

# BANGABANDHU SHEIKH MUJIBUR RAHMAN TUNNEL

The Bangabandhu Sheikh Mujibur Rahman Tunnel represents a groundbreaking achievement for Bangladesh, marking the country's first-ever tunnel and South Asia's inaugural underwater

tunnel. With its role as an alternative transportation route, the tunnel will connect the riverbanks of Patenga and Anwara, promising to significantly ease traffic congestion within the

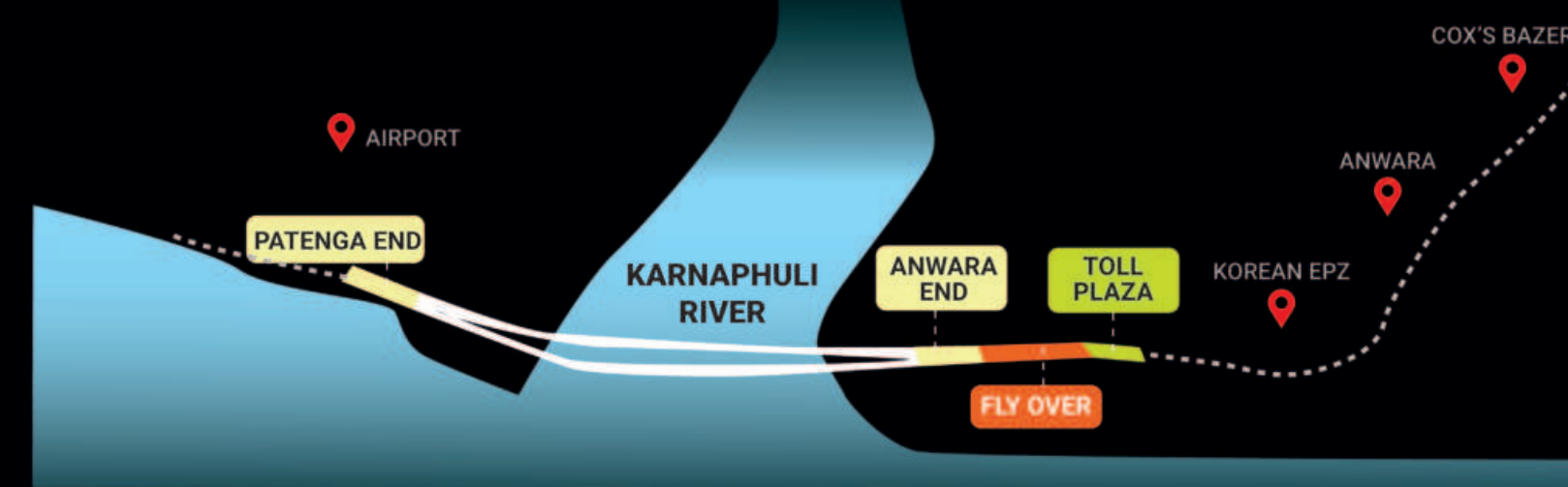
port city. It will also breathe new life into the tourism sector in the region. Moreover, the Karnaphuli tunnel is poised to unlock exciting opportunities for economic growth by attracting

industrial investments. Its integration with the Asian Highway will also facilitate seamless cross-border trade, connecting India, Bangladesh, and Myanmar.



Executing agency  
**Bangladesh Bridge Authority (BBA),  
Bridge Division, Ministry of Road  
Transport and Bridges.**

Contractor  
**China Communications Construction  
Company Ltd. (CCCC)**



## TOTAL COST

Estimated Total Cost  
**BDT 10689.71 CRORE**

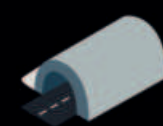
Govt. of Bangladesh  
**BDT 4619.70 CRORE**

Project Aid (Loan)  
**BDT 6070.01 CRORE**  
The amount will be paid by China through the  
Export Import Bank of China.

## KEY FEATURES



Tunnel type  
**DUAL TWO-LANE  
TUNNEL**



**WEST END**  
Located 2 km downstream from  
Karnaphuli River, near the Airport  
and Navy Academy.



**EAST END**  
At the Anwara end near the  
Kafco fertiliser factory



Length of Tunnel Tube  
**2.450 KM**



Length of Main Tunnel  
**3.32 KM**



Maximum Depth:  
**42.80 M**



Tunnel Diameter (outside)  
**11.80 M**



Tunnel Diameter (inside)  
**10.80 M**



Vertical Clearance inside the  
Tunnel **4.90 M**



Number of Tunnel Tubes  
**2**



Maximum Slope:  
**4%**



Road inside the Tunnel  
**2 LANE ROAD**



Maximum speed limit of  
**80 KM/H**

## IMPACT

Uninterrupted and suitable road communication in Chattogram city, as well as the development of existing road networks.

Development of new road communication among Dhaka-Chattogram-Cox's Bazar.

Strengthened role of Chattogram as a transportation hub.

Improved communication between the two sides of the Karnaphuli River.

Connection of the developing town beside the east part of the Karnaphuli River with the downtown area to expedite the development work.

Reduction of traffic pressure on the two existing road bridges.

Support for blue economy activities in Bangladesh, focusing on the Bay of Bengal.

Financial and Economic Internal Rates of Return (IRR) of 6.19% and 12.49%, respectively.

Support for the Korean Export Processing Zone (KPEZ) and the Exclusive Chinese Economic Zone (ECEZ) in Anwara upazilla.

The Financial and Economic Benefit Cost Ratios (BCR) will be approximately 1.05 and 1.50.

The tunnel's operation will boost GDP growth by 0.166%.

Connection with the Asian Highway Network (AHN).

## TIMELINE



**2010**  
Prime Minister Sheikh Hasina pledged to build a tunnel under the Karnaphuli River during a public gathering in Chattogram.



**2014**  
On June 9, an MoU was signed with the Chinese government to build the tunnel during PM Sheikh Hasina's visit to China.



**2015**  
In November, ECNEC approved the tunnel project.



**2016**  
On October 14, foundation stone of the tunnel project was laid by Bangladesh PM Sheikh Hasina and Chinese President Xi Jinping. The loan agreement related to the project was signed on the same day.



**2017**  
Construction began on December 5.



**2019**  
On February 24, PM Sheikh Hasina inaugurated the boring work of the first tunnel tube.



**2020**  
On December 12, Road Transport and Bridges Minister Obaidul Quader inaugurated the boring work of the second tunnel tube.



**2022**  
On November 26, PM Sheikh Hasina announced the completion of the civil works of the first tube of the tunnel.



**2023**  
Inauguration of the Bangabandhu Tunnel on October 28.

Infographic Design:  
Md. Akram Hossen  
Content:  
Priyam Paul  
Tuhin Shubhra Adhikary  
Moumita Sultana Hema  
Photo:  
Md Rajib Raihan

**THE FASTEST WAY TO COX'S BAZAR SEA BEACH IS NOW UNDER THE RIVER KARNAPHULI!**



PROPELLING  
NATION'S  
PROGRESS

**BSRM SUPPLIED 72% OF THE STEEL**  
used in the Bangabandhu Road Tunnel

