

Intergovernmental Eleventh Regional Environmentally Sustainable Transport (EST) Forum in Asia

**2-5 October 2018
Ulaanbaatar, Mongolia**

Sustainable Urban Design and Development ~ Role of EST

Country Report

(Draft)

< Bhutan >

This country report was prepared by the Government of Bhutan as an input for the Eleventh Regional EST Forum in Asia. The views expressed herein do not necessarily reflect the views of the United Nations.

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Country EST Report (covering from Lao EST Forum 2017 to Mongolia EST Forum 2018)

a) Name of the Country: Bhutan

b) Name, Designation and Line Ministry/Agency Respondent:

Bhimlal Suberi, Chief Planning Officer, Policy & Planning Division,
Ministry of Information & Communications

c) List other Line Ministries/Agencies contributing to preparation of the
Country Report:

None this time

d) Reporting period: 2017-2018

With the objective of demonstrating the renewed interest and commitment of Asian countries towards realizing a promising decade (2010-2020) of sustainable actions and measures for achieving safe, secure, affordable, efficient, and people and environment-friendly transport in rapidly urbanizing Asia, the participating countries of the Fifth Regional EST Forum in Asia discussed and agreed on a goodwill and voluntary declaration - “**Bangkok Declaration for 2020 – Sustainable Transport Goals for 2010-2020.**” At the Seventh Regional EST Forum held in Bali in 2013, the participating countries adopted the “**Bali Declaration on Vision Three Zeros- Zero Congestion, Zero Pollution and Zero Accidents towards Next Generation Transport Systems in Asia**” reinforcing the implementation of Bangkok 2020 Declaration (2010-2020) with emphasis to zero tolerance towards congestion, pollution and road accidents in the transport policy, planning and development. Bali Vision Three Zeros calls for a paradigm shift in thinking on the role of motorization and mobility in realizing sustainable development in Asia. In the Eight Regional EST Forum in Colombo, member countries adopted the “**Colombo Declaration**” for the promotion of next generation low-carbon transport solutions in Asia. Subsequently, EST Forum held in Vientiane, Lao PDR in 2017, the member countries adopted the “**Vientiane Declaration on Sustainable Rural Transport towards Achieving the 2030 Agenda for Sustainable Development.**”

*Each member country of the Forum is kindly requested to prepare a consolidated country report (by **15 August 2018**) reflecting how EST trends and developments have taken place in the country from Lao EST Forum 2017 to Mongolia EST Forum 2018 around the Goals of the Bangkok 2020 Declaration as an interim assessment following the below format. You are most welcome to add extra pages or sections to share any major on-going initiatives or future plans, including mega transport projects, transport master plans, special transport corridor development, expansion of railways and rail route developments, etc.*

The objective of the country reporting is to share among international community the voluntary progress/achievements/initiatives include various challenges faced by countries in implementing each of the underlined goals of the Bangkok 2020 Declaration to realize the Bali Vision Three Zeros, the Colombo Declaration and the Vientiane Declaration. This would help development agencies, donors, development banks in assessing the sustainable transport needs and challenges to better devise their existing as well as future capacity building programs and operations in sustainable

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

transport areas.

Timeline for submission by **15 August 2018.**

by email to: est@uncrd.or.jp

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.		
I. Strategies to <u>Avoid</u> unnecessary travel and reduce trip distances				
“Avoid” Strategy	1	Formally integrate land-use and transport planning processes and related institutional arrangements at the local, regional, and national levels	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input type="checkbox"/> Some progress (design – piloting)</p> <p><input checked="" type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box) Checking box is not possible, instead the relevant answer is highlighted in all cases</p>	<p>Barriers/Challenges faced in implementation:</p> <ul style="list-style-type: none"> • Thimphu Structure Plan 2002-2027 in place. However, there is at times lack of coordination on transport mandate which I spread across many agencies in the government.
			<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <ul style="list-style-type: none"> • Responsibility for development of transport infrastructure such as bus terminals, bus sheds/shelters etc. is delegated to the local governments. 	
			<p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> • Construction of bus terminals, bus sheds/shelters etc. by the local governments in a number of strategic locations during the 12FYP (2018-2023) 	

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.	
		What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement? <ul style="list-style-type: none"> Moderate importance in achieving (a) 	
“Avoid” Strategy	2 Achieve mixed-use development and medium-to-high densities along key corridors within cities through appropriate land - use policies and provide people - oriented local access, and actively promote transit-oriented development (TOD) when introducing new public transport infrastructure	Any action had been taken so far? <ul style="list-style-type: none"> <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation: <ul style="list-style-type: none"> Funding constraint
		Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant. <ul style="list-style-type: none"> Local Area Plans have such provisions and some have been implemented and others waiting to be implemented depending on funding situation. 	
		Examples of important actions that you plan to carry out in next year	
		What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement? <ul style="list-style-type: none"> Moderate importance in achieving (a) 	

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.	
“Avoid” Strategy	3 Institute policies, programmes, and projects supporting Information and Communications Technologies (ICT), such as internet access, teleconferencing, and telecommuting, as a means to reduce unneeded travel	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation:
		Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant. <ul style="list-style-type: none"> • Back-bone fibre optic network covering all 20 Districts and 201 Gewogs (Group of Villages) are in place • Teleconferencing facilities have been established at the local government level and central agencies • Mobile connectivity of above 95% achieved and similarly Internet penetration of over 90% • Number of G2C services launched 	
		Examples of important actions that you plan to carry out in next year <ul style="list-style-type: none"> • The focus will be on consolidation and achieving last mile connectivity 	

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.		
		<p>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <ul style="list-style-type: none"> • Very important in achieving (a) 		
II. Strategies to <u>Shift</u> towards more sustainable modes				
"Shift" Strategy	4	Require Non-Motorized Transport (NMT) components in transport master plans in all major cities and prioritize transport infrastructure investments to NMT, including wide-scale improvements to pedestrian and bicycle facilities, development of facilities for intermodal connectivity, and adoption of complete street design standards, wherever feasible	<p>Any action had been taken so far?</p> <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	<p>Barriers/Challenges faced in implementation:</p> <ul style="list-style-type: none"> • Implementation is however, slow due to fund constraint. In smaller towns, the need is yet to be felt.
			<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <ul style="list-style-type: none"> • Network of pedestrian footpaths in larger towns of Thimphu, Phuntsholing, Samdrupjongkhar, Gelephu are being implemented 	

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.	
		<p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> • Network of pedestrian footpaths in larger towns of Thimphu, Phuntsholing, Samdrupjongkhar, Gelephu will continue to be developed to meet the gaps over the next five years <p>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <ul style="list-style-type: none"> • Very important in achieving (a) and (c) 	
"Shift" Strategy	5 Improve public transport services including high quality and affordable services on dedicated infrastructure along major arterial corridors in the city and connect with feeder services into residential communities	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input checked="" type="checkbox"/> Some progress (design – piloting)</p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	<p>Barriers/Challenges faced in implementation:</p> <ul style="list-style-type: none"> • Absence of expertise and high investment for mass transit system

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.	
		<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <ul style="list-style-type: none"> • Request for funding assistance has been submitted to GCF and World Bank to introduce BRT in Thimphu. • Additional 18 buses have been added to urban transport fleet for Thimphu • Pre-feasibility study report for LRT published and circulated widely in different offices in Bhutan. Waiting for a detailed project report to implement LRT mass transit option. <hr/> <p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> • More buses will be added to the current public transport fleet • Follow-up action planned for BRT and LRT <hr/> <p>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <ul style="list-style-type: none"> • Extremely important to achieve (a) and (c) 	
"Shift" Strategy	6 Reduce the urban transport mode share of private motorized vehicles through Transportation Demand Management (TDM) measures, including pricing measures that integrate congestion, safety, and	<p>Any action had been taken so far?</p> <p><input checked="" type="checkbox"/> Not yet</p> <p><input type="checkbox"/> Some progress (design – piloting)</p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	<p>Barriers/Challenges faced in implementation:</p> <ul style="list-style-type: none"> • Absence of reliable and adequate public transport in urban areas is giving limited choice to people • Absence of expertise and fund for other interventions

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.	
	pollution costs, aimed at gradually reducing price distortions that directly or indirectly encourage driving, motorization, and sprawl	<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <ul style="list-style-type: none"> The system of collecting parking fee in Thimphu, Phuntsholing, Paro, Gelephu and Samdrupjongkhar is in place. No other measures. <p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> Plans to decongest Thimphu using all possible and practical measures <p>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <ul style="list-style-type: none"> Very important to achieve (a) and (c) 	
"Shift" Strategy	7 Achieve significant shifts to more sustainable modes of inter-city passenger and goods transport , including priority for high-quality long distance bus, inland water transport, high-speed rail over car and	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input checked="" type="checkbox"/> Some progress (design – piloting)</p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	<p>Barriers/Challenges faced in implementation:</p> <ul style="list-style-type: none"> High cost of investment IWT and rail transport No expertise in the above areas

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.	
	air passenger travel, and priority for train and barge freight over truck and air freight by building supporting infrastructure such as dry inland ports	<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <ul style="list-style-type: none"> • Inter-city bus operation by the private sector is fairly efficient • The first dry port is completing by end of 2018 • Three domestic air airports now provide better air connectivity within the country • Pre-feasibility study has been undertaken for rail-based transport but more work is needed <hr/> <p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> • Follow-up on rail-based transport system • More investment in domestic airports • Additional dry port and transport hubs planned in major border towns <hr/> <p>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <ul style="list-style-type: none"> • Very important to achieve (a) and (c) 	
III. Strategies to <u>Improve</u> transport practices and technologies			
‘Improve’ Strategy	8 Diversify towards more sustainable transport fuels and technologies , including greater market penetration of options such as vehicles operating on electricity generated from renewable sources, hybrid	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input checked="" type="checkbox"/> Some progress (design – piloting)</p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	<p>Barriers/Challenges faced in implementation:</p> <ul style="list-style-type: none"> • Low uptake of electric vehicles due to high upfront cost and absence of a network of quick charging stations • Natural gas is not considered feasible for Bhutan

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.	
	technology, and natural gas	<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <ul style="list-style-type: none"> • Piloting electric vehicles focusing on taxi segment in Thimphu through GEF assistance approved recently. Works to start soon <hr/> <p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> • Implement Low emission urban transport system to promote uptake of EVs in Thimphu <hr/> <p>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <p>Extremely important for (a) and (c).</p>	
"Improve" Strategy	9 Set progressive, appropriate, and affordable standards for fuel quality, fuel efficiency, and tailpipe emissions for all vehicle types, including new and in-use vehicles	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input type="checkbox"/> Some progress (design – piloting)</p> <p><input checked="" type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	<p>Barriers/Challenges faced in implementation:</p> <ul style="list-style-type: none"> • Lack of emission testing equipment for use by the enforcement agencies, to conduct on the spot inspection

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.
		<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <ul style="list-style-type: none"> • Emission testing with the private sector • Emission standards are currently being reviewed for upward revision
		<p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> • Enhance enforcement of emission standards through regular monitoring of the testing agents • Authorities to acquire emission testing equipment for own testing
		<p>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <p>Very important for (a) and (c).</p>

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.	
‘Improve’ Strategy	10 Establish effective vehicle testing and compliance regimes, including formal vehicle registration systems and appropriate periodic vehicle inspection and maintenance (I/M) requirements, with particular emphasis on commercial vehicles, to enforce progressive emission and safety standards, resulting in older polluting commercial vehicles being gradually phased-out from the vehicle fleet, as well as testing and compliance regimes for vessels	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation: <ul style="list-style-type: none"> • Absence of vehicle inspection and maintenance facilities. Currently this is based on visual inspection and human intervention. • Absence of emission testing equipment to undertake on the spot test for high polluting vehicles
		Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant. <ul style="list-style-type: none"> • Emission testing system in place 	
		Examples of important actions that you plan to carry out in next year <ul style="list-style-type: none"> • Need to establish vehicle inspection and maintenance system to confirm roadworthiness 	
		What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement? <ul style="list-style-type: none"> • Important for (a) and (c) 	

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.		
‘Improve’ Strategy	11	Adopt Intelligent Transportation Systems (ITS), such as electronic fare and road user charging systems, transport control centres, and real-time user information, when applicable	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation: <ul style="list-style-type: none"> • Lack of expertise and fund
	Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant. <ul style="list-style-type: none"> • Piloting of electronic fare system for urban transport in Thimphu but not so successful • Piloting of bus information system and has been found very useful, more such facility needed 			
	Examples of important actions that you plan to carry out in next year <ul style="list-style-type: none"> • Plans to take ITS is a big way for the capital city depending on approval of fund by GCF and World Bank 			
	What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement? <ul style="list-style-type: none"> • Important to achieve (a) 			

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.	
‘Improve’ Strategy	12 Achieve improved freight transport efficiency, including road, rail, air, and water, through policies, programmes, and projects that modernize the freight vehicle technology, implement fleet control and management systems, and support better logistics and supply chain management	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation: <ul style="list-style-type: none"> • Small and owner managed truck fleet may modernization difficult due to cost • For the above reason, fleet control and management system becomes uneconomical or unattractive for the single truck operators • Undeveloped and unorganized logistics and supply chain management
		Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant. <ul style="list-style-type: none"> • Surface Transport policy is draft stage and waiting to be adopted soon. 	
		Examples of important actions that you plan to carry out in next year <ul style="list-style-type: none"> • Need donor assistance to pursue the goals indicated here. 	
		What importance does this particular EST Goal attach in your country’s on-going efforts in achieving the Sustainable Development Goals (SDGs) under the 2030 Agenda for Sustainable Development? <ul style="list-style-type: none"> • Important for (a) 	
IV. <u>Cross-cutting</u> strategies			

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.		
“Cross-Cutting” Strategy	13	Adopt a zero-fatality policy with respect to road, rail, and waterway safety and implement appropriate speed control, traffic calming strategies, strict driver licensing, motor vehicle registration, insurance requirements, and better post-accident care oriented to significant reductions in accidents and injuries	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation: <ul style="list-style-type: none"> Absence of road safety enforcement equipment and gadgets, and mobility for enforcement personnel have hindered achievement of zero fatality.
		Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant. <ul style="list-style-type: none"> Most of the suggested interventions are in place 		
		Examples of important actions that you plan to carry out in next year <ul style="list-style-type: none"> Continue fair and consistent enforcement 		
		What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement? <ul style="list-style-type: none"> Important for (a) 		

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.	
“Cross-Cutting” Strategy	14 Promote monitoring of the health impacts from transport emissions and noise, especially with regard to incidences of asthma, other pulmonary diseases, and heart disease in major cities, assess the economic impacts of air pollution and noise, and devise mitigation strategies, especially aiding sensitive populations near high traffic concentrations	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation: <ul style="list-style-type: none"> • Need to engage relevant agencies through clear definition of responsibilities • Lack of coordination among agencies
		Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant. <ul style="list-style-type: none"> • Studies have been undertaken to assess the cost of air pollution from vehicles • Emission control strategy has been developed and waiting for approval 	
		Examples of important actions that you plan to carry out in next year <ul style="list-style-type: none"> • Implement Emission control strategy has been developed and waiting for approval 	
		What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement? Very important for (a) and (c)	

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.		
“Cross-Cutting”	15	<p>Establish country-specific, progressive, health-based, cost-effective, and enforceable air quality and noise standards, also taking into account the WHO guidelines, and mandate monitoring and reporting in order to reduce the occurrence of days in which pollutant levels of particulate matter, nitrogen oxides, sulphur oxides, carbon monoxide, and ground-level ozone exceed the national standards or zones where noise levels exceed the national standards, especially with regard to environments near high traffic concentrations</p>	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input type="checkbox"/> Some progress (design – piloting)</p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	<p>Barriers/Challenges faced in implementation:</p> <ul style="list-style-type: none"> • Absence of expertise for transport professionals
			<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <ul style="list-style-type: none"> • Air quality standards are in place but not noise quality standard • Emission control strategy has been developed and waiting for approval 	
			<p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> • Implement emission control strategy has been developed and waiting for approval • Promote Electric Vehicle uptake through subsidy and establishment of a network of QCS 	
			<p>What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <p>Extremely important for (a) and (c)</p> <ul style="list-style-type: none"> • 	

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.	
“Cross-Cutting” Strategy	16 Implement sustainable low-carbon transport initiatives to mitigate the causes of global climate change and to fortify national energy security , and to report the inventory of all greenhouse gases emitted from the transport sector in the National Communication to the UNFCCC	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation: <ul style="list-style-type: none"> • Growing number of personal cars adding to GHG emission
		Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.	
		Examples of important actions that you plan to carry out in next year	
		What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?	

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.	
“Cross-Cutting” Strategy	17 Adopt social equity as a planning and design criteria in the development and implementation of transport initiatives, leading to improved quality, safety and security for all and especially for women, universal accessibility of streets and public transport systems for persons with disabilities and elderly, affordability of transport systems for low-income groups, and up-gradation, modernization and integration of intermediate public transport	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation: <ul style="list-style-type: none"> Affordability of transport systems for low income groups in remote locations is a challenge since transport operators do not find operating to these places profitable. Road conditions are similarly bad and there is limited of transport services
		Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant. <ul style="list-style-type: none"> Affordability is an integral part of surface transport policy A small subsidy in the form of interest on 60% transport loan paid by Government for procurement of buses. 	
		Examples of important actions that you plan to carry out in next year <ul style="list-style-type: none"> Enhance government intervention to support access to public transport services in remote areas 	
		What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement? <ul style="list-style-type: none"> Especially important for (a) 	

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.		
“Cross-Cutting” Strategy	18	Encourage innovative financing mechanisms for sustainable transport infrastructure and operations through measures, such as parking levies, fuel pricing, time-of-day automated road user charging, and public-private partnerships such as land value capture, including consideration of carbon markets, wherever feasible	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation:
			Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant. <ul style="list-style-type: none"> • Parking levies are in place in major urban centers • Fuel is taxed • Other suggested interventions are not in place and but needed 	
		Examples of important actions that you plan to carry out in next year		
		What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?		

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.	
“Cross-Cutting” Strategy	19 Encourage widespread distribution of information and awareness on sustainable transport to all levels of government and to the public through outreach, promotional campaigns, timely reporting of monitored indicators, and participatory processes	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation: <ul style="list-style-type: none"> • Lack of expertise, awareness materials and funding constraint
		Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.	
		Examples of important actions that you plan to carry out in next year	
		What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?	

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.	
“Cross-Cutting” Strategy	20 Develop dedicated and funded institutions that address sustainable transport-land use policies and implementation, including research and development on environmentally-sustainable transport, and promote good governance through implementation of environmental impact assessments for major transport projects	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation: <ul style="list-style-type: none"> • No dedicated and funded institutions to address the goals highlighted.
		Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.	
		Examples of important actions that you plan to carry out in next year	
		What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?	

11th Regional EST Forum in Asia, 2-5 October 2018, Ulaanbaatar, Mongolia

Major policy initiatives/projects/action plan to improve rural access:

“Cross-Cutting” Strategy	Take policy initiatives to improve rural access leading to improved quality, safety and security for all and especially for women, disadvantaged groups persons with disabilities and elderly, low-income groups, access to farms, agriculture centers, education and health	List some of actions taken to improve rural access in your country so far?	Barriers/Challenges faced in improving rural connectivity :
		Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions to improve rural access . Please attach reports or include websites where relevant. <ul style="list-style-type: none"> • Massive rural connectivity program implemented during the 11th Five year plan (2013-2018) and 	
		Examples of important actions that you plan to carry out in next year <ul style="list-style-type: none"> • Enhance rural access to unconnected areas • Make these roads for vehicles to ply in all seasons, by black-topping and creating good drainage system. 	
Importance of improving rural access in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement? <ul style="list-style-type: none"> • Very important for (a) 			