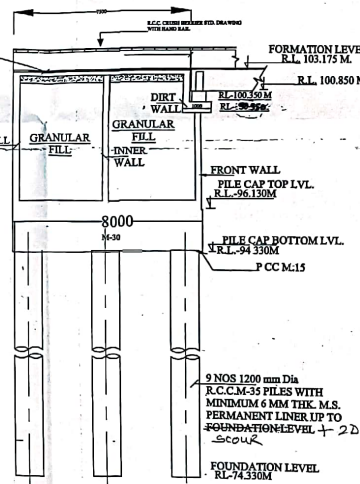
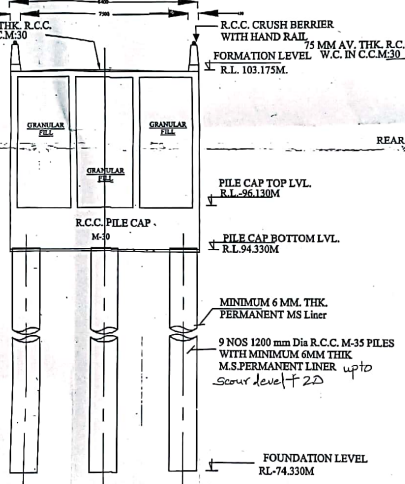
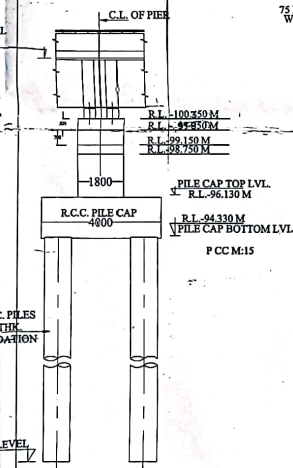
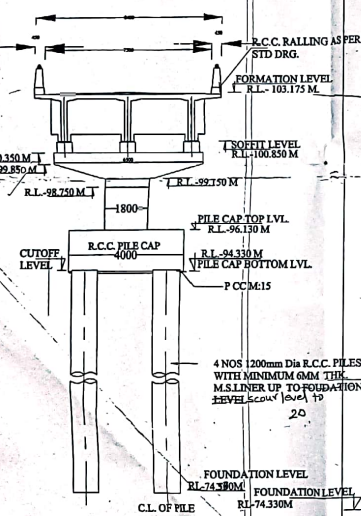
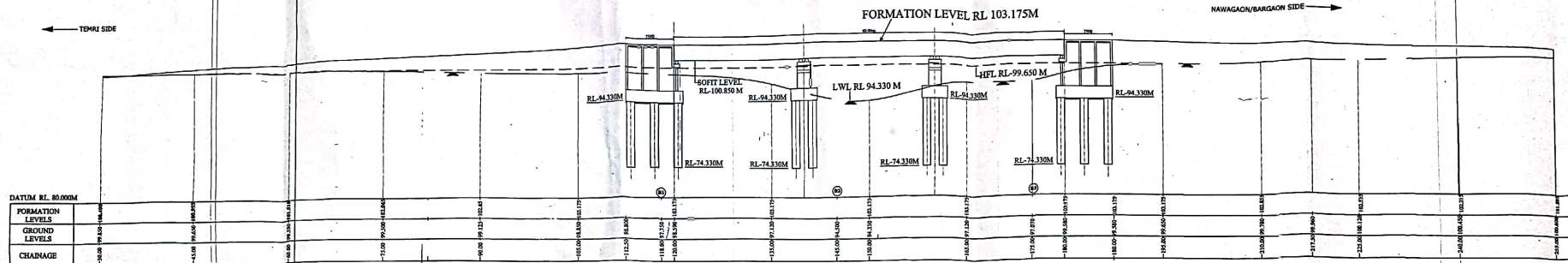
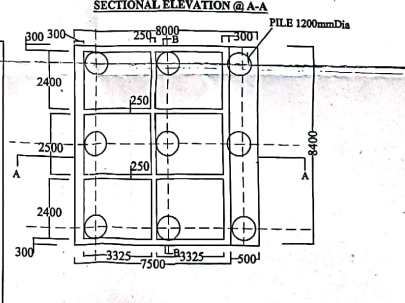
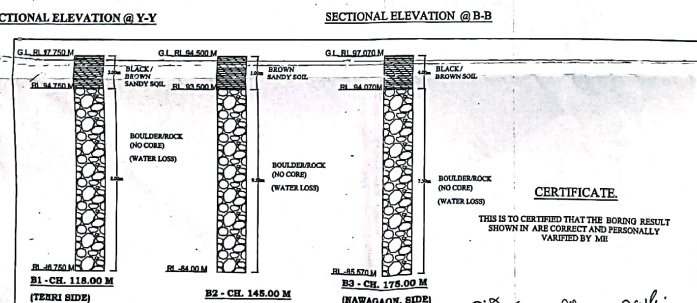
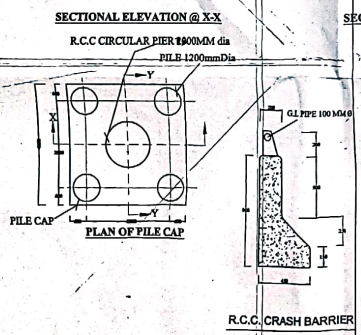


LENGTH OF BRIDGE 60.00 M (3 SPANS OF 20.00 M EACH)



NOTES:-	
1. TYPE OF BRIDGE	HIGH LEVEL
2. LENGTH OF BRIDGE	60.00 (3 SPANS OF 20.00 M. EACH)
3. OVER ALL WIDTH	8.40 M
4. CLEAR CARRIAGE WIDTH	7.50 M
5. FORMATION LEVEL	R.L. - 103.175 M
6. SCOFF LEVEL	R.L. - 100.850 M
7. H.F.L.	R.L. - 100.850 M
8. L.W.L.	R.L. - 99.650 M
9. LOWEST BED LEVEL	R.L. - 94.330 M
10. DESIGN DISCHARGE	1.66 cumecs
11. DESIGN VELOCITY	398.88 CL/MEC
12. CATCHMENT AREA	27.1164 KM ²
13. TYPE OF FOUNDATION	PILE
14. TYPE OF SUB STRUCTURE	PIER - R.C.C. SOLID CIRCULAR TYPE ABUTMENT - R.C.C. BOX TYPE (2x7.50 M)
15. TYPE OF SUPER STRUCTURE	K.C.C. T-BEAM SLAB PIER - P.U.2 - 4x330 M ABT. A1 & A2 - 7x330 M
16. FOUNDATION LEVEL	ELASTOMERIC BEARING
17. TYPE OF BEARING	R.C.C. CRASH BARRIER
18. TYPE OF RAILING	STRIP SEAL EXPANSION JOINT AS PER MORTAR STD. DRG.
19. EXPANSION JOINT	R.C.C. WEARING COAT 75mm TH. AS PER MORTAR STD. DRG.
20. WEARING COAT	PIER - R.C.C. WEARING COAT 75mm TH. AS PER MORTAR STD. DRG.
21. SCOUR LEVEL	ROCK - 92.510 M OR TOP OF ABUTMENT - R.L. 95.116 M OR TOP OF ROCK, WHICH EVER IS HIGHER.
22. SAFE BEARING CAPACITY	25.00 T/M ²
23. APPROACH SLAB	RCC STRUCTURAL AS PER APPROVED DRG.
24. NAME PLATE & DRAINAGE SPOUT ARE AS PER M.O.R.T. & H. STD. DRG.	
25. DESIGN LOADING	ONE LANE OF B.C. CLASS 70R WITH ONE LANE OF CLASS A OR FIVE LANE OF CLASS A WHICH EVER PRODUCES SEVERE EFFECTS.
26. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.	
27. THIS DRAWING IS ONLY FOR ESTIMATE PURPOSE.	



CHIEF ENGINEER	
SUPERINTENDING ENGINEER	
R.V.	EXECUTIVE ENGINEER
S.D.O.	OFFICE OF THE CHIEF ENGINEER P.W.D., BRIDGE ZONE, RAIPUR [C.G.]
SUB ENGINEER	CONSTRUCTION OF HIGH LEVEL BRIDGE ACROSS NALLA ON NAWAGAN-BARGAON ROAD
GENERAL ARRANGEMENT DRAWING	
SCALE - 1:100	
DRAWING NO. NALLA GAD-1 BRIDGE/2024-25	

Scour depth $A = 95.116 - 1.50 = 93.616$
 $P = 92.51$
 $+ 1.50$
 94.016

Quant level at = 98.09 99.58
 93.616 93.616
 4.974 5.064
 4.974 5.064
 4.974 5.064