

Sri Lanka 2011 – 2030 National Physical Plan And Project Proposals

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Ministry of Construction, Engineering Services, Housing & Common Amenities
Sethsiripaya, Battaramulla
2012 March 3

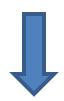
The National Physical Plan was approved on 03/07/2007 by the National Physical Planning Council chaired by His Excellency the President as per Section 3(1) of Town & Country Planning (Amendment) Act No 49 of 2000; the Project Proposals were approved on the 11th of January 2011

National Physical Planning Process as per the Town & Country Planning Amendment Act No 49 of 2000

Technical Advisory Committee
Section 5(c)



Inter Ministerial Coordinating
Committee
Section 4A (1)



National Physical Planning
Council
Section 3(1)

Town Planners of Sri Lanka
Sri Lanka Institute of Architects
Institute of Engineers of Sri Lanka
Institute of Surveyors of Sri Lanka
Road Development Authority
Land Use Policy Planning Department
Ceylon Electricity Board
Ministry of Finance
Ministry Policy Planning
One representative from above institutions

Secretaries of the ministries of following subjects are being appointed as members

Physical Planning, Economic Planning, Finance, Land, agriculture, Industry, Housing, Transport, Highways, Ports, Civil Aviation, Coast Conservation, Environment, Forestry, Tourism, Irrigation, Power, Home Affairs, Provincial Councils, Plan Implementation, Culture, Fisheries, Mahaweli Development, Plantation & Construction

Chief Secretaries of all Provinces
Director General, National Physical Planning Department
Director General, National Planning
Director General, Urban Development Authority

Chief Ministers of all Provinces

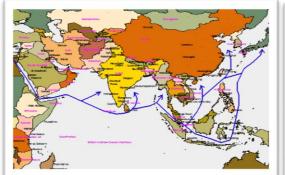
Chairman – His Excellency the President Vice President – Minister in charge of National Physical Planning

Ministers in charge of , Economic Planning, Finance, Land, agriculture, Industry, Housing, Transport, Highways, Ports, Civil Aviation, Coast Conservation, Environment, Forestry, Tourism, Irrigation, Power, Urban Development, Provincial Councils, Plan Implementation, Culture, Health &

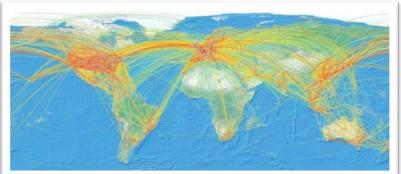
Mahinda Chintana Plan -2010

—I will take action to develop our country as a five-fold center by using its unique geographical location, and connecting west and east by Navigation, Aviation, Trade and Commerce, Energy and Knowledge"

The main objective of the National Physical Plan is to locate the implementation of this goal identified by Mahinda Chintana.







Aviation Center



Knowledge Center









Energy Center

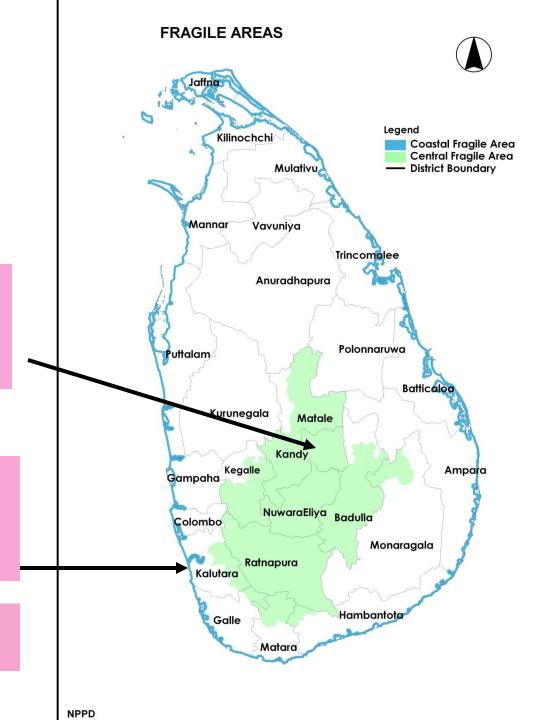


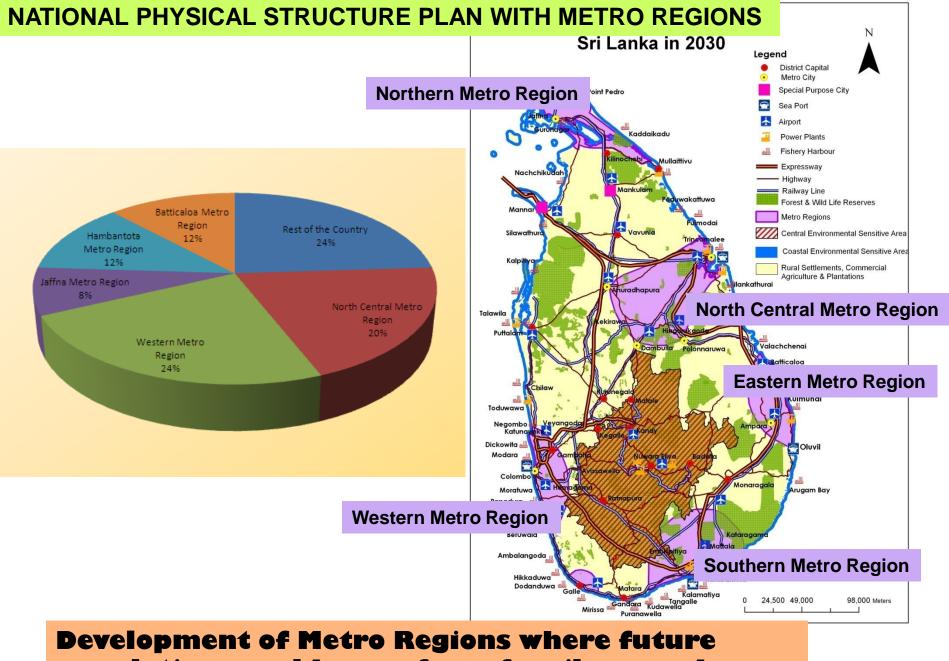
Commercial Center

Fragile Area 1: The Central Hills Population 2001 was 22.9% of Sri Lanka on 16.6% of the land at a density of 379/sq.km.

Fragile Area 2: The Coastal Belt Population 2001 was 7.8% of Sri Lanka on 7.6% of the land at a density of 281/sq.km.

The density of the rest of the country is only 248/sq.km





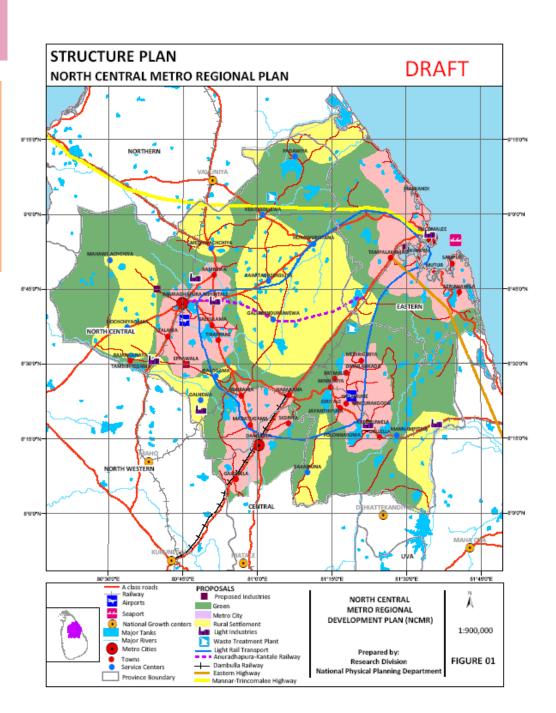
Development of Metro Regions where future populations could move from fragile areas has become a national priority

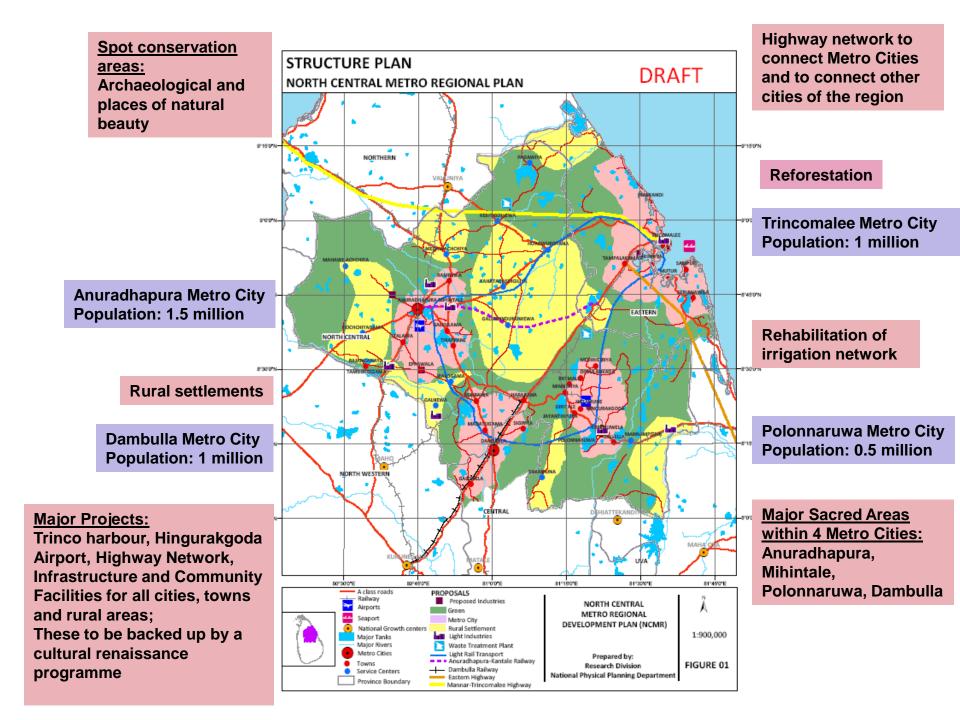
North Central Metropolitan Region In the Regional Context

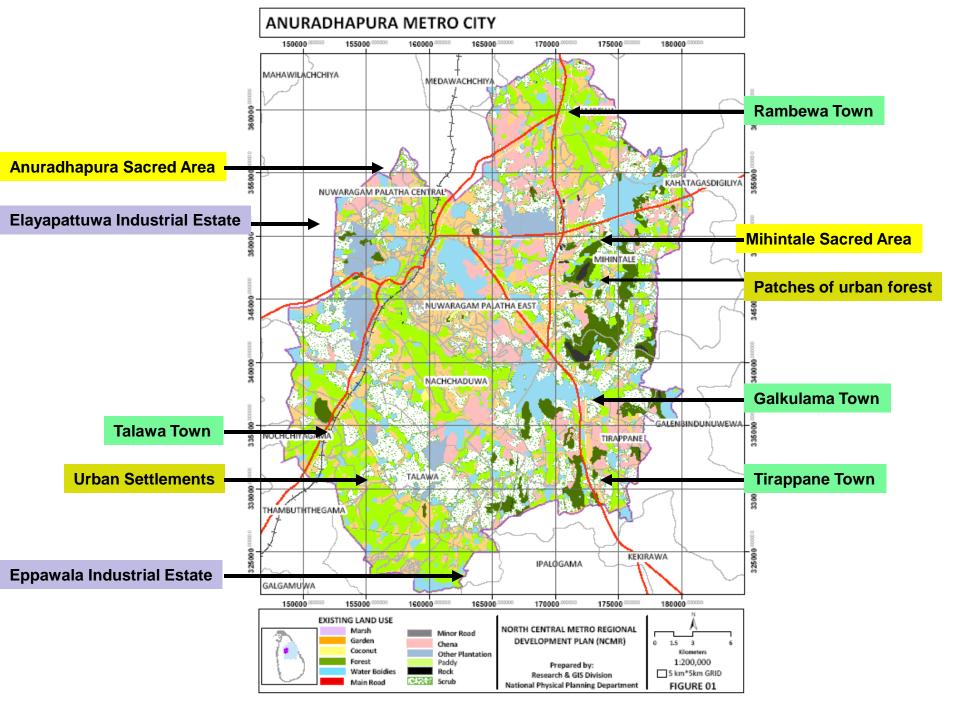
LAND AREA CONSISTS OF

100% of Polonnaruwa District 100% of Trincomalee District 100% of Anuradhapura District 30.4% of Matale District

18.5% of SRI LANKA







National Physical Plan - 2030

Legend



Metro City

Special Purpose City

Sea Port

Airport

Power Plants

Fishery Harbour

Expressway

---- Highway

Railway Line

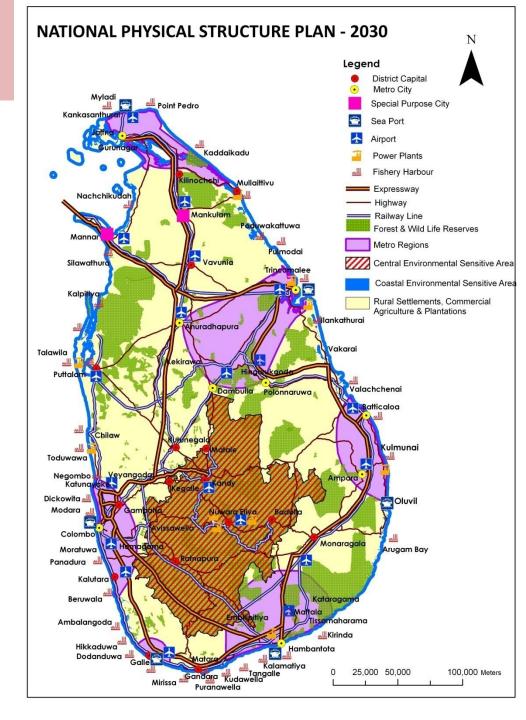
Forest & Wild Life Reserves

Metro Regions

Central Environmental Sensitive Area

Coastal Environmental Sensitive Area

Rural Settlements, Commercial Agriculture & Plantations

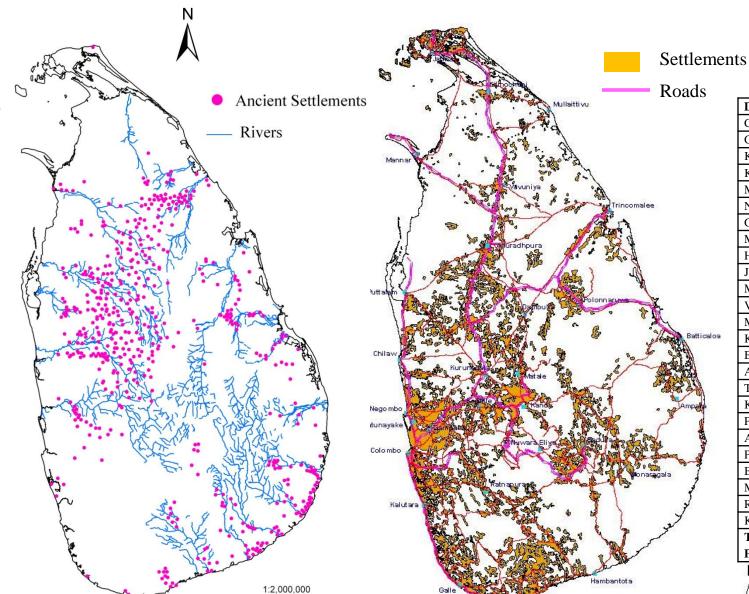


Identified Projects based on National Physical Plan

1 Proposed Settlement Pattern

Ancient Settlement Pattern in Sri Lanka

Existing Population Distribution Pattern in Sri Lanka



Population in 2008

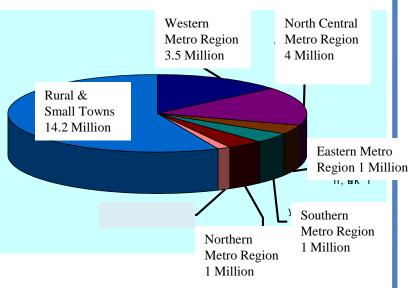
District	Population		
Colombo	2,488,000		
Gampaha	2,152,000		
Kaluthara	1,118,000		
Kandy	1,396,000		
Matale	483,000		
Nuwara Eliya	749,000		
Galle	1,063,000		
Matara	822,000		
Hamabanthota	558,000		
Jaffna	603,000		
Mannar	102,000		
Vauniya	167,000		
Mullaitivu	150,000		
Kilinochchi	150,000		
Batticaloa	530,000		
Ampara	624,000		
Trincomalee	361,000		
Kurunegala	1,535,000		
Puttalam	760,000		
Anuradhapura	809,000		
Polonnaruwa	400,000		
Badulla	861,000		
Monaragala	430,000		
Ratnapura	1,099,000		
Kegalle	807,000		
Total	20,217,000		
Population			
N			



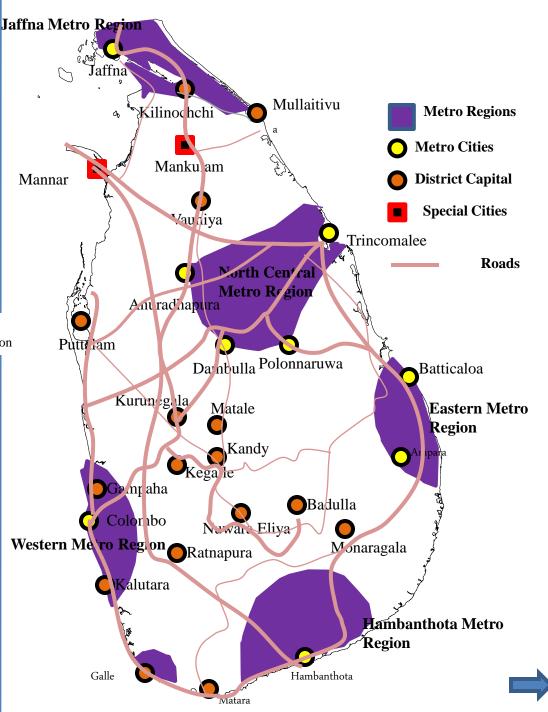
Source: 50 years of Town & Country Planning in Sri Lanka, NPPD

Source: Urban Development Authority

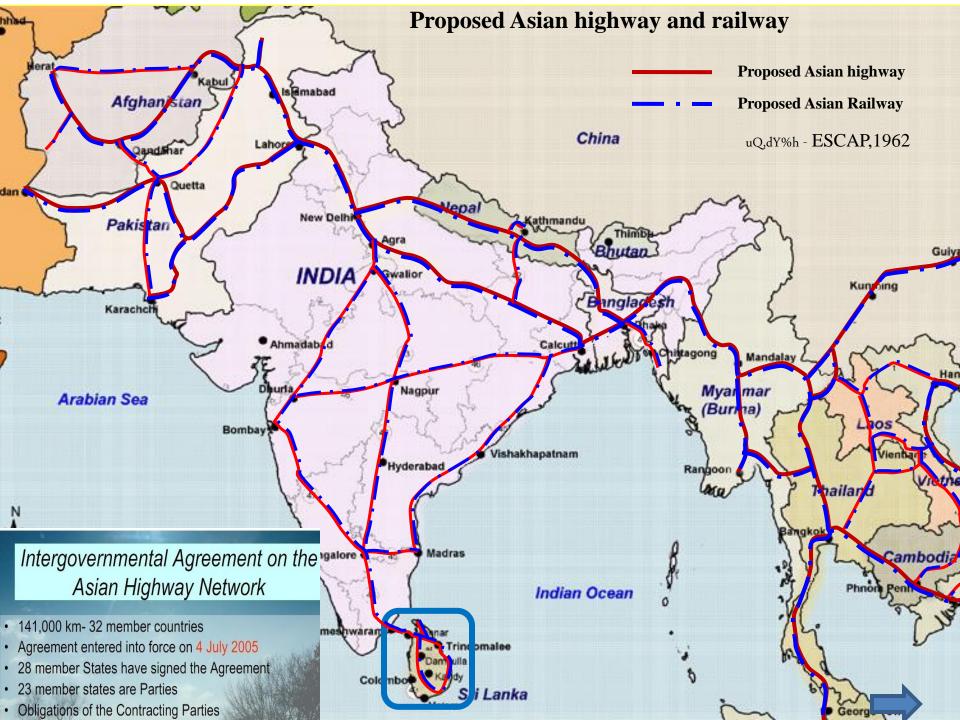
Proposed Settlement Pattern in 2030 and Metro Regions



Population in Fragile Areas will voluntarily migrate to the proposed metro regions in future

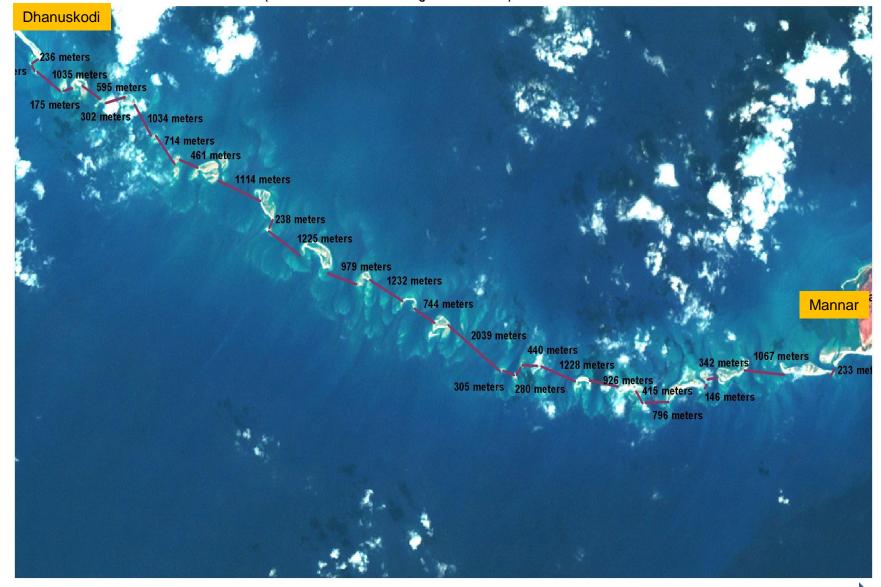


Proposed Trans Asian Rail & Road Network



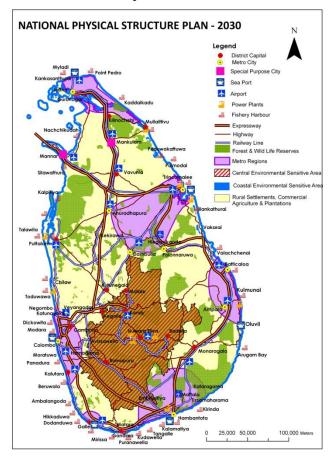
"Adams Bridge"- Aerial View 2

(distance between islands given in meters)



Proposed Rail & Road Network

National Physical Plan - 2030

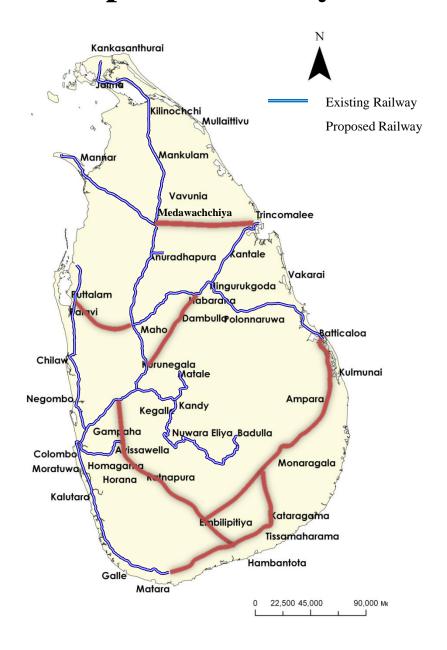


Proposed Railway Development

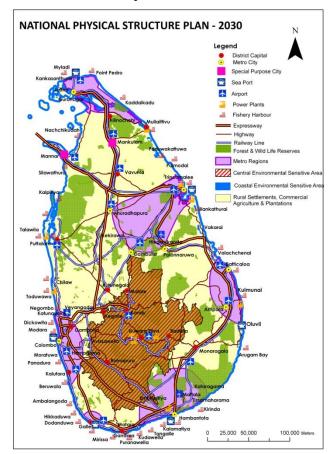
- Matara Batticaloa (via Hambanthota, Monaragala, Ampara Oluvil)
- Kuruneglal Habarana ^via Dambulla&
- Palavi Maho
- Monaragala Embilipitiya

Length of the Existing Railways 1447 Km Length of Proposed Railways 732 Km ^ This 50% increase&

Proposed Railways



National Physical Plan - 2030



Proposed Expressway

- Extension of Southern Expressway (Matara Hambanthota)
- $\bullet \ Kandy-Colombo\ Expressway$
- Mannar Hambanthota Expressway
- Hambanthota Trincomalee Expressway ^Via Monaragala, Ampara, Batticaloa)

Length of the Existing 11697 Km Length of Proposed 1000 Km

Road Development



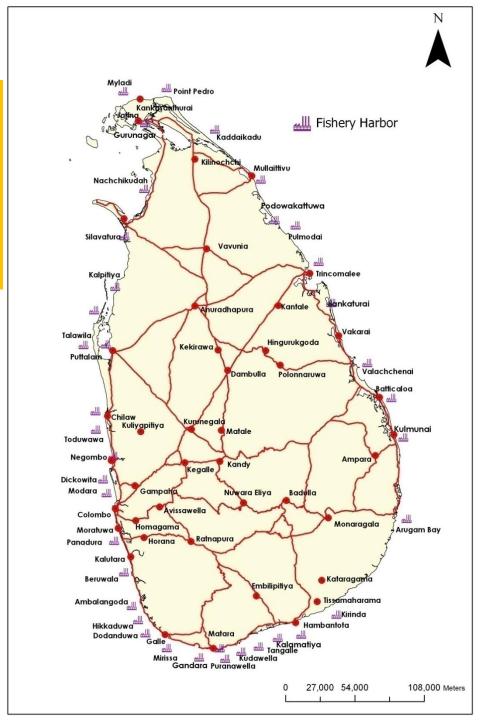
4 Fishery Industry Development

Development Areas for Fishery Industry

Development for Fishery Harbors

- Improve 13 Fishery Harbors
- Improve 7 landing sites to Fishery Harbors
- •Improve 12 ferries to landing sites

	Existing-	Expected Target
	2009	- 2030-
Fishery Harbor	16	40
Fish	300,000	1,100,000
Production	M.T	M.T
Fishery Boats	23"211	40"000
(All Types)		



Development of the Tourism Industry

Development Areas for Tourism Industry





- New Tourism Development Areas
- Ocean Based Tourism Development Areas
- Beach Ocean Based Tourism Development Areas
- Historic & Traditional Tourism Development Areas
- Indigenous Medicine ,Medical Tourism & Agro
 Tourism

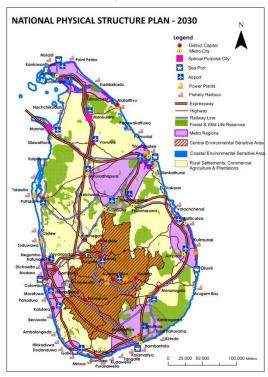


Source: Tourism Development Authority in Sri Lanka, National Physical Planning Department

6 Air Port Development

International and Domestic Air Ports

National Physical Plan - 2030-



New International Air Ports

Mathtala and Higurakgoda

Expand International Air Port

Construction of second runner way in Katunayake

Expand Domestic Air Ports

1. Palali

4. Baticaloa

7. Vavniya

10. Rathmalana

2.Trincomalee 3.Putlum

5. Kalutara6. Ampara

8. Anuradhapura 9. Galle

Construct New Domestic Air Ports

1. Kandy

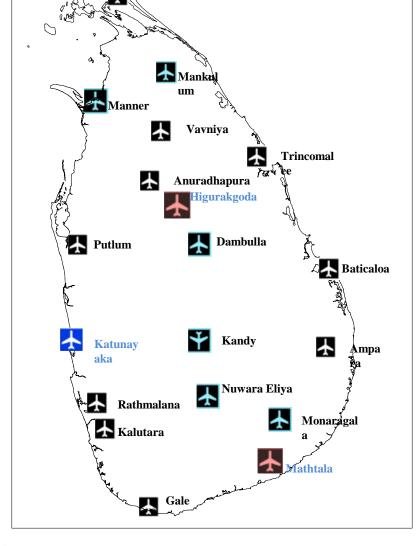
 $2. \\ Mankulum$

3. Nuwaraeliya

4. Mannre

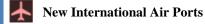
5. Monaragala

6. Dambulla



\ Palali

International Air Port



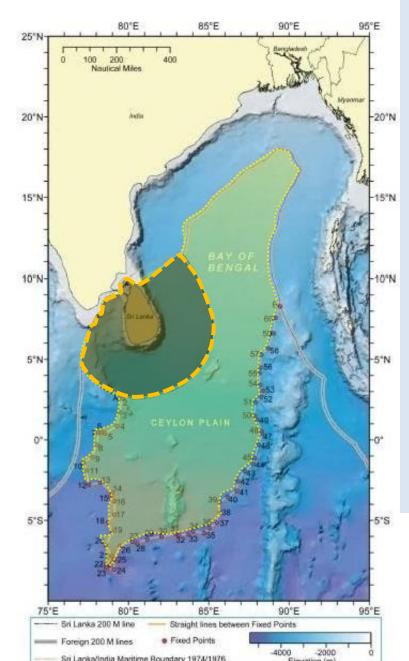


Contract the New Domestic Air Ports



Development of Sea Mineral Resources

Intercontinental Sea Zone



Exploration and use of sea resources in the sea zone which is in extent of 20 times the land area of Sri Lanka.

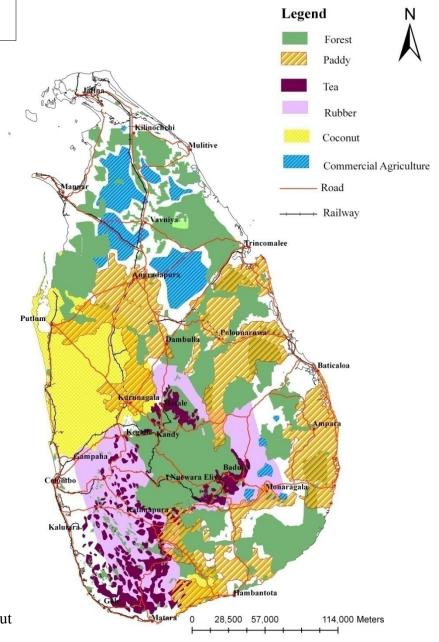
- Fishery Industry and Fish Processing Industry
- Supplying the sea transport facilities
- Promoting supportive services like construction and maintenance required for sea transport facilities
- Potential Petro Chemical Resources & Natural Gas
- Potential Chemical Resources
- Exploration & Drilling /Extraction Mineral Deposits
 Titanium, Zirconium, Thorium, Potassium, Cobalt,
 Nickel, Copper

8 Agriculture Development

High Productive Commercial Plantation & Agricultural Areas

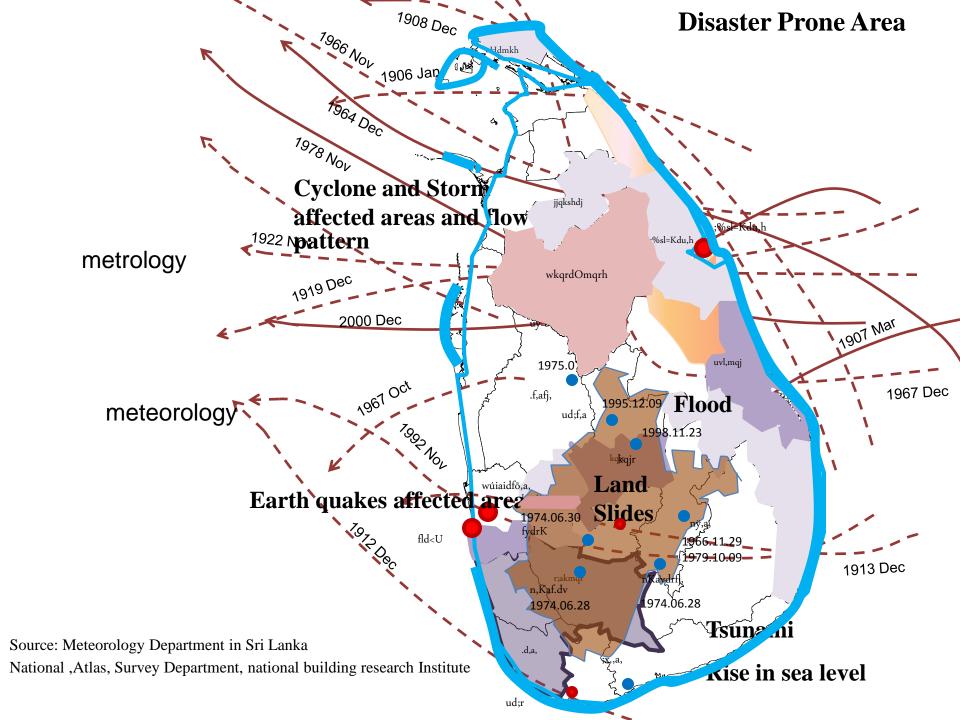
It is expected to grow following crops in commercial agriculture areas.

- Fruits
- Vegetables
- Peanut
- Cereal ^ green gram &
- Cashew
- Sugar-cane
- Commercial Forest Plantation
- Farm Oil



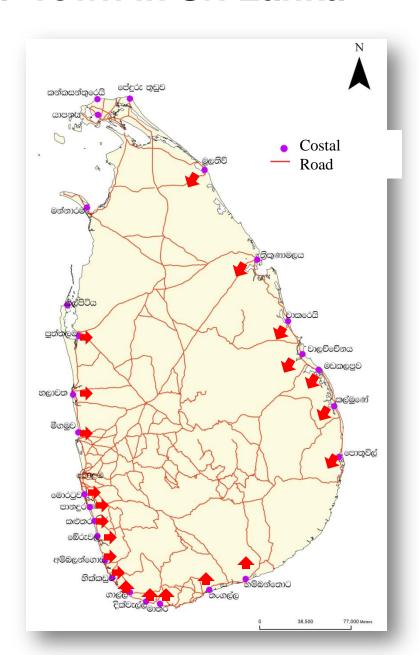
Source: Rubber Research Institute, Tea research Institute, Coconut Research Institute, Ministry of Agriculture

Physical Plan for Disaster Management



Coastal Town in Sri Lanka

Disasters can be minimized from Tsunami, Cyclones, and rise in sea level by directing the development of coastal towns to the inland areas in the country



Reforestation (Central Fragile Area)

Phase 1

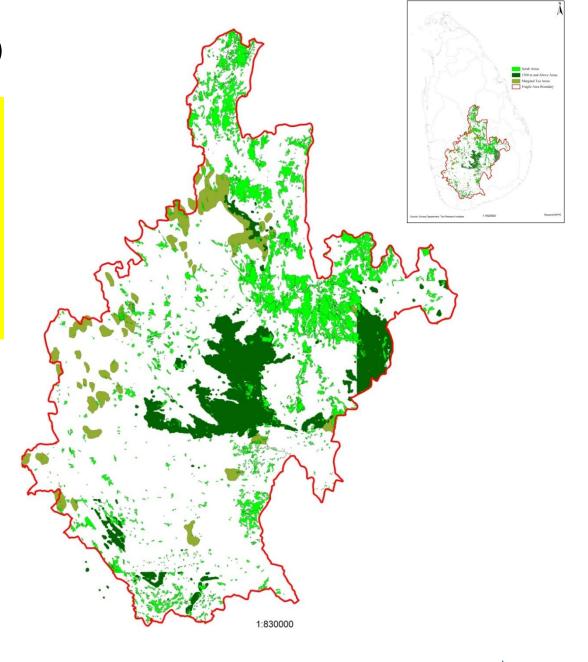
Under this Phase, scrubs, lands above 1500m and less productive tea cultivated areas are used for reforestation. Thereby the existing forest will be increased.



lands above 1500m

and less predictive tea cultivated

Central Fragile Area above 300 m





Source: Survey Department

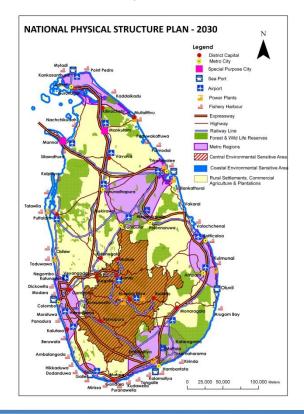
Reforestation – Central Fragile Area

			Land Extent (sq.km)	Total Land Extent (sq.km)
	Existing forest Area (Out of 1400 sq.km total central fragile area)	Forest Area	526.1	2794.41
		Forest reserve	586.28	
		Wild-life Area	1682.03	
Phase 1	Phase 1 Reforestation	Scrub Area	2541.47	3546.88
		Land above 1500m	1005.41	
Phase2	Reforestation	Low productivity tea Plantation area	667.90	667.90
Total (Phase 1 and Phase 2)				7009.2
Phase 3	Reforestation (between 300 m - 1500m)	Other Suitable Area	To be identified	

10 Tanks and Reservoirs Development

Tanks and Reservoirs Development

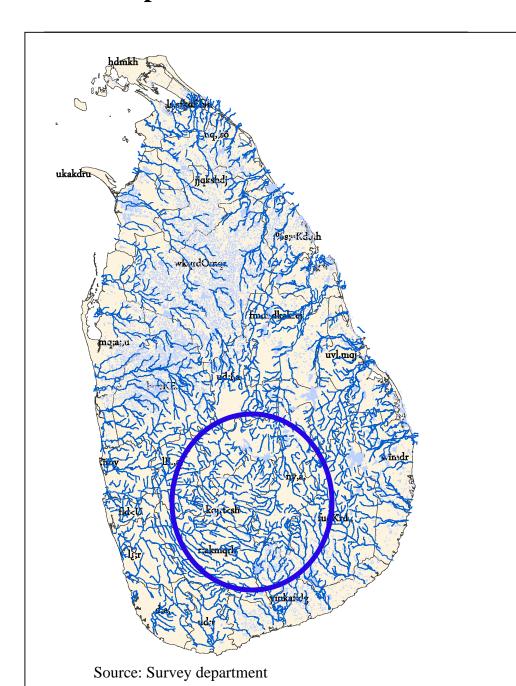
National Physical Plan - 2030



Major Rivers 103

Small and large tanks 15373

Abandoned tanks 7753



11 Energy Development

Energy Development

Hydro Energy Development



Biomass Energy Development



Wind Energy Development



Solar Energy Development



Thermal Energy Development

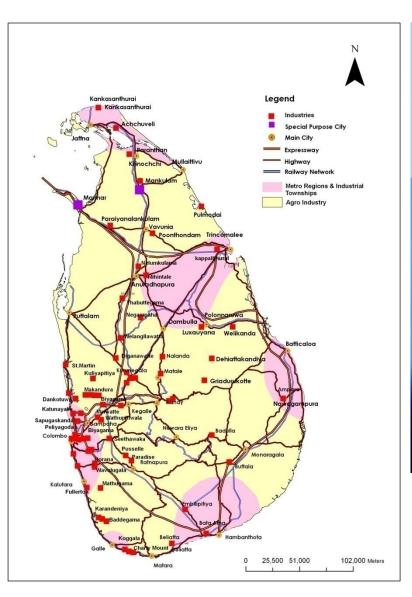


12 Industrial Development

Industry Development

Industrial Estates

Estates Export Processing Zones



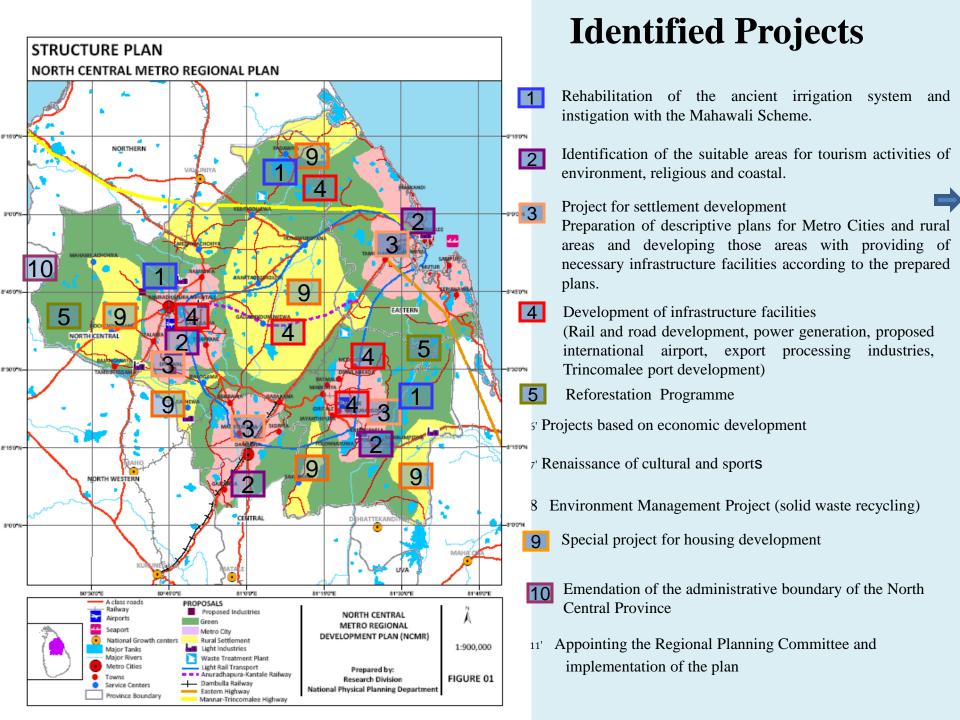


Regional Physical Plans

13

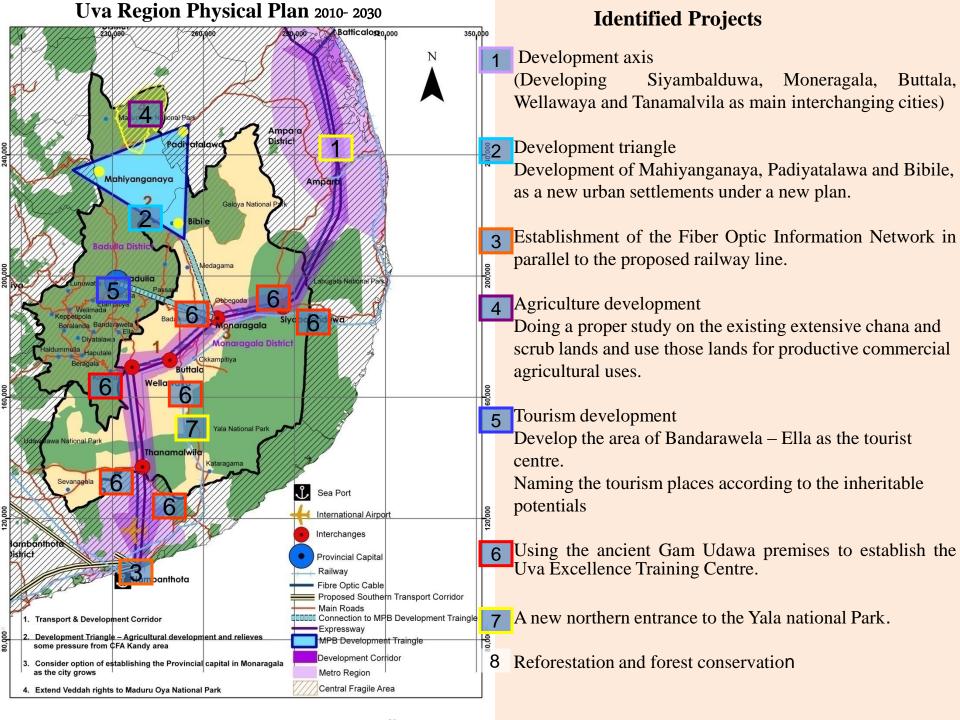
North Central Metro Region Physical Plan

2010 - 2030



14 Uva regional Plan

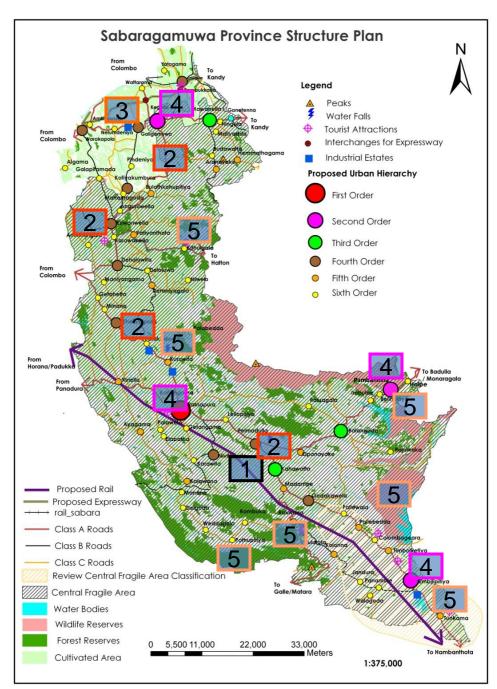
2010 - 2030



Sabaragamuwa Regional Plan

2007 - 2030

Sabragamuwa Regional Plan 2010- 2030

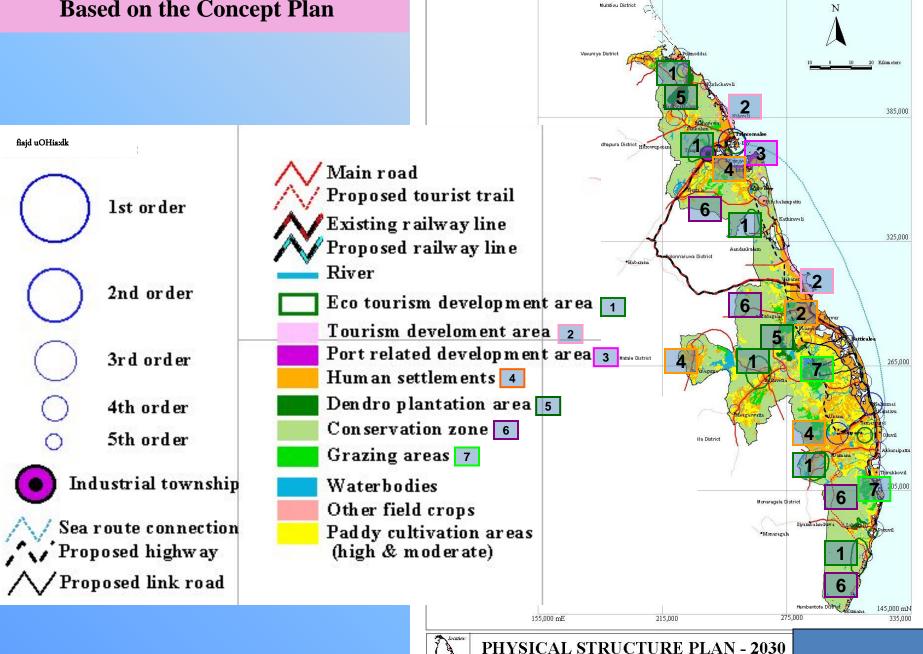


Identified Projects

- Extension of the Kelani Valley railway line from Padukka to Hambantota, via Ratnapura, Godakawela, Embilipitiya and Suriyawewa.
- 2 Expansion of the road network and proper maintenance
- Construction of the Colombo kandy express way via northern edge of the Kegalle District.
- 4 Preparation of the urban development plans according to the proposed urban hierarchy.
- 5 Developing the tourist attractive places
 - Doing studies for identification of suitable areas for mini hydro power plants and construction of the mini hydro power plants
- 7 Conservation of the existing forests, identification of the suitable areas, and reforestation.

16 Eastern Regional Plan

Eastern Province Concept Plan – 2030 Based on the Concept Plan



EASTERN PROVINCE

Proposed Northern Province Plan

Proposed Northern Province Physical Structure Major Roads - 6 Lanes Other Roads - 4 Lanes Kankasanturai egional Urban Centre ain Urban Centre nercial Agricultural ter Front Development Kilinochchi Aullaitivu\ Puththukudirippu Vellankulam ernational Aerospace International Entre Port Mannar Pareiyananalankulam Vavuniya cansport Hub Medawachchiya Anuradhap

Identified Projects

- Town development projects

 Jafna, Mankulam
- 2 Rehabilitation of the rural settlements
- 3 Enhansing the educational facilities
 - Rehabilitation of the provincial educational network
 - Establishment of the science university
- 4 Development of the industrial estates
- Conversion of the unproductive scrub lands into commercial agriculture
- Development of the coast related tourism industry and towns with having tourism accommodation
- 7 Implementation of the infrastructure development projects
 - Development of the railway network
 - Construction of the roads and express ways
 - Development of Wauniya and Mannar as transport hubs
 - Rehabilitation of the irrigation schemes
 - Development and rehabilitation of the fishery harbors
- 8' Conservation of the archeological places

THANK YOU