

**GENERAL NOTES FOR STAIR, R.C.C U-DRAIN & NAME PLATE :**

1. THE SPECIFICATION OF MATERIALS & WORKMANSHIP SHALL CONFORM TO THE STANDARD TECHNICAL SPECIFICATION OF BWDB IN GENERAL.

2. THE FOLLOWING SPECIFICATION OF MATERIALS & WORKS SHALL BE FOLLOWED:

- a. CONCRETE STRENGTH (CYLINDER TEST) IN R.C.C WORKS : 22 N/mm<sup>2</sup>  
BLINDING LAYER CONCRETE (LEAN CONCRETE) : 1:3:6
- b. YIELD STRENGTH OF REINF. BAR (DEFORMED BAR) : 400 N/mm<sup>2</sup>
- c. CLEAR COVER FOR R.C.C WORK : 65mm (unless otherwise mentioned in the drawing)
- 3. CONCRETE SHALL BE POURED IN DRY BED CONDITIONS.
- 4. CONCRETE MIXTURE SHALL BE POURED AS QUICK AS POSSIBLE BUT NOT LATER THAN 45 MINUTES AFTER MIXING.
- 5. THE SURFACE OF CONSTRUCTION JOINTS SHALL BE WASHED THOROUGHLY WITH WATER JET & SHALL BE CLEAN ENOUGH. SURFACE SHALL BE KEPT DRY PRIOR TO PLACEMENT OF ADJOINING CONCRETE.
- 6. COMPRESSIVE STRENGTH OF C.C. BLOCK SHOULD NOT BE LESS THAN 12.00 N/MM<sup>2</sup> BY CYLINDER TEST AT 28 DAYS AND USING STONE CHIPS AS COARSE AGGREGATE.
- 7. CURING OF C.C. BLOCK SHALL BE CONTINUED FOR MINIMUM 21 DAYS.
- 8. FILLING IN FOUNDATION TREATMENT SHALL BE DONE BY COMPACTED SAND OF F.M ≥ 1.00 AS SHOWN IN THE DRAWING (IF REQUIRED).
- 9. LAP LENGTH / DEVELOPMENT LENGTH OF REINFORCING BARS SHALL BE 40 BAR DIA.
- 10. LAPS SHALL BE STAGGERED SO THAT NOT MORE THAN 50% OF BARS ARE LAPPED IN ANY ONE CROSS SECTION. WHERE BARS MUST BE LAPPED IN ONE CROSS SECTION, THE LAP LENGTH SHALL NOT BE LESS THAN 1.3 TIMES MINIMUM LAP LENGTH.
- 11. REINFORCING BAR SHALL BE SUPPORTED IN ITS PROPER POSITION BY USE OF MORTAR BLOCKS, SUPPORTS OR BY OTHER APPROVED MEANS.
- 12. LOCATION & NUMBERS OF RCC STAIR, R.C.C U-DRAIN & NAME PLATE SHALL BE FIXED BY FIELD OFFICE ACCORDING TO ACTUAL FIELD REQUIREMENT. STAIR AND DRAIN OF THIS DRAWING ALSO APPLICABLE FOR KM 7.970 TO KM 9.500=1.530 KM (RABINDRA KUTHIBARI AT SHELAIDAH).
- 13. DIMENSIONS AND LEVELS SHOWN IN THE DRAWINGS ARE IN MILLIMETER AND METER PWD RESPECTIVELY.
- 14. THE COMPACTION MUST BE ENSURED BY THE CONCERNED FIELD EXECUTIVE ENGINEER.
- 15. CUT-OFF WALL OF STAIR & R.C.C U-DRAIN MUST BE CONSTRUCTED FROM THE LOWER PART (NEAR LWL) TO UPWARDS.
- 16. DRAWING FOR STAIR, R.C.C U-DRAIN & NAME PLATE ARE AN INTEGRAL PART OF THIS PROPOSED PROTECTIVE WORKS.
- 17. ANY OMISSION / CORRECTION SHALL BE IMMEDIATELY INFORMED TO THE DESIGN CIRCLE-5, BWDB, DHAKA FOR TAKING NECESSARY ACTION.

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