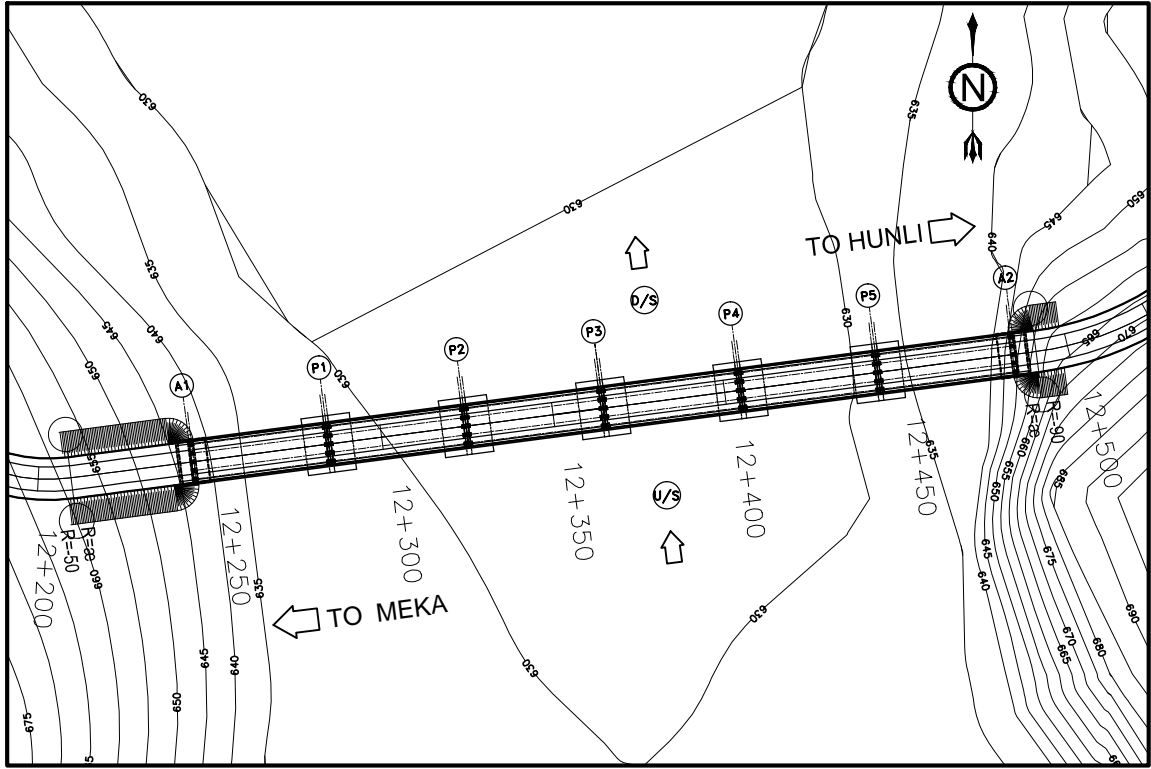


DETAILS OF COMPOSITE GIRDER

(SCALE 1:50)

BEARING CAPACITY HAS BEEN TAKEN FOR DESIGN PURPOSE ARE GIVEN BELOW IN TABLE:-			
	BEARING CAPACITY	TYPE OF FOUNDING STRATA	FRICTION CO-EFFICIENT
ABUT.	25 T/m ²	FISSURED ROCK	0.7
PIER	25 T/m ²	SOIL	0.5



KEY PLAN

(SCALE-1:2000)

NOTES :-

- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS UNLESS NOTED OTHERWISE. DIMENSIONS ARE NOT TO BE SCALED, ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- FOR FORMATION LEVELS & SITING OF THE BRIDGE, RELEVANT HIGHWAY PLAN & PROFILE DRAWINGS TO BE REFERRED. IN CASE OF ANY VARIATION HIGHWAY DRAWINGS TO BE CONSIDERED CORRECT.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH OTHER RELEVANT DRAWINGS.
- THE PROPOSED MAJOR BRIDGE IS DESIGNED FOR 3 LANES OF IRC CLASS A OR 1 LANE OF 70R + 1 LANE OF CLASS A LOADING WHICHEVER GOVERNS.
- CONCRETE GRADE FOR DIFFERENT COMPONENT SHALL BE AS FOLLOWS.
(a) ABUTMENT AND PIER FOUNDATION M-35
(a) ABUTMENT AND PIER SHAFT M-35
(a) ABUTMENT AND PIER CAP M-35
(a) DECK SLAB M-40
- DESIGN HAS BEEN DONE BASED ON IRC:6-2000.
- THE PROJECT CORRIDOR FALLS IN SEISMIC ZONE-IV
- THE REINFORCEMENT SHALL BE HYSD BARS OF GRADE Fe-500 CONFORMING TO IS:1786-1985 WITH MIN. ELONGATION OF 14.5%.
- STRUCTURAL STEEL SHALL BE OF GRADE 410 WB CONFORMING TO (IS:2062-1999).
- POT-PTFE BEARING CONFORMING TO IRC:83 (PART III) SPECIFICATION SHALL BE USED.
- LAYING, COMPACTION AND EXTENT OF BACKFILL BEHIND ABUTMENT, RETURN WALL, RETAINING WALL SHALL CONSISTS OF SELECTED EARTH CONFIRMING TO APPENDIX-6 OF IRC:78-2000 HAVING PROPERTIES C=0, $\phi = 35^\circ$ & DENSITY=18 kN/m³
- 600mm THK. FILTER MEDIA SHALL BE PROVIDED BEHIND ABUTMENT, RETURN WALL, RETAINING WALL UP TO FOUNDATION TOP.
- ADEQUATE NUMBER OF WEEP HOLES CONSISTING OF 100 ϕ AC PIPES SHALL BE PROVIDED IN STAGGERED MANNER AT A SPACING NOT MORE THAN 1000mm IN BOTH VERTICALLY & HORIZONTALLY AT A SLOPE OF 1 VERTICAL : 20 HORIZONTAL FROM 150mm ABOVE LWL TO 150mm ABOVE HFL.
- STRIP SEAL EXPANSION JOINT CONFORMING TO IRC: SP-69-2011 SHALL BE PROVIDED.
- MODERATE CONDITION OF EXPOSURES HAS BEEN TAKEN.
- FLEXIBLE APPRON 1 METER THICK COMPRISING LOOSE STONE BOULDERS (WEIGHING NOT LESS THAN 40Kg.) OR CEMENT CONCRETE BLOCK SHALL BE PROVIDED AT PIER LOCATION.



BORDER ROADS ORGANISATION



in JV with



Stanley Consultants Inc.

Unit No. 405 A & B, Rectangle I, Saket District Centre
Saket, New Delhi - 110 017

Detailed Project Report for Improvement of
Meka-Roing-Hunli Road to NH Double Lane
Specifications in Dibang District of
Arunachal Pradesh

REV	R0				
DATE	October 2012				
DRAWN					
DESIGNED					
CHECKED					
APPROVED					

Scale:

MEKA-ROING-HUNLI ROAD

FINAL DETAILED PROJECT REPORT
(PACKAGE RH / N1)

Sheet Size:
A2

**GENERAL ARRANGEMENT DRAWING OF
MAJOR BRIDGE OVER ASHUPANI RIVER
AT KM. 12+365**

Drg No: Xplorer-SCI/BRO/11193/FDPR/MJBR/12+365/01 (SH-3 OF 3)