

Bhutan s self-locking bridge structure



Overview

The suspension bridge, adorned with colorful prayer flags, offers breathtaking views and a unique crossing experience. Spanning the two banks of the Pho Chhu, its cables are securely anchored to cement blocks. Suspended about 60 meters above the Pho Chhu, the bridge stretches. Bhutan has a distinctive bridge building heritage spanning centuries, from the iron chain suspension bridges constructed by the 15th-century polymath Thangtong Gyalpo to traditional wooden cantilever bridges known as bazams. Bazams or wooden Cantilever Bridges were invented for situations where wooden single-span bridges were not sufficiently long to span a river. The limit for such bridges was about 10. Rising at the confluence of the Phochhu and Mochhu rivers, Punakha Dzong, also known as Pungthang Dewa Chhenbi Phodrang, stands as one of Bhutan's most treasured architectural masterpieces. A favourite among travellers, this swaying marvel not only connects nearby villages but also provides a thrilling experience amidst. Behind Punakha Dzong stretches the Punakha Suspension Bridge, the longest of its kind in Bhutan. Two arms with timber superimposed are.



Article Content

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Punakha Timber Bridge, Bhutan

Despite the span being increased from 35 m to 50 m as a result of the flood, the bridge was rebuilt as a classic cantilever bridge

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Bhutanese Bazams or Wooden Cantilever Bridges

Bazams or wooden Cantilever Bridges were invented for situations where wooden single-span bridges were not sufficiently long to

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Bhutan's amazing iron chain bridges

Drupthob Thangtong Gyalpo was the man who built the iron chain bridges in Bhutan in the 1400s, and is said to have

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Exhibition

In Bhutan, with her unlimited number of rivers and gorges, all kind of bridges were built since times remembered. Bazams or wooden

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The New Cantilever Bridge of Punakha in the Kingdom of Bhutan

Accidents The “Pro Bhutan” - bazam at Punakha, with a span of 55 meters, will be, of the lumber men were, unfortunately, not rare.

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Punakha Suspension Bridge | Visit Bhutan

A Bridge Steeped in History Believed to be built by the revered Buddhist monk Thangtong Gyalpo, the

May 13, 2026

Progress Report on the Present Conditions and Technical

The paper introduces a technical cooperation project on bridge maintenance management in Bhutan. The project is

Nov 11, 2025

Punakha Suspension Bridge in Bhutan 2026

The Punakha Suspension Bridge is considered the longest of its kind in Bhutan. It is

Jun 07, 2026

PUNAKHA, BHUTAN : SUSPENSION BRIDGE - TOKIDOKI (NOMAD)

The Punakha Suspension Bridge, spanning the Po Chhu River in Bhutan, is among the country's longest suspension

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Suspended in Beauty: Punakha's Breathtaking Bridge That Captivates ...

The Punakha Suspension Bridge, one of Bhutan's longest, stretches gracefully over the Pho Chhu River, offering breathtaking views

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List of bridges in Bhutan

Two arms with timber superimposed are built on either side of the river, above the highest flood-level point, while being weighted to

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Punakha Suspension Bridge - How to Reach, Best

Plan your visit to Punakha Suspension Bridge in Bhutan. Learn how to reach, the best

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Association between bridge characteristics and maintenance ...

Bridges are essential structures in road network connectivity. In Bhutan, there are 235 bridges under the Department

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Punakha Bazam: The World's Longest Wooden

In Bhutan, a Bazam refers to a traditional bridge, often covered and built in the cantilever style, crafted from

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Punakha Suspension Bridge: A Handy Guide To Explore It!

If you have that zeal inside, then the Punakha suspension bridge is a must-visit while in

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Suspension Bridge, Punakha, Bhutan

Visitors can stop here for a quick and authentic view of true Bhutan. In order to access the suspension

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Bridge Engineering Reference Manual

This document provides guidelines for bridge engineering in Bhutan. It covers topics such as preliminary data collection, site

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Punakha Bazam: The World's Longest Wooden

The longest wooden cantilever bridge in the world In Bhutan, a Bazam refers to a traditional bridge, often

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A Walk Above the Clouds: Discover the Magic of Punakha's

The Punakha Suspension Bridge, one of Bhutan's longest, stretches gracefully over the Pho Chhu River, offering breathtaking views

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Punakha Suspension Bridge - Truly thrilling and massive

Punakha Suspension Bridge is one of Bhutan's longest suspension bridges, reaching 160

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Punakha Suspension Bridge

Punakha Suspension Bridge is located in Bhutan, is one of the Most Iconic Structures. It spans the Po

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Punakha Suspension Bridge | Bhutan's Longest

Punakha Suspension Bridge is the longest suspension bridge in Bhutan measuring 180 m

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Punakha Suspension Bridge Bhutan: What to Expect

The bridge itself is a simple structure made from steel cables and wooden planks, lined with prayer flags that move constantly in the

Dec 01, 2025

BHUTAN. TECHNICAL REPORT

Camber to the bridge trussed-girder structure is automatically provided during assembly and for a 15.0 metre bridge span the camber

Apr 10, 2026

Paradigm and Practice in Construction of Modern Bridges in Bhutan

Bhutan requires a major paradigm shift in improving the bridge construction practices. Many of the design that CDCL has referred

Jul 26, 2025

Over a 600-year-old Iron Bridge to Tachog Lhakhang in

The 600-year-old Bridge connecting to Tachog Lhakhang This Tibetan genius traveled

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Structural Analysis and Design of Moveable Bridges

Again, the main structural members of the span of vertical lift bridges can be either trusses or girders and the main structural

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Tachogang Lhakhang Bridge, Paro

Hanging over the Paro River, Tachogang Lhakhang Bridge is a hidden treasure that awaits in Bhutan. All you need to

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Punakha Suspension Bridge | Bhutan's Longest

Explore Punakha Suspension Bridge, one of Bhutan's longest bridges, with stunning river

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Tachog Lhakhang Iron Bridge — BhutanWiki

Tachog Lhakhang (Temple of the Hill of the Excellent Horse) and its iron chain suspension bridge were built in the 15th century by

Apr 23, 2026

Bridge Building Heritage of Bhutan — BhutanWiki

The most celebrated tradition is that of the iron chain suspension bridges attributed to the 15th-century Buddhist master Thangtong

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For more information, pricing, or custom solutions, please contact us:

Website: <https://www.chromadecksigns-eastrand.co.za>

Email: sales@chromadecksigns-eastrand.co.za

Phone: +32 2 318 5792

Address: Avenue Louise 500, 1050 Brussels, Belgium

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