

# **9th Regional EST Forum in Asia, 17-20 November 2015, Kathmandu, Nepal**

## **Intergovernmental Ninth Regional Environmentally Sustainable Transport (EST) Forum in Asia**

**EST for Resiliency – Building Safe, Smart, Low-carbon and Resilient Cities in Asia**

### **Country Report**

**(Draft)**

**<Myanmar>**

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This country report was prepared by Myanmar as an input for the Ninth 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 last 5 years / 2010-15)

- a) Name of the Country: **The Republic of the Union of Myanmar**
- b) Name, Designation and Line Ministry/Agency Respondent: **Ministry of Environmental Conservation and Forestry, Ministry of Transport, Ministry of Rail Transportation**
- c) List other Line Ministries/Agencies contributing to preparation of the Country Report: **Ministry of Energy, City Development Committees**

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.**” Subsequently, 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.

***Each member country of the Forum is kindly requested to prepare a consolidated country report (by 15 October 2015) reflecting how EST trends and developments have taken place in the country over last 5 years (2010-2015) 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 - Zero Congestion, Zero Pollution, and Zero Accidents towards Next Generation Transport Systems in Asia. 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 October 2015**

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 over last 5 years (2010-2015)		
<b>I. Strategies to <u>Avoid</u> unnecessary travel and reduce trip distances</b>				
"Avoid" Strategy	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 checked="" type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: <ul style="list-style-type: none"> <li>• Lack of Housing Policy</li> <li>• Lack of Integrated land use and transport planning</li> </ul>
			Examples of pilot projects and/or policies developed or under development – include URLs where relevant <ul style="list-style-type: none"> <li>• Urban Transport Master Plan supported by JICA</li> </ul>	

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		Important actions you will carry out in next 5 years (2015~2020) <ul style="list-style-type: none"> <li>• Comprehensive urban transport plan of the greater Yangon (YUTRA) will be carried out.</li> <li>• State owned Enterprise road transport will be converted into public private partnership in a phase by phase manner.</li> </ul>	
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 transport infrastructure	Any action had been taken so far? <ul style="list-style-type: none"> <li><input type="checkbox"/> Not yet</li> <li><input checked="" type="checkbox"/> Some (design – piloting)</li> <li><input type="checkbox"/> Largely in Place</li> <li><input type="checkbox"/> Fully Completed</li> </ul> (Please Check the box)	Challenges faced in implementation: <ul style="list-style-type: none"> <li>• Finance</li> </ul>
“Avoid” Strategy		Examples of pilot projects and/or policies developed or under development – include URLs where relevant <ul style="list-style-type: none"> <li>• During the period of new government, the very first Integrated National Transport Master Plan (MYT-Plan) covering all modes of transport could be formulated with the assistance of JICA in accordance with NCDP and other related cross-cutting issues such as economic growth rate, population, demand forecast, etc. The feasibility study for Rehabilitation and Modernization of Yangon-Mandalay Railway Project also could be conducted by JICA.</li> </ul>	

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		Important actions you will carry out in next 5 years (2015~2020) The following projects in the MYT-Plan will be implemented in the next 5 years: (a) Rehabilitation and Modernization of Yangon-Mandalay Railway Project (b) Upgrading Yangon-Mandalay Expressway Project		
“Avoid” Strategy	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	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: <ul style="list-style-type: none"> <li>• Finance</li> <li>• Technical Assistance</li> <li>• Human Resources</li> </ul>

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	reduce unneeded travel	<p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <ul style="list-style-type: none"> <li>• Intelligent Management System run by Myanma Railways</li> <li>• Virtual Private Network run by Myanmar Railways</li> <li>• Some intersection traffic signals have been modernized and synchronized in Yangon City</li> </ul>	
		<p>Important actions you will carry out in next 5 years (2015~2020)</p> <p>Myanmar Transport Master Plan (MYT-Plan) and Comprehensive urban transport plan of the greater Yangon (YUTRA) will be carried out.</p>	
<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	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)
			Challenges faced in implementation: <ul style="list-style-type: none"> <li>• Public Awareness</li> <li>• Finance</li> <li>• Weakness in policy formulation for NMT</li> <li>• Weakness in design standards for road infrastructure</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 over last 5 years (2010-2015)	
	improvements to pedestrian and bicycle facilities, development of facilities for intermodal connectivity, and adoption of complete street design standards, wherever feasible	<p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <ul style="list-style-type: none"> <li>• Construction of separate roads for bicycles in Mandalay City</li> <li>• Construction of separate roads and overbridges for pedestrians in Yangon City, Mandalay City and Nay Pyi Taw City</li> </ul>	
		Important actions you will carry out in next 5 years (2015~2020) Myanmar National Road Safety Action Plan (NRASP) and National Implementation Plan (NIP) will be carried out.	
“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	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input checked="" type="checkbox"/> Some (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>Challenges faced in implementation:</p> <ul style="list-style-type: none"> <li>• Weakness in Finance</li> <li>• Technical Assistance</li> <li>• Weakness in cooperation and collaboration among Government and Private organizations</li> <li>• Lack of integrated Master Plan</li> <li>• Lack of policy to allocate GDP of the country to promote transport sector</li> </ul>

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		<p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <ul style="list-style-type: none"> <li>• Yangon-Mandalay Railway Rehabilitation and Modernization Project</li> <li>• Yangon Circular Rail Line Upgrading Project</li> <li>• Comprehensive Development Project for Yangon Central Railway Station Area</li> <li>• Upgrading Yangon-Nay Pyi Taw- Mandalay highway</li> <li>• Tram services in Yangon CBD area</li> <li>• Fees exemption for public transport buses and city buses</li> <li>• Bus with a high level of Service (BHLS)</li> <li>• Bus Rapid Transit (BRT)</li> </ul>
		<p>Important actions you will carry out in next 5 years (2015~2020)</p> <ul style="list-style-type: none"> <li>• Myanmar National Transport Master Plan (MYT-Plan) will be carried out.</li> <li>• To perform inter-city transport system from cities (Yangon, Mandalay, Nay Pyi Taw) to the other Regions and States with new passenger buses.</li> </ul>



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“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 pollution costs, aimed at gradually reducing price distortions that directly or indirectly encourage driving, motorization, and sprawl	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: <ul style="list-style-type: none"> <li>• Weakness in Law enforcement</li> <li>• Poor Infrastructure</li> <li>• Inefficiency of Equipments</li> <li>• Weakness in Financial support</li> <li>• Lack of policy to allocate GDP of the country to promote transport sector</li> </ul>
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant <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> </ul>	
		Important actions you will carry out in next 5 years (2015~2020) <b>Comprehensive urban transport plan of the greater Yangon (YUTRA) and Myanmar Transport Master Plan (MYT-Plan) will be carried out.</b>	

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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	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: <ul style="list-style-type: none"> <li>• Financial assistance</li> <li>• Technical Assistance</li> <li>• Legal consultant service</li> </ul>

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	<p>priority for train and barge freight over truck and air freight by building supporting infrastructure such as dry inland ports</p>	<p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <ul style="list-style-type: none"> <li>• Bus Rapid Transit for Mandalay City, design &amp; feasibility study done by SAFEGE (France)</li> <li>• Currently, Myanmar Transport Development is being widely carried out by formulating relevant policies, legislation, promoting ICT utilization and developing Infrastructures in order to handle the increased transport demand. MYT-Plan is a timely imitative which will enhance the implementation for sustainable transport development in order to achieve the social and economic development of the country. In parallel with the formulation of MYT-Plan, the developments have been made as follows:               <ul style="list-style-type: none"> <li>(a) Feasibility Study and Implementation of Yangon-Mandalay Railway Project</li> <li>(b) Feasibility Study and Implementation of Yangon Circular Railway Project</li> <li>(c) Feasibility Study and Implementation of Dry Ports in Yangon and Mandalay</li> <li>(d) Upgrading the Yangon and Mandalay International Airports</li> <li>(e) Upgrading and Maintenance of existing transport infrastructure</li> </ul> </li> </ul>

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		Important actions you will carry out in next 5 years (2015~2020) The implementation of the above mentioned projects will be continued.		
<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 technology, and natural gas	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: <ul style="list-style-type: none"> <li>• Weakness in Technical Assistance</li> <li>• Lack of law enforcement for fuel standards</li> <li>• Lack of Research and Development system</li> <li>• Constraint of financial support</li> <li>• Lack of policy to allocate GDP of the country to promote transport sector</li> </ul>
			Examples of pilot projects and/or policies developed or under development – include URLs where relevant <ul style="list-style-type: none"> <li>• Using CNG and LPG automobiles</li> <li>• Using electric-cycle</li> <li>• Inspect the emissions of automobiles</li> </ul>	
			Important actions you will carry out in next 5 years (2015~2020) Myanmar National Transport Master Plan (MYT-Plan) will be carried out.	

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“Improve” Strategy	9 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	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> <b>Some (design – piloting)</b> <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: <ul style="list-style-type: none"> <li>• <b>Weakness in Technology</b></li> <li>• <b>Lack of law enforcement for fuel standards</b></li> <li>• <b>Lack of policy to allocate GDP of the country to promote transport sector</b></li> <li>• <b>Lack of Research and Development system</b></li> <li>• <b>Weakness in equipments</b></li> </ul>
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant <ul style="list-style-type: none"> <li>• <b>Vehicles are inspected in accordance with Motor Vehicle Law and 1989 Motor Vehicle Rules</b></li> <li>• <b>Vehicles Multi-testing lanes are installed in some cities</b></li> </ul>	
		Important actions you will carry out in next 5 years (2015~2020) <b>Myanmar National Implementation Plan (NIP) and Myanmar National Road Safety Action Plan (NRSAP) will be implemented.</b>	

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"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 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 (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: <ul style="list-style-type: none"> <li>• Weakness in Research and Development systems</li> <li>• Weakness in equipments for vehicle testing</li> <li>• Weakness in skilled workers</li> <li>• Lack of policy to allocate GDP of the country to promote transport sector</li> </ul>
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant <ul style="list-style-type: none"> <li>• Vehicles Multi-testing lanes were installed in some cities</li> <li>• Private sector involvement for vehicle inspection has been 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> </ul>	
		Important actions you will carry out in next 5 years (2015~2020) <b>Vehicle Multi-testing Lanes will be installed all over the country phase by phase. Private organizations will be participated in vehicle inspection operation business.</b>	

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"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? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	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>
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant <ul style="list-style-type: none"> <li>• Myanmar is eager to utilize ICT in Transport Sector. Currently, Yangon City Development Committee is going to introduce BRT System and prepaid card system in order to provide the better public transport services. At the same time, Myanmar National Airlines is introducing the online ticketing System. Moreover, Myanma Port Authority (MPA) is preparing to install EDI System in Yangon Port in order to utilize in January, 2016.</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>• b-Smart system along Yangon-Nay Pyi Taw-Mandalay Highway</li> </ul>	

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		Important actions you will carry out in 2015~2020 <b>Comprehensive urban transport plan of the greater Yangon (YUTRA), Myanmar Transport Master Plan (MYT-Plan), National Road Safety Action Plan (NRSAP) will be implemented.</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	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> <b>Some (design – piloting)</b> <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: <ul style="list-style-type: none"> <li>• <b>Financial assistance</b></li> <li>• <b>Technical Assistance</b></li> <li>• <b>Legal consultant service</b></li> </ul>



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	systems, and support better logistics and supply chain management	<p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <ul style="list-style-type: none"> <li>• There are (4) main rivers, namely, Ayeyarwaddy, Chindwin, Thanlwin and Sittway, in Myanmar which were used for the freight transportation for many years. However, it doesn't still have any facility to accommodate the container cargo along the rivers. So, we plan (6) inland ports with modernized facilities in Sinkham, Mandalay, Pakaukku, Magwe, Monywa and Kalaywa. Out of which, Mandalay Port is the first priority to establish as early as possible. Myanma Railways is inviting the private sector investment for freight transportation such as container freight train and fuel train.</li> <li>• Myanmar has been implementing the Dry Ports Projects at Yangon Region (Ywarthargyi) and Mandalay Region (Myitnge) along the Yangon-Mandalay main corridor which is also a part of southern Trans-Asia Railway network route.</li> </ul>

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		Important actions you will carry out in next 5 years (2015~2020) <ul style="list-style-type: none"> <li>▪ Purchasing new inland vessels</li> <li>▪ Improving navigation channel</li> <li>▪ Installing navigation aid equipments along the rivers</li> <li>▪ Upgrading rail infrastructure along the arterial networks of the country</li> <li>▪ Perform freight transportation with new cargo truck from cities (Yangon, Mandalay, Nay Pyi Taw) to other Regions and States.</li> </ul>	
<b>IV. <u>Cross-cutting</u> strategies</b>			
"Cross-Cutting"	13	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 requirements, and	Any action had been taken so far? <ul style="list-style-type: none"> <li><input type="checkbox"/> Not yet</li> <li><input type="checkbox"/> Some (design – piloting)</li> <li><input checked="" type="checkbox"/> Largely in Place</li> <li><input type="checkbox"/> Fully Completed</li> </ul> (Please Check the box)
		Challenges faced in implementation: <ul style="list-style-type: none"> <li>• Financial constraint</li> <li>• Weakness in public awareness</li> <li>• Weakness in collaboration and cooperation among concerned organizations</li> <li>• Weakness of ICT</li> </ul>	

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	better post-accident care oriented to significant reductions in accidents and injuries	<p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <ul style="list-style-type: none"> <li>• Establish National Road Safety Council (NRSC)</li> <li>• Formulate National Road Safety Action Plan</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>• Road safety subject is include in school curriculums</li> <li>• The Safety measures of Aviation and Maritime Sectors are being carried out in accordance with the ICAO and IMO's is prescriptions. Moreover, we will implement the necessary measures for transport safety in the country in accordance with Master Plan as transport safety is one of it's (7) key objectives.</li> <li>• Mandalay International Airport Development Project</li> </ul> <p>Important actions you will carry out in next 5 years (2015~2020) National Road Safety Action Plan will be carried out. State level, local level and district level committees were established to implement NRSAP to meet the target of Myanmar NRSAP : “ To halve the fatality by 2020”. Besides, DMA is preparing to install the vessel traffic management system (VTMS) in near future.</p>

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“Cross-Cutting” Strategy	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	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: <ul style="list-style-type: none"> <li>• <b>Policy Improvement</b></li> </ul>
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant	
		Important actions you will carry out in next 5 years (2015~2020)	

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“Cross-Cutting”	<p>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</p>	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input type="checkbox"/> Some (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>Challenges faced in implementation:</p>
		<p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p>	
		<p>Important actions you will carry out in next 5 years (2015~2020)</p>	

## 9th Regional EST Forum in Asia, 17-20 November 2015, Kathmandu, Nepal

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 over last 5 years (2010-2015)	
“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	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation:
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant	
		Important actions you will carry out in next 5 years (2015~2020)	
“Cross-Cutting”	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	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation: <ul style="list-style-type: none"> <li>• <b>Finance</b></li> <li>• <b>Technical Assistance</b></li> <li>• <b>Best Practices</b></li> </ul>

## 9th Regional EST Forum in Asia, 17-20 November 2015, Kathmandu, Nepal

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 over last 5 years (2010-2015)	
	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	<p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <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>•</li> </ul>	
		Important actions you will carry out in next 5 years (2015~2020)	
“Cross-Cutting”	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	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> ✓ Not yet</p> <p><input type="checkbox"/> Some (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>Challenges faced in implementation:</p> <ul style="list-style-type: none"> <li>• Study the best practices of other developed countries</li> </ul>

## 9th Regional EST Forum in Asia, 17-20 November 2015, Kathmandu, Nepal

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 over last 5 years (2010-2015)	
	public-private partnerships such as land value capture, including consideration of carbon markets, wherever feasible	<p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <ul style="list-style-type: none"> <li>• Myanmar is a poor country and she has several challenges for transport sector development. Out of these challenges, finance is the key constraint for transport sector so that government is taking majority of transport infrastructure developments with private sector investment. The ODA Loans and state budget are also used for urgent development. In order to take the effective measures for transport planning and investment, the government is aiming to use to be at least 4 % of GDP.</li> </ul>	
		Important actions you will carry out in next 5 years (2015~2020)	
“Cross-Cutting”	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,	<p>Any action had been taken so far?</p> <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation:



## 9th Regional EST Forum in Asia, 17-20 November 2015, Kathmandu, Nepal

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 over last 5 years (2010-2015)	
	and participatory processes	Examples of pilot projects and/or policies developed or under development – include URLs where relevant	
		Important actions you will carry out in next 5 years (2015~2020)	
“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 (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Challenges faced in implementation:
		Examples of pilot projects and/or policies developed or under development – include URLs where relevant	
		Important actions you will carry out in next 5 years (2015~2020)	