

10th Regional EST Forum in Asia, 14-16 March 2017, Vientiane, Lao PDR

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

2030 Road Map for Sustainable Transport ~Aligning with Sustainable Transport Development Goals (SDGs)~

Country Report

(Draft)

<Mongolia>

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

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Country Report

MONGOLIA

February 2017

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Country EST Report (covering from Nepal EST Forum 2015 to Lao EST Forum 2017)

a) Name of the Country:

MONGOLIA

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

Gotov Dugerjav, Advisor to the Minister, Ministry of Road and Transport Development, Mongolia

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

- **Ministry of Environment & Tourism;**
- **Ministry of Construction and Urban Development**

d) Reporting period: **2015-2017**

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. Subsequently, EST member countries adopted the “**Colombo Declaration**” for the promotion of next generation low-carbon transport solutions in Asia.

*Each member country of the Forum is kindly requested to prepare a consolidated country report (by **15 January 2017**) reflecting how EST trends and developments have taken place in the country from Nepal EST Forum 2015 to Lao PDR EST Forum 2017 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

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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 January 2017.**

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 Nepal EST Forum 2015 to Lao EST Forum 2017.	
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	Any action had been taken so far? <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"> - Lack of efficient Legal Environment is most challenging issues which are faced in implementation. - Frequent changes of National Policy on Land-use and Transport planning due to Government changes. - Land clearance for new road construction, especially for Ulaanbaatar-Nalaikh road. 	

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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"> - Parliament of Mongolia approved the Master Plan of Ulaanbaatar city up to 2030. In this document, the land use and transport planning issues are included. /Parliament Decree #23, by February 2013/ <p>According to the above mentioned Master Plan, Government of Mongolia implements the “STREET” Project by the Ulaanbaatar City Municipality to improve the road network system /establish Grid system/ of Ulaanbaatar City and increase traffic movement capacity.</p> <ul style="list-style-type: none"> - 2016: Master Plan for Roads Network of Mongolia (National level) was completed by the Ministry of Road and Transport Development in association with South Korea Transport Institute and other partners. - 2015 and 2016: Policy and Strategy for Road and Transport network development in Dornogobi and Bulgan provinces Mongolia (regional level) were prepared. - Ulaanbaatar city Transport Project report prepared by ADB (See Website: http://mrtd.gov.mn/report/UB%20transport%20project-ADB.pdf)

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		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <ul style="list-style-type: none"> - Ministry of Roads and Transport Development is planning to reconstruct road section (220 km) between Ulaanbaatar and Darkhan city with cement concrete pavement. This is road with highest traffic and very frequent traffic accidents. - Ulaanbaatar city Municipality plans to reconstruct road between Ulaanbaatar and Nalaikh (22 km) including 2 big bridges. It has most heavy traffic and very frequent traffic accidents. - Also, we plan to carry out in next year (2017-2018) Transport network planning in selected 3 Provinces of Mongolia (regional level) 	
		<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> <p>The EST Goal is very important in Mongolia as guidance in EST planning to achieve SDG up to 2030 by improving road conditions for international, regional and local transportation.</p>	
"Avoid" Strategy	2	<p>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</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 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"> - Barriers related to land clearance for implementation of BRT project within the capital city-Ulaanbaatar 	

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	transit-oriented development (TOD) when introducing new public transport infrastructure	<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"> - In the new Master Plan of Ulaanbaatar city up to 2030, the Urban Transportation System visions and their implementation general guidelines were formulated and inserted. Objectives of improvement of urban transportation system area are as follows: (1) Provide foundation for sustainable urban growth through strategic infrastructure and coordinated operation; (2) Promote competitive economic development and investment through integrated development; (3) Ensure mobility, accessibility and safety for all people including the poor and disabled through high quality public transport services, barrier-free infrastructures and necessary safe net; (4) Reduce negative impacts on environment and energy use through adequate physical measures and institutional arrangements; (5) Enhance people’s awareness on the significant role of transport and promote beneficiary-pay-principle. - 2016: BRT project report in Ulaanbaatar city funded by ADB (Please see website: Urban Transport Development Investment Program-Tranche 1/ADB) - 2015: Final report on study for Public city transport development in Ulaanbaatar (on the basis of the Master Plan, Land use plan of the city by 2030) was prepared by JICA (Please see Website: http://mrtd.gov.mn/report/Summary-Metro%20project%20by%20JICA_EN_final.pdf)

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		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <ul style="list-style-type: none"> - Preparation of Detailed Design of the BRT for selected routes. 	
		<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> <p>The EST Goal is important in Mongolia as guidance in EST planning to achieve SDG up to 2030 by actively promoting transit-oriented development when introducing new public transport infrastructure.</p>	
“Avoid” Strategy	3	<p>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</p>	<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"> - Limited access to Internet in rural areas 	

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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> <p>The Government developed several policies and projects aimed to reduce unneeded travel:</p> <ul style="list-style-type: none"> - A Government public call center 11-11 (hotline) is supposed to provide feedback and information to the Government service information and complaints from citizens. - The Government organizes teleconferencing every month regularly, covering all province's Governors and relevant organizations. - A Citizens service center, called "Single window" is providing several citizens services at once to helping reducing time and travel. - Intelligent Transport systems for Mongolia project is under development –ADB Technical Assistance project - Initiatives on Electronic ticketing system to sale international and intercity bus, train and air tickets were introduced in 2016.
		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <ul style="list-style-type: none"> - National ITS policy and deployment plan for Mongolia's transport systems (financed by the Republic of Korea and knowledge Partnership Fund)

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		<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> <p>The EST Goal is important in Mongolia as guidance in EST planning to achieve SDG up to 2030 by providing internet access, teleconferencing, and telecommuting, as a means to reduce unneeded travel.</p>		
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	Any action had been taken so far? <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"> - Lack of funding - Bicycles cannot be used in winter seasons

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	pedestrian and bicycle facilities, development of facilities for intermodal connectivity, and adoption of complete street design standards, wherever feasible	<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"> - Over the last 3 years in selected provinces and Capital city of Mongolia were implemented “STREET PROJECTS” to improve street design, pedestrian and bicycle facilities. - In 2016 a standard of bicycle road was developed. - National standard: Guide on designing of sidewalk for pedestrians MNS 6056: 2009
		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <p>Above project has been renamed as Project “DEVELOPMENT GUIDE-INFRASTRUCTURE” that will be implemented in Ulaanbaatar city and 18 provinces.</p>
		<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> <p>The EST Goal is important in Mongolia as guidance in EST planning to achieve SDG up to 2030 by improving pedestrian and bicycle facilities and adoption of complete street design and bicycle standards.</p>

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“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	Any action had been taken so far? <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: - Inadequate and poor quality of public transport services - Obsolete fleet of buses and trolleybuses
		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. Embarkation of BRT project (technical design for ITS/BRT & e-ticketing with MDB funding According to the BRT project, the major arterial corridor along East –West is planned.	
		Examples of important actions that you plan to carry out in next year (2017~2018) - Preparation of Detailed design of the BRT for selected routes. - Start of reconstruction BRT dedicated roads along the selected routes.	

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		<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> <p>The EST Goal is important in Mongolia as guidance in EST planning to achieve SDG up to 2030 by improving public transport services including high quality and affordable services on dedicated infrastructure.</p>	
"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 pollution costs, aimed at gradually reducing price distortions that directly	<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"> - Increasing number of private second hand vehicle imported. - Mixed use of vehicles with Right and Left hand steering - Road vehicles in use are very obsolete. 60% of vehicles registered are more than 6 years old.

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	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> <p>Since 2010, Restriction of use private motorized vehicles by Vehicle plate numbers is taking place in Ulaanbaatar city in order to reduce transport demand, congestion and air pollution.</p> <p>The Ulaanbaatar city Municipality approved an Action plan against traffic congestion. The Action plan included several measures:</p> <ol style="list-style-type: none"> 1. State employees shall use public transport instead of private cars. The survey shows 15 thousand state employees use their private car to come to the office. 2. The Municipality decided to restrict private cars by their plate numbers digit in downtown area of Ulaanbaatar from 8 a.m. to 8 p.m. For example cars plate numbers with last digit 1 and 6 are not allowed to enter to the downtown on Mondays. 2 and 7 on Tuesdays, 3 and 8 on Wednesdays, 4 and 9 on Thursdays, 5 and 0 on Fridays. 3. The Municipality also approved School bus project. School buses are not common in Mongolia. Only some private secondary schools provide buses to their pupils. School bus is one of the ways to reduce traffic congestion and also ensured safe environment for children. According above mentioned issue city administration started negotiate with some schools to use school buses.

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		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <ul style="list-style-type: none"> - Above restriction procedures will be continued in coming years. - A School bus project will be developed and implemented in Ulaanbaatar city. - Restriction measures on use of vehicles with Right hand steering will be taken by increasing import tax imposed on them. 	
		<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> <p>The EST Goal is relevant to Mongolia as guidance to achieve SDG up to 2030 by reducing the urban transport mode share of private motorized vehicles through Transportation Demand Management (TDM) measures.</p>	
“Shift” Strategy	<p>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>	<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"> - Domestic air passenger services have high costs and limited access in Mongolia - Undeveloped service facilities along intercity passenger and goods transport routes.

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	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"> - 2016: The Project for Establishment of a Master Plan for the Mineral Resources and Infrastructure Development and Financing Requirements of Mongolia (Please see Website: http://mrt.d.gov.mn/report/Master%20plan-Korea_eng.pdf) - 2016: A Program for Essential air services in remote areas was developed (National level initiative). - The Government plans to connect with paved road network between Ulaanbaatar city and 21 province centers by 2017. Capital city Ulaanbaatar is currently connected to only 15 provinces with paved roads. As result of the connectivity, the road network becomes more sustainable, comfortable inter-city passenger and goods transportation.
		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <p>We plan to implement project “Intercity passenger services” by introducing high-quality long distance buses (280 buses) by the Korea EXIM bank soft loan.</p>

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		<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> <p>The EST Goal is important in Mongolia as guidance in EST planning to achieve SDG up to 2030 on the basis of significant shifts to more sustainable modes of inter-city passenger and goods transport, including priority for high-quality long distance buses.</p>
<p>III. Strategies to <u>Improve</u> transport practices and technologies</p>		

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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 technology, and natural gas	Any action had been taken so far? <input checked="" 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"> - Air pollution in Ulaanbaatar City, especially in the winter season, is one of the most serious problems for the City. Heavy air pollution is been caused by the increase in ‘Ger’ housing and traffic congestion. Lack of greenery, parks and open space and deteriorating landscape is also affecting climate change. Emission of toxic gas from automobile engines has become one of the main factors of air pollution contributing about 10 %. - Mongolia has no compressed natural gas (CNG) distribution network; - Limited use of hybrid vehicles; - In adequate quality of imported fuel
		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. Currently there are 70 LPG distribution stations throughout Mongolia and approximately 15,000 vehicles (passenger cars and small trucks) use LPG	

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		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <ul style="list-style-type: none"> - Project to shift diesel engine buses to CNG or LPG - Policy on increasing number of vehicles operating on electricity in Cities. 	
		<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> <p>The EST Goal is important goal for Mongolia to achieve SDG up to 2030 by diversifying towards more sustainable transport fuels and technologies, including greater market penetration of options such as vehicles operating on electricity generated from renewable sources, hybrid technology and natural gas.</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 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"> - Poor quality of imported fuels; - Limited sources for importing fuel - Limited sources for importing CNG

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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> <p>In 2016, Government made decision to implement “Project of Establishment of Plant for producing Fuel using domestic raw petrol in Sainshand city” to be funded by soft loan from India.</p>
		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <ul style="list-style-type: none"> - Policy on increasing use of chemical components to improve fuel efficiency and reduce emissions for all vehicle types. - Feasibility study and design of the Plant for producing Fuel.
		<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> <p>The EST Goal is important in Mongolia as guidance in EST is planning and policy making to achieve SDG up to 2030 by Setting appropriate and affordable standards for fuel quality.</p>

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“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 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"> - Obsolete fleet of vehicles (60% of vehicles is more than 6 years old); - Mix of use of vehicles with Right and Left hand steering wheels; - Lack of facilities and equipment for vehicle inspection
		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"> - In 2015 the Parliament approved A New Law on Traffic safety - In 2017 the Parliament made an amendment to the Law on Traffic safety - In 2015- 2016 developed and enforced progressive safety standards such as Requirements on Helmets for motorcycle and moped drivers and passengers, Requirements on child seats in car and procedures on auditing roads for traffic safety and etc. - Now, a Laboratory for Certification and Assurance of the vehicle testing equipment is being established in Ulaanbaatar city. 	

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		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <ul style="list-style-type: none"> - Complete establishment of the Laboratory for Certification and Assurance of the vehicle testing equipment. - Equip existing Vehicle inspection centers with modern equipment and instruments. 		
		<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> <p>The EST Goal is most important in Mongolia to achieve SDG up to 2030 by establishing effective vehicle testing and compliance regimes, including formal vehicle registration systems and appropriate periodic vehicle inspection and maintenance (I/M) requirements.</p>		
"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 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"> - Lack of fiber optic network along the some inter-city roads

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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> <p>2016: National standards on toll gates, transport control centers and service facilities along the main roads were approved.</p> <p>2016: Smart card for electronic fare collection system was introduced in Ulaanbaatar city public transport.</p>
		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <ul style="list-style-type: none"> - It is planned to adopt road user charging system in some sections of road network
		<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> <p>The EST Goal is one of the new important goals in Mongolia to achieve SDG up to 2030.</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 Nepal EST Forum 2015 to Lao EST Forum 2017.		
“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 checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation: - Lack of logistics facilities - Poor conditions of service facilities along the main transport corridors - Lack of funding for logistics facilities development
			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"> - Establishment of Logistics center in Zamyn-Uud border crossing point with China. Investment of the project is made by ADB and Mongolia’s Government. - The Project for Establishment of a Master Plan for the Mineral Resources and Infrastructure Development and Financing Requirements of Mongolia 	
			Examples of important actions that you plan to carry out in next year (2017~2018) <ul style="list-style-type: none"> - Construction of Logistics center in Ulaanbaatar city funded by ADB will be continued. 	

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		<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> <p>The EST Goal is important in Mongolia as guidance in EST planning to achieve SDG up to 2030 and increase Logistics Performance Index (LPI) of Mongolia (According to LPI in 2016 Mongolia was at 108 place out of 160 countries.</p>	
IV. <u>Cross-cutting</u> strategies			
"Cross-Cutting"	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	Any action had been taken so far? <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: - Lack of enforcement of Traffic safety law and Regulations	

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	requirements, and better post-accident care oriented to significant reductions in accidents and injuries.	<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>Mongolia established formal Vehicle registration and inspection system, It covers several actions such as registration of vehicles, safety standards, inspection standards and items including acceptable level of exhaust gas and vehicle inspections.</p> <ul style="list-style-type: none"> - Term of inspection for public transportation buses and taxis is every 6 month, for other vehicles is every year. - 2012: National Strategy for ensuring Road Traffic Safety up to 2020 was approved by the Government;
		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <p>We plan to carry out A New National Strategy and Master Plan for ensuring traffic safety up to 2030 including:</p> <ul style="list-style-type: none"> - National road safety white paper - National road safety policy and action plan - Road safety management capacity development - ITC-based road crash database - Knowledge products on National road safety policy and action plan.

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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 Nepal EST Forum 2015 to Lao EST Forum 2017.	
		<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> <p>The EST Goal is important in Mongolia as guidance in EST planning to achieve SDG up to 2030 on significant reductions in accidents and injuries.</p>	
“Cross-Cutting” Strategy	<p>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</p>	<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> <p>1. In order to carry out health risk assessment of air pollution, in addition to sulfur dioxide and nitrogen dioxide, other toxic pollutants such as ozone (O₃), TSP, PM₁₀/PM_{2.5}, lead (Pb) and benz-a-pyrene (C₂₀H₁₂) should be measured. However, currently, there is no capacity to measure above mentioned air pollutants in all air quality monitoring stations.</p> <p>2. Financial barriers to implement project on infrastructure reconstruction, to increase hydrogen and hybrid fuel use in vehicles and encourage low fuel consumption cars and to extend the number of busses and trolleybuses used for public transportation in cities</p> <p>3. Limited projects implemented in monitoring of the environmental and health sector impacts from transport emissions and its reduction.</p>

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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> <p>Main sources of air pollution in Ulaanbaatar city is:</p> <ol style="list-style-type: none"> 1. Household chimney /ger district/ which uses raw coal in winter time-70% 2. Transport emission-10% 3. Thermal power stations and rest -20% <p>Actions taken and policy documents: 1. Prohibited to export more than 10 years old car. 2.Law on air pollution fee, 2010</p> <p>3. “New Reconstruction Midterm Development Program” 2010-2016 (to decrease air pollution in Ulaanbaatar city 30% by 2012, 50% by 2016, the program encouraged to improve infrastructure sector)</p> <p>Some projects:</p> <p>1. Characterization and source identification of particulate air pollution in the Asia region /WHO 2007-2010/; 2. Ulaanbaatar Clean Air /ADB, 2010-2011/; 3. Evaluation of air pollution mitigation in Ulaanbaatar city and its health impact /USAID; 4. Establishment of an air quality monitoring and health impact baseline from air pollution in Ulaanbaatar city, Mongolia /World Bank 2008-2009/; 5. Project on Enhancing monitoring capacity to reduce air pollution in Ulaanbaatar city (JICA 2013) (Улаанбаатар хотын агаарын бохирдлыг бууруулах хяналтын чадавхийн бэхжүүлэх төсөл- 2013). However, specific project on monitoring of the health impacts from transport emission is not been implemented which is important to air pollution reduction issues.</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 Nepal EST Forum 2015 to Lao EST Forum 2017.	
		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <p>In 2015 the Government of Mongolia approved “Green Development policy” which will be implemented in next years.</p>	
		<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> <p>The EST Goal is important in Mongolia as guidance in EST planning to achieve SDG up to 2030 through monitoring of the health impacts from transport emissions and noise.</p>	
“Cross-Cutting”	<p>15</p> <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</p>	<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> <p>- enforcement problem of applicable standards</p>

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	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>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>Air quality standards: 1. In 2008, the Air Quality Standard was revised and approved by the National Standard Organization based on the WHO Air Quality Guideline, 2005. Since then, this new standard for air quality MNS 4585:2007 has been used; 2. MNS 5885:2008 Amount of air pollution elements; 3. MNS 5013:2009 Permitted limit and methodology of measurement of petrol engine automobile in emission; 4. MNS 5014:2009 Permitted limit and methodology of measurement of diesel engine automobile in emission; 5. MNS 0216:2006-Diesel fuel. Technical requirements; MNS 6342:2012 Air quality. Hazardous waste incineration emission, its permitted limit; 6. MNS 5457:2005 Pellet fuel. Technical requirement; 7. MNS 5919:2008 Permitted limit and methodology of measurement from thermal power station's emission. 8. MNS 6298:2011 Permitted limit and methodology from new thermal power station's emission etc. There are 47 standards totally related to air pollution in Mongolia.</p> <p>Noise standard: MNS 17.5.1.21:1992 Transport noise standard and its methodology of measurement.</p> <p>Major actions taken:</p> <ol style="list-style-type: none"> 1. National Committee on Air Pollution Reduction was established in 2012 under the Presidential Office. 2. The Clean Air Fund was established in the framework of Law on Air 3. City's Air Quality Office was established for air quality monitoring

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		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <p>1. Joint resolution was signed between Ministry of Environment and Green Development, Ministry of Road and Transport, and Ministry of Justice for cooperation on transport sector air pollution reduction. In the Frame of this cooperation following actions are planned:</p> <ul style="list-style-type: none"> - to increase hybrid fuel use in vehicles and encourage low fuel consumption cars and public transport -to introduce ‘Eco’ label on road vehicles -to improve monitoring of vehicle fuel quality -to develop draft law on custom tax remittal of environmentally non-friendly road vehicles import - to improve and renew some regulations and old standards. <p>2. In connection with air pollution mitigation the following actions are reflected in the Mongolia’s Government Action Plan-2016-2020:</p> <ul style="list-style-type: none"> - The Ministry of Construction and Urban Development will formulate Draft Law on Green Construction in City and Settlement, Law on Car Parking, and Draft Law Revision on Urban Development of Mongolia and get have approval on its enforcement; - In the frame of implementation works of Master Plan 2020 for Ulaanbaatar City Development, modernize roads and transport network within Capital city and promote Street project and Bicycle Roads subprogram to improve the access capacity. <p>3. Develop Master Plan for Provinces’ Development within urban planning objectives.</p>

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		<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> <p>The EST Goal is essential for Mongolia as guidance in EST planning to achieve SDG up to 2030.</p>	
"Cross-Cutting"	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	<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> <p>-Small market to implement Clean development mechanism project in transport sector.</p> <p>-Lack of international and regional cooperation in low carbon transport initiatives</p> <p>-Lack of financing mechanism on low carbon transport initiative</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 Nepal EST Forum 2015 to Lao EST Forum 2017.
	Communication to the UNFCCC	<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>GHG inventory was conducted in 2006. According to the survey, Mongolian second national communication under the UNFCCC was developed in 2010.</p> <ul style="list-style-type: none"> - “The National Renewable Energy Program”- from 2005 to 2020 was developed. Main goal of this program is to increase share of renewable energy in total energy generation to 20-25% by 2020. -The parliament of Mongolia approved the National Action Program on Climate Change in 2011. The program covers period of 2011-2021. First phase of the program implementation was approved by the Government of Mongolia. - Pilot research project “Strategies for Green Public Transport in Mongolia” is being implemented at the Ministry of Road and Transport development with support of GGGI of Korea. Main objective is to study of opportunity to promote clean energy technologies for the public transport and enhanced inspection rules and regulation for vehicle emission control. - Document on Low carbon partnership between Mongolian and Japanese Governments was signed in January 2013.
		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <ul style="list-style-type: none"> - to implement GHG inventory - to introduce “Eco” label in transport sector

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		<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> <p>The EST Goal is important for Mongolia as guidance in EST planning to achieve SDG up to 2030 on the basis of implementation of 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.</p>	
"Cross-Cutting"	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	<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"> - Poor accessibility of streets, buildings and public transport systems for persons with disabilities and elderly.

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	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	<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"> - Space and Setting standard for disabled person in civil structure. General Requirements. MNS 6055: 2009 - Guide on designing for sidewalk for pedestrians. MNS 6056: 2009
		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <ul style="list-style-type: none"> - Amendments of the above standards will be carried out.
		<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> <p>This particular EST Goal is one of the challenges in Mongolia's on-going efforts in achieving the Sustainable Development Goals (SDGs) under the 2030 Agenda for Sustainable Development.</p>

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“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 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: - Lack of car parking facilities
		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. The Ministry of Construction and Urban Development is formulating the Draft Law of Mongolia on Car Parking within framework of establishing the sustainable road and transport infrastructure in city through mitigation of road congestion in major cities.	
		Examples of important actions that you plan to carry out in next year (2017~2018) - Law of Mongolia on Car Parking will be approved and enforced.	

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		<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> <p>The EST Goal is important in Mongolia as guidance in EST planning to achieve SDG up to 2030 by encouraging innovative financing mechanisms for sustainable transport infrastructure and operations through measures, such as parking levies, fuel pricing etc.</p>	
"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	<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"> - Lack of funding
		<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>Government of Mongolia approved “National Program for reducing air pollution” between 2017 and 2021. Also, approved Action plan of its implementation. Part of the Program is devoted to distribution of information and awareness on sustainable transport to all levels of government and to the public.</p>	

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		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <ul style="list-style-type: none"> - Encourage widespread distribution of information and awareness on sustainable transport to all levels of government and to the public. 		
		<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> <p>The EST Goal is important in Mongolia as guidance in EST planning to achieve SDG up to 2030 by encouraging widespread distribution of information and awareness on sustainable transport to all levels of government and to the public.</p>		
“Cross-Cutting”	20	<p>Develop dedicated and funded institutions that address sustainable transport-land use policies and implementation, including research and development on environmentally-sustainable</p>	<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"> - Lack of capabilities of institutions that address sustainable transport-land use policies.

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	transport, and promote good governance through implementation of environmental impact assessments for major transport projects	<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><i>In order to promote good governance, implementation of environmental impact assessments for major transport projects were done.</i></p>
		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <p><i>Implementation of environmental impact assessments for major transport projects will be continued.</i></p>
		<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> <p><i>The EST Goal is important for Mongolia as guidance in EST planning to achieve SDG up to 2030 by conducting research and development on environmentally-sustainable transport, and promote good governance through implementation of environmental impact assessments for major transport projects.</i></p>

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

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“Cross-Cutting” Strategy	<p>Take policy initiatives to improve rural access leading, 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>	<p>Barriers/Challenges faced in improving rural connectivity:</p> <p>Improving rural connectivity is one of the big challenges in Mongolia due to sparsely populated territory of the country.</p>
		<p>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.</p> <p>2016: TA Project “Connectivity for Future growth, Mongolia” funded by ADB (see Website: http://mrt.d.gov.mn/report/Connectivity%20project_Executive%20Summary.docx)</p>	
		<p>Examples of important actions that you plan to carry out in next year (2017~2018)</p> <p>“Soum -sub province center redevelopment” project is being implemented in a soum center of each 16 provinces by state budget fund of 80,0 billion turgugs (Mongolian currency), that is tasked on building and providing roads, water supply, wastewater treatment facilitation, electricity supply and school dormitory which of those are needed in where.</p>	

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			<p>Importance of improving rural access in your country's on-going efforts in achieving the Sustainable Development Goals (SDGs) under the 2030 Agenda for Sustainable Development?</p> <p>The EST Goal is important in Mongolia as guidance in EST planning to achieve SDG up to 2030 by the taking policy initiatives to improve rural access leading, leading to improved quality, safety and security for all and especially for women, disadvantaged groups with disabilities and elderly, low-income groups.</p>
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