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Partnership on Sustainable, Low Carbon Transport,
United Nations Economic and Social Commission for Asia and the Pacific, and
United Nations Office for Sustainable Development**

**TENTH REGIONAL ENVIRONMENTALLY SUSTAINABLE TRANSPORT (EST)
FORUM IN ASIA,
14-16 MARCH 2016, VIENTIANE, LAO PDR**

**Country Presentation
(Sri Lanka)**

(Presentation for EST Plenary Session 8: of the Provisional Programme)

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“2030 Roadmap for Sustainable Transport –

Aligning with Sustainable Development Goals”



Intergovernmental 10th Regional Environmentally Sustainable Transport Forum in Asia



Sri Lanka – Country Report *Achievement and the way Forward*

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Transport Sector- An Overview

Travel demand by all modes of motorized transport- 80 billions passenger km annually

Road network: 116,000 kms . approximately
Road density : 1.74 km/sq.km
Total Railway network 1450 km.

Main passenger transport modes: Bus transport & rail transport
Passenger transport : Buses - undertaken by both public and private buses. (Bus transport share 61%)
: Railways - 6% of total passenger share
2% of total Freight share.

Para transit modes Private taxis, cars, vans three wheelers etc
(these services have not been regularized)

Percentage of road transport method for freight : 98%
(vans, Lorries, Larger trucks, containers etc)



Common Issues

As in other cities in Asia

- Traffic congestion in Urban areas and related issues.
- Lack of comfort efficiency safety
- Rapid motorization
- Frequent Road Traffic Accidents
- Insufficient infrastructure facilities for NMT
- Issues in accessibility and mobility of transport for all
- Scare space for infrastructure development in the city areas
- Lack of integrity in transport plan and land use plan
- Insufficient railway coverage and old infrastructure
- Lack of intermodal connectivity

GHG Mitigation Actions: Transport Sector

As depicted in the National Transport Policy (2009)

- Improvement of **public transport systems** (Railway, bus transport)
- Improvement of the **fuel efficiency**
- Develop **park and ride** facilities, etc.
- Promotion of **Non-Motorized Transport** (pedestrians and bicycles)
- Improvement of **energy efficiency** in transportation sector
- Encourage use of **new technologies** such as hybrid vehicles
- Encourage use of **new source of fuel** such as bio-fuels
- **Electrification of urban rail**, etc.
- Vehicle **Emission testing program** for all vehicles,
- Revise vehicle import tax to **encourage low emission vehicles.**

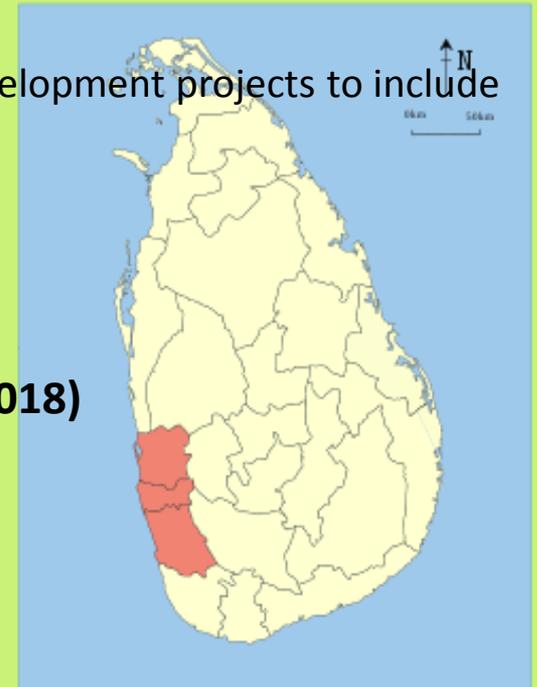
Major Plans formulated in line with Environmentally Sustainable Transport solutions

➤ Urban Transport Master Plan for Colombo Metropolitan Area and the Suburbs (2015 – 2035)

- In long term perspectives, **Public Transport intensive development approach** in line with urban land use plan has been identified.
- Reformation of the current bus operations.
- Development of BRT services on a priority basis and road development projects to include BRT or Bus Priority projects
- Modern Multi Modal Transit Centers with other transport infrastructure were clearly recognized.

➤ Western Province Megapolis Development Plan (2016 – 2018)

- Integration of land use and transport development
- Development of rapid transit systems in viable routes



Cont...

Major Plans.....

➤ **Mis-term Strategic Plan for Development of Railway transportation**

Three strategic domains have been identified where railway system would have its competitive advantage, in which the mobility services of Sri Lanka Railways (SLR) would focus on:

- **Suburban passenger service**
- **Long Distance Express Service**
- **Re-development of Freight transportation**

➤ **Five Year Action Plan on Road Safety in Sri Lanka**

In line with UN Decade of Road Safety. 10 year Action Plan was prepared and it was then updated in 2016. for the period of next 5 years.

➤ **National Policy on Sustainable Consumption and Production for Sri Lanka**

Focusing on 12 thrust sectors coming under 17 Sustainable Development Goals (SDGs) including transport sector, this policy was drafted recently to provide necessary direction and guidance for upgrading other related national policies in Sri Lanka.

Cont...

Major Plans.....

➤ **Colombo low carbon Transport Study**

This study supports the GoSL's continued efforts to foster development while reducing GHG emissions from the country's capital region. Further it includes a pre-feasibility study of pilot project for mode integration projects at two (2) railway stations

➤ **Haritha (Green) Lanka Action Plan**

This plan provides national environmental policy and framework and overall strategies for country's sustainable economic development.

➤ **Fuel Quality Road Map (Draft)**

This was drafted for by a Ministerial Committee on enhancing the quality of fossil fuels for managing air quality in Sri Lanka

Cont...

Major Plans.....

- **National Climate Change Policy of Sri Lanka.**
 - provide guidance and directions for all the stakeholders to address the adverse impacts of climate change efficiently and effectively.

- **Readiness Plan for Implementation of Intended Nationally Determined Contributions (INDCs) - 2017 2019**
 - Sri Lanka has submitted INDCs to the United Nation Framework Convention on Climate Change (UNFCCC) detailing the actions to address climate change.

- **Nationally Adaptation Plan for Climate Change Impacts in Sri Lanka (2016 – 2025)**
 - NAMA promotes the adoption and clean sustainable transport interventions focusing on the introduction and adoption of electric buses instead of conventionally fuel buses on the planned BRT services in Colombo Metropolitan region reducing the FHG emission.

ES Transport System - Initiatives / achievements

➤ Improvement of Public Transport System

- Procurement process was started to purchase new Locomotives, Diesel Multiple Units and passenger Coaches to upgrade the rolling stocks of the railways.
- Rehabilitation of existing railway tracks with double lining and signal upgrading network was initiated .
- Feasibility studies and Construction of new rail lines is in progress
- A pilot project has been started for bus sector modernization
- FS has been started for implementation of waterways transport system in Western region.
- Use ITS technologies in improving efficiency of Urban Transport systems
 - ❑ *Use mobile system to reserve railway seats*
 - ❑ *GPRS tracking system to monitor Public and Private buses*
 - ❑ *Procurement process is ongoing to introduce prepaid card system to the public transport*
 - ❑ *Procurement process is ongoing to implement E-motoring system to regulate the entire vehicle fleet of the country*
 - ❑ *Traffic Enforcement through CCTV monitoring*

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ES Transport System – Initiatives...

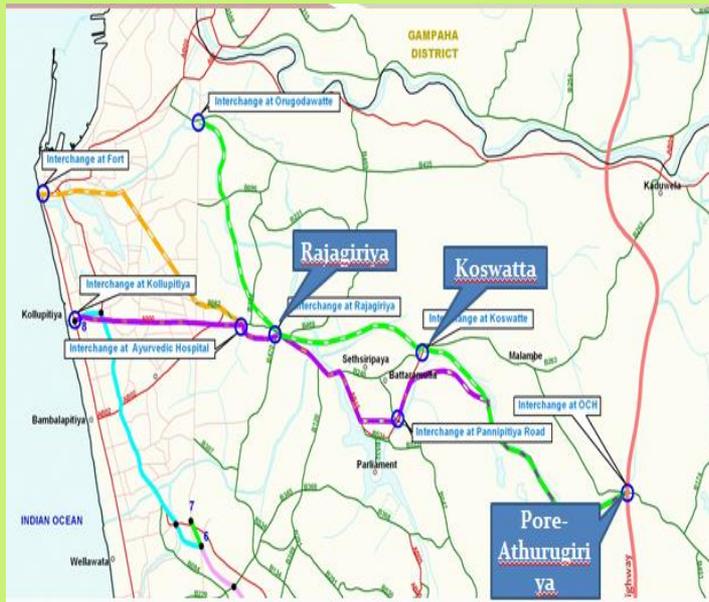
- Project preparatory works started for Railway electrification and modernization
- Road improvement projects are in progress
- Completed 2 expressways and project preliminary works and construction works for other 2 expressways are in progress.
- Port access road has been planned for providing easy access to cargo and container traffic Colombo and Suburbs to reach Colombo Fort and Harbour.



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ES Transport System – Initiatives...

- Implementation of Vehicle Emission testing program
- New driving license scheme completed
- Construction and project preparatory works initiated for multi-modal transport hub construction



- Preparatory works for construction of elevated highway between Colombo City and Administrative capital Battaramulla to prevailing traffic congestion.
- FS was started for construction of a rapid transit system in metro Colombo.
- Road improvement projects are in progress

Major challenges

- Fund limitation
- Delay in land acquisition
- Legislative issues
- Limited PPP possibilities
- Lack of technical expertise

Environmentally Sustainable Transport solutions – *The way forward*

Within next Decade, we need to transform physically our transport system into a distinctive global system with ensuring implementation of viable Transport projects standing on key principles such as;

- A Long term view with sustainable transport solutions
- An integrated approach
- Flexibility and responsiveness
- Transference and competitiveness
- Private Public Partnership

Avoid strategies

- Integrate land use and transport planning
- Promoting urban landscape and sourcing localized products.
- Initiatives taken for promoting internet shopping
- Utilizing advance IT technologies.

Shift strategies

- Modifying roads, railways, airports, ports and waterways to become more attractive for improving public transport.
- Improvement of Pedestrian Facilities and non motorized infrastructure
- Modernization of fare collection on public transport services
- Introducing New Rapid Transit System in CBD and Suburbs
- Development of Multimodal Transport Hubs and Centers
- Procurement of rolling stock for improving railway transport

Improve strategies

- Capacity improvement by development of new road links
- Improve the vehicle emission testing to Reduce Vehicle Emission
- Railway Electrification and Modernization
- Modernization of Public Bus Transport System in Western Region with IT based bus management system
- Introducing New Rapid Transit System in CBD and Suburbs
- Development of Multimodal Transport Hubs and Centers
- Improve the fuel economy of transport and Promote hybrid vehicles



Thank you
for your attention