

ID :652 Arch Bridge of Sookhi River at Khatima Melaghat \_\_\_\_\_

on Chainage 5.700 of Khatima Melaghat Road

In District Udham Singh Nagar Under CD Khatima Division

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## Bridge Inventory Report

Division: CD Khatima

Data not-yet finalized

### General

Name of Division : 24

Revenue Block Name : 89

Chainage (at Mid Point) : 5.700

Road/ Segment Name : 6248

Bridge Type : Motor Bridge High Level

Structure No : 1/3

Feature Intersected : Arch Bridge of Sookhi River at Khatima Melaghat

Name of Bridge : Arch Bridge of Sookhi River at Khatima Melaghat

Nearest Town : KHATIMA

Latitude (Northing) : 28.88314400

Longitude (Easting) : 80.00651700

Construction Year : 1927

Inventory Year : 2021

### Geometric

Overall length (in meter) : 95.47

Total No of Span : 11

Maximum Span (in meter) : 8.67

Span Arrangement : 11x8.67m

No of Lane : 1.500

Overall Width (m) : 5.500

Carriageway Width (m) : 5.120

RS Footpath Width (m) : 0.000

LS Footpath Width (m) : 0.000

Approach Width i/c Shoulders (m) : 12.000

Gradient (%age) : 0

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 : Moderate

Seismic Importance factor : 1.0

Design Loading : Class A

Load Rating : Class A

Super-Structure

Superstructure Type : Arch

Superstructure Material : Masonry

Wearing Coat Type : Bituminous Concrete

Expansion Joint Type : Not Provided

Railing/Crash Barrier type : other

Bearing type : other

Sub-Structure

Founding Strata : Soft clayey

Abutment Foundation Type : Open

Pier Foundation Type : Open

No of Piers : 11

Abutment Type : Brick Masonry

Pier Type : Brick 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 : prakash singh

