

# Bangladesh

## Transport Climate Profile

Population (2024)  
**174.7 million**

Urban population  
**41%**

Below 18 y.o.  
**32%**

Population density  
**1,329 persons per sqkm**

Rural population  
**59%**

Above 60 y.o.  
**10%**

Subregion  
(1) **South Asia**

Gross domestic product  
(1) (GDP PPP, 2022)  
**1.27 trillion USD**

(1) Domestic consumption per capita, tonnes (2024)  
**3.8 tonnes**

(1,2) *Domestic consumption is the total amount of materials directly used in the economy (used domestic extraction plus imports), minus the materials that are exported.*

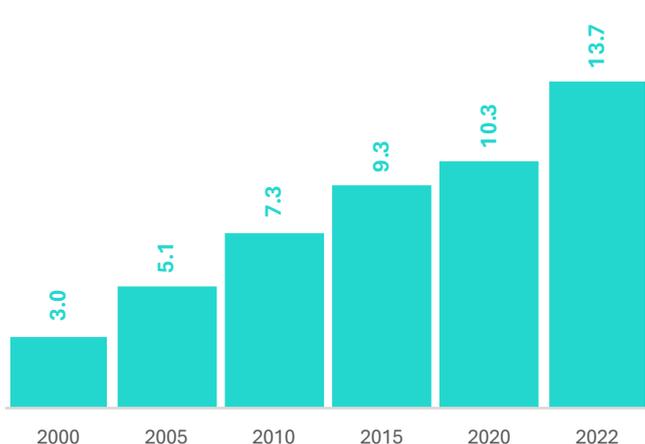
Income class  
**Low and lower middle income**

GDP per capita (PPP, 2022)  
**7,398 USD** (1,2)  
(2)

(3)

## Transport and Climate Change

Transport fossil CO2 emissions, million tonnes



(4)

*In 2010, transport contributed 12.3% of total fossil CO2 emissions. By 2022, transport contributed 12.6%.*

Share of transport CO2 emissions by mode (2022)

| Road **77.0%** | Rail **11.6%** (4)

| Navigation **11.5%** | Aviation **0.0%** (4)

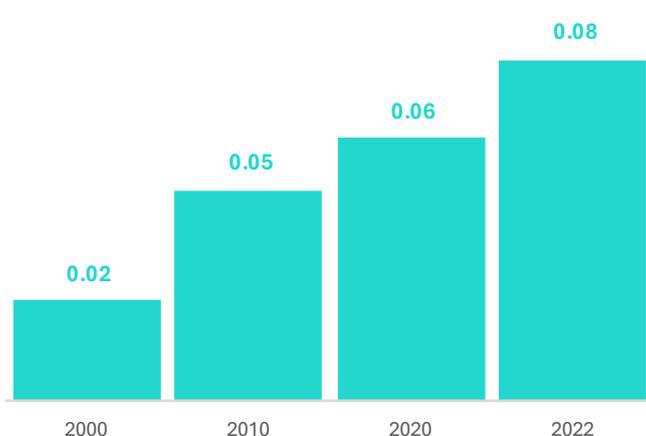
*Navigation and aviation only includes domestic transportation*

*Between 2000-2015, road transport contributed 74.1% in transport fossil CO2 emissions. Between 2016-2022, road transport contributed 76.0%.*

Transport CO2 emissions intensity with GDP, 2022  
**10.8 gCO2 per USD**

*Asia-Pacific average is 33.2 gCO2 per USD*

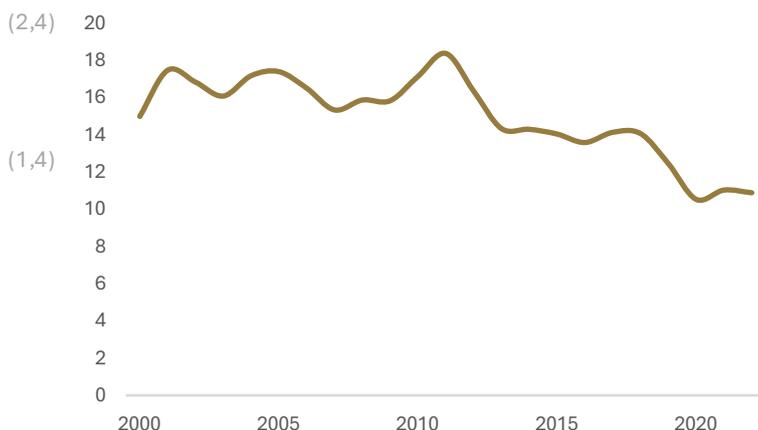
Transport fossil CO2 emissions per capita, tonnes



(2,4)

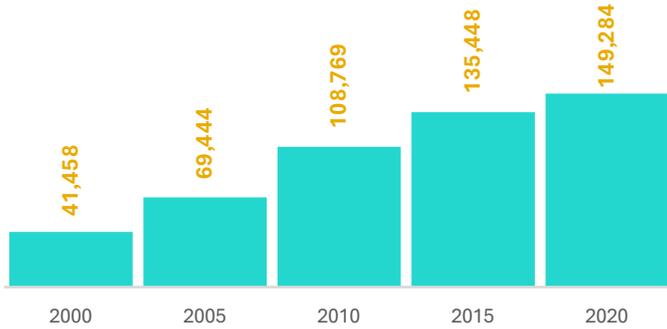
Transport CO2 emissions intensity with GDP trend, gCO2 per USD

(2,4)



(1,4)

Transport energy consumption, terajoules

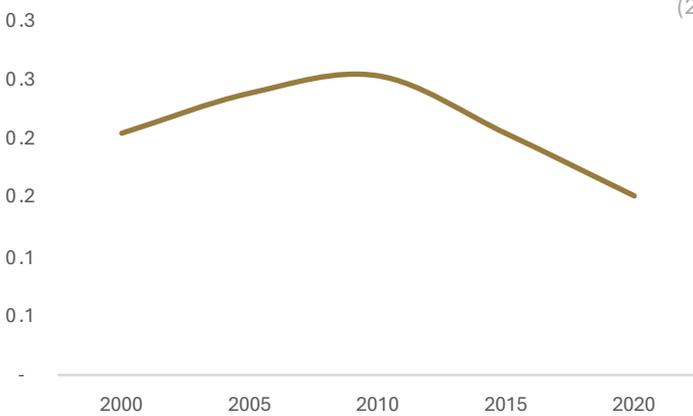


Transport energy intensity with GDP, 2020

**0.2 MJ per USD**

Asia-Pacific average is 0.5 MJ per USD

Transport energy intensity with GDP trend, MJ per USD

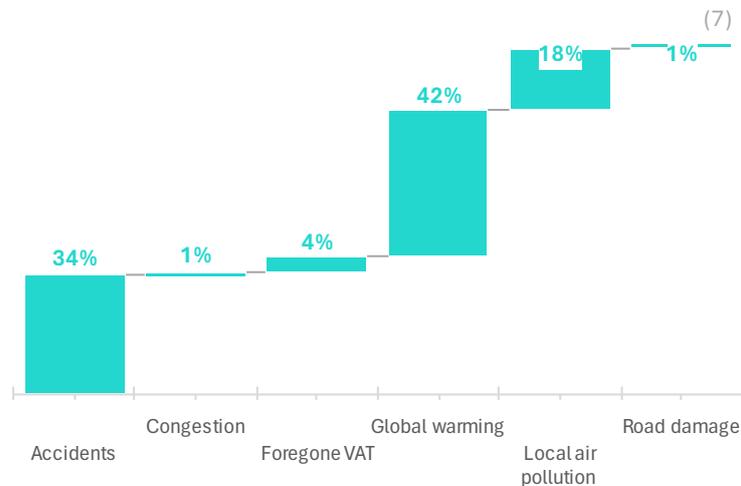


Transport fossil fuel subsidies, cumulative from 2010 to 2022

**2.68 billion USD**

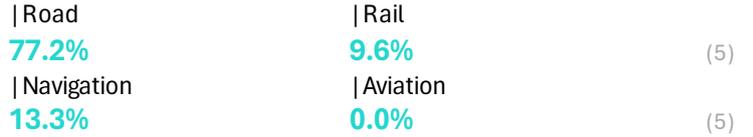
0.4% of Asia-Pacific total

Implicit fossil fuel subsidies due to externalities



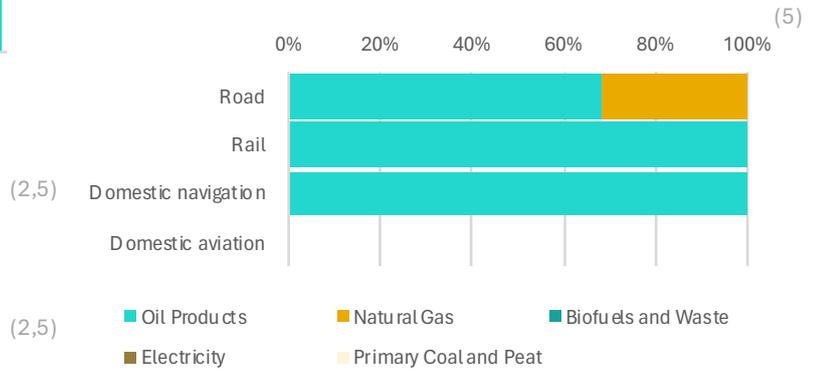
Data includes all sectors and all fuel types

Share of transport energy consumption by mode (2020)



Navigation and aviation only includes domestic transportation

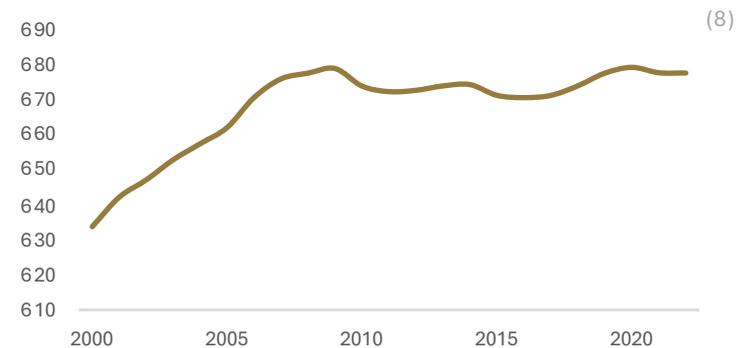
Share of transport energy consumption by source (2020)



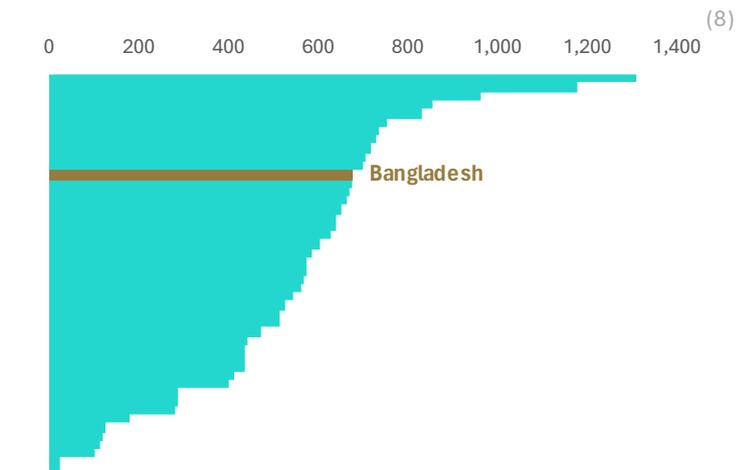
Grid emission factor (2022)

**677.4 gCO<sub>2</sub> per kWh**

Grid emission factor trend, gCO<sub>2</sub> per kWh



Grid emission factors in Asia-Pacific, gCO<sub>2</sub> per kWh



## Vehicle Fleet

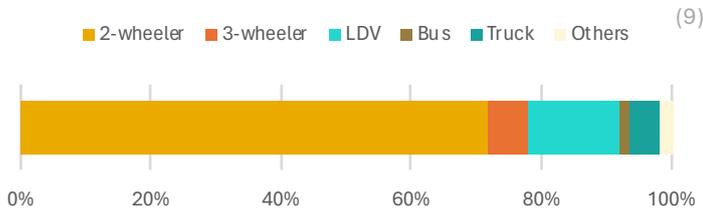
Road vehicles (2022)  
**5.46 million vehicles**

Road vehicle motorization rate (2022)  
**32 vehicles per thousand population**

*Road vehicles include 2- and 3-wheelers, LDVs, buses and other informal public transport, trucks, and other unclassified types*

*In 2000, Bangladesh had 5 vehicles per thousand population. By 2022, this has increased to 32 compared with Asia-Pacific average of 577 in 2022.*

Share of vehicles by type



Bus vehicle production, units

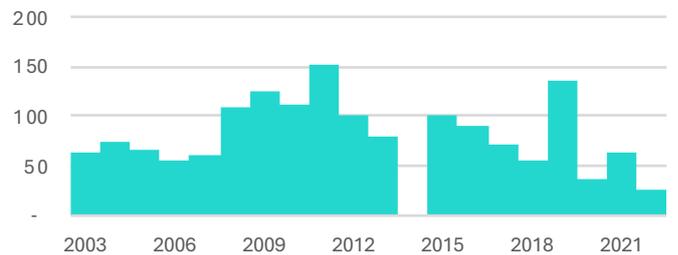
Electric road vehicle import value (2017-2022)  
 (9) | Total **1.13 billion USD** | Hybrid-electric **689.1 million USD** (11)

(1,9) Electric road vehicle share in total road vehicle import value trend (11)



Bus import value (2017-2022)  
**187.3 million USD** (11)

(10) Bus import value trend, assuming 2015=100 (11)



## Adaptation

Average annual losses to transport infrastructure due to hazards (2023)  
**178.95 million USD**

Share of average annual losses due to hazards, by mode (2022)

Road	<b>79%</b>	Rail	<b>14%</b>
Ports	<b>2%</b>	Airports	<b>5%</b>

National road vulnerability index ranking (2023)  
**191st out of 208 countries**

Share of population in low elevated coastal zones (2018)  
**9%**

Average annual losses to transport infrastructure due to hazards, as a share of GDP, in Asia-Pacific (2023) (12)



## Urban Transport

Urban rapid transit length (2021)

| BRT **None** | LRT **None**

| Metro **None** (16)

Urban rapid transit ratio in Asia- Pacific, kilometers per million urban population (2021)

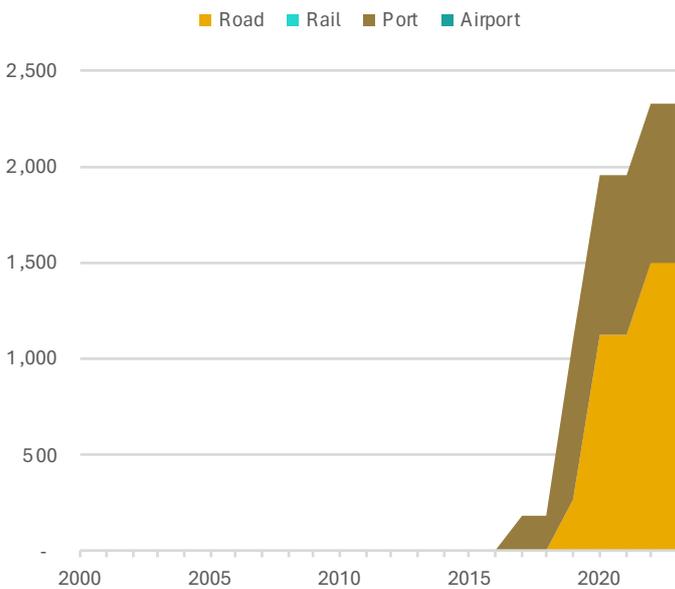
Urban rapid transit ratio (2021) **NA** (1,16)

Urban rapid transit ratio, kilometers per million urban population (2000-2021)

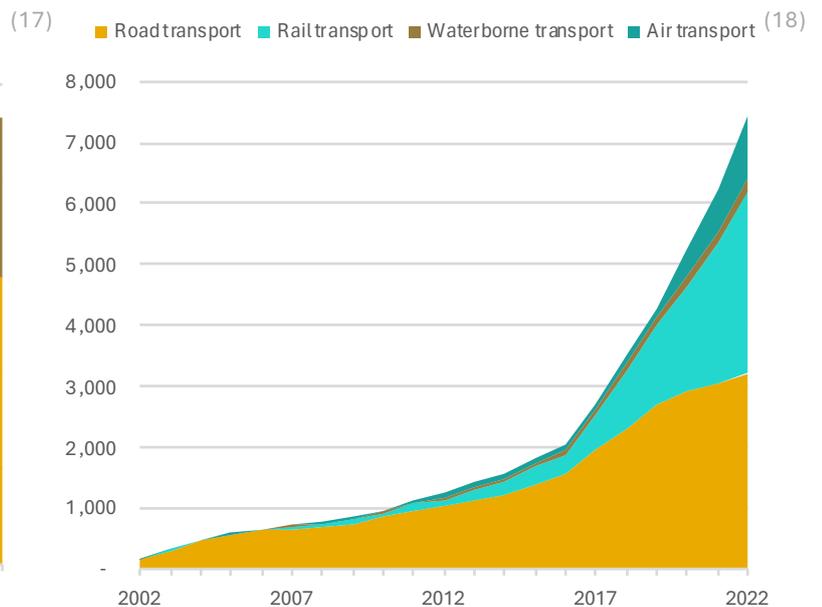
*Based on 2015 estimates, only 90% of the population could reach the nearest city in 30 minutes, another 8% could reach in 1 hour, and another 2% could reach only after 3 hours.*

## Transport Investment

Public-private partnership investments in the transport sector, million USD



Official development assistance in the transport sector, million USD



## Transport Climate Policy Documents

Transport-related policy documents in Bangladesh



*Selection made based on the number of climate change mitigation and adaptation*

## Nationally Determined Contributions

<b>First Nationally Determined Contributions (Updated) (adopted in 2021)</b>	Mitigation measures	Road transport	Rail transport	Domestic navigation	Domestic aviation	Urban transport
	Mitigation targets	Yes	Yes	Yes		Yes
	Adaptation measures					Yes
	Adaptation targets					Yes

## Long-term Strategies

<b>None</b>	Mitigation measures	Road transport	Rail transport	Domestic navigation	Domestic aviation	Urban transport
	Mitigation targets					
	Adaptation measures					
	Adaptation targets					

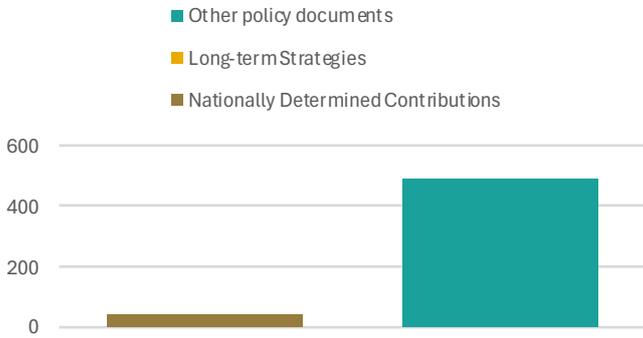


Developed with the support of:

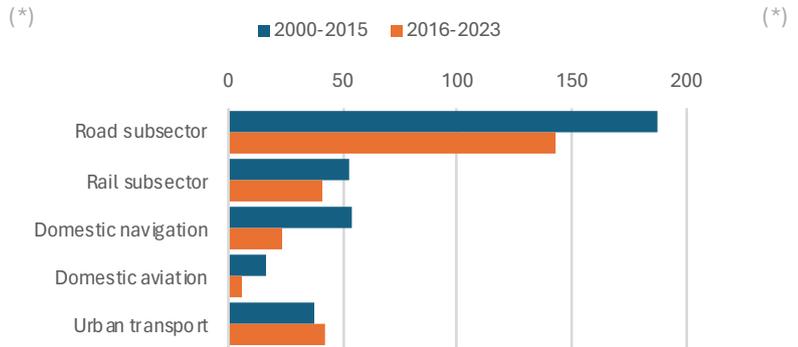


## Transport Climate Policy Overview

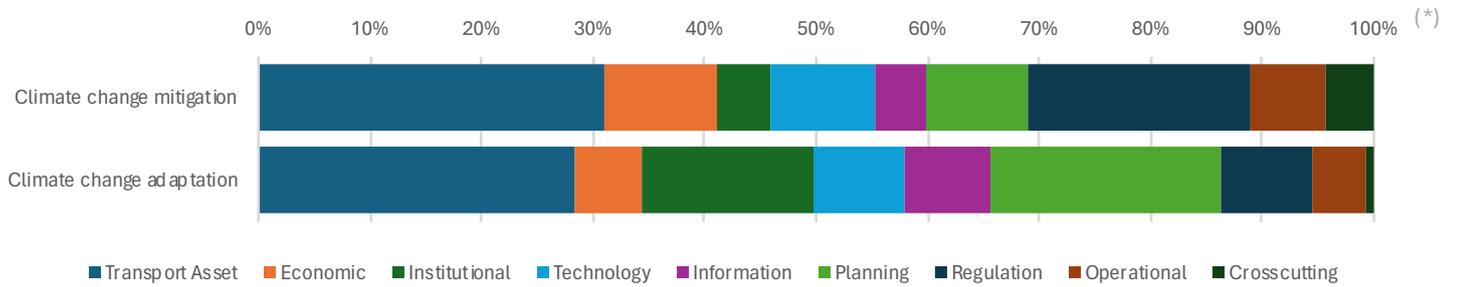
Number of measures by source



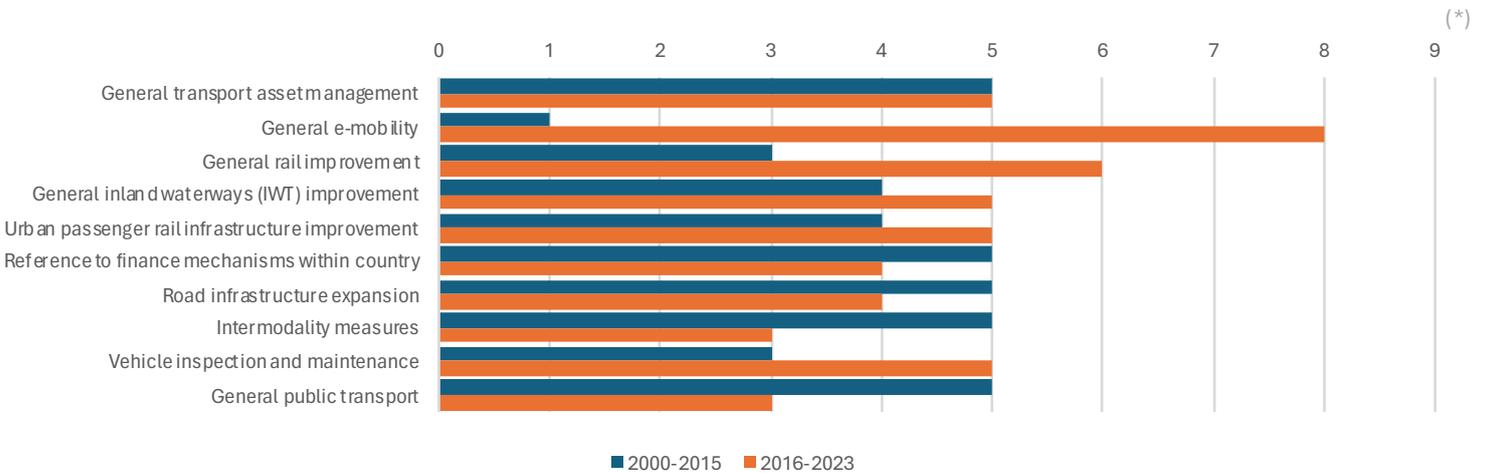
Number of climate change measures by subsectors



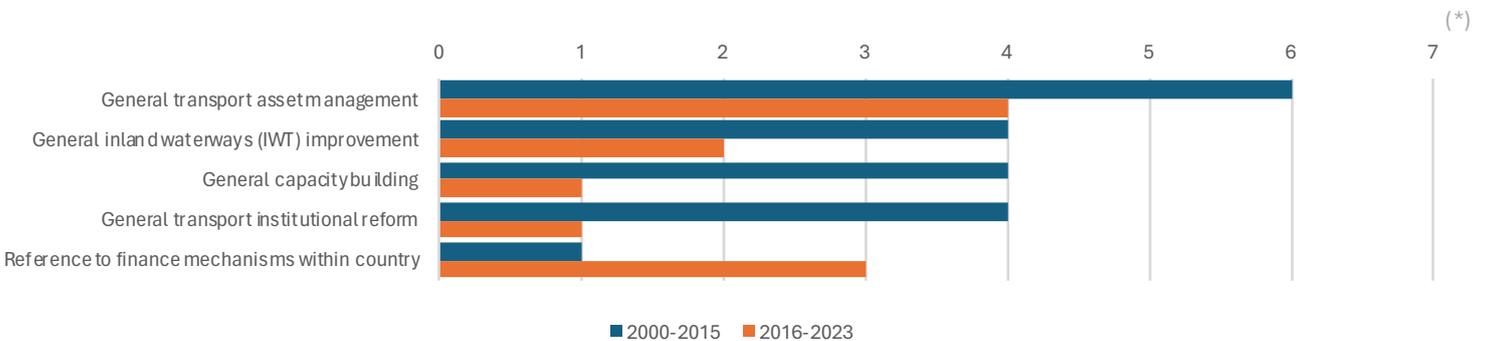
Transport-related climate change by framework



Climate change mitigation top 10 typology, number of measures



Climate change adaptation top 5 typology, number of measures



## Climate Change Mitigation Policy Measures - Road Transport

Policy document	Year	Measures
National Integrated Multi-modal Transport Policy	2013	Active transport infrastructure expansion, Road space repurpose to allow access for other modes, General active mobility, Intermodality measures, General infrastructure improvements, Vehicle inspection and maintenance, General international conventions, LPG/ CNG/ LNG, Development of public transport plan/ policy, Budget/ identification of public transport projects, BRT, Bus fleet renewal, Express lanes/ public transport priority, Public transit integration, General public transport, General transport asset management, Access restriction by corridor/ road, Parking pricing, Road charging and tolls, Traffic management, Reference to finance mechanisms within country, General capacity building, Road infrastructure expansion, Define roles and accountabilities across agencies, General transport institutional reform, Stakeholder Involvement, Development of road plan/ policy, Development of transport plan/ policy, National speed law, Passenger and freight load limits, Audits/ star rating required for new road infrastructure for road safety, Vehicle air pollution emission standards
National Sustainable Development Strategy 2010-2021	2010	General transport asset management, Access restriction by corridor/ road, Road infrastructure expansion
National Road Safety Strategic Action Plan	2014	Active transport infrastructure expansion, General data repositories and data collection, Road-side vehicle technical checks, Vehicle scrappage scheme, Technical standards for road infrastructure, General parking measures, Accreditation of vehicle inspection centers, Vehicle air pollution emission standards
Road Transport Act 2018	2018	Vehicle inspection and maintenance, Accreditation of vehicle inspection centers, National speed law, Passenger and freight load limits, Road-side checks on overloading
First Nationally Determined Contributions (Updated)	2021	Active transport infrastructure expansion, EV charging infrastructure, General e-mobility, Target - Modal shift, Road charging and tolls, Investment required for specific projects, Road infrastructure expansion
Mujib Climate Prosperity Plan	2021	Active transport infrastructure expansion, General active mobility, EV manufacturing, Fiscal incentives for EVs and components, Hydrogen, General e-mobility, Reduction of transport/ logistics costs, General shared mobility, General transport asset management, Investment required for specific projects, Road infrastructure expansion, Vehicle manufacturing
National Land Transport Policy	2004	Active transport infrastructure expansion, Road space repurpose to allow access for other modes, General active mobility, Intermodality measures, General infrastructure improvements, Vehicle inspection and maintenance, Technical standards for road infrastructure, LPG/ CNG/ LNG, Development of public transport plan/ policy, Bus fleet renewal, Express lanes/ public transport priority, Public transit integration, General IPT/ paratransit measures, General public transport, Routine transport asset maintenance, General transport asset management, Road charging and tolls, Vehicle taxes, General economic instruments, General parking measures, General transport demand management, Reference to finance mechanisms within country, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Road infrastructure expansion, Coordinate planning across government agencies, Development of other transport-related plan/ policy, Development of road plan/ policy, Passenger and freight load limits, Road-side checks on overloading, Vehicle air pollution emission standards, General vehicle improvements
Perspective Plan of Bangladesh 2021-2041	2012	Active transport infrastructure expansion, Intermodality measures, General infrastructure improvements, Intelligent transport systems (ITS), Technical standards for road infrastructure, BRT, Asphalt mix resurfacing, General transport asset management, Road charging and tolls, General parking measures, General transport finance, General capacity building, Road infrastructure expansion, General transport institutional reform, Passenger and freight load limits, General vehicle improvements
Roadmap and Action Plan for Implementing Bangladesh NDC	2018	Active transport infrastructure expansion, Intermodality measures, Fuel quality, Vehicle inspection and maintenance, Technical standards for road infrastructure, Biofuels, LPG/ CNG/ LNG, BRT, Bus fleet renewal, General public transport, General transport asset management, Traffic management, Ecodriving

## Climate Change Mitigation Policy Measures - Road Transport

Policy document	Year	Measures
Eighth Five Year Plan	2020	Road space repurpose to allow access for other modes, General active mobility, Intermodality measures, Vehicle inspection and maintenance, Intelligent transport systems (ITS), General alternative fuels, BRT, Bus fleet renewal, General transport asset management, Road charging and tolls, General parking measures, Road infrastructure expansion, Development of road plan/ policy, Passenger and freight load limits, Vehicle efficiency standards
First Nationally Determined Contributions (Interim Updated)	2020	General e-mobility, Fuel quality, Vehicle scrappage scheme, BRT, Vehicle air pollution emission standards
Voluntary National Reviews (VNRs) 2020	2020	General infrastructure improvements, Fuel quality, Vehicle scrappage scheme, LPG/ CNG/ LNG, BRT, Vehicle air pollution emission standards
59 UN Transport Agreements/ and Conventions Serviced by ECE	2021	Convention on Road Traffic 1949
Automobile Industry Development Policy 2021	2021	EV charging infrastructure, Fiscal incentives for EVs and components, Vehicle inspection and maintenance, Vehicle scrappage scheme, General innovations and digitalization, General transport finance, Coordinate planning across government agencies, General transport institutional reform, General vehicle improvements, Vehicle manufacturing
Global Status Report on Road Safety 2018	2018	Design standards for sidewalks and bicycle paths, National speed law, Speed limits on urban roads <= 30 kph, Speed limit on rural roads <= 70 kph, Speed limit on motorways <= 90 kph
Draft National Solar Energy Roadmap, 2021-2041	2020	Development of e-mobility transport plan/policy, EV charging infrastructure, General e-mobility
Bangladesh Delta Plan 2100 Vol. 3.a	2018	Development of road plan/ policy
Intended Nationally Determined Contributions	2015	General public transport, Target - Modal shift, Investment required for specific projects, Road infrastructure expansion, Eco-driving
Air pollution Reduction Strategy for Bangladesh	2012	Fuel quality, Vehicle inspection and maintenance, Vehicle scrappage scheme, LPG/ CNG/ LNG, Routine transport asset maintenance, Vehicle taxes, Vehicle air pollution emission standards, Vehicle restrictions (import, age, access, sale, taxation)
Bangladesh. National Communication (NC). NC 3	2018	Travel time improvement, Target - Modal shift, Investment required for specific projects, General education and behavior change
Road Master Plan 2009	2009	Intermodality measures, General infrastructure improvements, Technical standards for road infrastructure, Performance-based transport maintenance contracts, Routine transport asset maintenance, General transport asset management, General transport demand management, Reference to finance mechanisms within country, General transport institutional reform, Stakeholder Involvement, Passenger and freight load limits, Road-side checks on overloading, General vehicle improvements
Final Report on Updating Railway Master Plan	2017	General transport asset management
Vehicle Axle Load Control Station Operation Policy 2012	2012	Passenger and freight load limits
Road Safety Opportunities and Challenges: Low- and Middle-Income Country Profiles	2020	Vehicle inspection and maintenance, Vehicle import inspections, Vehicle restrictions (import, age, access, sale, taxation)

## Climate Change Mitigation Targets - Road Transport

Policy document	Target year	Targets
Perspective Plan of Bangladesh 2021-2041	2041	All village roads would be converted to asphalt standard with at least one lane to facilitate rural mobility of passengers and products.
Draft National Solar Energy Roadmap, 2021-2041	2041	the government can take an initiative to install solar charging stations in all 64 districts, with special emphasis on the eight divisional cities. By 2041 a total of 121 MW of solar charging station capacity can be installed, 8.125 MW in each divisional city and 1 MW in the remaining 56 districts.
Mujib Climate Prosperity Plan	2030	We will enable EV manufacturing to contribute up to 10% of GDP by 2030.
Mujib Climate Prosperity Plan	2030	Shift at least 30% of the transportation fleet to electric by 2030
Mujib Climate Prosperity Plan	2025	We will ensure 50% of the rideshare fleet is green/electric.
Mujib Climate Prosperity Plan	2030	We will ensure 100% of the rideshare fleet is green/electric.
		Targets 2025: ☑ Rehabilitate/ Upgrade 846 km existing rail line.
		Target 2025: Transport Infrastructure quality Country ranking = 80 Score = 47
Eighth Five Year Plan	2025	Baseline 2019: Transport Infrastructure quality Country ranking = 100 Score = 42
		share of Fair to Good road surfaces will be increased from 81% to 90% for overall RHD Road Network
		Target 2025: Construction of 4/6/8 lane roads = 550 km Construction of new roads lane = 150 km Improvement/ Rehabilitation of National Highways = 1800 km Improvement/ Rehabilitation of Regional & Zila Highways = 12,700 km Construction of bridges/culverts = 37,500 meters Reconstruction of bridges/culverts = 4,100 meters Construction of Flyover/Overpass = 11,000 meters Construction of Rigid Pavement = 375 km Weigh Bridge/ Axle Load Control Station = 30 number
Eighth Five Year Plan	2025	
		Unconditional: Modal shift from road to rail (10% modal shift of passenger-km) through different Transport projects such as BRT, MRT in major cities, Multi-modal hub creation, Padma Bridge etc.
First Nationally Determined Contributions (Updated)	2030	Conditional: Modal shift from road to rail (25% modal shift of passenger-km) through different Transport projects such as BRT, MRT in major cities, Multi-modal hub creation, new bridges etc.
Intended Nationally Determined Contributions	2030	To achieve a shift in passenger traffic from road to rail of up to around 20% by 2030 compared to the business as usual.

## Climate Change Mitigation Targets - Road Transport

Policy document	Target year	Targets
Bangladesh. National Communication (NC). NC 3	2030	Improvement of road traffic congestion % improvement in fuel efficiency High = 15% Medium = 10% Low = 5%

## Climate Change Mitigation Policy Measures - Rail Transport

Policy document	Year	Measures
National Land Transport Policy	2004	Intermodality measures, General rail improvement, Public transit integration, Urban passenger rail infrastructure improvement, General transport asset management, General economic instruments, General transport finance, Reference to finance mechanisms within country, General capacity building, Freight rail infrastructure improvement, Coordinate planning across government agencies, Development of rail plan/ policy
National Integrated Multi-modal Transport Policy	2013	Railway electrification, Intermodality measures, General infrastructure improvements, General rail improvement, Technical standards for rail infrastructure, General international conventions, Public transit integration, Urban passenger rail infrastructure improvement, General public transport, Transport asset condition assessment, General transport asset management, General transport finance, Freight rail infrastructure improvement, Define roles and accountabilities across agencies, General transport institutional reform, Stakeholder Involvement, Development of rail plan/ policy, Development of road plan/ policy
Final Report on Updating Railway Master Plan	2017	General rail improvement, Rail infrastructure expansion, Development of rail plan/ policy
Roadmap and Action Plan for Implementing Bangladesh NDC	2018	General rail improvement, Vehicle scrappage scheme, Urban passenger rail infrastructure improvement, Financial instruments to support decarbonisation
Eighth Five Year Plan	2020	Railway electrification, Intermodality measures, General rail improvement, Urban passenger rail infrastructure improvement, High-speed rail (HSR), General transport asset management, Technology and knowledge transfer, Freight rail infrastructure improvement, Rail infrastructure expansion
Perspective Plan of Bangladesh 2021-2041	2012	Intermodality measures, General rail improvement, Urban passenger rail infrastructure improvement, Non-urban passenger rail infrastructure improvement, High-speed rail (HSR), General transport asset management, General transport finance, Technology and knowledge transfer, General capacity building, Freight rail infrastructure improvement, Rail infrastructure expansion, General transport institutional reform
Mujib Climate Prosperity Plan	2021	Hydrogen, Railway electrification, General e-mobility, Freight transport shifting to rail or inland waterways (IWT), Reduction of transport/ logistics costs
Bangladesh. National Communication (NC). NC 3	2018	Target - Modal shift, Investment required for specific projects, General education and behavior change
Voluntary National Reviews (VNRs) 2020	2020	General infrastructure improvements, Urban passenger rail infrastructure improvement
Intended Nationally Determined Contributions	2015	General public transport, Target - Modal shift, Investment required for specific projects
Bangladesh Delta Plan 2100 Vol. 3.a	2018	General rail improvement
First Nationally Determined Contributions (Interim Updated)	2020	Railway electrification, General rail improvement, Urban passenger rail infrastructure improvement
National Sustainable Development Strategy 2010-2021	2010	Urban passenger rail infrastructure improvement, General transport asset management, Rail infrastructure expansion
Road Master Plan 2009	2009	Intermodality measures
First Nationally Determined Contributions (Updated)	2021	Railway electrification, Target - Modal shift, Investment required for specific projects

## Climate Change Mitigation Targets - Rail Transport

Policy document	Target year	Targets
Eighth Five Year Plan	2025	<p>Target 2025:</p> <ul style="list-style-type: none"> <li>☑ Modernize Railway Workshop and other infrastructure.</li> <li>☑ Improvement level crossing gates, other infrastructures and rolling stocks</li> <li>☑ Construct new ICDs</li> <li>☑ Procure adequate equipment to modernize railway maintenance</li> <li>☑ Modernize signaling system of 222 stations to ensure safety.</li> <li>☑ Increase efficiency and improve performance of Bangladesh Railway</li> <li>☑ Ensure full operational cost recovery by FY2025.</li> </ul>
Final Report on Updating Railway Master Plan	2040	<p>To permit the passage of broad gauge rolling stock on the entire network by 2040 and on the core network by 2035</p> <p>BR plans to update ATP and train control systems before 2040. The Railway will install:</p> <ol style="list-style-type: none"> <li>1. Automatic Train Protection (ATP)/Train Protection Warning System (TPWS) on all main line sections.</li> <li>2. Communication Based Train Control (CBTC)/European Train Control System (ETCS) on corridors identified as international TAR (Trans Asian Railway) routes.</li> </ol>
Eighth Five Year Plan	2025	<p>Targets 2025:</p> <ul style="list-style-type: none"> <li>☑ Rehabilitate/ Upgrade 846 km existing rail line.</li> </ul> <p>Target 2025: Transport Infrastructure quality Country ranking = 80 Score = 47</p> <p>Baseline 2019: Transport Infrastructure quality Country ranking = 100 Score = 42</p>
Eighth Five Year Plan	2025	<p>share of Fair to Good road surfaces will be increased from 81% to 90% for overall RHD Road Network</p> <p>Targets 2025:</p> <ul style="list-style-type: none"> <li>☑ Construction of 798 km new rail line.</li> <li>☑ Implement dual gauge double tracking of 897 km to increase line capacity.</li> <li>☑ Construct 9 important railway bridges</li> <li>☑ Procure 160 locomotives to enhance the efficiency, ensure reliability &amp; punctuality of running trains and to introduce new trains.</li> <li>☑ Procure 1704 passenger coaches and 2000 wagons to improve passenger service quality</li> </ul>
First Nationally Determined Contributions (Updated)	2030	<p>Unconditional:</p> <p>Modal shift from road to rail (10% modal shift of passenger-km) through different Transport projects such as BRT, MRT in major cities, Multi-modal hub creation, Padma Bridge etc.</p> <p>Conditional:</p> <p>Modal shift from road to rail (25% modal shift of passenger-km) through different Transport projects such as BRT, MRT in major cities, Multi-modal hub creation, new bridges etc.</p>

## Climate Change Mitigation Targets - Rail Transport

Policy document	Target year	Targets
Intended Nationally Determined Contributions	2030	To achieve a shift in passenger traffic from road to rail of up to around 20% by 2030 compared to the business as usual.

## Climate Change Mitigation Policy Measures - Domestic Navigation

Policy document	Year	Measures
National Land Transport Policy	2004	Intermodality measures, General shipping improvement, General capacity building, Port infrastructure improvements, Coordinate planning across government agencies
National Shipping Policy 2000	2000	Programs to reduce emissions in logistics, Intermodality measures, General inland waterways (IWT) improvement, General innovations and digitalization, Technical standards for general transport infrastructure, General international conventions, Vessel scrapping and retrofit schemes, General shipping improvement, General economic instruments, General transport finance, General capacity building, Port infrastructure improvements, Coordinate planning across government agencies, General transport institutional reform, Vehicle manufacturing
National Integrated Multi-modal Transport Policy	2013	General data repositories and data collection, General freight and logistics improvements, Intermodality measures, General infrastructure improvements, General inland waterways (IWT) improvement, General innovations and digitalization, Technical standards for general transport infrastructure, General international conventions, Public transit integration, Ship efficiency improvements, General shipping improvement, General transport finance, Port infrastructure improvements, Define roles and accountabilities across agencies, General transport institutional reform, Stakeholder Involvement, Development of road plan/ policy
Eighth Five Year Plan	2020	Intermodality measures, General inland waterways (IWT) improvement, Public transit integration, Port infrastructure improvements
Mujib Climate Prosperity Plan	2021	Fiscal incentives for EVs and components, Hydrogen, General e-mobility, Freight transport shifting to rail or inland waterways (IWT), General inland waterways (IWT) improvement, Reduction of transport/ logistics costs, Port electrification
Perspective Plan of Bangladesh 2021-2041	2012	Intermodality measures, General inland waterways (IWT) improvement, General transport finance, Reference to finance mechanisms within country, General capacity building, Port infrastructure improvements, General transport institutional reform
Bangladesh. National Communication (NC). NC 3	2018	General education and behavior change
Voluntary National Reviews (VNRs) 2020	2020	General infrastructure improvements
Bangladesh Delta Plan 2100 Vol. 3.b	2018	General inland waterways (IWT) improvement, Port infrastructure improvements
First Nationally Determined Contributions (Updated)	2021	General inland waterways (IWT) improvement, Investment required for specific projects
National Sustainable Development Strategy 2010-2021	2010	General inland waterways (IWT) improvement
Roadmap and Action Plan for Implementing Bangladesh NDC	2018	Intermodality measures, General inland waterways (IWT) improvement
Road Master Plan 2009	2009	Intermodality measures

## Climate Change Mitigation Policy Measures - Domestic Aviation

Policy document	Year	Measures
National Land Transport Policy	2004	General capacity building, Coordinate planning across government agencies
National Integrated Multi-modal Transport Policy	2013	Data modelling improvements, Intermodality measures, General innovations and digitalization, General international conventions, Define roles and accountabilities across agencies, General transport institutional reform, Stakeholder Involvement
Perspective Plan of Bangladesh 2021-2041	2012	Intermodality measures, General transport finance, General capacity building, General transport institutional reform
Bangladesh. National Communication (NC). NC 3	2018	General education and behavior change
Mujib Climate Prosperity Plan	2021	Hydrogen

## Climate Change Mitigation Policy Measures - Urban Transport

Policy document	Year	Measures
National Land Transport Policy	2004	Active transport infrastructure expansion, Express lanes/ public transport priority, Urban passenger rail infrastructure improvement, General public transport, Development of other transport-related plan/ policy
Perspective Plan of Bangladesh 2021-2041	2012	Active transport infrastructure expansion, General e-mobility, Transit-oriented development (TOD), BRT, Urban passenger rail infrastructure improvement, General public transport
Roadmap and Action Plan for Implementing Bangladesh NDC	2018	Active transport infrastructure expansion, General inland waterways (IWT) improvement, LPG/ CNG/ LNG, BRT, Bus fleet renewal, Urban passenger rail infrastructure improvement, General public transport, Alternative trip schedules, Traffic management
Eighth Five Year Plan	2020	General active mobility, General e-mobility, BRT, Urban passenger rail infrastructure improvement, General public transport, Road infrastructure expansion
First Nationally Determined Contributions (Interim Updated)	2020	General rail improvement, BRT, Urban passenger rail infrastructure improvement
National Integrated Multi-modal Transport Policy	2013	Road space repurpose to allow access for other modes, Development of public transport plan/ policy, BRT, Bus fleet renewal, Express lanes/ public transport priority, Public transit integration, Urban passenger rail infrastructure improvement, General public transport, Parking pricing, Road charging and tolls, Traffic management, Stakeholder Involvement, Development of rail plan/ policy
Voluntary National Reviews (VNRs) 2020	2020	Development of public transport plan/ policy, BRT, Urban passenger rail infrastructure improvement
First Nationally Determined Contributions (Updated)	2021	EV charging infrastructure, Target - Modal shift, Road charging and tolls, Development of transport plan/ policy
Mujib Climate Prosperity Plan	2021	Railway electrification, General e-mobility, Freight consolidation, Financial instruments to support decarbonisation, Investment required for specific projects, Development of transport plan/ policy
Draft National Solar Energy Roadmap, 2021-2041	2020	EV charging infrastructure, Renewable energy
Air pollution Reduction Strategy for Bangladesh	2012	Vehicle scrappage scheme, LPG/ CNG/ LNG, General public transport
Intended Nationally Determined Contributions	2015	General public transport, Investment required for specific projects
Bangladesh. National Communication (NC). NC 3	2018	Investment required for specific projects
Global Status Report on Road Safety 2018	2018	Speed limits on urban roads <= 30 kph
National Sustainable Development Strategy 2010-2021	2010	Urban passenger rail infrastructure improvement
National Road Safety Strategic Action Plan	2014	Vehicle scrappage scheme

## Climate Change Mitigation Targets - Urban Transport

Policy document	Target year	Targets
Draft National Solar Energy Roadmap, 2021-2041	2041	the government can take an initiative to install solar charging stations in all 64 districts, with special emphasis on the eight divisional cities. By 2041 a total of 121 MW of solar charging station capacity can be installed, 8.125 MW in each divisional city and 1 MW in the remaining 56 districts.
Eighth Five Year Plan	2025	Target 2025: Urban mass transit no. of cities = 1
Perspective Plan of Bangladesh 2021-2041	2041	Baseline 2019: Urban mass transit no. of cities = 0  Urban mass transit in number of cities by 2041 = All major (Baseline, 2018 = 0)
First Nationally Determined Contributions (Updated)	2030	Unconditional: Modal shift from road to rail (10% modal shift of passenger-km) through different Transport projects such as BRT, MRT in major cities, Multi-modal hub creation, Padma Bridge etc.  Conditional: Modal shift from road to rail (25% modal shift of passenger-km) through different Transport projects such as BRT, MRT in major cities, Multi-modal hub creation, new bridges etc.

## Climate Change Adaptation Policy Measures

Policy document	Year	Measures
First Nationally Determined Contributions (Updated)	2021	Reference to finance mechanisms within country, Development of climate change/ low carbon plan/ policy, Development of national development plan/ policy, Development of transport adaptation/ emergency/ disaster plan/ policy, Development of transport plan/ policy, Adaptation transport laws, regulations and programmes (Sub-sectors: Urban transport)
Perspective Plan of Bangladesh 2021-2041	2012	General rail improvement, General inland waterways (IWT) improvement, Asphalt mix resurfacing, General transport asset management, Technology and knowledge transfer, General capacity building, Rail infrastructure expansion, General transport institutional reform, General vehicle improvements (Sub-sectors: Road transport, Rail transport, Domestic Navigation, Domestic Aviation)
National Integrated Multi-modal Transport Policy	2013	General inland waterways (IWT) improvement, Technical standards for general transport infrastructure, Transport asset condition assessment, General transport asset management, General capacity building, Define roles and accountabilities across agencies, General transport institutional reform, Stakeholder Involvement, Development of rail plan/ policy, Development of road plan/ policy, Development of transport plan/ policy, Audits/ star rating required for new road infrastructure for road safety (Sub-sectors: Road transport, Rail transport, Domestic Navigation, Domestic Aviation, Urban transport)
National Land Transport Policy	2004	Technical standards for road infrastructure, Development of public transport plan/ policy, Routine transport asset maintenance, General transport asset management, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Coordinate planning across government agencies, Reporting, transparency, feedback mechanism, Stakeholder Involvement, Development of rail plan/ policy, Development of road plan/ policy, General vehicle improvements (Sub-sectors: Road transport, Rail transport, Domestic Navigation, Domestic Aviation)
National Shipping Policy 2000	2000	General inland waterways (IWT) improvement, General shipping improvement, General capacity building, Coordinate planning across government agencies, General transport institutional reform, Development of other transport-related plan/ policy, Development of transport adaptation/ emergency/ disaster plan/ policy, Transport services adaptation (Sub-sectors: Domestic Navigation)
Voluntary National Reviews (VNRs) 2020	2020	Reference to finance mechanisms within country, Define roles and accountabilities across agencies, General transport institutional reform, Development of climate change/ low carbon plan/ policy, Development of transport adaptation/ emergency/ disaster plan/ policy (Sub-sectors: NA)
Bangladesh. National Communication (NC). NC 3	2018	Disaster notification/ early warning system, Development of climate change/ low carbon plan/ policy, General education and behavior change (Sub-sectors: Road transport, Rail transport, Domestic Navigation, Domestic Aviation)
Draft National Solar Energy Roadmap, 2021-2041	2020	Development of climate change/ low carbon plan/ policy, Development of national development plan/ policy (Sub-sectors: NA)
First Nationally Determined Contributions (Interim Updated)	2020	Development of national development plan/ policy (Sub-sectors: NA)
Final Report on Updating Railway Master Plan	2017	General transport asset management, Rail infrastructure expansion, Development of rail plan/ policy (Sub-sectors: Road transport, Rail transport)
Bangladesh Delta Plan 2100 Vol. 3.a	2018	Development of road plan/ policy (Sub-sectors: Road transport)

## Climate Change Adaptation Policy Measures

Policy document	Year	Measures
Eighth Five Year Plan	2020	Technical standards for rail infrastructure, Technologies on transport asset management, General transport asset management, Technology and knowledge transfer, General capacity building, Rail infrastructure expansion, Reporting, transparency, feedback mechanism, Development of road plan/ policy (Sub-sectors: Road transport, Rail transport)
Mujib Climate Prosperity Plan	2021	General inland waterways (IWT) improvement, Transport infrastructure resilience, General transport asset management, Fossil fuel subsidy elimination, Development of transport plan/ policy (Sub-sectors: Road transport, Rail transport, Domestic Navigation, Urban transport)
Bangladesh Delta Plan 2100 Vol. 3.b	2018	General inland waterways (IWT) improvement (Sub-sectors: Domestic Navigation)
National Sustainable Development Strategy 2010-2021	2010	General inland waterways (IWT) improvement, General transport asset management, Rail infrastructure expansion (Sub-sectors: Road transport, Rail transport, Domestic Navigation)
National Road Safety Strategic Action Plan	2014	General transport asset management (Sub-sectors: Road transport)
Road Master Plan 2009	2009	Technical standards for road infrastructure, Performance-based transport maintenance contracts, Routine transport asset maintenance, General transport asset management, General transport institutional reform, General vehicle improvements (Sub-sectors: Road transport)
Roadmap and Action Plan for Implementing Bangladesh NDC	2018	General transport asset management, Reference to finance mechanisms within country (Sub-sectors: Road transport)
Automobile Industry Development Policy 2021	2021	General vehicle improvements (Sub-sectors: Road transport)
Intended Nationally Determined Contributions	2015	Reference to finance mechanisms within country (Sub-sectors: NA)
Air pollution Reduction Strategy for Bangladesh	2012	Routine transport asset maintenance (Sub-sectors: Road transport)

## Climate Change Adaptation Targets

Policy document	Target year	Targets
Perspective Plan of Bangladesh 2021-2041	2041	All village roads would be converted to asphalt standard with at least one lane to facilitate rural mobility of passengers and products.
Eighth Five Year Plan	2025	<p>Targets 2025:</p> <ul style="list-style-type: none"> <li>☑ Construction of 798 km new rail line.</li> <li>☑ Implement dual gauge double tracking of 897 km to increase line capacity.</li> <li>☑ Construct 9 important railway bridges</li> <li>☑ Procure 160 locomotives to enhance the efficiency, ensure reliability &amp; punctuality of running trains and to introduce new trains.</li> <li>☑ Procure 1704 passenger coaches and 2000 wagons to improve passenger service quality</li> </ul>
Mujib Climate Prosperity Plan	2030	At least 50% of railway infrastructure made climate-resilient and energy efficient.

## Notes



(\*) Policy measures and targets were extracted from policy documents as listed in the ATO National Transport Policies Database

<https://bit.ly/ATOpolicyrepository>

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