

ID :150 MANDAKINI RIVER BRIDGE \_ \_ \_ \_ \_

on Chainage 3.682 of Rudraprayag Gorikund National Highway

In District Rudraprayag Under NH Rudraprayag Division

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## Bridge Inventory Report

Division: NH Rudraprayag

Data not-yet finalized

### General

Name of Division : 131

Revenue Block Name : 17

Chainage (at Mid Point) : 3.682

Road/ Segment Name : 8

Bridge Type : Motor Bridge High Level

Structure No : 2

Feature Intersected : MANDAKINI

Name of Bridge : MANDAKINI RIVER BRIDGE

Nearest Town : RUDRAPRAYAG

Latitude (Northing) : 30.29589000

Longitude (Easting) : 78.97720200

Construction Year : 2012

Inventory Year : 2024

### Geometric

Overall length (in meter) : 95.00

Total No of Span : 3

Maximum Span (in meter) : 65.00

Span Arrangement : 1\*15+1\*65+1\*15

No of Lane : 2.000

Overall Width (m) : 12.000

Carriageway Width (m) : 7.800

RS Footpath Width (m) : 1.500

LS Footpath Width (m) : 1.500

Approach Width i/c Shoulders (m) : 12.000

Gradient (%age) : 0

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

### Design Data

HFL Highest Flood Level :

OFL Ordinary Flood Level :

LWL Low Water Level :

Design Velocity (m/Sec) :

Design Discharge (Cumecs) :

Soffit Level at Centre :

Road Level at Centre :

Design Scour Level at Pier :

Design Scour Level at Abutments :

Exposure Condition : Moderate

Seismic Importance factor : 0.0

Design Loading : Class A

Load Rating : Class A

Super-Structure

Superstructure Type : Box girder

Superstructure Material : Composite

Wearing Coat Type : Cement Concrete

Expansion Joint Type : Single Strip/Box Seal Joint

Railing/Crash Barrier type : Tubular steel

Bearing type : POT PIN

Sub-Structure

Founding Strata : Rocky

Abutment Foundation Type : Raft

Pier Foundation Type : Raft

No of Piers : 2

Abutment Type : RCC Box type

Pier Type : RCC Solid

Protection Work

Bank Protection Left Side of Up-stream : no protection work provided

Bank Protection Right Side of Up-stream : no protection work provided

Bank Protection Left Side of Down-stream : no protection work provided

Bank Protection Right Side of Down-stream : no protection work provided

Floor Protection on Up-stream : no protection work provided

Floor Protection on Down-stream : no protection work provided

Treatment for Corrosion Protection (if any) : no special treatment provided

final

Name of JE/AAE : Er. Vishwas saini

