

ID :3117 Alaknanda River Bridge _ _ _ _ _

on Chainage 0.500 of Kirtinagar Badiyar Dhaurangi Saurakhal motor road

In District Tehri Under TD Kirtinagar Division

Bridge Inventory Report

Division: TD Kirtinagar

Data not-yet finalized

General

Name of Division : 47

Revenue Block Name : 22

Chainage (at Mid Point) : 0.500

Road/ Segment Name : 192

Bridge Type : Motor Bridge High Level

Structure No : 0

Feature Intersected : Alaknanda

Name of Bridge : Alaknanda River Bridge

Nearest Town : Kirtinagar

Latitude (Northing) : 30.12510000

Longitude (Easting) : 78.45060000

Construction Year : 1957

Inventory Year : 2010

Geometric

Overall length (in meter) : 85.34

Total No of Span : 2

Maximum Span (in meter) : 70.00

Span Arrangement : 1x70+1x15.34

No of Lane : 1.000

Overall Width (m) : 5.000

Carriageway Width (m) : 4.200

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approach Width i/c Shoulders (m) : 6.000

Gradient (%age) : 0

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

Design Data

HFL Highest Flood Level : 3000.000

OFL Ordinary Flood Level : 2000.000

LWL Low Water Level : 1500.000

Design Velocity (m/Sec) : 0.00

Design Discharge (Cumecs) : 0.00

Soffit Level at Centre : 25.000

Road Level at Centre : 25.000

Design Scour Level at Pier : 0.000

Design Scour Level at Abutments : 0.000

Exposure Condition : Moderate

Seismic Importance factor : 1.0

Design Loading : Class B
Load Rating : Class B
Super-Structure
Superstructure Type : Cable stayed
Superstructure Material : Steel
Wearing Coat Type : Cement Concrete
Expansion Joint Type : Single Strip/Box Seal Joint
Railing/Crash Barrier type : Tubular steel
Bearing type : Roller & Rocker
Sub-Structure
Founding Strata : Rocky
Abutment Foundation Type : Open
Pier Foundation Type : Open
No of Piers : 1
Abutment Type : Stone Masonry
Pier Type : Stone Masonry
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. Alka Rani

