

ID :483 Nihal Bridge \_ \_ \_ \_ \_

on Chainage 2.350 of Gadarpur Milakkhanam road

In District Udham Singh Nagar Under PD Rudrapur Division

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## Bridge Inventory Report

Division: PD Rudrapur

Data not-yet finalized

### General

Name of Division : 23

Revenue Block Name : 86

Chainage (at Mid Point) : 2.350

Road/ Segment Name : 4729

Bridge Type : Motor Bridge High Level

Structure No : 3/1

Feature Intersected : Nihal River

Name of Bridge : Nihal Bridge

Nearest Town : Gadarpur

Latitude (Northing) : 29.04136944

Longitude (Easting) : 79.22031000

Construction Year : 1982

Inventory Year : 2021

### Geometric

Overall length (in meter) : 27.05

Total No of Span : 3

Maximum Span (in meter) : 9.35

Span Arrangement : 3\*9.35

No of Lane : 1.500

Overall Width (m) : 7.000

Carriageway Width (m) : 5.500

RS Footpath Width (m) : 0.750

LS Footpath Width (m) : 0.750

Approach Width i/c Shoulders (m) : 7.000

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 : T-beam and slab

Superstructure Material : Reinforced concrete

Wearing Coat Type : Bituminous Concrete

Expansion Joint Type : Not Provided

Railing/Crash Barrier type : Cast-in-situ concrete

Bearing type : Not Provided

Sub-Structure

Founding Strata : Soft clayey

Abutment Foundation Type : Well

Pier Foundation Type : NA

No of Piers : 2

Abutment Type : RCC buttressed type

Pier Type : RCC Solid

Protection Work

Bank Protection Left Side of Up-stream : Boulder Pitching

Bank Protection Right Side of Up-stream : Boulder Pitching

Bank Protection Left Side of Down-stream : Boulder Pitching

Bank Protection Right Side of Down-stream : Boulder Pitching

Floor Protection on Up-stream : Stone Pitching

Floor Protection on Down-stream : Stone Pitching

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

final

Name of JE/AAE : Er. Ravi Dani

