

ID :682 Pre-Stressed Concrete Bridge at Kaliyar Dargha Sarif _ _ _ _ _

on Chainage 5.600 of Roorkee Kaliar Dhanauri Canal motor road

In District Haridwar Under CD Roorkee Division

Bridge Inventory Report

Division: CD Roorkee

Data not-yet finalized

General

Name of Division : 59

Revenue Block Name : 91

Chainage (at Mid Point) : 5.600

Road/ Segment Name : 141

Bridge Type : Motor Bridge High Level

Structure No : 1

Feature Intersected : Ganga Canal

Name of Bridge : Pre-Stressed Concrete Bridge at Kaliyar Dargha Sarif

Nearest Town : Piran Kaliyer

Latitude (Northing) : 29.92310000

Longitude (Easting) : 77.93594000

Construction Year : 2018

Inventory Year : 2021

Geometric

Overall length (in meter) : 85.00

Total No of Span : 3

Maximum Span (in meter) : 28.33

Span Arrangement : 1x28.33+1x28.33+1x28.33

No of Lane : 2.000

Overall Width (m) : 7.500

Carriageway Width (m) : 7.500

RS Footpath Width (m) : 1.750

LS Footpath Width (m) : 1.750

Approach Width i/c Shoulders (m) : 12.000

Gradient (%age) : 3

Skew Angle (degree) : 30.00

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 : Cement Concrete

Expansion Joint Type : Single Strip/Box Seal Joint

Railing/Crash Barrier type : Tubular steel

Bearing type : POT PIN

Sub-Structure

Founding Strata : Rocky

Abutment Foundation Type : Open

Pier Foundation Type : Well

No of Piers : 0

Abutment Type : Stone Masonry

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 : 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 :

