE.
24. ANY ERROR/OMISSION IF DETECTED SHALL BE REFERRED TO THE CONCERNED DESIGN OFFICE THROUGH CEIP-2 CONSULTANTS FOR TAKING NECESSARY ACTION.
25. DIVERSION CANAL MUST BE EXCAVATED AS PER DRAWING

GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH
MINISTRY OF WATER RESOURCES
BANGLADESH WATER DEVELOPMENT BOARD

CONSULTANCY SERVICES FOR FEASIBILITY STUDIES AND PREPARATION OF DETAILED DESIGN FOR THE COSTAL LIVELIHOOD IMPROVEMENT AND ADAPTATION ENHANCEMENT PROJECT (CLIMATE) (CONTRACT NO: CEIP-1/D3/S23)

DETAILED DESIGN OF DS-2 (CHANDPUR-1) (2V- 1.50M X 1.80M) AT CH. 12+140
KM IN POLDER 7/1 UNDER CLIMATE PROJECT, BWDB, DISTRICT-SATKHIRA.

BANGLADESH WATER DEVELOPMENT BOARD			GENERAL NOTES			
DESIGN CIRCLE-8						
CHECKED BY:	REVIEWED BY:	APPROVED BY:	DESIGNED BY:	CHECKED BY:	REVIEWED BY:	CHECKED & RECOMMENDED BY:
ASSISTANT ENGINEER	EXECUTIVE ENGINEER	SUPERINTENDING ENGINEER	ANANTA KUMAR DAS DESIGN ENGINEER	MD. MOZAMMEL HOSSAIN Sr. DESIGN ENGINEER	MD. MOHAMMAD ALI DEPUTY TEAM LEADER	JEAN HENRY LABOYRIE TEAM LEADER
			DRG NO: 5 OF 21	DRAWN BY: KISUARA SULTANA DALIA		DATE: 14-02-2023
			CONSULTANT:			