

HYDROLOGY PARTICULARS	
DISCHARGE	130 .0 m <sup>3</sup> /sec
HFL	788.057 M
VELOCITY	2.740 m/sec

#### CONSTRUCTION:

1. THE CONSTRUCTION AGENCY SHOULD ENSURE THAT THE NECESSARY PERMISSIONS HAS BEEN OBTAINED FROM ROAD AND IRRIGATION AUTHORITY IF REQUIRED FOR DIVERTING THE TRAFFIC TEMPORARILY PRIOR TO COMMENCING THE WORK.
2. NECESSARY SUITABLE SHORING AND STRUTTING SHALL BE PROVIDED FOR CASTING OF STRUCTURAL MEMBERS AND OTHER PLACE WHEREVER REQUIRED AND DETAIL DRAWING SHALL BE SUBMITTED BY THE CONTRACTING AGENCY.
3. IF ANY AMBIGUITY FOUND IN DRAWINGS OR AT SITE BRING IT TO DESIGNER'S NOTICE BEFORE EXECUTION.
4. IF HARD STRATA FOUND AT SITE, ACCORDING TO JRC-78:2014, MINIMUM EMBEDMENT OF FOUNDATION SHALL BE:  
IN SOFT ROCK 1.5m  
IN HARD ROCK 0.6m  
SOL 2.0m BELOW SCOUR LEVEL.
5. IN CASE OF FOUNDATION IN ROCK, THE TRENCHES AROUND THE FOOTING SHALL BE FILLED UP WITH M-15 GRADE OF CONCRETE UP TO THE TOP OF THE ROCK.


#### NOTES:

1. DO NOT SCALE THIS DRAWING, FOLLOW WRITTEN DIMENSIONS ONLY.
2. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH SUPER STRUCTURE, SUB STRUCTURE DRAWINGS AND HIGHWAY PLAN & PROFILE DRAWINGS.
3. PROPOSED STRUCTURE IS DESIGNED FOR FOLLOWING IRC LOADINGS  
(3 LANE OF CLASS A) OR (1 LANE OF CLASS 70+1 LANE OF CLASS A)
4. SAFE BEARING CAPACITY AS PER GEOTECHNICAL REPORT - 60.0t/m<sup>2</sup>

#### MATERIALS:

1. ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METER UNLESS NOTED OTHERWISE.
2. UNLESS NOTED OTHERWISE ALL STRUCTURAL STEEL WORK SHALL BE DONE STRICTLY IN CONFORMATIONS TO THE SPECIFICATIONS.
3. UNLESS NOTED OTHERWISE ALL STRUCTURAL STEEL USED FOR THE STRUCTURES SHALL BE OF MILD STEEL CONFORMING IS:2062-2006 GRADE - B, E250 SHALL CONFORM TO IS:2062-2006.
4. ALL WELDS ARE MINIMUM 6mm, LEG SIZE CONTINUOUS FILLET OF MINIMUM LENGTH 150 mm. UNLESS NOTED OTHERWISE NOTED.
5. ELECTRODES FOR MILD STEEL SHALL CONFORM TO IS: 814-1991 & WELDING PROCEDURE SHALL BE AS PER IS: 814-1989 & IS: 9595-1996.
6. WELDING LENGTHS WHEREVER INDICATED ARE MINIMUM REQUIRED, HOWEVER, FULL CONTACT LENGTH TO BE WELDED IN ALL CASES UNLESS OTHERWISE NOTED.
7. UNLESS NOTED OTHERWISE ALL STRUCTURAL STEEL BOLT SHALL BE OF HIGH-STRENGTH STRUCTURAL BOLTS, THE BOLTS SHALL CONFORM TO IS: 3757-1985 PROPERTY HIGH STRENGTH STRUCTURAL NUTS SHALL CONFORM TO IS:6623- 1985 AND SHALL BE OF PROPERTY CL. 8 & 10 RESPECTIVELY AS SPECIFIED IN IS: 1367 (Part 6) - 1994
8. APPROPRIATE PLAN, SPRING AND TAPERED WISHERS CONFORMING TO IS:2016-1967, IS:5369-1975, IS:5370-1969, IS:5372-1975 & IS:5374-1975 SHALL BE USED WITH HEXAGON HEAD BOLTS.
9. ALL HOLES SHALL BE 21.5 DIA. DRILLED HOLES FOR M20 BOLTS UNLESS OTHERWISE NOTED.
10. PAINTING TO STRUCTURAL STEELWORK SHALL BE PROVIDED AS PER GENERAL SPECIFICATION FOR PAINTING, ALL STRUCTURAL STEEL WORK TO BE PAINTED WITH ONE COAT OF PRIMER AFTER FABRICATION FOLLOWED BY TWO COATS OF RED OXIDE ZINC CHROME PRIMER CONFORMING TO IS:2074 BEFORE ERECTION BOTH INTERNAL AND EXTERNAL SURFACE, FINISHED WITH TWO COATS OF ACRYLIC POLYURETHAN FINISH ALUMINUM PANTS CONFORMING TO IS:2339.
11. ALL SPLICE SHALL BE MADE AS SHOWN IN THE DRAWINGS UNLESS NOTED OTHERWISE.
12. THE ARRANGEMENTS OF THE BRIDGE WITH THE DETAILS AS SHOWN IN THIS DRAWING ARE TENTATIVE, ONLY, WHICH MAY VARY DURING THE FINAL DESIGN AND EXECUTION.


REV	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED
RO	27.04.19	FOR APPROVAL	KM	MSR	SD	PPR

Authority:  
  
**National Highways & Infrastructure Development Corporation Ltd.**  
(Govt of India Undertaking)




EPC Contractors:  
  
**Sushree Infra & Mining Limited**  
Plot No.246/A, MLA Colony, Road No.12, Banjara Hills, Hyderabad, Telangana-500034

Design Consultants:  
  
**Oms Infra Consultants Pvt.Ltd.**  
Off.No.713 Manjeera Majestic Commercial, Opp.JNTU Kukatpally, Hyderabad, Telangana - 500 085

Proof Consultants:  
**Transwat Engineering & Management Consultants**  
2<sup>nd</sup> Floor, Kintee Square, Road No. 12, Banjara Hills, Hyderabad - 500034

Authority Engineer:  
  
**HEC-AIPL (JV)**  
80, Ghansal Apartment 31, 1 p, Extension, Patparganj, New Delhi, East Delhi DI 110092 In

Project:  
CONSTRUCTION OF TWO-LANE WITH HARD SHOULDERS OF EXISTING HAYULIANG - HAWAI ROAD (NH-113) FROM DESIGN KM. 51.825 TO KM. 63.131 (EXISTING KM. 45.050 OF HAYULIANG - HAWAI ROAD TO HAWAI TOWN) (11.306 KM.) ON EPC BASIS IN THE STATE OF ARUNACHAL PRADESH UNDER SARDP-NE

Designed	CMD		Title:	GENERAL ARRANGEMENT DRAWING FOR MAJOR BRIDGE AT (CH:51+950) (2x15.0+1x170+2x15.0)
Drawn	MSR		Drp. No:	OMSICPLN-H/STR/GAD /101
Checked	KM			
Approved	PPR	