

ID :857 Grastanganj Bridge \_ \_ \_ \_ \_

on Chainage 1.000 of Grastanganj to Fire Station.

In District Pauri Under CD Dugadda Division

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## Bridge Inventory Report

Division: CD Dugadda

Data not-yet finalized

### General

Name of Division : 71

Revenue Block Name : 43

Chainage (at Mid Point) : 1.000

Road/ Segment Name : 3185

Bridge Type : Motor Bridge High Level

Structure No : 1/1

Feature Intersected : KHO RIVER

Name of Bridge : Grastanganj Bridge

Nearest Town : KOTDWAR

Latitude (Northing) : 29.75055600

Longitude (Easting) : 78.52888900

Construction Year : 2019

Inventory Year : 2021

### Geometric

Overall length (in meter) : 90.00

Total No of Span : 3

Maximum Span (in meter) : 90.00

Span Arrangement : 3X30

No of Lane : 2.000

Overall Width (m) : 8.000

Carriageway Width (m) : 7.500

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approach Width i/c Shoulders (m) : 7.500

Gradient (%age) : 3

Skew Angle (degree) : 0.00

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 : Severe

Seismic Importance factor : 1.5

Design Loading : Class A

Load Rating : Class A

Super-Structure

Superstructure Type : Box girder

Superstructure Material : Pre-stressed concrete

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 : Sandy

Abutment Foundation Type : Open

Pier Foundation Type : Open

No of Piers : 2

Abutment Type : RCC counterfort type

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 : SANTOSH BHARDWAJ AAE

