

ID :555 Kalyani \_ \_ \_ \_ \_

on Chainage 1.700 of Lalkuan Kichha marg par se Shantipuri ko jodne wala sampark marg

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) : 1.700

Road/ Segment Name : 4820

Bridge Type : Motor Bridge High Level

Structure No : 2/1

Feature Intersected : Kalyani river

Name of Bridge : Kalyani

Nearest Town : Shantipuri

Latitude (Northing) : 28.99611111

Longitude (Easting) : 79.52777800

Construction Year : 1975

Inventory Year : 2021

### Geometric

Overall length (in meter) : 43.00

Total No of Span : 4

Maximum Span (in meter) : 10.75

Span Arrangement : 1\*5

No of Lane : 1.000

Overall Width (m) : 6.000

Carriageway Width (m) : 6.000

RS Footpath Width (m) : 0.500

LS Footpath Width (m) : 0.500

Approach Width i/c Shoulders (m) : 3.750

Gradient (%age) : 0

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

### Design Data

HFL Highest Flood Level : 2000.000

OFL Ordinary Flood Level : 200.000

LWL Low Water Level : 100.000

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 B

Load Rating : Class B

Super-Structure

Superstructure Type : T-beam and slab

Superstructure Material : Reinforced concrete

Wearing Coat Type : Cement Concrete

Expansion Joint Type : Filler

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

Bearing type : Roller & Rocker

Sub-Structure

Founding Strata : Hard clayey

Abutment Foundation Type : Well

Pier Foundation Type : Well

No of Piers : 5

Abutment Type : RCC buttressed type

Pier Type : RCC Solid

Protection Work

Bank Protection Left Side of Up-stream : Stone Pitching

Bank Protection Right Side of Up-stream : Stone Pitching

Bank Protection Left Side of Down-stream : Stone Pitching

Bank Protection Right Side of Down-stream : Stone Pitching

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. Kishor Kumar

