

ID :3468 Rajeswari Nagar Bridge _ _ _ _ _

on Chainage 1.200 of Mohkampur Rajeshwari Nursery to Divya Bihar Mianwala Road in Dehradun

In District Dehradun Under TD Rishikesh Division

Bridge Inventory Report

Division: TD Rishikesh

Data not-yet finalized

General

Name of Division : 53

Revenue Block Name : 32

Chainage (at Mid Point) : 1.200

Road/ Segment Name : 1490

Bridge Type : Motor Bridge High Level

Structure No : 1/1

Feature Intersected : Dulhni River

Name of Bridge : Rajeswari Nagar Bridge

Nearest Town : Dehradun

Latitude (Northing) : 30.27591300

Longitude (Easting) : 78.08523600

Construction Year : 2022

Inventory Year : 2022

Geometric

Overall length (in meter) : 30.00

Total No of Span : 1

Maximum Span (in meter) : 30.00

Span Arrangement : 1X30

No of Lane : 2.000

Overall Width (m) : 8.500

Carriageway Width (m) : 7.500

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approach Width i/c Shoulders (m) : 8.500

Gradient (%age) : 0

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

Design Data

HFL Highest Flood Level : 593.810

OFL Ordinary Flood Level : 593.460

LWL Low Water Level : 953.300

Design Velocity (m/Sec) : 0.75

Design Discharge (Cumecs) : 14.00

Soffit Level at Centre : 598.400

Road Level at Centre : 598.400

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 : Pre-stressed concrete

Wearing Coat Type : Cement Concrete

Expansion Joint Type : Single Strip/Box Seal Joint

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

Bearing type : POT PIN

Sub-Structure

Founding Strata : Sandy

Abutment Foundation Type : Raft

Pier Foundation Type : NA

No of Piers : 0

Abutment Type : RCC counterfort type

Pier Type : NA

Protection Work

Bank Protection Left Side of Up-stream : R.R. 1:4

Bank Protection Right Side of Up-stream : R.R. 1:4

Bank Protection Left Side of Down-stream : R.R. 1:4

Bank Protection Right Side of Down-stream : R.R. 1:4

Floor Protection on Up-stream : P.C.C.

Floor Protection on Down-stream : P.C.C.

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

Name of JE/AAE :

