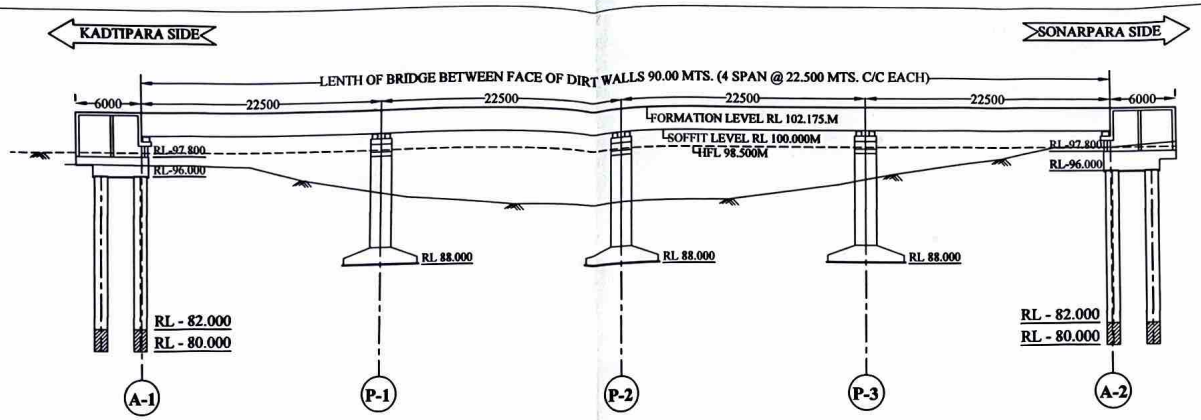
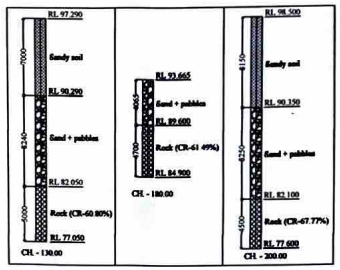
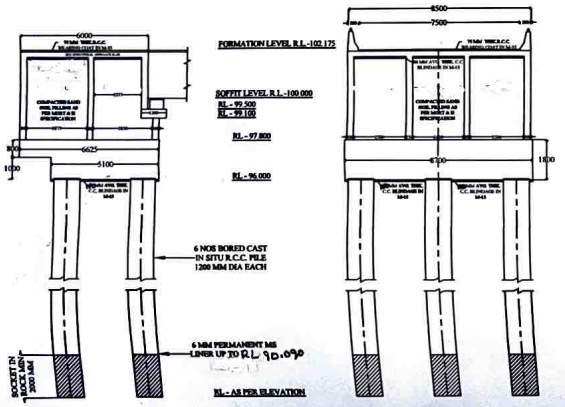
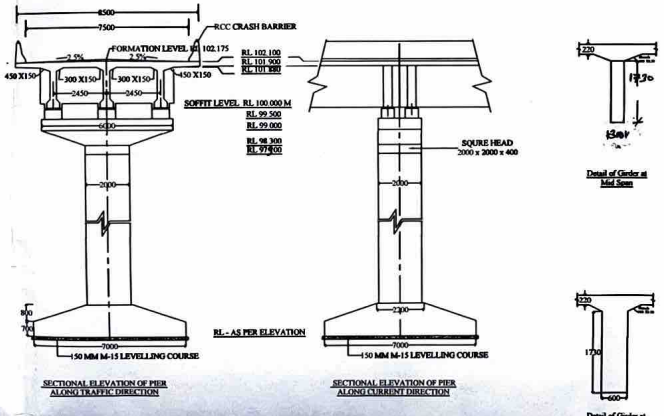


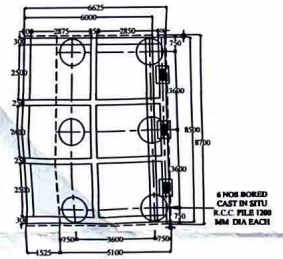


DATUM LINE RL=70.00

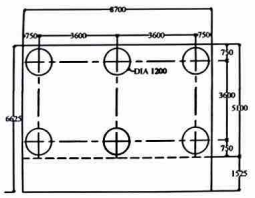
GROUND LEVEL	97.390	97.300	97.290	97.160	95.845	94.965	94.095	93.700	93.305	93.595	93.665	94.355	95.045	95.995	96.720	97.415	98.500	98.625	99.205
CHAINAGE	119.00	125.00	130.00	135.00	140.00	145.00	150.00	155.00	160.00	170.00	180.00	185.00	190.00	195.00	200.00	205.00	210.00	215.00	221.00



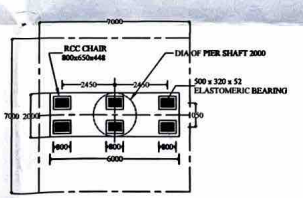




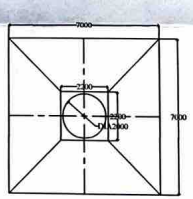
PLAN OF ABUTMENT



PLAN OF PILE & PILE CAP



PLAN OF PIER CAP



PLAN OF FOOTING

NOTE S

1. TYPE OF BRIDGE	- HIGH LEVEL BRIDGE
2. LENTH OF BRIDGE	- 90.00 M (BETWEEN FACE OF DIRT WALL)
3. OVER ALL WIDTH OF BRIDGE	- 8.50M.
4. CARRAGE WAY WIDTH OF BRIDGE	- 7.50M
5. FORMATION LEVEL	- RL 102.175 M
6. SOFFIT LEVEL	- RL 100.000 M
7. H.F.L.	- RL 98.500 M
8. L.W.L.	- RL 93.595M
9. L.B.L.	- RL 93.305M
10. CATCHMENT AREA	- 147.060 SQKM
11. DESIGN DISCHRGE	- 828.450 CUMEC
12. DESIGN VELOCITY	- 2.61 M /sec
13. SCOUR LEVEL AT PIER	- RL 89.030 M
14. SCOUR LEVEL AT ABUT.	- RL 92.490 M
15. FOUNDATION LEVEL PIER ABUTMENT	- P1, P2 & P3 RL -88.000M - A1 & A2 RL -80.000 M.
16. TYPE OF FOUNDATION	- OPEN & PILE FOUNDATION
17. TYPE OF SUB STRUCTURE	- R.C.C.SOLID CIRCULAR
18. TYPE OF SUPER STRUCTURE	- R.C.C. T- BEAM SLAB
19. TYPE OF BEARING	- ELASTOMERIC BEARING
20. TYPE OF RAILING	- R.C.C. CRASH BARRIER
21. TYPE OF APPROACH SLAB	- R.C.C. M30 GRADE
22. TYPE OF WEARING COAT 23. TYPE OF EXPANSION JOINT	- 75 MM THICK R.C.C. M35 - STRIP SEAL EXPANSION JOINTS
24. TYPE OF NAME PLATE 25. DESIGN LOADING	- GRANITE PLATE - ONE LANE OF CLASS 70R OR TWO LANE OF CLASS " A " LOADING WHICHEVER IS SEVER EFFECT.
26. SAFE BEARING CAPACITY	- 50 T/SQM

CERTIFICATE

THIS IS CERTIFIED THAT THE BORING RESULT SHOWN ABOVE IS CORRECT

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

S.D.O. E.E. S.E. C.E. 21/4/25

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

PROJECT :- CONSTRUCTION OF HIGH LEVEL BRIDGE ACROSS GEEDAM NALLA IN KADTIPARA OF NAGAR PANCHAYAT GEEDAM.

GENERAL ARRANGEMENT DRAWING

DRAWN BY | DRAWING No | DATE: