

ID :75 Nihal Bridge \_ \_ \_ \_ \_

on Chainage 3.720 of Chandikhet Aashram devta Kundidhar road

In District Nainital Under PD Nainital Division

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## Bridge Inventory Report

Division: PD Nainital

Data not-yet finalized

### General

Name of Division : 9

Revenue Block Name : 78

Chainage (at Mid Point) : 3.720

Road/ Segment Name : 3024

Bridge Type : Motor Bridge High Level

Structure No : 4/1

Feature Intersected : Nihal Gadhera

Name of Bridge : Nihal Bridge

Nearest Town : Nainital

Latitude (Northing) : 29.37072200

Longitude (Easting) : 79.44413900

Construction Year : 2016

Inventory Year : 2021

### Geometric

Overall length (in meter) : 80.00

Total No of Span : 1

Maximum Span (in meter) : 80.00

Span Arrangement : 1x80

No of Lane : 2.000

Overall Width (m) : 10.700

Carriageway Width (m) : 7.400

RS Footpath Width (m) : 0.850

LS Footpath Width (m) : 0.850

Approach Width i/c Shoulders (m) : 12.100

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 : 1.0

Design Loading : Class A

Load Rating : Class A

Super-Structure

Superstructure Type : Truss

Superstructure Material : Steel

Wearing Coat Type : Cement Concrete

Expansion Joint Type : Single Strip/Box Seal Joint

Railing/Crash Barrier type : Steel rolled section

Bearing type : POT PIN

Sub-Structure

Founding Strata : Bouldery

Abutment Foundation Type : Open

Pier Foundation Type : NA

No of Piers : 0

Abutment Type : RCC counterfort type

Pier Type : NA

Protection Work

Bank Protection Left Side of Up-stream : abutment protection by Plum concrete wall

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 : abutment protection by Plum concrete wall

Floor Protection on Up-stream : no protection work provided

Floor Protection on Down-stream : protection by Plum concrete wall

Treatment for Corrosion Protection (if any) : primer and painting in superstructure

final

Name of JE/AAE : Sunil Kumar

