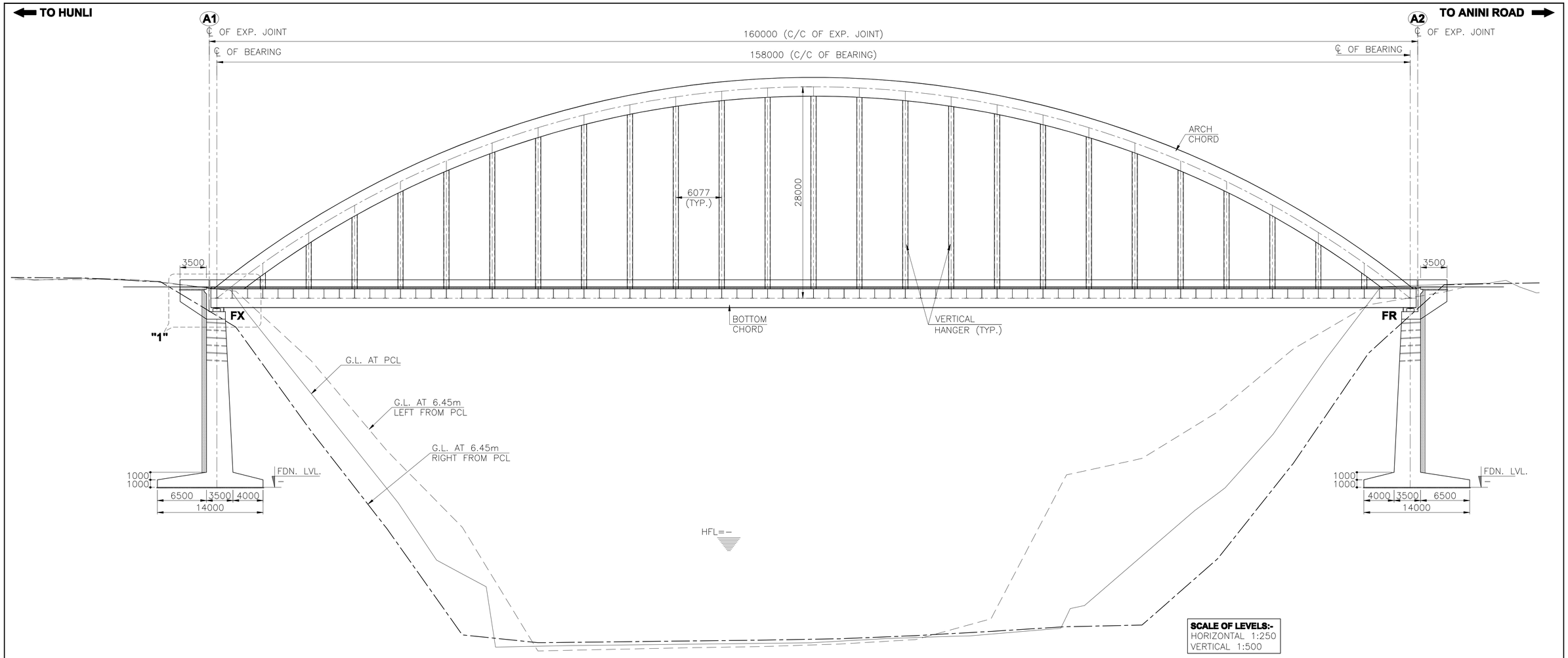
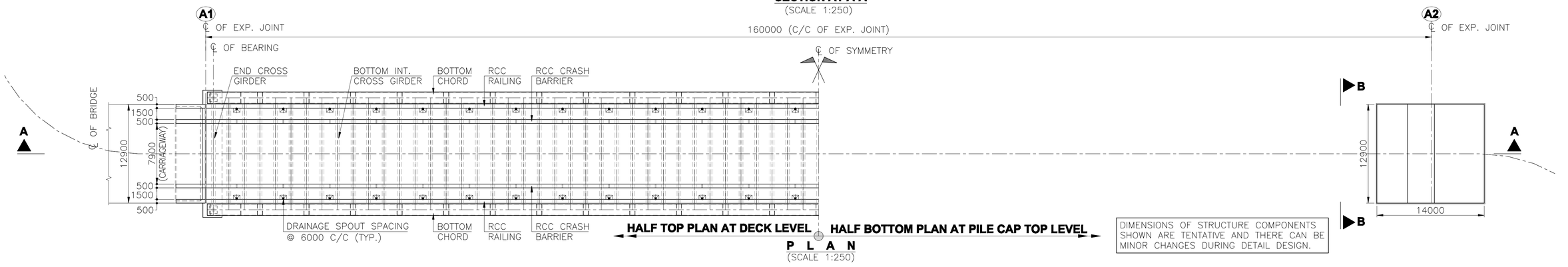


FRL AT PCL (IN m)	560.000	560.000	560.000
G.L. AT PCL (IN m)	559.655	465.728	560.357
G.L. AT 6.45m LEFT FROM PCL (IN m)	559.620	465.109	557.402
G.L. AT 6.45m RIGHT FROM PCL (IN m)	553.515	466.605	554.171
CHAINAGE (IN Km)	28+016.500	28+096.500	28+176.500

SECTION AT A-A
(SCALE 1:250)



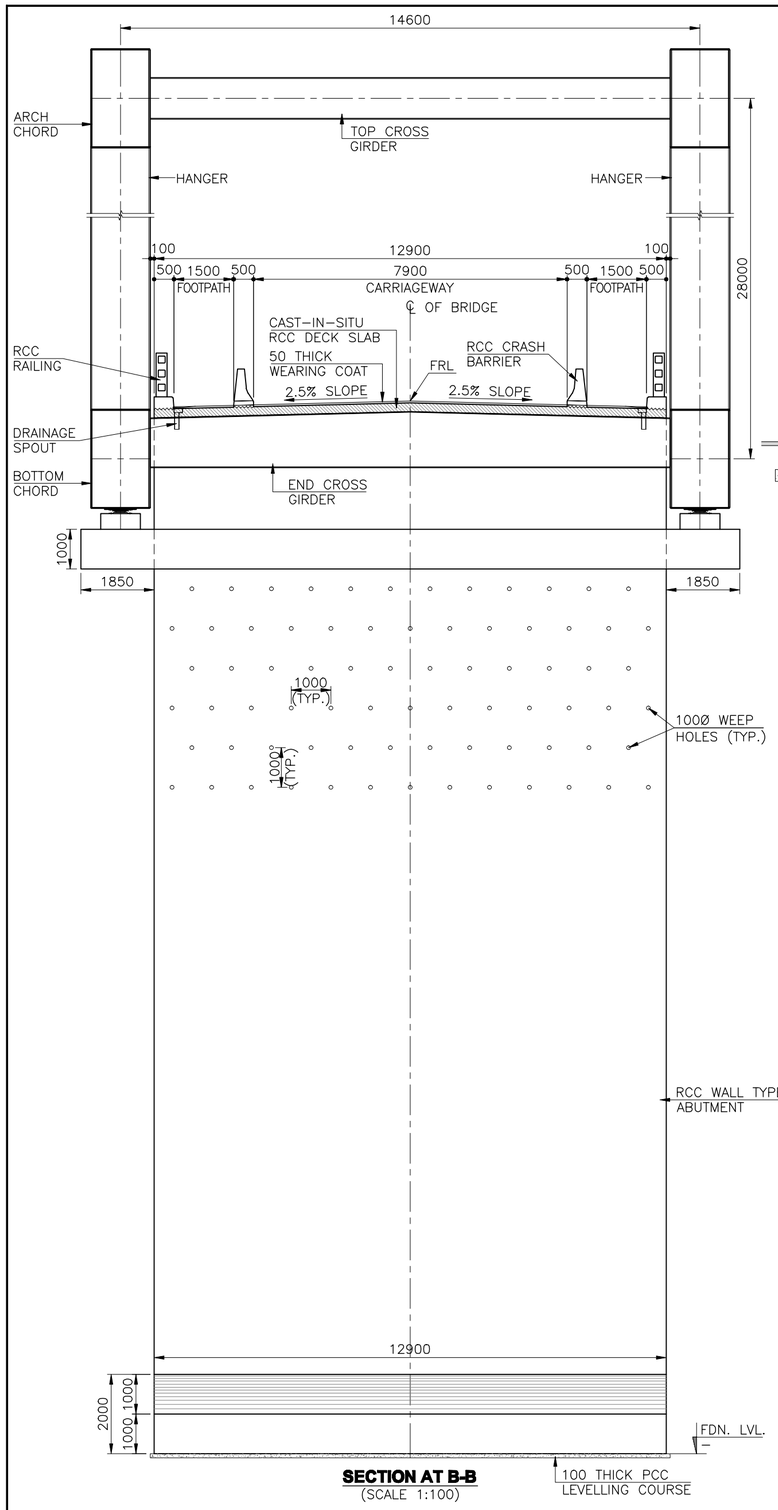
P L A N
(SCALE 1:250)

DIMENSIONS OF STRUCTURE COMPONENTS SHOWN ARE TENTATIVE AND THERE CAN BE MINOR CHANGES DURING DETAIL DESIGN.

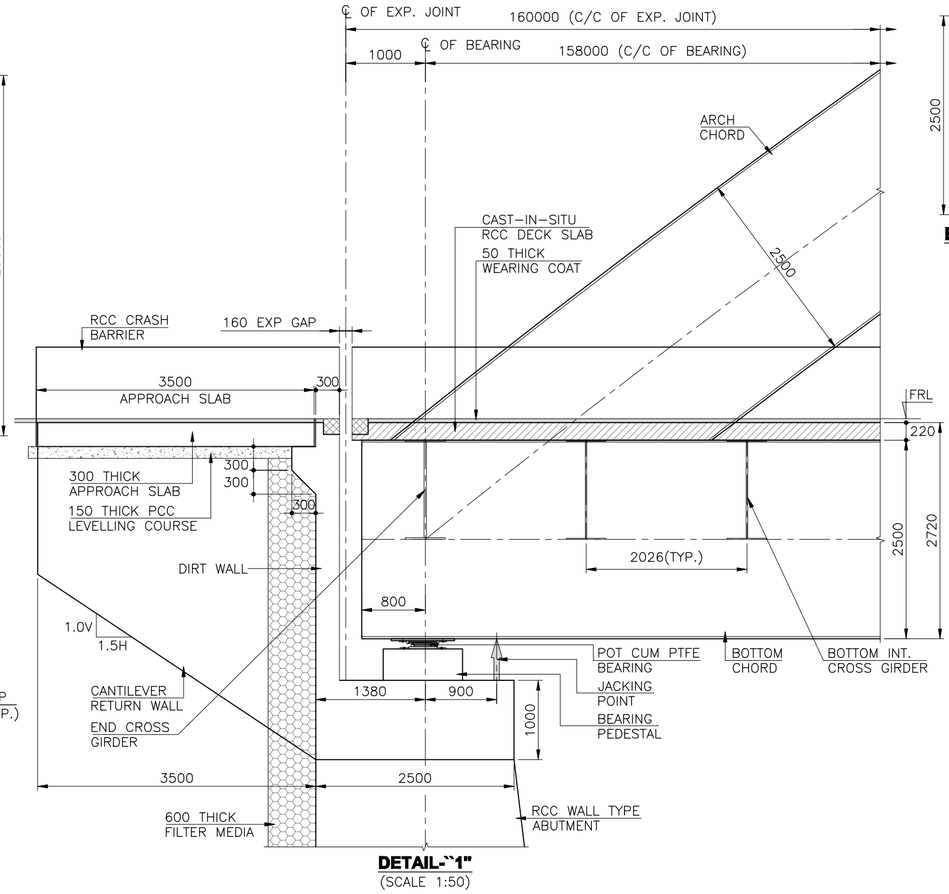
PROJECT:- **SITE OF THE TWO-LANING OF EXISTING HUNLI-ANINI ROAD ON EPC BASIS IS FROM DESIGN Km. 21.500 TO Km. 37.500 (EXISTING Km. 21.450 TO Km. 40.160) IN THE STATE OF ARUNACHAL PRADESH UNDER SARDP -NE, PROJECT HIGHWAYS SHALL INCLUDE THE LAND, BUILDINGS, STRUCTURES AND ROAD WORKS AS DESCRIBED IN ANNEX-I OF THIS SCHEDULE-A**

TITLE:- **GENERAL ARRANGEMENT DRAWING (SPAN 1x160.000m C/C OF EXP. JOINT) FOR MAJOR BRIDGE AT DESIGN CH. 28+096.500**

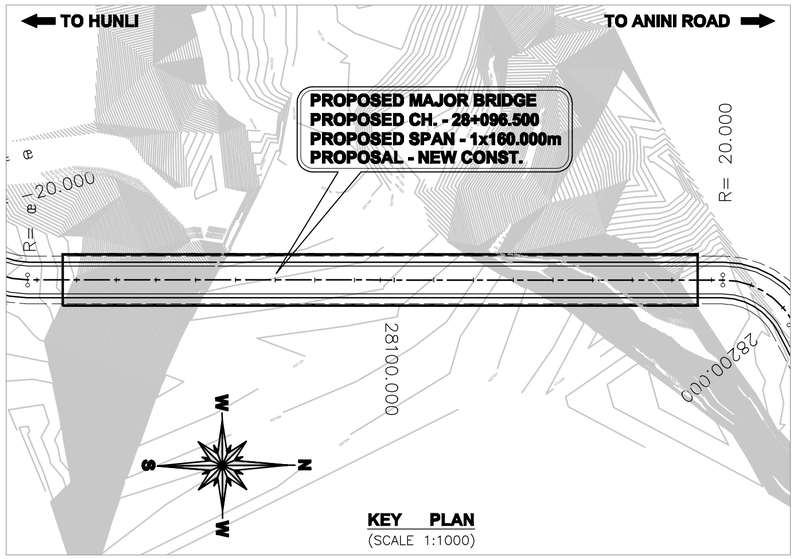
SHEET NO:- **01 OF 02**



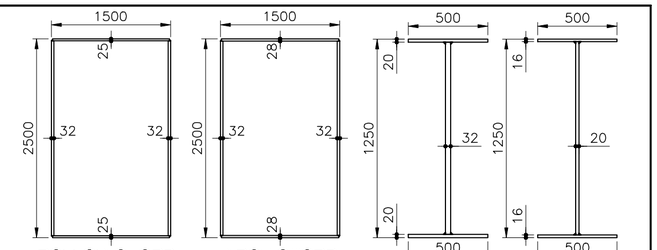
SECTION AT B-B
(SCALE 1:100)

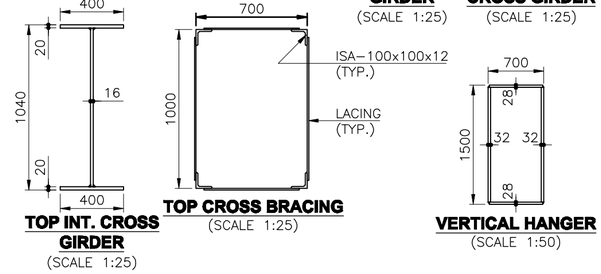


DETAIL-"1"
(SCALE 1:50)



KEY PLAN
(SCALE 1:1000)





NOTES:-

1. ALL DIMENSIONS ARE IN mm, LEVELS ARE IN m AND CHAINAGES ARE IN Km, UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. NO DIMENSION IS TO BE SCALED.
2. CONCRETE SHALL BE DESIGN MIX AND SHALL HAVE MINIMUM 28 DAYS CHARACTERISTIC STRENGTH ON 150mm CUBES FOR ALL ELEMENTS OF STRUCTURES AS INDICATED BELOW:–
   - RCC CRASH BARRIER M40
   - CAST–IN–SITU DECK SLAB M35
   - SUBSTRUCTURE M35
   - FOUNDATION M35
   - APPROACH SLAB M30
   - RCC RAILING M30
   - PCC LEVELLING COURSE BELOW FOUNDATION M15
   - PCC LEVELLING COURSE BELOW APPROACH SLAB M15
   - BEARING PEDESTAL AND SEISMIC STOPPER M40
3. THE CARRIAGEWAY OF PROPOSED BRIDGE IS DESIGNED FOR 3 LANES OF IRC CLASS A OR 1 LANE OF IRC CLASS 70R + 1 LANE OF IRC CLASS A WHICHEVER GOVERNS.
4. UNTENSIONED REINFORCING STEEL SHALL BE OF THERMO MECHANICALLY TREATED (TMT) BARS (GRADE DESIGNATION Fe–500D) CONFORMING TO IS: 1786.
5. ALL STRUCTURAL STEEL SHALL CONFORM TO HIGH STRENGTH STEEL E350 (BR) AS PER IS: 2062–2011.
6. 50mm THICK BITUMINOUS CONCRETE WEARING COAT SHALL BE PROVIDED.
7. CLEAR COVER TO OUTERMOST STEEL SHALL BE AS BELOW:–
   - CAST–IN–SITU DECK SLAB 40mm
   - SUBSTRUCTURE (NON EARTH FACE) 50mm
   - SUBSTRUCTURE (EARTH FACE) 75mm
   - FOUNDATION 75mm
8. ALL SPACE EXCAVATED AND NOT OCCUPIED BY THE FOUNDATION & OTHER PERMANENT WORK SHALL BE REFILLED WITH EARTH UP TO SURFACE OF SURROUNDING GROUND IN ACCORDANCE WITH SECTION 300 OF ''MORTH" SPECIFICATION. IN CASE OF EXCAVATION IN ROCK, THE ANNULAR SPACE AROUND FOUNDATION SHALL BE FILLED WITH M15 PCC UP TO THE TOP OF ROCK.
8. 100Ø WEEP HOLES SPACED AT 1000 C/C BOTH HORIZONTALLY AND VERTICALLY SHALL BE PROVIDED IN A STAGGERED MANNER IN ABUTMENT AND RETURN WALLS.
9. 600 THICK FILTER MEDIA SHALL BE PROVIDED AS PER IRC 78: 2014 (APPENDIX 6)/GEOCOMPOSITE AS PER CLAUSE 704 OF MORTH.
10. 160mm MODULAR STRIP SEAL TYPE EXPANSION JOINTS SHALL BE PROVIDED AS PER MORTH SPECIFICATIONS FOR ROAD AND BRIDGE WORKS.
11. BACK FILLING BEHIND ABUTMENT AND RETURN WALL SHALL CONSIST OF SELECTED EARTH CONFIRMING TO APPENDIX 6 OF IRC: 78–2014 HAVING PROPERTIES C = 0, Ø ≥ 30° AND γd = 2.0 t/m^3.
12. LAYING, COMPACTION AND EXTENT OF BACK FILL BEHIND ABUTMENT AND RETURN WALL SHALL CONFORM TO SPECIFICATIONS IN APPENDIX: 6 OF IRC: 78–2014.
13. POT CUM PTFE BEARING SHALL BE USED.
14. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT APPROVED HIGHWAY DRAWINGS FOR STRUCTURE ORIENTATION, SKEW FRL & CAMBER/SUPER ELEVATION, ETC IF ANY DISCREPANCY FOUND IT SHALL BE BROUGHT TO THE NOTICE OF DESIGN CONSULTANT/ PROOF CHECKING CONSULTANT.
15. PROPOSED CHAINAGE/FRL SHALL BE CHECKED AND CONFIRMED AS PER APPROVED PLAN & PROFILE.
16. THE PROJECT ROAD FALLS WITHIN SEISMIC ZONE–V.

	PROJECT:- **SITE OF THE TWO-LANING OF EXISTING HUNLI-ANINI ROAD ON EPC BASIS IS FROM DESIGN Km. 21.500 TO Km. 37.500 (EXISTING Km. 21.450 TO Km. 40.160) IN THE STATE OF ARUNACHAL PRADESH UNDER SARDP -NE, PROJECT HIGHWAYS SHALL INCLUDE THE LAND, BUILDINGS, STRUCTURES AND ROAD WORKS AS DESCRIBED IN ANNEX-I OF THIS SCHEDULE-A**	**TITLE:-** **GENERAL ARRANGEMENT DRAWING (SPAN 1x160.000m C/C OF EXP. JOINT) FOR MAJOR BRIDGE AT DESIGN CH. 28+096.500**	**SHEET NO:-** **02 OF 02**