

ID :2672 Bhautowala R.C.C. Bridge \_ \_ \_ \_ \_

on Chainage 3.300 of Rusha Farm to Bhuttowala Road

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) : 3.300

Road/ Segment Name : 1450

Bridge Type : Motor Bridge High Level

Structure No : 1/2

Feature Intersected : Bangala Nala

Name of Bridge : Bhautowala R.C.C. Bridge

Nearest Town : Bhautowala

Latitude (Northing) : 30.07765400

Longitude (Easting) : 78.22998700

Construction Year : 2010

Inventory Year : 2020

### Geometric

Overall length (in meter) : 40.00

Total No of Span : 3

Maximum Span (in meter) : 13.60

Span Arrangement : 1x13.30,1x13.10,x1x13.60

No of Lane : 1.000

Overall Width (m) : 4.800

Carriageway Width (m) : 4.250

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approach Width i/c Shoulders (m) : 6.000

Gradient (%age) : 5

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

### Design Data

HFL Highest Flood Level : 341.300

OFL Ordinary Flood Level : 340.500

LWL Low Water Level : 339.400

Design Velocity (m/Sec) :

Design Discharge (Cumecs) :

Soffit Level at Centre :

Road Level at Centre : 344.000

Design Scour Level at Pier :

Design Scour Level at Abutments :

Exposure Condition : Severe

Seismic Importance factor : 0.0

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 : Single Strip/Box Seal Joint

Railing/Crash Barrier type : Steel rolled section

Bearing type : other

Sub-Structure

Founding Strata : Bouldery

Abutment Foundation Type : Open

Pier Foundation Type : Open

No of Piers : 2

Abutment Type : RCC Box type

Pier Type : other

Protection Work

Bank Protection Left Side of Up-stream : R.R. Stone Masonry

Bank Protection Right Side of Up-stream : Wire Crate

Bank Protection Left Side of Down-stream : R.R. Stone Masonry

Bank Protection Right Side of Down-stream : R.R. Stone Masonry & Plum Concrete

Floor Protection on Up-stream : no protection work provided

Floor Protection on Down-stream : R.C.C. cutoff wall, Plum Concrete

Treatment for Corrosion Protection (if any) : Down Stream floor continues scouring time to time floor protection work required

final

Name of JE/AAE :

