

ID :3797 Nakel Bridge _ _ _ _ _

on Chainage 0.275 of Lachhampur-Nakel Motor Road.

In District Nainital Under PD Nainital Division

Bridge Inventory Report

Division: PD Nainital

Data not-yet finalized

General

Name of Division : 9

Revenue Block Name : 82

Chainage (at Mid Point) : 0.275

Road/ Segment Name : 9550

Bridge Type : Motor Bridge High Level

Structure No : 1/1

Feature Intersected : Sukhi River

Name of Bridge : Nakel Bridge

Nearest Town : Lachampur

Latitude (Northing) : 29.15852900

Longitude (Easting) : 79.69984700

Construction Year : 2024

Inventory Year : 2025

Geometric

Overall length (in meter) : 60.00

Total No of Span : 1

Maximum Span (in meter) : 60.00

Span Arrangement : 1x60

No of Lane : 1.500

Overall Width (m) : 6.500

Carriageway Width (m) : 5.500

RS Footpath Width (m) : 0.550

LS Footpath Width (m) : 0.550

Approach Width i/c Shoulders (m) : 6.500

Gradient (%age) : 0

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

Design Data

HFL Highest Flood Level : 343.000

OFL Ordinary Flood Level : 342.000

LWL Low Water Level : 341.020

Design Velocity (m/Sec) : 5.00

Design Discharge (Cumecs) : 827.00

Soffit Level at Centre : 348.000

Road Level at Centre : 345.880

Design Scour Level at Pier : 0.000

Design Scour Level at Abutments : 4.000

Exposure Condition : Moderate

Seismic Importance factor : 1.0

Design Loading : Class A

Load Rating : Class A

Super-Structure

Superstructure Type : Plate Girder

Superstructure Material : Steel

Wearing Coat Type : Cement Concrete

Expansion Joint Type : Single Strip/Box Seal Joint

Railing/Crash Barrier type : Tubular steel

Bearing type : Roller & Rocker

Sub-Structure

Founding Strata : Bouldery

Abutment Foundation Type : Open

Pier Foundation Type : NA

No of Piers : 0

Abutment Type : RCC Box type

Pier Type : NA

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 :

