

90-degree inclined bridge



Summary of Content

The Bhopal Rail Over Bridge features an unusual 90-degree turn, sparking safety concerns, public ridicule, and administrative action against engineers.

Overview

The bridge, officially known as the Aishbagh Rail Over Bridge (ROB), was constructed to connect Mahamai Ka Bagh, Pushpa Nagar, and New Bhopal, aiming to ease traffic congestion for up to 300,000 daily commuters . Completed in June 2025 at a cost of approximately \$2.3 million (Rs 18-20 crore), the bridge gained notoriety for a nearly 90-degree turn midway along its elevated roadway .

Design Challenges

The sharp turn resulted from limited land availability and the proximity of a Metro station and railway property, which forced engineers to adjust the layout multiple times over seven years . Initial designs included a 45-degree turn, but subsequent revisions were made to accommodate changing infrastructure plans, ultimately leading to the abrupt 90-degree angle .

Public and Administrative Response

After photos and videos of the bridge went viral on social media, public safety concerns prompted the immediate closure of the bridge before it opened to traffic . The unusual design drew widespread criticism and international attention, leading to the suspension of seven engineers, including two chief engineers, and a departmental inquiry against a retired superintendent engineer . Both the construction and design firms were blacklisted by the government .

Current Status

Article Content

Skew Bridge: A Comprehensive Guide to Understanding, Designing,

A Skew Bridge is characterised by a deck that intersects its supports at an angle other than 90 degrees. The skew

Bridge collapses in India | 90-degree turns to 20 dead in Gujarat: Why ...

90-degree turns to 20 dead in Gujarat: Why India's bridges become breaking news From Gujarat to Maharashtra,

"Experts Suddenly Appear...": PWD Minister On Criticism Of 90-Degree ...

Aishbagh railway overbridge in Bhopal criticized for sharp 90-degree turn. Residents and experts fear the turn could

Analysis and Design of Inclined Columns

The challenge of concrete placement in inclined structures like the MIS-RJ columns involves ensuring proper consolidation without

Bhopal's "90-degree turn" bridge to be redesigned after public outrage

Bhopal's ₹18-crore Aishbagh rail overbridge is set to be redesigned following a viral backlash over its sharp 90-degree

Bhopal 90-Degree Bridge: Expert Tells Madhya

A rail overbridge in Bhopal that has become a subject of memes and public outcry for its "90

REVIEW ON SKEW SLAB BRIDGES

Skew slabs are those slabs whose sides are non-orthogonal and opposite angles are equal but other than 90 degrees. These are the

After Bhopal 90-Degree Flyover, Z-Shaped Railway Overbridge In Indore

After the controversial 90-degree bridge in Bhopal's Aishbagh, a new Railway Over Bridge (ROB) under construction in

Madhya Pradesh government suspends 7 engineers

The newly built over-bridge became a subject of criticism and ridicule with local residents and netizens

EFFECT OF SKEWNESS ON REINFORCED CONCRETE SLAB

When a road alignment passes through a river or any obstruction at any inclination different than 90-degree, skew Bridge required.

Analysis of inclined leg angle on stress of V-shaped ...

Super-Large Bridge as an example, this paper analyzes the influence of inclined leg angle on the stress of a

7 Engineers Suspended After \$2.3 Million Bridge Includes Bizarre 90 ...

Ever had to make a 90-degree turn on a bridge? No? That's the problem. In India, seven engineers just got suspended

Bhopal's Baffling Bridge: When Urban Planning Took a Hard Right ...

Not just a metaphor—this bridge actually makes a sharp 90-degree turn. Constructed to connect two densely packed

Bhopal bridge with 90-degree turn stumps people, officials defend ...

A new railway overbridge in Bhopal has stirred controversy due to its sharp 90-degree turn, raising safety concerns

Case study on stability performance of asymmetric steel arch bridge ...

The results demonstrate an excellent stability of the arch bridge because of the transverse constraint provided by

Bridge Geometry Manual

Figure 2.5 orientations for the two methods used in this manual. and Figure 2.6 south in their show the naming are respective

7 Engineers Suspended After \$2.3 Million Bridge

A brand-new \$2.3 million bridge in Bhopal, India, is going viral—not because it solved traffic,

Bridge Project Halt: 90-Degree Turn Issue

The uproar began with a railway over-bridge in Bhopal featuring a near 90-degree turn, forcing drivers into

Bridge with inclined piers. | Download Scientific Diagram

Download scientific diagram | Bridge with inclined piers. from publication: The effect of circular bridge piers with different inclination

Newly Constructed Bridge Features A Nearly 90-Degree Turn

Photos of a road bridge built over railroad tracks, featuring a nearly 90-degree turn have been spreading on social

Scour depth at inclined bridge piers along a straight path: A ...

Scour depth around bridge piers depends on several factors including the geometrical parameters of the bridge

Experimental Study of Inclined Bridge Pier Scouring

In present study two inclined rectangular piers (upstream pier and downstream pier) with different angle of inclination and varying

Bhopal's "90-degree" bridge has a turn of 118-119 degrees, expert tells

An expert's report to the Madhya Pradesh High Court revealed that the controversial Bhopal rail overbridge, criticized

Skew Bridge: A Comprehensive Guide to Understanding, Designing,

Skew Bridge: A Comprehensive Guide to Understanding, Designing, and Maintaining Skew Bridges Introduction to

REVIEW ON SKEW SLAB BRIDGES

Raj & Phani (2017) study deals with the design and study on the behavior of skew slab bridges with various skew angles using STAD

Lesson In Geometry? Bhopal Bridge With 90-Degree

The Aishbagh Overbridge in Bhopal has been built at a cost of Rs 18 crore. It features a

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Bridge With 90-Degree Angle: Madhya Pradesh

The newly built over-bridge became a subject of criticism and ridicule with local residents

Experimental Study of Inclined Bridge Pier Scouring

The present study investigates the effect of angle of inclination of dual bridge pier configuration on local scouring

Buckling of bridges with inclined legs

This paper presents the analytical equations of equilibrium for a nonsymmetrical bridge with inclined legs, using the

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