

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

**28-31 October 2019**

**Hanoi, Viet Nam**

*Achieving Smart and Resilient Cities Through Low-Carbon and  
Intelligent Transport System*

## **Country Report**

**(Draft)**

**< Pakistan >**

---

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

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Country EST Report (covering from Mongolia EST Forum 2018 to Viet Nam EST Forum 2019)

a) Name of the Country: Islamic Republic of Pakistan

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

Dr. Saleem Janjua, Country Coordinator/NPC (Generating Global Environmental Benefits-GEB), Ministry of Climate Change (MoCC), Government of Pakistan, Islamabad

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

National Transport Research Centre (NTRC), Ministry of Communications, Government of Pakistan, Islamabad

d) Reporting period: 2018-2019

DRAFT REPORT

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

*Each member country of the Forum is kindly requested to prepare a consolidated country report (by **15 August 2019**) reflecting how EST trends and developments have taken place in the country from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019 around the Goals of the Bangkok 2020 Declaration as an interim assessment following the below format.* You are most welcome to add extra pages or sections to share any major on-going initiatives or future plans, including mega transport projects, transport master plans, special transport corridor development, expansion of railways and rail route developments, etc.

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

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

PAKISTAN

Timeline for submission by **15 August 2019.**

By email to: [est@uncrd.or.jp](mailto:est@uncrd.or.jp)

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.		
<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	<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"/> <b>Largely in Place</b></p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	<p><b>Barriers/Challenges faced in implementation:</b></p> <ul style="list-style-type: none"> <li>• Heavy subsidy for current BRT systems</li> <li>• Few BRT corridors in Pakistan, which are without comprehensive integrated BRT/LRT systems</li> <li>• Strong opposition from various stakeholders</li> <li>• Developmental institutions with limited understanding/awareness related to the EST systems (construction of more and more roads/widening of roads/flyovers, etc.)</li> </ul>

## 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

### PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
		<p><b>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.</b></p> <p><b>Some of the initiatives, projects, and policies developed are as follows:</b></p> <ul style="list-style-type: none"> <li>• Implementation of BRT (Bus Rapid Transit) projects in three major cities of Pakistan with integrated land use and transport planning; namely: Lahore Metro Bus, Rawalpindi-Islamabad Metro Bus, and Multan Metro Bus (already operational). Peshawar Metro Bus is also under construction, with integration of land-use and transport planning processes.</li> <li>• Institutional arrangements related to the sustainable transport in Pakistan have also been made. In this regard, Punjab MassTransit Authority (PMA) has been established, which is a statutory body created by the Government of Punjab-Pakistan with the purpose of planning, construction, operation and maintenance of mass transit systems in the major cities of Punjab province, Pakistan for providing safe, efficient and comfortable urban transportation system. PMA aims to provide state of the art mass transit system for all. The PMA is making efforts to establish and operate mass transit system which is safe, comfortable and efficient.</li> <li>• Under the China-Pakistan Economic Corridor (CPEC), 4 Rail based mass transit projects namely Karachi Circular Railway, Greater Peshawar Region Mass Transit, Quetta Mass Transit, and Orange Line, Lahore are planned to be constructed to ensure integrated land-use and transport planning in the country.</li> </ul>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
		<p><b>Examples of important actions that you plan to carry out in next year</b></p> <ul style="list-style-type: none"> <li>• Sustainability aspects will be ensured in all BRT/rail-based urban projects in Pakistan.</li> <li>• Islamabad Master Plan is currently under revision (year-2019) and will incorporate SUT (sustainable urban transport) strategies and policies to ensure integrated land-use and transport planning.</li> <li>• Under CPEC, Gwadar Master Plan is being finalized as well after rigorous research and stakeholders' consultation. Initial reports depict that the "Gwadar Smart Port City Master Plan" incorporates strategies and policies to ensure integrated land-use and transport planning.</li> </ul>	
		<p><b>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b></p> <p>Integrated land-use and transport planning is an important goal of EST and is also a "high priority" area for Pakistan. Various initiatives, projects and policies (as described above) being implemented/efforts underway in Pakistan by the current Government aim to meet the SDGs targets, Paris Climate Agreement and other international commitments.</p>	
"Avoid" Strategy	2	<p><b>Achieve mixed-use development and medium-to-high densities along key corridors within cities through appropriate land-use policies and provide people-oriented local access, and actively promote transit-oriented</b></p>	<p><b>Any action had been taken so far?</b></p> <p><input type="checkbox"/> Not yet</p> <p><input checked="" type="checkbox"/> <b>Some progress (design – piloting)</b></p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>
		<p><b>Barriers/Challenges faced in implementation:</b></p> <p>Transit-oriented development in cities is being discouraged by various stakeholders and public at large.</p>	

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
	development (TOD) when introducing new public transport infrastructure	<p><b>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.</b></p> <p>Efforts are being made to provide people-oriented local access to all BRTs in Pakistan and actively promote transit-oriented development (TOD). In this regard, feeder routes have been developed to enhance access of common man along the existing metro projects. For example, Punjab Government has recently inducted air conditioned bus service on feeder routes for various Lahore Metro Bus routes. This feeder bus service is aimed to connect the rest of Lahore City with the 27 KM corridor of Metro Bus Service. With 200 buses in this service, the ‘Speedo Bus Service’ (feeder routes) is covering 129 KM of route length and provide commute to citizens on 14 different routes in Lahore. Additionally, the service has been introduced with an e-ticketing system. Additional features of this feeder routes service include an automated announcement system, surveillance system, ramp &amp; seats for special persons and door sensors for passenger safety. These buses have also been fitted with a temperature notification, which can be viewed from the control center. Since this is a feeder bus service aimed to link the rest of the city with Metro Bus Service, the option to use a Metro Bus Card has been enabled in this transit service. The feeder buses in Lahore operate between 6:00 AM to 11:00 PM.</p> <p><b>Examples of important actions that you plan to carry out in next year</b></p> <p>Completion of various projects under CPEC (China-Pakistan Economic Corridor (CPEC) would support having mixed-use development in Pakistan as CPEC aims to establish nine (09) special economic zones in Pakistan.</p>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
		<p><b>What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b></p> <p>To achieve mixed-use development and encourage transit-oriented development (TOD) is the foremost priority of the present government. Heavy investments under the CPEC in provision of transport infrastructure, improvement of ML-1 rail line, emphasis on rail-based mass transit projects in cities, and completion of motorways and roads at a phenomenal speed depict strong will on part of the present government in Pakistan that would ultimately achieve various SDGs and would reduce GHGs supporting the Paris Climate Agreement.</p>	
“Avoid” Strategy	<p><b>3</b> Institute policies, programmes, and projects supporting <b>Information and Communications Technologies (ICT)</b>, such as internet access, teleconferencing, and telecommuting, as a means to reduce unneeded travel</p>	<p><b>Any action had been taken so far?</b></p> <p><input type="checkbox"/> Not yet</p> <p><input type="checkbox"/> Some progress (design – piloting)</p> <p><input checked="" type="checkbox"/> <b>Largely in Place</b></p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	<p><b>Barriers/Challenges faced in implementation:</b></p> <ul style="list-style-type: none"> <li>• Lack of awareness by common people</li> <li>• Institutional challenges/barriers</li> <li>• Security and safety concerns</li> <li>• Lack of experts in the ICT-transport area</li> </ul>

## 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

### PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
		<p><b>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.</b></p> <ul style="list-style-type: none"> <li>• All the government departments and organization have adopted e-governance, i.e. ICT (E-Government project was initiated in Pakistan almost 10 years ago)</li> <li>• Traffic synchronized signals are in-place at most of the intersections in major urban areas of Pakistan.</li> <li>• Web-based taxi services (CAREEM, UBER) are successfully operational in major cities of Pakistan</li> <li>• Punjab Safe City Authority has initiated various projects in major cities of Pakistan that through the usage of ICT are providing safety, rescue, fire-fighting, disaster management, and other services.</li> <li>• Cross-border optical fiber project at a cost of \$37 million has been completed in Giligit-Balitistatan under the CPEC portfolio. The fiber optical cable covers an area of 820 KM. The project will help improve the telecom and ICT industry of Pakistan, promote tourism and create trading opportunities for northern areas of the country. It will also provide the ICT infrastructure for 3G/4G services in the northern areas of Pakistan and enhance communication security with an alternative fiber route.</li> <li>• The present Government has launched “Pakistan Citizen Portal” (a web portal) under one of its manifestations of “Naya Pakistan” in which the people would get a sense to own the government.</li> </ul>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
		<p><b>Examples of important actions that you plan to carry out in next year</b></p> <ul style="list-style-type: none"> <li>• Pakistan Metrological Department is establishing Early Warning System with the assistance of World Bank. This would also ensure the sustainability of transport infrastructure in the country.</li> <li>• Punjab Information Technology Board (PITB) is launching various projects. One of the notable projects include the “digitalization of Punjab Province and supporting entrepreneurship and job creation”.</li> <li>• Pilot Project of Digital Terrestrial Multi-media Broadcast (DTMB) under CPEC will progress in near future in Pakistan.</li> </ul> <p><b>What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b></p> <p>Development of ICT and its related infrastructure is the top most important area of the present government and actions/strategies in the realization of this EST goal will help Pakistan achieve SDGs goals and other climate-related international commitments.</p>
<p><b>II. Strategies to <u>Shift</u> towards more sustainable modes</b></p>		

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
“Shift” Strategy	4 <b>Require Non-Motorized Transport (NMT) components in transport master plans in all major cities and prioritize transport infrastructure investments to NMT, including wide-scale improvements to pedestrian and bicycle facilities, development of facilities for intermodal connectivity, and adoption of complete street design standards, wherever feasible</b>	<b>Any action had been taken so far?</b> <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> <b>Some progress (design – piloting)</b> <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	<b>Barriers/Challenges faced in implementation:</b> <ul style="list-style-type: none"> <li>• Nonexistence/in-sufficiency of the requisite Infrastructure/enablers for NMT components in Pakistani urban areas</li> <li>• Severe weather conditions in most of the urban areas of Pakistan</li> <li>• Social &amp; attitudinal behaviors</li> </ul>
		<b>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.</b> <ul style="list-style-type: none"> <li>• Gwadar’s new smart port city master plan includes the key elements of NMT</li> <li>• Provision of walk-ways along major roads and intersections for safe crossing in big cities/as well as in new housing societies such as Bahria Town, DHAs, Gulberg, etc.</li> <li>• Cycle lanes have been provided in some areas of Islamabad city</li> <li>•</li> </ul>	

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
		<p><b>Examples of important actions that you plan to carry out in next year</b></p> <ul style="list-style-type: none"> <li>• Inclusion of NMT components in the revised master plan of Islamabad (currently in-progress)</li> <li>• Adoption of policy decision for pedestrian facilities along all urban roads in major cities especially along the metro/BRT projects</li> <li>• Integrated urban transport plans (with special attention to the public transport, non-motorized transport, and interchange facilities) will be prepared for all major urban areas of Pakistan to address urban congestion and improving connectivity within different areas of a city</li> </ul>	
		<p><b>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b></p> <p>NMT and its components are extremely important for achieving SDGs goals/moving towards sustainable development. However, the existing policies in Pakistan pay very limited attention to this aspect. Future policies and actions may strive to enhance focus on this area.</p>	
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><b>Any action had been taken so far?</b></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><b>Barriers/Challenges faced in implementation:</b></p> <ul style="list-style-type: none"> <li>• Land acquisition in already developed urban areas is a tedious process that requires strong political commitment</li> <li>• Availability of the requisite funds</li> <li>• Business-as-usual practices related to the transport infrastructure</li> </ul>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
		<p><b>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.</b></p> <ul style="list-style-type: none"> <li>• BRTs - Bus Rapid Transit systems in three major populated cities are functional now with integrated land-use and proper transport-planning, namely; Lahore Metro Bus, Rawalpindi-Islamabad Metro bus, and Multan Metro Bus. Also, Peshawar Metro Bus is under construction.</li> <li>• Under China-Pakistan Economic Corridor (CPEC), 4 Rail based mass transit projects, namely; Karachi Circular Railway, Greater Peshawar Region Mass Transit, Quetta Mass Transit, and Orange Line, Lahore are included to ensure integrated land-use and transport-planning in the near future.</li> </ul> <p>The completion of transport projects will improve accessibility and ensure greater connectivity in Pakistan.</p> <p><b>Examples of important actions that you plan to carry out in next year</b> Completion/functional of “Orange Line, Lahore”, “Trans-Peshawar”, and “Green-line Karachi”.</p> <p><b>What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b> High priority area, subject to the availability of funds in coming years</p>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
“Shift” Strategy	<p>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</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><b>Barriers/Challenges faced in implementation:</b></p> <ul style="list-style-type: none"> <li>• Easy loans and car leasing schemes have accelerated the usage of personal vehicles.</li> <li>• Public transport system in major cities to date is disintegrated, inconvenient, and socially unacceptable for certain groups of people in the country.</li> </ul>
		<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <ul style="list-style-type: none"> <li>• Parking fee has been introduced in major cities/around major attractions/at shopping malls, etc.</li> <li>• Variance in school timings</li> <li>• Specialized police patrolling force for Motorways, Expressways and Highways/enforcement of traffic rules and regulations</li> <li>• Provision of dedicated buses for various institutions discouraging the use of private vehicles</li> </ul>	
		<p><b>Examples of important actions that you plan to carry out in next year</b></p> <p>Implementation &amp; enforcement of traffic rules/regulations at federal and provincial level will be ensured.</p>	
		<p><b>What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b></p> <p>Incorporation of TDM and its measures still is a low priority area for the government.</p>	

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
“Shift” Strategy	7 Achieve significant shifts to more sustainable modes of <b>inter-city passenger and goods transport</b> , including priority for high-quality long distance bus, inland water transport, high-speed rail over car and air passenger travel, and priority for train and barge freight over truck and air freight by building supporting	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> <b>Some progress (design – piloting)</b> <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	<b>Barriers/Challenges faced in implementation:</b> <ul style="list-style-type: none"> <li>• Inter-city passenger and goods transport is entirely in the hands of private sector</li> <li>• Weak regulations/enforcement that ends up with low quality buses for intercity public transport.</li> <li>• Rail has limited share of both passengers and freight transport due to the obsolete rail infrastructure and operation systems</li> <li>• Availability of sufficient funds</li> </ul>

## 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

### PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
	infrastructure such as dry inland ports	<p><b>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.</b></p> <ul style="list-style-type: none"> <li>• Motorways, expressways &amp; highways are being constructed as a way for intercity passengers &amp; goods transport. The present Government is playing a vital role in improving the quality of Pakistan's road network, which entails in improving the quality and standards of life of the people apart from creating job opportunities. The present road network in Pakistan comprises of 47 national highways, motorways, expressways, and strategic roads. Current length of this network is 12,743 KM. The existing portfolio of National Highways Authority (NHA) consists of 38 on-going projects with an allocation of Rs.176, 636.80 million in PSDP 2018-19 out of which 66,700.00 million is the Foreign Exchange Component (FEC) and Rs.109, 936.80 million is the local component. There are also 08 new schemes in PSDP 2018-19 with total estimated cost of Rs. 8,561.00 million.</li> <li>• For freight transport, railways track &amp; operation are being over hauled to replace trucking freight on railways.</li> <li>• Trucking Policy has been approved and the task of modernizing the existing old and unregulated fleet is being undertaken in line with the provisions of Trucking Policy.</li> <li>• Cooperation in Highway Engineering has been agreed between the Ministry of Communications-Pakistan and Ministry of Transport-China through signaling of a MoU. NTRC and Highway Research Institute (RIOH) of China in a meeting held in February 2019 at Beijing has been agreed to conduct a joint study for establishing the baseline traffic and its projections on China-Pakistan Economic Corridor (CPEC) routes.</li> </ul>

## 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

### PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
		<p><b>Examples of important actions that you plan to carry out in next year</b></p> <ul style="list-style-type: none"> <li>• National Transport Research Centre (NTRC), Ministry of Communications has planned the following important actions/initiatives for next few years: Origin Destination Survey and Transport Demand (country-wide road traffic Origin Destination Survey for development of National Transport Plan. Study will be ready by December 2019); National Transport Plan Study (to be conducted with the assistance of ADB for National Transport Plan 2020-2050); Road Directory of Pakistan (a program is initiated to digitalize all types of road-data by 2020. Develop a GIS based digitized database of all roads in the country including federal, provincial, district, municipal and canal Roads. An App for Mapping of all present and future Roads); and Permanente Traffic Count Program (to update Traffic Factors developed by NTRC in 1992. Classified Traffic Count Survey on 10 stations for 24hrs/ 365 days along the National Highways and Motorway Network using camera and tube method with live streaming).</li> <li>• Multimodal dry ports and logistics hubs will be developed to ensure efficient and effective movement of freight. International transport facilitation will be encouraged to harmonize cross-border operations.</li> </ul>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

<b>Goal No.</b>	<b>Goal Description</b>	<b>Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.</b>	
		<p><b>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b></p> <p>To improve inter-city passengers and goods transport is a High Priority Area of the present Government.</p>	
<b>III. Strategies to <u>Improve</u> transport practices and technologies</b>			
<b>"Improve" Strategy</b>	<b>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</b>	<b>Any action had been taken so far?</b> <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)	<b>Barriers/Challenges faced in implementation:</b> <ul style="list-style-type: none"> <li>• Financial, institutional, technological barriers</li> <li>• Availability of EURO-II/higher grade fuels</li> <li>• Willingness of Government &amp; the capacity of private sector to adopt to modern fuels and technologies</li> </ul>

## 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

### PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
		<p><b>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.</b></p> <ul style="list-style-type: none"> <li>• Transportation accounts for 43% of the air-borne emissions in the country. In order to address this challenge, the Ministry of Climate Change (MoCC) has recently drafted Pakistan’s first-ever electric vehicle policy which is currently under review by the present government. The draft policy sets multiple targets including the sale of 100,000 electric cars, vans, jeeps and small trucks in the next five years. The Government aims to increase this number to 60,000 electric vehicles sold annually by 2030. According to the long term targets set in the policy, production targets for vehicles in the two, three and four wheeler category have been set at 500,000 units with companies given access to the market within the next five years. By 2030, the target has been set at 900,000 units and by 2040, the target is 90% of sold vehicles. It is hoped that this policy will begin an era of clean air in the country that Pakistan desperately needs for its current &amp; future generations.</li> <li>• National Climate Change Policy of Pakistan addresses the impact of climate change by promoting development and adoption of environmentally-friendly transport technologies and fuels and other carbon reduction strategies.</li> </ul>

## 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

### PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
		<p><b>Examples of important actions that you plan to carry out in next year</b></p> <ul style="list-style-type: none"> <li>• Approval and implementation of Pakistan’s first-ever electric vehicle policy-2019</li> <li>• To encourage electric vehicles (EVs) in Pakistan, the following actions have been proposed: market development and public awareness through incentives and subsidies on EVs especially to the companies willing to setup EV related industry in Pakistan; fuel import bill substitution through targeted penetration of EVs through local assembly and manufacturing; &amp; reasonable local adoption and export of electric vehicles and their components through indigenous research, development, assembling and manufacturing.</li> <li>• Moreover, the Government aims to give the following further incentives in future years to jumpstart EV manufacturing in Pakistan (only for local manufacturing units): (1) all EVs manufactured in Pakistan will be sold at less than 1% GST for the next seven years to bring the purchase price of EVs down; (2) Pakistan manufactured EVs will be exempted from registration fees and annual token tax to encourage prospective buyers. Imported EV’s shall receive the same benefit for next 5 years; (3) The government shall purchase 1000 all-electric buses and trucks and will ask commercial operators to operate them for a concessionary period; (4) Lahore and Islamabad shall be designated as model cities to jump-start ‘Green Rickshaw’ and ‘Green Taxi’ schemes respectively; (5) EV related greenfield projects including those for charging infrastructure may use existing special economic zones. This will ensure that EV manufacturing takes place along with the vendor industry.</li> <li>• Government is planning to prepare and execute an action plan for capacity building of private sector related to the transport</li> </ul>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
		<p><b>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b></p> <p>The present Government considers it important to diversify towards more sustainable transport fuels and technologies and the area is highly important.</p>	
"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	<p><b>Any action had been taken so far?</b></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><b>(Please Check the box)</b></p>	<p><b>Barriers/Challenges faced in implementation:</b></p> <ul style="list-style-type: none"> <li>• Partial legislation has been made, especially related to the tailpipe emissions for new and in-use vehicles</li> <li>• Improvement in legislation is required.</li> </ul>
		<p><b>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.</b></p> <p>Environmental Protection Agencies in Pakistan have developed environmental quality standards for new and in-use vehicles. For example, Sindh EPA has published the Sindh Government Gazette extension in 2016 along with the Sindh environmental quality standards for new and in-use vehicles.</p>	
		<p><b>Examples of important actions that you plan to carry out in next year</b></p> <p>Improvements will be made in environmental legislation related to the transport sector.</p>	

## 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

### PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
		<p><b>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b></p> <p>To set progressive, appropriate, and affordable standards for fuel quality, fuel efficiency, and tailpipe emissions for all vehicle types, including new and in-use vehicles is a medium priority area for the government.</p>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
“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 checked="" type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	<ul style="list-style-type: none"> <li>Currently in Pakistan, vehicle fitness certification, i.e. periodic requirement for Inspection and Certification applies only to commercial vehicles. Even in the case of commercial vehicles, the issue of Fitness Certificate function is not very much effective - serving no meaningful purpose – in real sense. The Motor Vehicle Examiners (MVEs) are not fully trained, as well as not fully equipped for the function of testing and certification in most of the cases. The system, tools and knowledge that are required for inspecting and testing are not very efficient as well.</li> <li>Moreover, this is a devolved subject as well. Therefore, the structure of MVE organizations varies from province-to-province. For instance in Punjab the MVE operates under the Provincial Transport Authority; in Sindh, the MVEs are being run by the Police Department and are referred to as Motor Vehicle Inspectors (MVIs). In NWFP and Baluchistan it falls under the Provincial Police Department. While in Northern Areas and FATA, MVE process is under the administrative control of DIGs who act as the Registering Authority.</li> </ul>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
		<p><b>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.</b></p> <ul style="list-style-type: none"> <li>• Government of Punjab has initiated a project for computerized vehicle inspection for which state of art facility has been developed. Many bus companies are using this facility for their vehicle inspection.</li> <li>• Federal government has also taken the following policy decisions: demonstrated and commercialized the use of digitized tune-up stations as a mean to improve the efficiency of fuel in motor vehicles; advanced policy research on transport related issues to increase fuel efficiency; set-up a revolving loan fund to finance tune-up stations for small medium entrepreneurs; and emission testing centers in federal capital &amp; all four provincial capitals.</li> </ul> <p><b>Examples of important actions that you plan to carry out in next year</b></p> <ul style="list-style-type: none"> <li>• To set up emission testing centers in all major cities.</li> <li>• Government of Pakistan is encouraging usage of electric vehicles in Pakistan. Currently there is no mechanism to register an all-electric vehicle in Pakistan. The Government of Pakistan, in collaboration with relevant entities, aims to take the following measures: the categorization of registration will be based on their ‘rated’ electric motor; and distinct registration plate color and design will be allocated to EVs.</li> </ul>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
		<p>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <p>The inspection and maintenance of vehicles is a high priority area for the government.</p>	
"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	<p>Any action had been taken so far?</p> <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)	<p><b>Barriers/Challenges faced in implementation:</b></p> <ul style="list-style-type: none"> <li>• Availability of the requisite funds</li> <li>• Institutional barriers (willingness/awareness)</li> <li>• Lack of experts in the field</li> </ul>
		<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <p>Electronic fare system is in place in all BRTs of Pakistan. Also introduction of electronic fare system is in place in Railways; electronic user charging system (toll plazas) on all motorways and expressways.</p>	
		<p><b>Examples of important actions that you plan to carry out in next year</b></p> <p>Completion of new intercity motorways &amp; expressways with electronic user charging systems.</p>	
		<p>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <p>To adopt Intelligent Transportation System is a High priority area.</p>	

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.		
"Improve" Strategy	12	Achieve improved <b>freight transport</b> efficiency, including road, rail, air, and water, through policies, programmes, and projects that modernize the freight vehicle technology, implement fleet control and management systems, and support better logistics and supply chain management	<p>Any action had been taken so far?</p> <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> <b>Some progress (design – piloting)</b> <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	<p><b>Barriers/Challenges faced in implementation:</b></p> <ul style="list-style-type: none"> <li>• Old truck fleets are incompatible with the modern day needs especially in the context of CPEC in Pakistan (these old trucks are being operated by the private sector)</li> <li>• Lack of investment initiatives (willingness, institutional barriers, funding, etc.) from public &amp; private sector.</li> <li>• Overloading on the existing trucks (weak enforcement)</li> </ul>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
		<p><b>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.</b></p> <ul style="list-style-type: none"> <li>• Old trucking system is being replaced in the light of Trucking Policy of Pakistan. Also complete renovation of railways track &amp; engines is near completion.</li> <li>• Regulations are being developed regarding vehicle dimensions, and other standards.</li> <li>• Due to the overloading of freight vehicles, premature damage of road infrastructure is causing loss of billions of rupees annually to national exchequer. To ascertain degree of overloading, country-wide survey at 110 locations (axle-load survey) will be carried out by the NTRC, Ministry of Communications.</li> <li>• Ministry of Communications is preparing the National Freight and Logistics Policy (NFLP) in accordance with the directions of the present government. Working groups (WGs) &amp; sub-working groups (SWGs) have been constituted to discuss on various elements of the policy and formulate some recommendations to prepare the final draft of this policy for onward transmission to the office of the Prime Minister.</li> </ul> <p><b>Examples of important actions that you plan to carry out in next year</b></p> <ul style="list-style-type: none"> <li>• Completion of railways &amp; truck renovation/replacement initiates to be initiated and completed</li> <li>• PNSC (Pakistan National Shipping Corporation) has planned a Fleet Development Program (FDP) for short, medium &amp; long term.</li> </ul>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
		<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>To improve freight transport efficiency is a High priority area</p>	
<b>IV. <u>Cross-cutting</u> strategies</b>			
"Cross-Cutting"	13	<p>Adopt a zero-fatality policy with respect to road, rail, and waterway <b>safety</b> and implement appropriate speed control, traffic calming strategies, strict driver licensing, motor vehicle registration, insurance requirements, and better post-accident</p>	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input checked="" type="checkbox"/> <b>Some progress (design – piloting)</b></p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box</p>
		<p><b>Barriers/Challenges faced in implementation:</b></p> <ul style="list-style-type: none"> <li>• Road asset management/maintenance is highly capital intensive/budget constraints</li> <li>• Weak institutional mechanism for motor Vehicle registration, examination/inspection and insurance</li> <li>• Driving licensing system also needs improvement</li> </ul>	

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
	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> <ul style="list-style-type: none"> <li>• Road safety is included in the National Transport Policy-2018 of Pakistan. Moreover, the Road Safety is almost part of every road development project in the country. National Steering Committee with representatives from various stakeholders (at the federal and provincial government levels) has also been notified. National Road Safety Council at the Ministers Level also exist in Pakistan.</li> <li>• Moreover, the National Road Safety Plan for National Highways and Motorways has been prepared by the Ministry of Communications with consultation of various stakeholders at the federal and provincial levels. This Plan has been based on the following five pillars of the Global Plan of the United Nations Decade of Action: (1) Road Safety Management; (2) Make roads and roadsides safer; (3) Safer Vehicles; (4) Safer Road Users (Drivers, Motorcycles, Pedestrians etc.); and (5) Post-Crash Care.</li> <li>• A project of NTRC, Ministry of Communications titled “ACCIDENT DATA AND ACCIDENT COST STUDY” envisages gathering extensive road accident statistics from different sources for the last five years. Supplementary details of Accident victims like age, profession would be collected to determine realistically the cost of road accidents and damage to the national economy.</li> <li>• Ministry of Communications has recently launched a “Road Safety Strategy (2018 -30)” in November 2018. This initiative contributes to the two Sustainable Development Goals (SDGs) targets that address road safety: SDG target 3.6 on halving the number of global deaths and injuries from road traffic accidents; and SDG target 11.2 on providing access to safe, affordable, accessible and sustainable transport systems as well as improve road safety for all.</li> </ul>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
		<p><b>Examples of important actions that you plan to carry out in next year</b></p> <p>Road safety is being actively promoted in Pakistan, including improvements to road safety and management, safety infrastructure with a key focus on speed management and safety of vulnerable road users, vehicle standards, regulations including access to and movement on the road networks, road users behavior, and post-crash response.</p>	
		<p><b>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b></p> <p>Improving road safety is highly important and is a medium Priority Area</p>	
“Cross-Cutting”	14 Promote monitoring of the <b>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</b>	<p><b>Any action had been taken so far?</b></p> <p><input type="checkbox"/> Not yet</p> <p><input checked="" type="checkbox"/> <b>Some progress (design – piloting)</b></p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	<p><b>Barriers/Challenges faced in implementation:</b></p> <ul style="list-style-type: none"> <li>• Primary research needs to be carried out based on the authentic and up-to-date data at city level</li> <li>• Availability of funds</li> <li>• Willingness of the city leadership</li> </ul>

## 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

### PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
	air pollution and noise, and devise mitigation strategies, especially aiding sensitive populations 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> <ul style="list-style-type: none"> <li>• Mitigation plans, strategies &amp; programmes are being developed for transport emissions. It has been estimated that a significant emission-reduction has been occurred due to the introduction of Metro Bus projects in Pakistan. As per the estimates carried out under the UNDP/GOP “PAKSTRAN Project”, the net greenhouse gas (GHG) reduction due to metro bus project of Lahore &amp; Rawalpindi-Islamabad are as under:               <ol style="list-style-type: none"> <li>1. Net Reduction in CH<sub>4</sub>=8582.459 Kg Annually.</li> <li>2. Net Reduction in N<sub>2</sub>O=13892.028 Kg Annually.</li> <li>3. Net Reduction in CO<sub>2</sub>=4486.76 Tons Annually.</li> </ol> </li> <li>• The reduction has been attributed to avoidance of using the personal vehicles by 9% of the current commuters of Metro bus and reduction of another 668 number of small-sized public transport vehicles.</li> <li>• Section 11 of PEP Act, 1997 has prohibited persons to discharge or emit any effluent or waste or air pollutant in an amount or level which is in excess of National Environmental Quality Standards. Section 12 of Pakistan Environment Act, 1997 has made IEE/EIA of development projects compulsory. Also, Section 15 of PEPA, 1997 has prohibited that no person shall operate a vehicle from which air pollution or noise are being emitted in excess of NEQS limits. Smoke opacity not to exceed 40% or equitant number.</li> </ul>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
		<p><b>Examples of important actions that you plan to carry out in next year</b></p> <ul style="list-style-type: none"> <li>• Ensure completion of on-going BRT/LRT projects under CPEC</li> <li>• Successfully completion of 10 billion tree project by the Ministry of Climate Change (MoCC)</li> </ul> <p><b>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b></p> <p>Improving health of citizens is always a key focus area for the government</p>	
<b>“Cross-Cutting”</b>	<p><b>15</b> 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</p>	<p><b>Any action had been taken so far?</b></p> <p><input type="checkbox"/> Not yet</p> <p><input type="checkbox"/> Some progress (design – piloting)</p> <p><input checked="" type="checkbox"/> <b>Largely in Place</b></p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	<p><b>Barriers/Challenges faced in implementation:</b></p> <ul style="list-style-type: none"> <li>• Standards in the form of NEQS (national environmental quality standards)/provincial environmental quality standards are in place; real challenge is their implementation in true letter and spirit</li> <li>• Environment – now a devolved subject amongst provinces – create ambiguity sometimes due to the capacity, limited technological know-how, non-availability/limited availability of funds, etc. at provincial &amp; district levels</li> </ul>

## 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

### PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
	<p>zones where noise levels exceed the national standards, especially with regard to environments near high traffic concentrations</p>	<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <ul style="list-style-type: none"> <li>• National/provincial air, water, noise quality standards have already been promulgated through PEP Act.</li> <li>• In past, Pakistan Environmental Protection Agency (Pak EPA)/EPD Punjab had established some fixed and mobile air quality monitoring stations. Pak-EPA/EPD Punjab is supposed to monitor all major parameters of air quality by mobilizing their mobile air quality stations in Islamabad as well as any part of the country/Punjab.</li> <li>• Drinking water quality has been checked through chemical and micro-biological analysis of 25 filtration water plants and municipal and wastewater pollution monitoring of industrial effluent and other environment-related samples in Islamabad.</li> <li>• Hospital wastes/wastes from the health-care facilities contain potentially harmful micro-organisms that can infect hospital patients, health workers and the general public. Under Section 31 of PEP Act 1997 (newly established Hospital Waste Management Rules) the current hospital waste management practices in both public and private health care facilities are inspected regularly.</li> </ul>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
		<p><b>Examples of important actions that you plan to carry out in next year</b></p> <ul style="list-style-type: none"> <li>• The Prime Minister of Pakistan has recently launched the Clean Green Pakistan Movement (CGPM) in October 2018, showing the highest level of political commitment for protecting the Environment. The CGPM is strengthening institutions (dealing with environment) for effective service delivery and behavioral change for sustenance and continuity for the accessibility and availability of safe water and sanitation to the people of Pakistan.</li> <li>• Following initiatives/programmes have been recently initiated by the Government of Pakistan which would be completed in coming years to ensure environmental sustainability in the country.</li> <li>• Implementation of REDD+ Project (Reducing Emissions from Deforestation and Forest Degradation)</li> <li>• Preparation and implementation of National Biodiversity Strategy and Action Plan</li> <li>• Revival of forestry and wildlife resources in Pakistan (Green Pakistan Program)</li> <li>• Up-scaling of GPP into Ten Billion Tree Tsunami</li> <li>• Scaling-up of Glacial Lake Outburst Flood (GLOF) risk reduction in Northern Pakistan</li> <li>• Reversing Deforestation and degradation in high conservation value pine forests in Pakistan</li> <li>• Sustainable Land Management Program to combat desertification in Pakistan (SLMP II)</li> </ul> <p><b>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b></p> <p>This is a top priority area of the present Government in Pakistan</p>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
“Cross-Cutting” Strategy	<p>16 Implement sustainable low-carbon transport initiatives to mitigate the causes of <b>global climate change</b> and to fortify national <b>energy security</b>, and to report the inventory of all greenhouse gases emitted from the transport sector in the National Communication to the UNFCCC</p>	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input checked="" type="checkbox"/> <b>Some progress (design – piloting)</b></p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	<p><b>Barriers/Challenges faced in implementation:</b></p> <ul style="list-style-type: none"> <li>• Lack of political will (national &amp; provincial)</li> <li>• Lack of investment from various stakeholders</li> </ul>
		<p><b>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.</b></p> <ul style="list-style-type: none"> <li>• Ministry of Climate Change (MoCC) has recently drafted Pakistan’s first-ever electric vehicle policy which is currently under review by the present government. The draft policy sets multiple targets including the sale of 100,000 electric cars, vans, jeeps and small trucks in the next five years. The Government aims to increase this number to 60,000 electric vehicles sold annually by 2030. According to the long term targets set in the policy, production targets for vehicles in the two, three and four wheeler category have been set at 500,000 units with companies given access to the market within the next five years. By 2030, the target has been set at 900,000 units and by 2040, the target is 90% of sold vehicles. It is hoped that this policy will begin an era of clean air in the country that Pakistan desperately needs for its current &amp; future generations.</li> <li>• Establishment of more BRTs</li> <li>• Renovation of railways/improvement of M-1</li> </ul>	

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
		<p><b>Examples of important actions that you plan to carry out in next year</b></p> <ul style="list-style-type: none"> <li>• Approval &amp; implementation of Pakistan’s first-ever electric vehicle policy Completion of ongoing projects</li> <li>• Pakistan Climate Change Council and Pakistan Climate Change Authority are being established to address the issues of climate change and meet Pakistan’s obligations under international conventions relating to environment/climate change.</li> </ul>	
		<p><b>What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b></p> <p>This is a high priority area and efforts are being made to achieve EST Goal and SDGs targets.</p>	
“Cross-Cutting” Strategy	17 Adopt <b>social equity</b> as a planning and design criteria in the development and implementation of transport initiatives, leading to improved quality, safety and security for all and especially for women, universal accessibility of streets and public transport systems for persons with disabilities and elderly, affordability of transport systems for low-income	<p><b>Any action had been taken so far?</b></p> <p><input type="checkbox"/> Not yet</p> <p><input checked="" type="checkbox"/> <b>Some progress (design – piloting)</b></p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	<p><b>Barriers/Challenges faced in implementation:</b></p> <ul style="list-style-type: none"> <li>• Lack of regulations related to social equity in transport sector</li> <li>• Car and motorcycle ownership levels by women are considerably low than men in Pakistan; and therefore this segment (women) of society is primarily reliant on their immediate/extended family members, neighbors or other form of transport (formal/informal - generally male operated) for travel.</li> </ul>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
	groups, and up-gradation, modernization and integration of intermediate public transport	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. Special provisions have been made for senior citizens and women in the newly established mass transit systems/metro projects in Pakistan	
		<b>Examples of important actions that you plan to carry out in next year</b> Universalization of laws relating to inclusion of all segments of society particularly the elderly, children and women.	
		<b>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b> Ensuring social inclusion and equity is currently a medium priority area	
<b>“Cross-Cutting”</b>	<b>18</b> Encourage innovative <b>financing</b> mechanisms for sustainable transport infrastructure and operations through measures, such as parking levies, fuel pricing, time-of-day automated road user charging, and public-private	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)	<b>Barriers/Challenges faced in implementation:</b> <ul style="list-style-type: none"> <li>• R&amp;D support for innovative financing mechanisms in transport sector is required</li> <li>• Banking regulations/procedures need to be flexible/accommodating for such requirements</li> </ul>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
	<p>partnerships such as land value capture, including consideration of carbon markets, wherever feasible</p>	<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <p>Ministry of Communications (through National Highway Authority-NHA) has developed regulations for mechanism for innovative financing in the form of BOT and BOO. Both local and international investors are now looking at opportunities that are highly attractive for them.</p> <p><b>Examples of important actions that you plan to carry out in next year</b></p> <p>Government of Pakistan is encouraging usage of electric vehicles. In this regard, State Bank of Pakistan (SBP) may plan a policy that could provide financial support for potential EV (electric vehicle) purchasers. Such policy may include reducing the rate of interest on loans intended to purchase EVs. Some discount under such financing scheme (similar to the SBP financing scheme for renewable energy) could also be offered.</p> <p><b>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b></p> <p>This is a high priority area for the government and efforts are being made to achieve goals and targets.</p>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
“Cross-Cutting” Strategy	19 Encourage widespread distribution of <b>information and awareness</b> on sustainable transport to all levels of government and to the public through outreach, promotional campaigns, timely reporting of monitored indicators, and participatory processes	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	<b>Barriers/Challenges faced in implementation:</b> <ul style="list-style-type: none"> <li>• Lack of institutional support for information &amp; awareness-related campaigns on sustainable transport</li> <li>• Unavailability of funds</li> </ul>
		Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.  Awareness campaigns have been launched through UNDP/GOP “PAKISTAN – Pakistan Sustainable Transport Project” to encourage BRTs, bicycling, and usage of LRTs.	
		<b>Examples of important actions that you plan to carry out in next year</b> Completion of ongoing projects and campaigns will be ensured.	
		<b>What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b>  This is a medium priority goal as awareness is an overtime & continuous process and requires consistent efforts.	



# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

## PAKISTAN

<b>Goal No.</b>	<b>Goal Description</b>	<b>Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.</b>
		<p><b>Examples of important actions that you plan to carry out in next year</b></p> <p>Improve planning processes and collaboration across transport institutions by constituting a high-level committee on Transport and a supporting some Advisory Committee on Transport that should be made responsible for guiding the development of the transport sector.</p>
		<p><b>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b></p> <p>This is a medium priority area for the government.</p>

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

<b>“Cross-Cutting”</b>	<p>Take policy initiatives to <b>improve rural access</b> leading to improved quality, safety and security for all and especially for women, disadvantaged groups persons with disabilities and elderly,</p>	<p>List some of actions taken to improve rural access in your country so far?</p> <p>Construction of motorways, highways and roads to ensure urban and rural connectivity.</p>	<p><b>Barriers/Challenges faced in improving rural connectivity:</b></p> <ul style="list-style-type: none"> <li>• Lack of planning</li> <li>• Unavailability of funds</li> </ul>
------------------------	--	--	--

## 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

### PAKISTAN

		<p><b>low-income groups, access to farms, agriculture centers, education and health</b></p>	<p><b>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions to <b>improve rural access</b>. Please attach reports or include websites where relevant.</b></p> <p>Policy initiatives under CPEC related to the construction of farm-to-market roads</p>
			<p><b>Examples of important actions that you plan to carry out in next year</b></p> <p>Rural roads will remain vital for providing accessibility to local communities and public services. Focus will be placed on provision of rural transport services, in addition to providing all-weather road infrastructure under PSDP/ADPs.</p>
			<p><b>Importance of improving <b>rural access</b> in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</b></p> <p>This goal is a medium term goal for the government.</p>