

ID :483 Nihal Bridge _ _ _ _ _

on Chainage 2.350 of Gadarpur Milakkhanam road

In District Udham Singh Nagar Under PD Rudrapur Division

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

