

# **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)**

**< Myanmar >**

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This country report was prepared by the Government of Myanmar 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.

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

a) Name of the Country: Myanmar

b) Name, Designation and Line Ministry/Agency Respondent: Ministry of Environmental Conservation and Forestry, Ministry of Transport and Communications, Ministry of Electricity and Energy, Ministry of Construction

c) List other Line Ministries/Agencies contributing to preparation of the Country Report: Ministry of Environmental Conservation and Forestry, Ministry of Transport and Communications, Ministry of Electricity and Energy, Ministry of Construction

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.*

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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 transport areas.

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

by email to: [est@uncrd.or.jp](mailto: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.	
<b>I. Strategies to <u>Avoid</u> unnecessary travel and reduce trip distances</b>			
1	Formally integrate <b>land-use and transport planning</b> processes and related institutional arrangements at the local, regional, and national levels	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> <b>À</b> 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"> <li>➤ Weakness in housing policy</li> <li>➤ Weakness of the integrated land use and transport planning</li> <li>➤ Budget constraint</li> </ul>

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Goal No.	Goal Description	<b>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.</b>
		<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"> <li>➤ YUTRA (Yangon Urban Transport Master Plan) (2016-2040) <a href="http://www.openjacareport.jjca.go.jp/pef/12182754.pdf">www.openjacareport.jjca.go.jp/pef/12182754.pdf</a></li> <li>➤ National Transport Master Plan (MYT-Plan)(2015-2040)</li> <li>➤ National Logistics Master Plan <a href="http://www.unescap.org/sites/default/files">www.unescap.org/sites/default/files</a></li> <li>➤ Yangon Elevated Expressway Public Private Partnership Project Phase I <a href="http://www.mmrdrs.com">www.mmrdrs.com</a></li> </ul>
		<p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> <li>➤</li> </ul>
		<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"> <li>➤ (a)</li> <li>➤ (b)</li> </ul>

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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	2 Achieve <b>mixed-use development</b> 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 Trans port infrastructure	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> <b>À</b> 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"> <li>➤ Weakness of planning</li> <li>➤ Weakness of coordination</li> </ul>
		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"> <li>➤ The feasibility study for Rehabilitation and Modernization of Yangon- Mandalay Railway Project is on-going with the assistance of JICA.  <a href="https://www.open-jicareport.jicareport.jica.go.jp/pdf/12305272.01.pdf">https://www.open-jicareport.jicareport.jica.go.jp/pdf/12305272.01.pdf</a></li> <li>➤ Upgrading Yangon-Mandalay Highway.</li> <li>➤ Yangon Water Bus was introduced on 7<sup>th</sup> July, 2017.</li> <li>➤ Yangon Circular Railway Line Upgrading Project</li> </ul>	
		Examples of important actions that you plan to carry out in next year <ul style="list-style-type: none"> <li>➤ Yangon – Mandalay Railway Improvement Project by Japanese ODA Loan</li> <li>➤ Yangon Circular Railway Line Upgrading Project by Japanese ODA Loan</li> <li>➤ Yangon-Mandalay Highway upgrading project.</li> </ul>	

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		<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"> <li>➤ (a) the Sustainable Development Goals (SDGs)</li> <li>➤ (b) New Urban Agenda</li> </ul>	
“Avoid” Strategy	<p>3 Institute policies, programmes, and projects supporting <b>Information and Communications Technologies</b> (ICT), such as internet access, teleconferencing, and telecommuting, as a means to reduce unneeded travel</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>
		<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>	
		<p>Examples of important actions that you plan to carry out in next year</p>	
		<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>	

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<b>II. Strategies to <u>Shift</u> towards more sustainable modes</b>				
“Shift” Strategy	4	Require <b>Non-Motorized Transport</b> (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"/> <b>À</b> 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"> <li>➤ Weakness in NMT planning</li> <li>➤ Weakness in design standards for road infrastructure</li> <li>➤ Increasing number of motorcycle and fewer bicycle user</li> <li>➤ Early stage of motorization</li> </ul>
			<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"> <li>➤ Construction of separate roads for bicycles in Mandalay City (Now bicycles are replaced by motorcycles.)</li> <li>➤ Construction of separate roads and over bridges for pedestrians in Yangon City, Mandalay City and Nay Pyi Taw City</li> </ul>	
			<p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> <li>➤ Myanmar National Road Safety Action Plan (NRSAP) is being carried out.</li> </ul>	

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		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"> <li>➤ (a) the Sustainable Development Goals (SDGs)</li> <li>➤ (b) New Urban Agenda</li> <li>➤ (c) Paris Climate Agreement</li> </ul>		
“Shift” Strategy	5	Improve <b>public transport</b> 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	Any action had been taken so far? <ul style="list-style-type: none"> <li><input type="checkbox"/> Not yet</li> <li><input type="checkbox"/> <b>Some</b> progress (design – piloting)</li> <li><input type="checkbox"/> Largely in Place</li> <li><input type="checkbox"/> Fully Completed</li> </ul> (Please Check the box)	Barriers/Challenges faced in implementation: <ul style="list-style-type: none"> <li>➤ Weakness of planning</li> <li>➤ Weakness of coordination</li> </ul>
			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"> <li>➤ Yangon Bus Service (YBS) is now being implemented in Yangon City.</li> <li>➤ Upgrading the existing major railway lines by external assistance including ODA loan, EDCF loan etc., and Grants, Technical Cooperation.</li> <li>➤ Upgrading Yangon- Nay Pyi Taw – Mandalay highway</li> </ul>	

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		<p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> <li>➤ Myanmar National Transport Master Plan (MYT-Plan) is being carried out.</li> <li>➤ National Logistics Master Plan is being carried out.</li> <li>➤ Upgrading Project for Comprehensive Urban Transport Plan of the Greater Yangon (YUTRA)</li> <li>➤ Yangon – Mandalay Railway Improvement Project by Japanese ODA Loan</li> <li>➤ Yangon Circular Railway Line Upgrading Project by Japanese ODA Loan</li> </ul> <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"> <li>➤ (a) the Sustainable Development Goals (SDGs)</li> <li>➤ (b) New Urban Agenda</li> <li>➤ (c) Paris Climate Agreement</li> </ul>	
“Shift” Strategy	6 Reduce the urban transport mode share of private motorized vehicles through <b>Transportation Demand Management</b> (TDM) measures, including pricing measures that integrate congestion, safety, and	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"> <li>➤ Poor infrastructure</li> <li>➤ Inefficiency of equipments</li> <li>➤ Weakness in financial support</li> <li>➤ Weakness in knowledge &amp; training</li> </ul>

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	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"> <li>➤ Yangon City Development Committee has planned to implement parking in CBD and to build a multi-storied car parking in urban area</li> <li>➤ Install the modernized and synchronized intersection traffic signals in Yangon City</li> <li>➤ Project for comprehensive urban transport plan of the Greater Yangon(YUTRA)</li> <li>➤ Yangon Bus Service (YBS) is now being implemented in Yangon City.</li> <li>➤ Yangon Region Transport Authority (YRTA) has been set up.</li> </ul>
		<p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> <li>➤ Comprehensive Urban Transport Plan of the Greater Yangon (YUTRA) and Myanmar Transport Master Plan (MYT- Plan is being carried out.</li> <li>➤ Vehicle Quota System in Yangon</li> </ul>
		<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"> <li>➤ (a) the Sustainable Development Goals (SDGs)</li> <li>➤ (b) New Urban Agenda</li> </ul>

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“Shift” Strategy	7 Achieve significant shifts to more sustainable modes of <b>inter-city passenger and goods transport</b> , including priority for high-quality long distance bus, inland water transport, high-speed rail over car and air passenger travel, and priority for train and barge freight over truck and air freight by building supporting infrastructure such as dry inland ports	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"> <li>➤ Weakness in technology</li> <li>➤ Remain the old age bus</li> <li>➤ Use of old vessels</li> <li>➤ No high speed rail because of no Standard Metre Gauge.</li> </ul>
		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"> <li>➤ Yangon Bus Service (YBS) is now being implemented in Yangon City.</li> <li>➤ Yangon Ywathargyi Dry Port and Mandalay Myitnge Dry Port are to be established in the manner of Public Private Partnership (PPP).</li> <li>➤ Restricted Model Year of Mini Bus/City Bus/Express Bus for Importation (For 2018 Fiscal year, only 2014-2018 model are allowed. This model year restrictions are announced annually)</li> </ul>	

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		<p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> <li>➤ Yangon – Mandalay Railway Improvement Project by Japanese ODA Loan</li> <li>➤ Mandalay-Myitkyina Railway Line Upgrading Project by Republic of Korea’s EDCF Loan</li> <li>➤ Planning to build a new Hanthawaddy International Airport. Yangon and Mandalay international airports have been handed-over to the private firms, under the respective concession agreement, to upgrade infrastructure and facilities of the said airports. All of these airports will be equipped with cargo facilities.</li> </ul> <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"> <li>➤ (a) the Sustainable Development Goals (SDGs)</li> <li>➤ (b) New Urban Agenda</li> <li>➤ (c) Paris Climate Agreement</li> </ul>	
<b>III. Strategies to <u>Improve</u> transport practices and technologies</b>			
“Improve” Strategy	8 Diversify towards more sustainable <b>transport fuels and technologies</b> , including greater market penetration of options such as vehicles operating on electricity generated from renewable sources, hybrid	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"> <li>➤ Public Awareness</li> <li>➤ Insufficient Natural Gas (NG) from Onshore Blocks</li> <li>➤ High Cost if use Offshore NG</li> </ul>

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	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"> <li>➤ CNG (Compressed Natural Gas) Vehicles Program</li> <li>➤ Up to now, 46 CNG Stations &amp; (28299) Vehicles are implemented.</li> </ul> <hr/> <p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> <li>➤ To promote utilization of Liquefied Petroleum Gas (LPG) for Vehicles.</li> </ul> <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>	
"Improve" Strategy	Set progressive, appropriate, and affordable <b>standards</b> 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"/> <b>^</b> 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"> <li>➤ Limitation of human resource</li> </ul>
		<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"> <li>➤ Energy Standardization Technical Committee is drawing new fuel Standards in line with the international Standards.</li> </ul>	

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		Examples of important actions that you plan to carry out in next year ➤ 10 Fuel Standards will be adopted.	
		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?	
"Improve" Strategy	10 Establish effective vehicle testing and compliance regimes, including formal vehicle registration systems and appropriate periodic vehicle <b>inspection and maintenance</b> (I/M) requirements, with particular	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> <b>Ā</b> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation: ➤ Weakness in research and development ➤ Weakness in advanced technology and equipment ➤ Weakness in skilled workers ➤ Financial constraint

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	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	<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"> <li>➤ Scrubbed over 20 years old vehicles</li> <li>➤ 18 Multi Stage Test Lanes (For Truck) are installed in 11 cities.</li> <li>➤ 16 Motorcycle Test Lanes are installed in 8 cities.</li> <li>➤ There are 26 Emission Test Stations.</li> <li>➤ Private sector involvement for vehicle inspection will be introduced</li> <li>➤ Recruit and train the engineers</li> <li>➤ Apply computerized vehicle registration system</li> <li>➤ Apply computerized driving licensing system</li> <li>➤ Apply ASEAN Standards for vehicle emission</li> <li>➤ To be introduced RFID System</li> </ul>
		<p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> <li>➤ More Multi Test Lanes for Motor Vehicles, Multi Test Lanes for Two-wheelers and Dual Emission Testers will be installed.</li> <li>➤ Private Organizations will participate in vehicle inspection business.</li> </ul>

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		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"> <li>➤ (a) the Sustainable Development Goals (SDGs)</li> <li>➤ (b) New Urban Agenda</li> <li>➤ (c) Paris Climate Agreement</li> </ul>	
“Improve” Strategy	11 Adopt <b>Intelligent Transportation Systems</b> (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? <ul style="list-style-type: none"> <li><input type="checkbox"/> Not yet</li> <li><input type="checkbox"/> <b>Some</b> progress (design – piloting)</li> <li><input type="checkbox"/> Largely in Place</li> <li><input type="checkbox"/> Fully Completed</li> </ul> (Please Check the box)	Barriers/Challenges faced in implementation: <ul style="list-style-type: none"> <li>➤ Weakness in technology</li> <li>➤ Weakness in finance</li> <li>➤ Weakness in HR</li> </ul>

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		<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"> <li>➤ Yangon Region Transport Authority is planning to introduce I Pay card system for public transport.</li> <li>➤ Install CCTV cameras in intersection of traffic lights in Yangon City</li> <li>➤ Periodic announcement of traffic jam situation in FM radio</li> <li>➤ On Yangon- Mandalay Expressway, Telematric system is used and controlled by Traffic Control Center for the safety of coach.</li> <li>➤ It is now implementing to monitor the whole traffic flow of Yangon City via a Central Control Center.</li> </ul>
		<p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> <li>➤ RFID System is about to be introduced</li> <li>➤ Electronic toll collection (ETC) system is prepared to use.</li> </ul>
		<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"> <li>➤ (a) the Sustainable Development Goals (SDGs)</li> <li>➤ (b) New Urban Agenda</li> </ul>

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Goal No.	Goal Description	<b>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.</b>	
‘Improve’ Strategy	12 Achieve improved <b>freight transport</b> 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"/> <b>À</b> 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"> <li>➤ Insufficient investment</li> <li>➤ Technology</li> <li>➤ Capacity building</li> </ul>
		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"> <li>➤ Planning (6) inland ports which are used for freight transport for many years to support with modernized facilities .Out of them, Mandalay Port is the first priority to establish as early as possible. Myanmar Railways is inviting the private sector investment for freight transportation such as container freight train and fuel train.</li> <li>➤ Establishment of Dry Ports to be linked the key potential places for the Freight Transport and logistics in Multi-model Transport.</li> <li>➤ An air transport policy is being drafted which fosters air freight services;</li> </ul>	
		Examples of important actions that you plan to carry out in next year <ul style="list-style-type: none"> <li>➤ National Logistics Master Plan is being carried out.</li> <li>➤ Mandalay International Airport has been handed-over to a foreign private firm since 1 April 2015 to upgrade the airport to become an aviation logistic hub.</li> </ul>	

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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 the Sustainable Development Goals (SDGs) under the 2030 Agenda for Sustainable Development?</p> <ul style="list-style-type: none"> <li>➤ <b>Goal (7): Ensure access to affordable, reliable, sustainable and modern energy for all</b></li> <li>➤ <b>Goal (9): Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</b></li> </ul>		
<b>IV. <u>Cross-cutting</u> strategies</b>				
"Cross-Cutting"	13	<p>Adopt a zero-fatality policy with respect to road, rail, and waterway <b>safety</b> and implement appropriate speed control, traffic calming strategies, strict driver licensing, motor vehicle registration, insurance</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"/> <b>À</b> 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"> <li>➤ Financial constraint</li> <li>➤ Weakness of ICT</li> <li>➤ Weak to follow traffic rules and regulations</li> <li>➤ Capacity building for safety management</li> </ul>

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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>requirements, and better post-accident care oriented to significant reductions in accidents and injuries</p>	<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"> <li>• Establish National Road Safety Council (NRSC)</li> <li>• Establish regional Road Safety Councils in Regions and States</li> <li>• Formulate National Road Safety Action Plan</li> <li>• Implement the following (5) programmes guided by NRSC               <ul style="list-style-type: none"> <li>- Wearing seat belt by drivers and passengers</li> <li>- Wearing standardized helmets by Motorcycle riders</li> <li>- Avoiding drink driving</li> <li>- Avoiding the use of hand phone while driving</li> <li>- Avoiding speed limit</li> </ul> </li> <li>• Upgrade physical, theoretical and psychological tests for drivers</li> <li>• Modify Motor Vehicle Laws and Motor Vehicle Rules</li> <li>• Install vehicle multi-testing lanes</li> <li>• Set Hot Line number for road accidents</li> <li>• Perform Global Road Safety Weeks Campaigns in nationwide</li> <li>• Add Road Safety subjects in school curriculums</li> <li>• Enact a section concerning seat belt in Motor Vehicle Law and take action</li> <li>• Take action by using speedometer on Highway</li> <li>• Take action for post-crash responses on Highway</li> <li>• Perform Road Safety awareness programmes</li> <li>• Hold the road safety engineering workshop in States and Regions and road safety audit training</li> </ul> <p>➤</p>

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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"> <li>➤ National Road Safety Action Plan will be carried out according to the timeline of its actions.</li> </ul> <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"> <li>➤ (a) the Sustainable Development Goals (SDGs)</li> </ul>	
“Cross-Cutting” Strategy	<p>14 Promote monitoring of the <b>health</b> 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</p>	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input type="checkbox"/> <b>^</b> 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"> <li>➤ Human Resource</li> <li>➤ Equipment</li> <li>➤ Financial</li> </ul>
		<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>	
		<p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> <li>➤ Ambient Air quality will be monitored in Tharkayta Township, Yangon Region and Chan Aye Thar Zan Township, Mandalay Region to save the life of children asthma patients.</li> </ul>	

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		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? ➤ (a) the Sustainable Development Goals (SDGs)	
“Cross-Cutting”	15 Establish country-specific, progressive, health-based, cost-effective, and enforceable <b>air quality and noise</b> 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	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: ➤ Technical matter ➤ Baseline data
		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. ➤ Environmental Conservation Department under Ministry of Natural Resources and Environmental Conservation is formulating National Environmental Quality Standards by cooperation with Asian Development Bank according to Environmental Conservation Law. Proposed National Environmental Quality Standards are Surface Water Quality Standards, Ground Water Quality Standards, Air Quality Standards, Emissions and Effluent Quality Standards and Soil Quality Standards.	

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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"> <li>➤ Proposed National Environmental Quality Standards will be formulated step by step by coordination with other relevant ministries.</li> </ul>		
		<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 style="text-align: center;">-</p>		
“Cross-Cutting” Strategy	16	Implement sustainable low-carbon transport initiatives to mitigate the causes of <b>global climate change</b> and to fortify national <b>energy security</b> , and to report the inventory of all greenhouse gases emitted from the transport sector in the National Communication to the UNFCCC	<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"> <li>➤ Progressing on GHG Inventory in transport sector, data availability on disaggregate information, km travel, average emission per vehicle per year</li> </ul>
			<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> <p style="text-align: center;">-</p>	
			<p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> <li>➤ Survey sampling on km / travelled per vehicle per year</li> <li>➤ Study on average emission of private, Mitigation Option Analysis</li> </ul>	

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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"> <li>➤ Propose Policy Action based on Mitigation Assessment to achieve GHG mitigation in transport sector</li> </ul>		
“Cross-Cutting” Strategy	17	Adopt <b>social equity</b> 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? <ul style="list-style-type: none"> <li><input type="checkbox"/> Not yet</li> <li><input type="checkbox"/> <b>À</b> Some progress (design – piloting)</li> <li><input type="checkbox"/> Largely in Place</li> <li><input type="checkbox"/> Fully Completed</li> </ul> (Please Check the box)	Barriers/Challenges faced in implementation: <ul style="list-style-type: none"> <li>➤ Technical assistance</li> <li>➤ Best practices</li> </ul>
			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"> <li>➤ Currently IWT under MOT is providing daily ferry services between Yangon and Dala for the well fare of poor people.</li> <li>➤ To enact the law for the disabled.</li> <li>➤ YBS is being implemented.</li> </ul>	
			Examples of important actions that you plan to carry out in next year	

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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> <p>➤ (a) the Sustainable Development Goals (SDGs)</p>	
“Cross-Cutting” Strategy	<p>18 Encourage innovative <b>financing</b> 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</p>	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> <b>À</b> 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> <p>➤ Study the best practices of other development countries</p> <p>➤ Technology</p> <p>➤ Capacity building</p>
		<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> <p>➤ Myanmar is a poor country and she has several challenges for transport sector development. Out of the challenges, finance is the key constraint for transport sector so that government is talking majority to transport infrastructure developments with private sector investment. The ODA Loans and state budget are also used for urgent development.</p>	
		<p>Examples of important actions that you plan to carry out in next year</p>	

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Goal No.	Goal Description	<b>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.</b>	
		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? ➤ (a) the Sustainable Development Goals (SDGs)	
“Cross-Cutting” Strategy	19 Encourage widespread distribution of <b>information and awareness</b> 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: ➤ Weakness in regularity ➤ Weakness in cohesion among concerned parties
		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. ➤ Road Safety data is regularly collected and analysed.	
		Examples of important actions that you plan to carry out in next year <ul style="list-style-type: none"> <li>• Myanmar Transport Master Plan (MYT-Plan) is being carried out.</li> <li>• National Road Safety Action Plan (NRSAP) is being carried out.</li> </ul>	

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		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? ➤ (a) the Sustainable Development Goals (SDGs) ➤ (b) New Urban Agenda		
“Cross-Cutting” Strategy	20	Develop dedicated and funded <b>institutions</b> that address sustainable transport-land use policies and implementation, including research and development on environmentally-sustainable transport, and promote good <b>governance</b> 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:
			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?	

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

“Cross-Cutting” Strategy	<p>Take policy initiatives to <b>improve rural access</b> 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</p>	<p>List some of actions taken to improve rural access in your country so far?</p> <ul style="list-style-type: none"> <li>➤ Implementing with 15 years Plan for rural roads starting from 2015-2016 to 2030- 2031 fiscal years (Annex-1)</li> <li>➤ New department “Department of” is formed under Ministry of Construction.</li> </ul>	<p>Barriers/Challenges faced <b>in improving rural connectivity</b>:</p> <ul style="list-style-type: none"> <li>➤ Financial investment need</li> </ul>
		<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions to <b>improve rural access</b>. Please attach reports or include websites where relevant.</p> <ul style="list-style-type: none"> <li>➤ DRD is preparing National Strategy for Rural Roads and Access (Second draft).</li> </ul>	
		<p>Examples of important actions that you plan to carry out in next year</p> <ul style="list-style-type: none"> <li>➤ Concrete road - 30/4 Mile/Ful</li> <li>➤ Bitumen road - 47/1 Mile/Ful</li> <li>➤ Macadam road - 101/7 Mile/Ful</li> <li>➤ Earth road - 22/6 Mile/Ful</li> <li>➤ Cooperation with the development partners (World Bank ,ADB , KfW , ReCAP) to improve the rural roads and rural area.</li> </ul>	

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			<p>Importance of improving <b>rural access</b> 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"><li>➤ Rural roads are increasingly being built to an all-season standard that provides year-round access, while sustainability is ensured both through appropriate designs that are adapted to climate impacts and proper maintenance</li></ul>
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