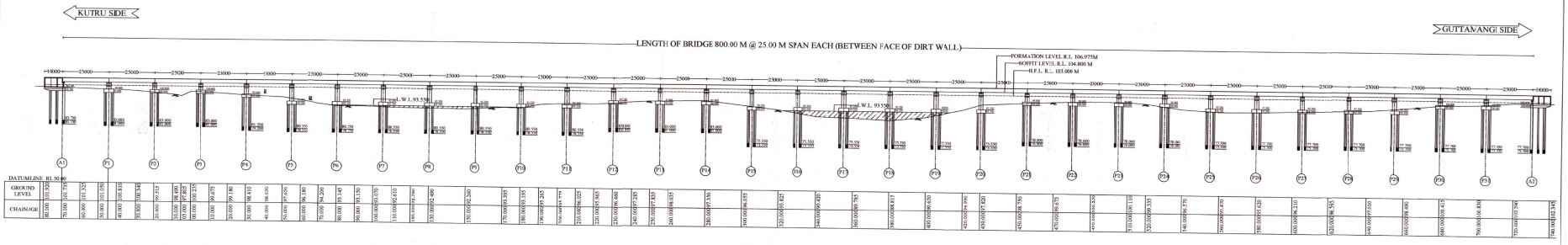
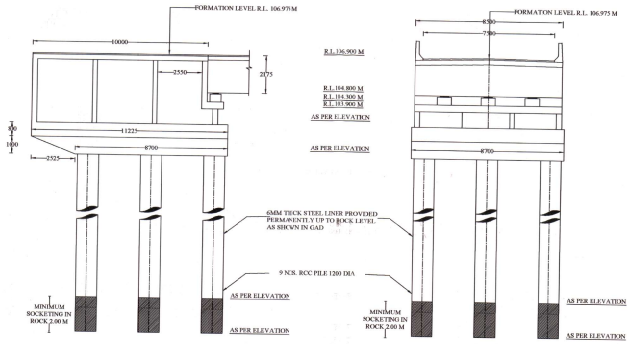
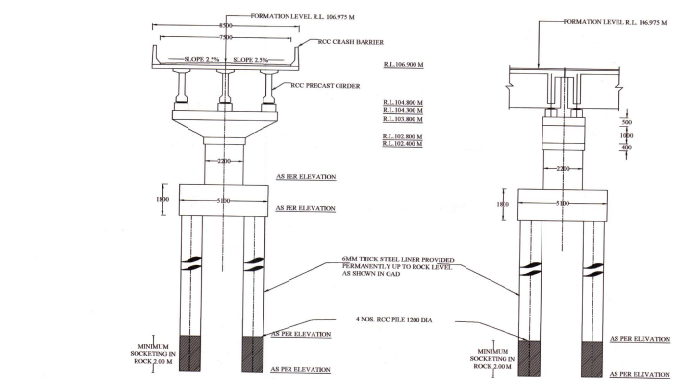



ELEVATION OF BRIDGE




SECTIONAL ELEVATION OF ABUTMENT ALONG CURRENT DIRECTION



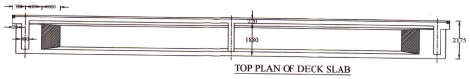

SECTIONAL ELEVATION OF ABUTMENT ALONG TRAFFIC DIRECTION

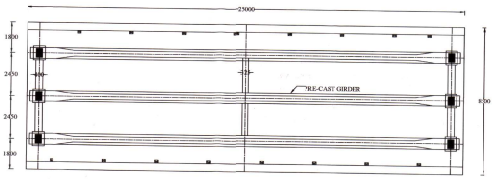



SECTIONAL ELEVATION OF PIER ALONG TRAFFIC DIRECTION

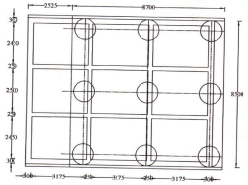



SECTIONAL ELEVATION OF PIER ALONG CURRENT DIRECTION

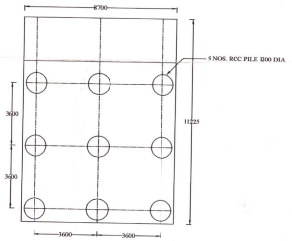


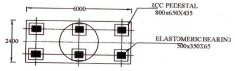

SECTIONAL ELEVATION



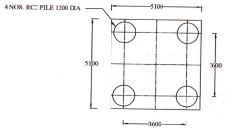
PLAN OF ABUTMENT



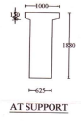

PLAN OF PILE & PILE CAP




PLAN OF PIER CAP




PLAN OF PILE



AT SUPPORT

AT MID SPAN

NOTES

| | | |
|---|---|---|
| 1. TYPE OF BRIDGE | - | HIGH LEVEL BRIDGE |
| 2. LENGTH OFBRIDGE | - | 800.00 M BETWEEN FACE OF DIRT WALL |
| 3. OVER ALL VIDTH OF BRIDGE | - | 8.50 M. |
| 4. CARRIAGE VAY | - | 7.50 M |
| 5. FORMATIOP LEVEL | - | RL. 106.975 M |
| 6. SOFFIT LEVIL | - | RL. 104.800 M |
| 7. H.F.L. | - | RL. 103.000 M |
| 8. L.W.L. | - | RL. 95.550 M |
| 9. L.B.L. | - | RL. 88.783M |
| 10. CATCHMENT AREA | - | 24671.429 SQ.M |
| 11. DESIGN DISCHARGE | - | 31496.75 CUMEC |
| 12. DESIGN VELOCITY | - | 5.77 M/SEC. |
| 13. SCOUR LEVEL PIER<br>ABUTMENT | - | RL 79.390 M<br>RL 88.010 M |
| 14. TYPE OF FOUNDATION | - | PILE FOUNDATION. |
| 15. FOUNDATION LEVEL. | - | PIER P1-P3 & P12-P14 RL 81.000 M,<br>P4 RL 79.700 M, P5-P11 RL 78.550 M,<br>P15-P20 RL 73.550 M, P21-P24 RL 76.080 M,<br>P25-P31 RL 75.700 M,<br>ABUTMENT A1RL 81.700 M & A2 RL 75.700 M |
| 16. LINER LEVEL | - | PIER P1-P3 & P12-P14 RL 83.000 M,<br>P4 RL 81.700 M, P5-P11 RL 80.550 M,<br>P15-P20 RL73.550 M, P21-P24 RL 78.080 M,<br>P25-P31 RL77.700 M,<br>ABUTMENT A1RL 83.700 M & A2 RL 77.790 M |
| 17. TYPE OF SUB STRUCUTURE | - | R.C.C. SOLID CIRCULAR |
| 18. TYPE OF SUPER STRUCTURE | - | R.C.C. PRE-C/8T GIRDER & SLAB |
| 19. TYPE OF RAILING | - | R.C.C. CRASH IARRIER AS PER MORT&H |
| 20. TYPE OF APPROACH SLAB | - | R.C.C. M30 GRADE |
| 21. TYPE OF WEARING COAT | - | 75 MM THICK I.C.C. M-35 |
| 22. TYPE OF EXPANSION JOINT | - | STRIP SEAL EXPANSION JOINTS |
| 23. TYPE OF BEARING | - | ELASTOMERIK BEARING |
| 24.TYPE OF NAME PLATI | - | GRANITE PLATE |
| 25. DESIGN LOADING | - | ONE LANE OFCLASS 70R OR TWO LANE OF CLASS " A " LOADING WHICHEVER IS SEVER EFFEC. |
| 26. SAFE BEARING CAPACITY | - | BORING IS NOT DONE, THIS DRAWING IS ONLY FOR ESTIMATI PURPOSE, DRAWING MA" CHANGE AFTER DETAILED SUB-SOIL INVESTIGATION. |

| S.D.O. | S.E. | S.E. | C.E. |
|---|---|---|---|

OFFICE OF THE CHIEF ENGINEER
PWD BRIDGE CONSTRUCTION ZONE - JAGDALPUR ( CG )

PROJECT :- CONSTRUCTION OF HIGH LEVEL BRIDGE I/C APPROACH ROAD ACROSS INDRAWATI RIVER IN KM. 7/2-10 ON KUTRU-GUTTAVANGI ROAD.

DRAWN BY

GENERAL ARRANGEMENT DRAWING

DRAWING NO.

DATE: