

ID :3117 Alaknanda River Bridge \_ \_ \_ \_ \_

on Chainage 0.500 of Kirtinagar Badiyar Dhaurangi Saurakhal motor road

In District Tehri Under TD Kirtinagar Division

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## 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

