

ID :821 Kalyani Bridge \_ \_ \_ \_ \_

on Chainage 0.350 of Rudrapur Bypass 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 : 87

Chainage (at Mid Point) : 0.350

Road/ Segment Name : 521

Bridge Type : Motor Bridge High Level

Structure No : 1/1/1

Feature Intersected : Kalyani River

Name of Bridge : Kalyani Bridge

Nearest Town : Rudrapur

Latitude (Northing) : 28.97650000

Longitude (Easting) : 79.40526000

Construction Year : 2016

Inventory Year : 2021

### Geometric

Overall length (in meter) : 18.00

Total No of Span : 1

Maximum Span (in meter) : 18.00

Span Arrangement : 1\*18

No of Lane : 2.000

Overall Width (m) : 10.500

Carriageway Width (m) : 7.500

RS Footpath Width (m) : 1.500

LS Footpath Width (m) : 1.500

Approach Width i/c Shoulders (m) : 15.000

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 : 1.0

Design Loading : Class AA

Load Rating : Class AA

Super-Structure

Superstructure Type : T-beam and slab

Superstructure Material : Pre-stressed concrete

Wearing Coat Type : Bituminous Concrete

Expansion Joint Type : Other

Railing/Crash Barrier type : Tubular steel

Bearing type : other

Sub-Structure

Founding Strata : Hard clayey

Abutment Foundation Type : Raft

Pier Foundation Type : NA

No of Piers : 0

Abutment Type : RCC buttressed 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 : Er. Sachin Kumar

