

ID :3570 Tumadiya Dam Bridge _ _ _ _ _

on Chainage 0.250 of Tumadiya Dam road at Ramnagar.

In District Nanital Under CD Ramnagar Division

Bridge Inventory Report

Division: CD Ramnagar

Data not-yet finalized

General

Name of Division : 11

Revenue Block Name : 81

Chainage (at Mid Point) : 0.250

Road/ Segment Name : 2925

Bridge Type : Motor Bridge High Level

Structure No : 1/1

Feature Intersected : Kosi Feeder

Name of Bridge : Tumadiya Dam Bridge

Nearest Town : Maldhan Chor

Latitude (Northing) : 29.33823500

Longitude (Easting) : 78.94589000

Construction Year : 2023

Inventory Year : 2025

Geometric

Overall length (in meter) : 60.00

Total No of Span : 2

Maximum Span (in meter) : 30.00

Span Arrangement : 1X30+1X30

No of Lane : 1.500

Overall Width (m) : 10.000

Carriageway Width (m) : 5.500

RS Footpath Width (m) : 1.500

LS Footpath Width (m) : 1.500

Approach Width i/c Shoulders (m) : 7.000

Gradient (%age) : 0

Skew Angle (degree) : 0.00

Radius of Curve in Plan (if Any) : 0.00

Design Data

HFL Highest Flood Level : 251.000

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 : Mild

Seismic Importance factor : 1.0

Design Loading : Class A

Load Rating : Class A

Super-Structure

Superstructure Type : T-beam and slab

Superstructure Material : Composite

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 : Soft clayey

Abutment Foundation Type : Well

Pier Foundation Type : Well

No of Piers : 1

Abutment Type : RCC Box type

Pier Type : RCC Solid

Protection Work

Bank Protection Left Side of Up-stream : Gabians in two rows provided in 120 m length

Bank Protection Right Side of Up-stream : Gabians in two rows provided in 120 m length

Bank Protection Left Side of Down-stream : Gabians in two rows provided in 54 m length

Bank Protection Right Side of Down-stream : Gabians in two rows provided in 54 m length

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 :

