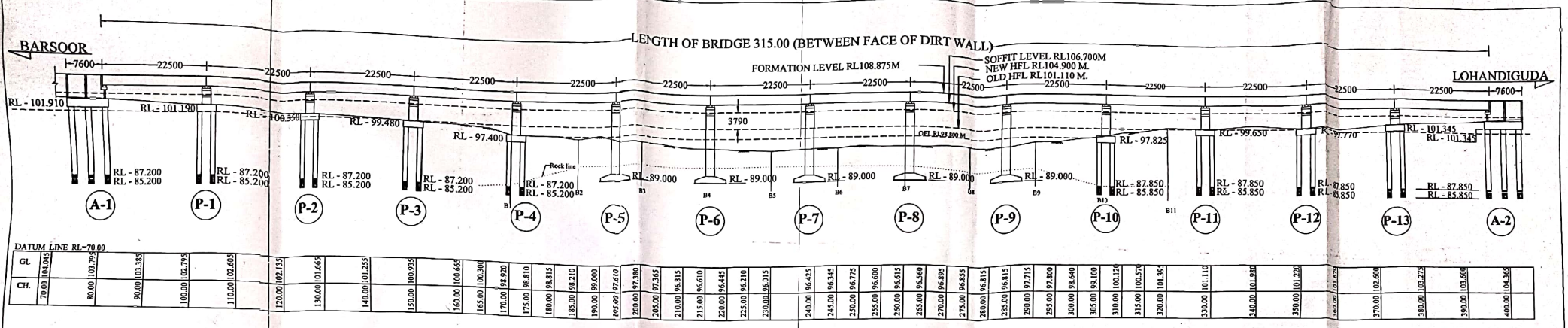
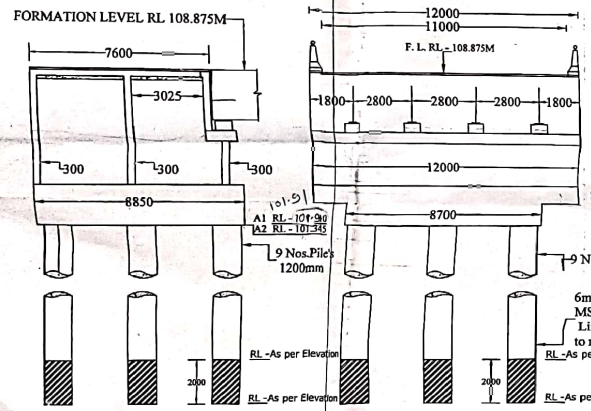
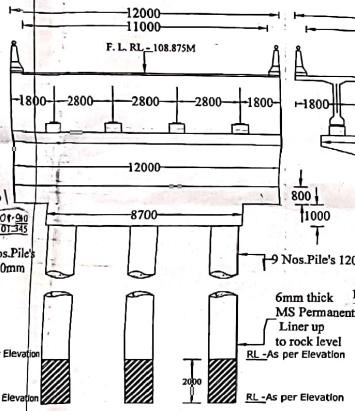
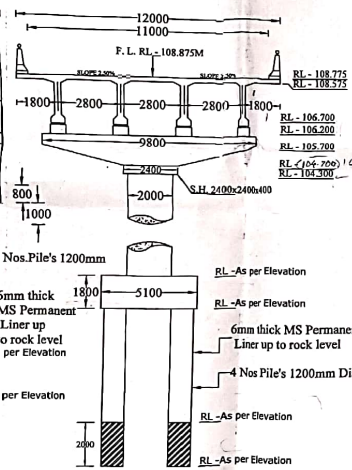


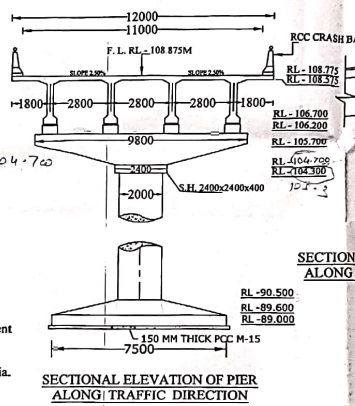


SECTIONAL ELEVATION OF ABUTMENT ALONG CURRENT DIRECTION

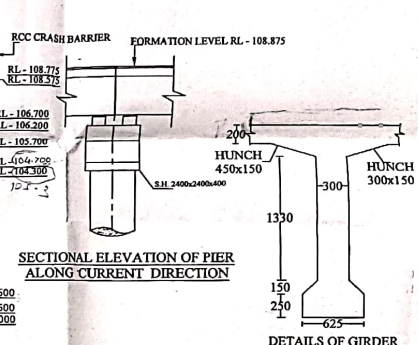


SECTIONAL ELEVATION OF ABUT. ALONG TRAFFIC DIRECTION



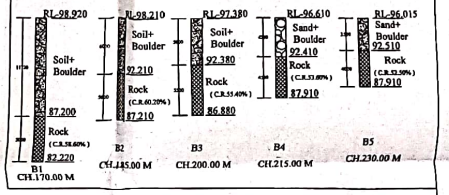


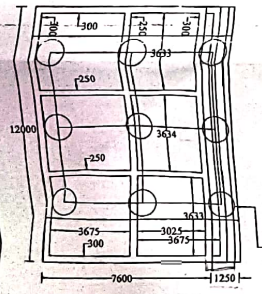
SECTIONAL ELEVATION OF PIER ALONG TRAFFIC DIRECTION



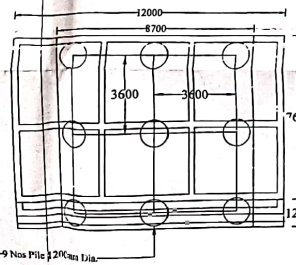
SECTIONAL ELEVATION OF PIER ALONG CURRENT DIRECTION

DETAILS OF GIRDER AT MID SPAN

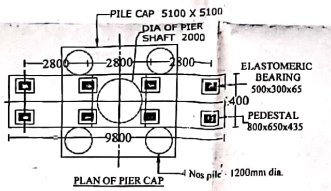




PLAN OF ABUTMENT

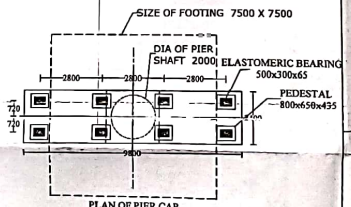


PLAN OF ABUTMENT

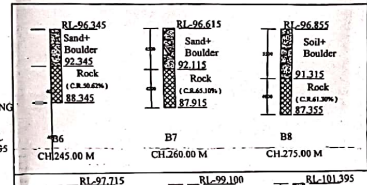


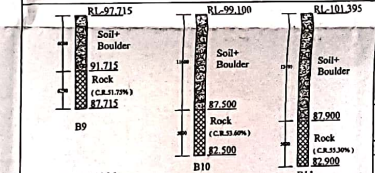
PLAN OF PIER CAP

SECTIONAL ELEVATION OF PIER ALONG TRAFFIC DIRECTION



PLAN OF PIER CAP





CERTIFICATE

Certified that the boring details shown are correct.

S/E S.D.O. E.E.

NOTE'S

1. TYPE OF BRIDGE	- HIGH LEVEL BRIDGE
2. LENGTH OF BRIDGE	- 315.00 M (BETWEEN FACE OF DIRT WALL)
3. OVER ALL WIDTH OF BRIDGE	- 12.00 M.
4. CARRIAGE WAY	- 11.00 M
5. FORMATION LEVEL	- RL 108.875 M
6. SOFFIT LEVEL	- RL 106.700 M
7. New H.F.L.	- RL 104.900 M (As per the flood on dated 26/08/2025)
8. Old H.F.L.	- RL 101.110 M
9. L.W.L. /O.F.L.	- RL 96.425 M / RL 98.800 M
10. L.B.L.	- RL 96.015 M
11. CATCHMENT AREA	- 205.954 SQKM
12. DESIGN DISCHARGE	- 8654.33 MEC
13. DESIGN VELOCITY	- 3.810 M /sec
04. SCOUR LEVEL AT PIER	- RL 79.51 M OR ROCK LEVEL
15. SCOUR LEVEL AT ABUT.	- RL 85.78 M OR ROCK LEVEL
16. FOUNDATION LEVEL	- A-1 RL- 85.200, A-2 RL- 85.850 P-1 TO P4 RL -85.200, P-5 TO P9 RL 89.00 P10 TO P13 RL85.850.
17. TYPE OF FOUNDATION	- PILE & OPEN FOUNDATION.
18. TYPE OF SUB STRUCTURE	- R.C.C. SOLID CIRCULAR
19. TYPE OF SUPER STRUCTURE	- R.C.C. T-BEAM SLAB
20. TYPE OF BEARING	- Neoprene Elastomeric Bearing
21. TYPE OF RAILING	- R.C.C. CRASH BARRIER (AS PER MORT&H)
22. TYPE OF APPROACH SLAB	- R.C.C. M30 GRADE
23. TYPE OF WEARING COAT	- Mastic Ashphalt (As per MORT&H Specifications)
24. TYPE OF EXPANSION JOINT	- STRIP SEAL EXPANSION JOINTS
25. TYPE OF NAME PLATE	- GRANITE PLATE
26. DESIGN LOADING	- ONE LANE OF CLASS 70R + ONE LANE OF CLASS " A " OR THREE LANE OF CLASS " A" AS PER IRC 6:2017 WHICHEVER PRODUCE SEVER EFFECT.
27. SAFE BEARING CAPACITY	- 40 T/M²

S.D.O.	E.E.	S.E.	C.E.

OFFICE OF THE CHIEF ENGINEER
PWD BRIDGE CONSTRUCTION ZONE - RAIPUR (C.G.)

PROJECT :- CONSTRUCTION OF HIGH LEVEL BRIDGE I/C APPROACH ROAD ACROSS MANDER NALLA IN KM. 36/6 ON BARSOOR - LOHANDIGUDA - JAGDALPUR ROAD.

REVISED GENERAL ARRANGEMENT DRAWING

DRAWN BY

DRAWING NO. | DATE: 15.10.2025

Scanned with OKEN Scanner