

ID :654 Jhankaiya Arc Bridge at Khatima Melaghat _____

on Chainage 7.300 of Khatima Melaghat Road

In District Udham Singh Nagar Under CD Khatima Division

Bridge Inventory Report

Division: CD Khatima

Data not-yet finalized

General

Name of Division : 24

Revenue Block Name : 89

Chainage (at Mid Point) : 7.300

Road/ Segment Name : 6248

Bridge Type : Motor Bridge High Level

Structure No : 1/5

Feature Intersected : Jhankaiya Arc Bridge at Khatima Melaghat

Name of Bridge : Jhankaiya Arc Bridge at Khatima Melaghat

Nearest Town : Khatima

Latitude (Northing) : 28.88051900

Longitude (Easting) : 80.01641700

Construction Year : 1953

Inventory Year : 2021

Geometric

Overall length (in meter) : 62.80

Total No of Span : 5

Maximum Span (in meter) : 40.50

Span Arrangement : 1x5.0+1x5.0+1x40.5+1x5.0+1x5.0

No of Lane : 1.000

Overall Width (m) : 4.000

Carriageway Width (m) : 3.650

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 : Reinforced concrete

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 : 4

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

