

ID :116 Ranipokhri Bridge \_ \_ \_ \_ \_

on Chainage 14.820 of Rishikesh Bhaniyawala state highway

In District Dehradun Under TD Rishikesh Division

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## Bridge Inventory Report

Division: TD Rishikesh

Data not-yet finalized

### General

Name of Division : 53

Revenue Block Name : 33

Chainage (at Mid Point) : 14.820

Road/ Segment Name : 86

Bridge Type : Motor Bridge High Level

Structure No : 15/4

Feature Intersected : Jakhan river

Name of Bridge : Ranipokhri Bridge

Nearest Town : Jollygrant

Latitude (Northing) : 30.18926700

Longitude (Easting) : 78.19915900

Construction Year : 1964

Inventory Year : 2020

### Geometric

Overall length (in meter) : 431.60

Total No of Span : 86

Maximum Span (in meter) : 6.00

Span Arrangement : 86x5.02

No of Lane : 2.000

Overall Width (m) : 6.700

Carriageway Width (m) : 6.700

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approach Width i/c Shoulders (m) : 8.000

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 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 : Single Strip/Box Seal Joint

Railing/Crash Barrier type : Pre-cast concrete

Bearing type : Elastomeric

Sub-Structure

Founding Strata : Bouldery

Abutment Foundation Type : Open

Pier Foundation Type : Open

No of Piers : 35

Abutment Type : RCC counterfort type

Pier Type : RCC Solid

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 : In plum and wire create

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 : plum concrete

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

final

Name of JE/AAE :

