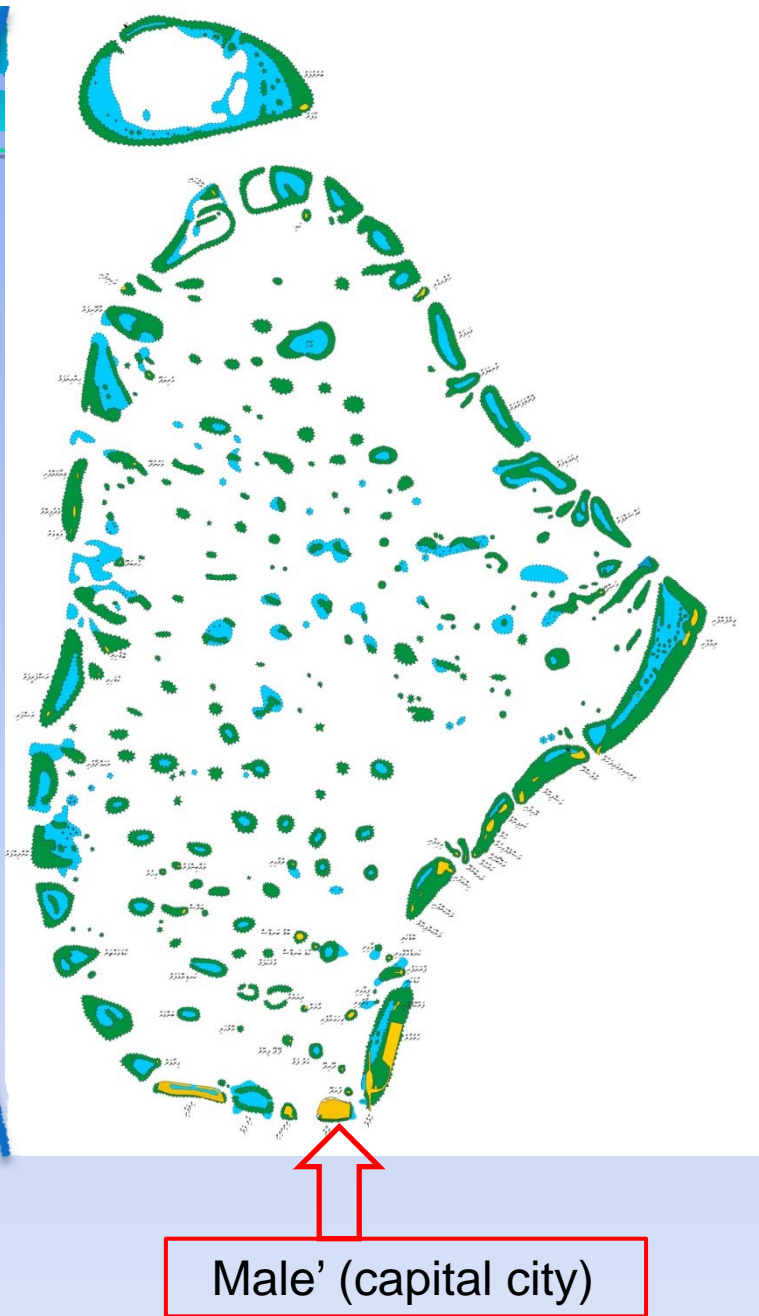
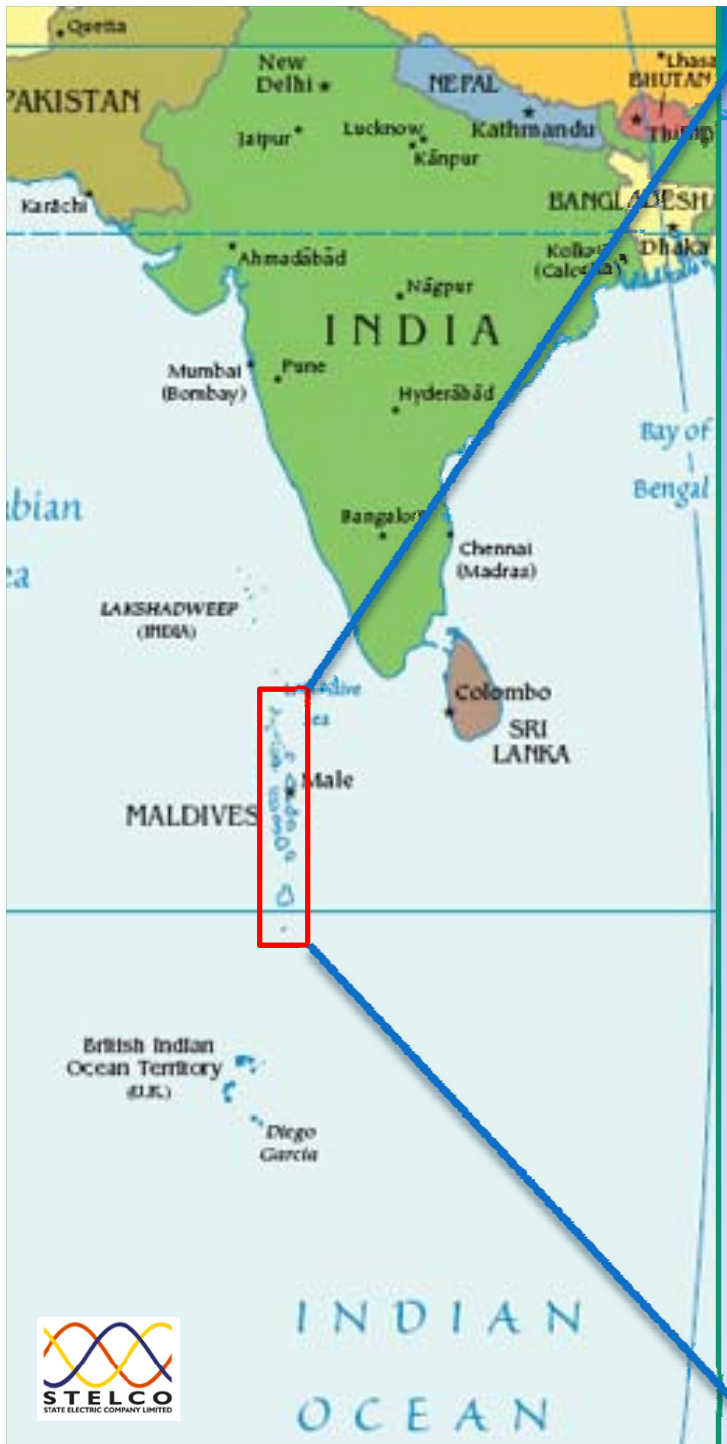


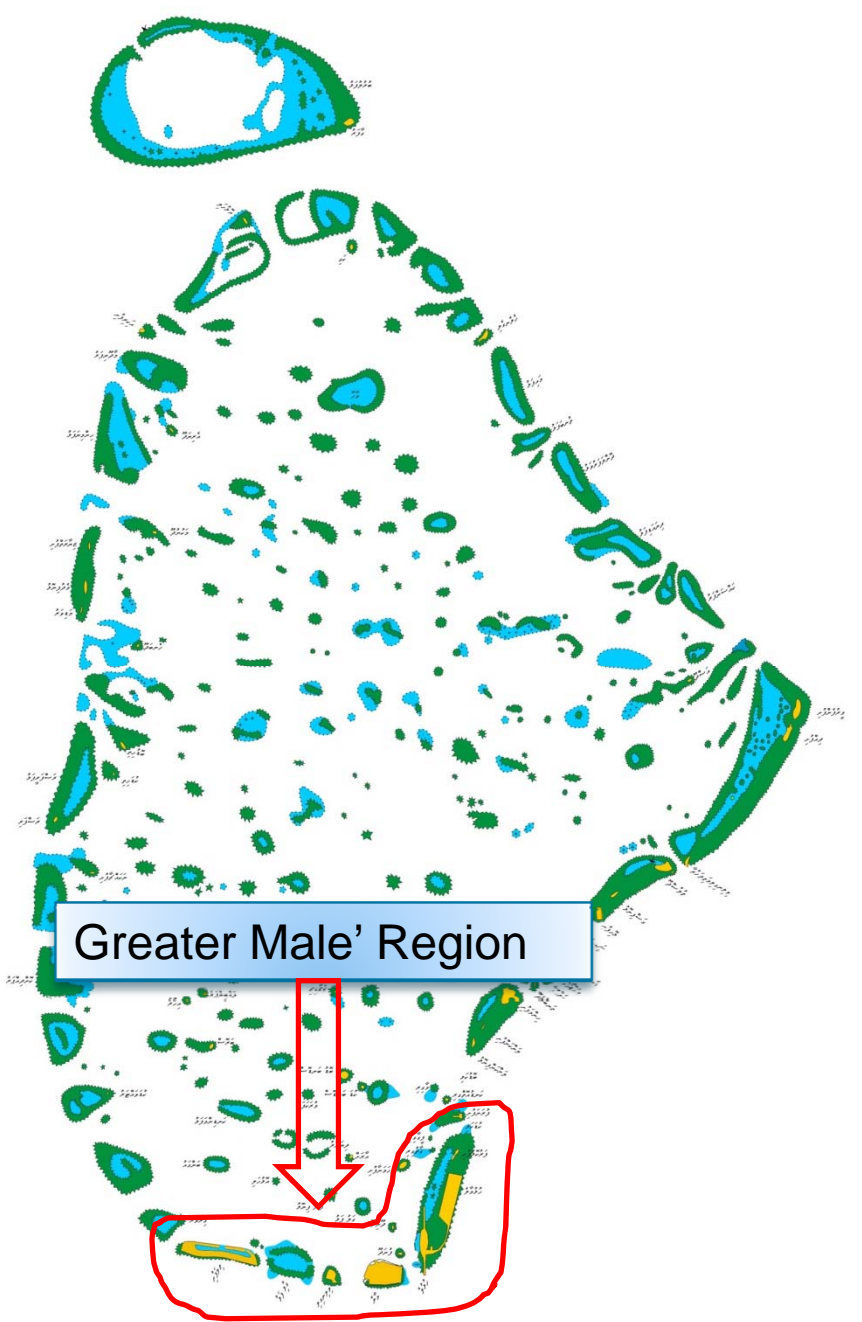
Role of Private Sector in Regional Power Trade

26 -27 SEPTEMBER 2013,
NEW DELHI, INDIA

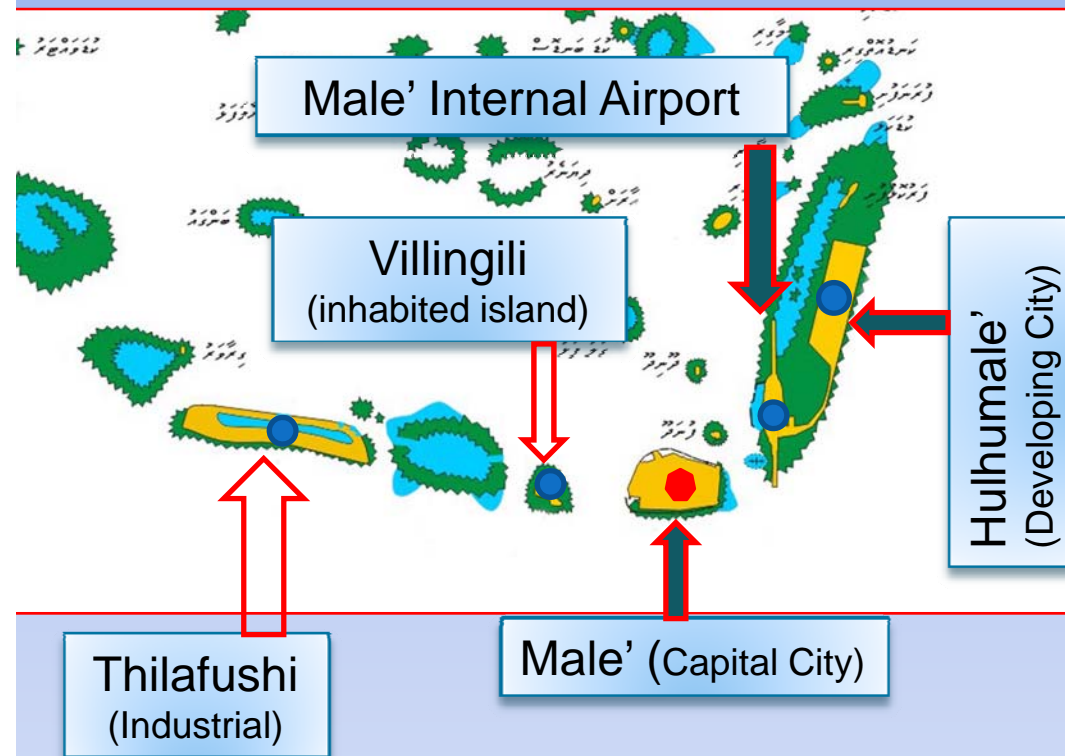


STATE ELECTRIC COMPANY LIMITED
MALDIVES





Greater Male' Region



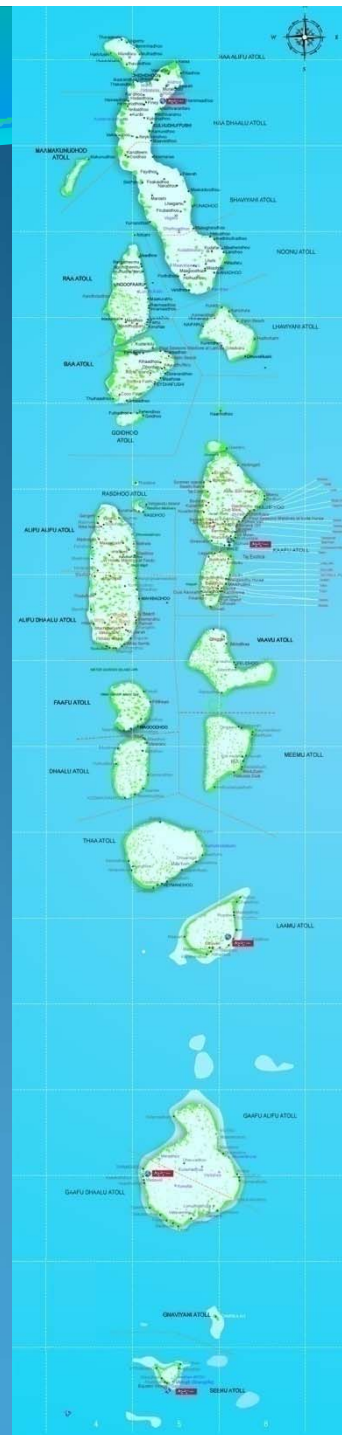
Statistics

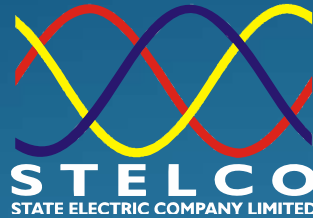
Total Population	338,442
Population in the Capital	102,377
Percentage In the Capital	30%
Number of Islands	1190
Inhabited Islands	185
Number of Atolls	26
Administrative Provinces	7
Number of Airports	5
Resort Islands	105
GDP (USD)	2,222,429,330
GDP per capita (USD)	4968 (* 2012)



Statistics

GDP (FOSSIL FUEL)	35%
ELECTRICITY COST (cent / kWh)	30 - 70
PETROLIUM PRODUCTS IMPORTS	23%
ELECTRICITY PRODUCED	





STATE ELECTRIC COMPANY LIMITED
AMEENEE MAGU
P.O.BOX 2184.MALE' 20349
REPUBLIC OF MALDIVES

TEL: (960) 3320982, FAX: (960) 3327036, EMAIL: admin@stelco.com.mv



Male' City Powerhouse



About STELCO

- State Electric Company Ltd (STELCO) is a hundred percent government owned company operating in the Maldives. Our main function is power generation, transmission and distribution to the capital Male', Greater Male' and to North Central Province.
- Apart from the capital Male', we operate 28 power stations in the islands with an installed capacity of 52 MW in Male' and 19MW in the islands.
- We have been in this business for over 60 years. At present we provide electricity to over 40% of the total population of Maldives.



History

-The Company emerged from modest beginnings in 1949 with an installed capacity of only 14kW, and providing electricity to just the residences in the capital city of Male' .

-Initially the number of customers were 50 houses in Male' . Today STELCO has an installed capacity of over 71 MW, and a customer base of 41,890 (as at Dec 2012).

Financial Overview

Annual Sales (MVR)

2010	2011	2012
0.9 billion	1.2 billion	1.4 billion

- About 80% of Revenue is spent on diesel and lube-oil
- 7% spent on staff wages
- 9% spent on spare parts, finance costs and other expenses
- Profits of 3% - 5% since 2009

Tariff structure

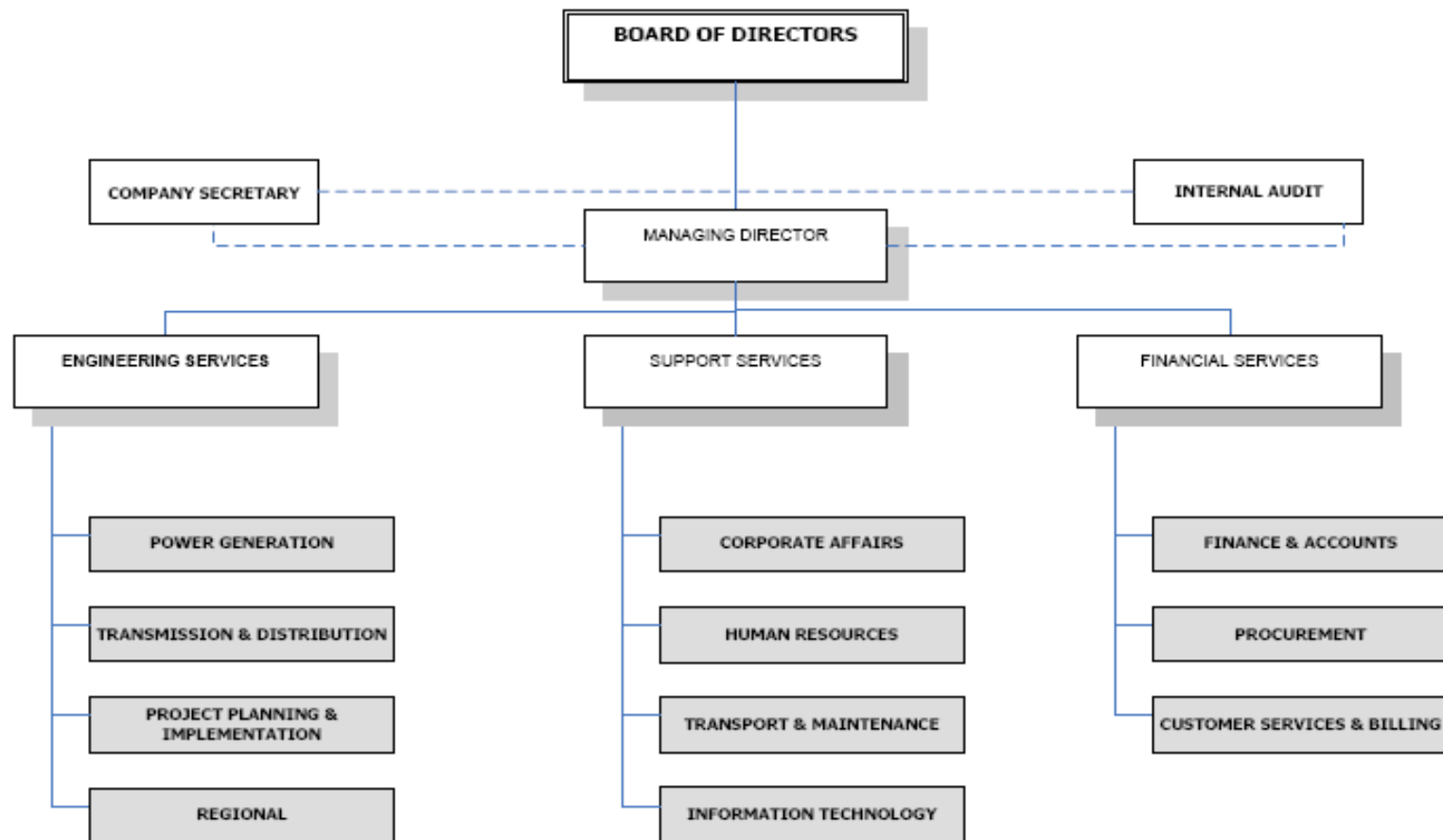
Greater Male' Domestic Rates (MVR)

BAND	MEA TARIFF RATE	SUBSIDY	NET TARIFF
0 - 100 units	2.25	0.75	1.5
101 - 200 units	2.5	0.8	1.7
201 - 300 units	2.5	0.35	2.15
301 - 400 units	2.95	0.45	2.5
401 - 500 units	2.95	-	2.95
501 - 600 units	3.55	-	3.55
> 600 units	3.85	-	3.85

Greater Male' Non-Domestic Rates (MVR)

BAND	MEA TARIF F RATE	SUBSI DY	NET TARIFF
0 - 100 units	3.30	-	3.30
101 - 300 units	3.35	-	3.35
301 - 500 units	3.65	-	3.65
501 - 600 units	4.00	-	4.00
> 600 units	4.35	-	4.35

Organization Structure of STELCO



1949

- Electricity introduced to Maldives
- Installed capacity 1 x 14 kW diesel engine supplying 50 homes in Male'

1997

- STELCO was formed after dissolving and transforming the duties of Maldives Electricity Board by a Presidential Decree.
- Regulatory function assigned to Maldives Electricity Bureau (later Maldives Energy Authority)

2008

By end of 2008 STELCO expanded services from North to South of the country totaling 28 islands catering 60% of the total population of Maldives.

2009

- Seven Regional Utility Companies formed.
- STELCO's mandate limited to providing electricity to North Central Province
- Transferred 19 operating Powerhouses to the respective Utility Companies

2013

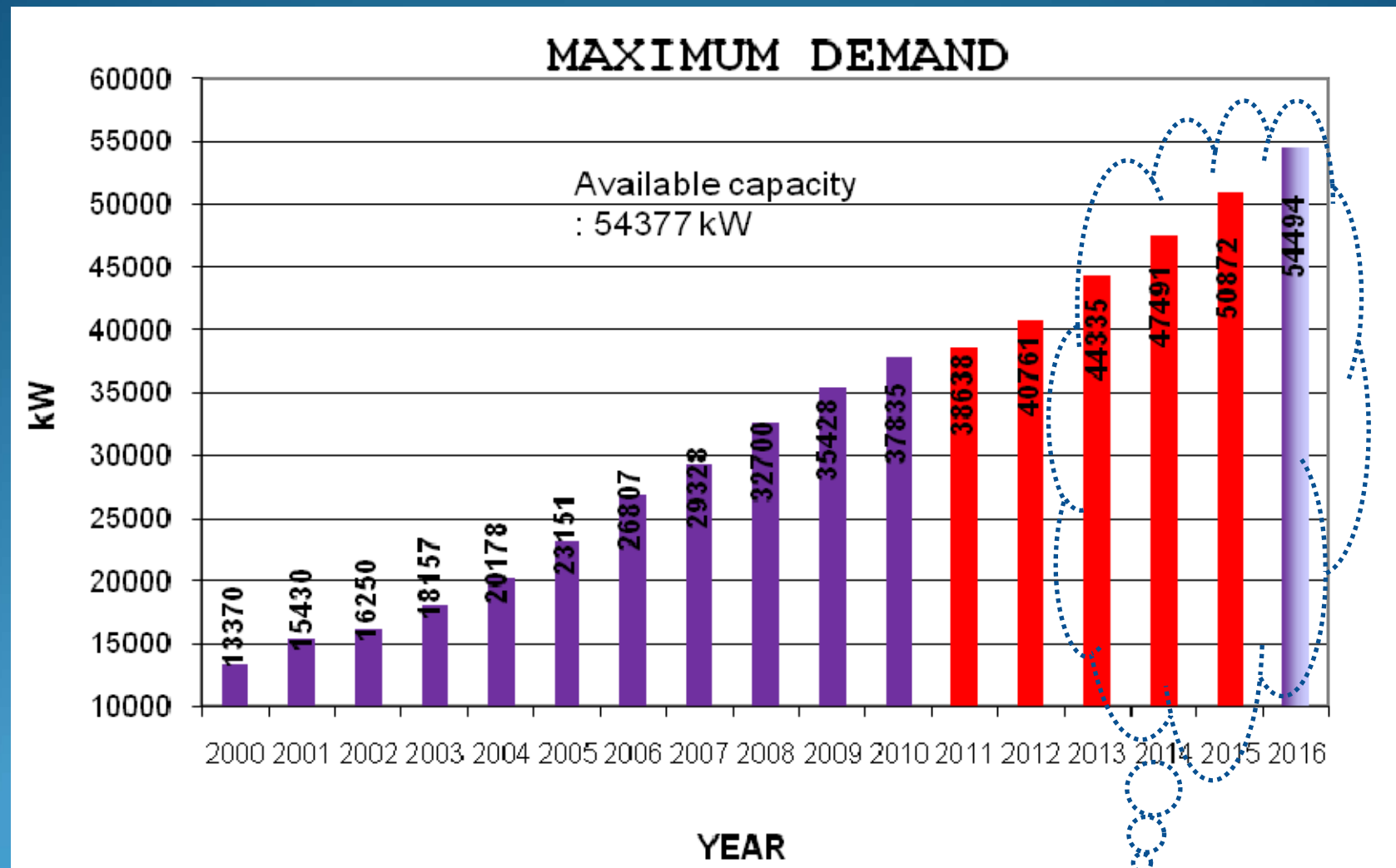
At Present STELCO provides its service to 28 islands catering 40% of the total population of Maldives. Total Installed Capacity of 78.73 Mw by fossil fuel.

Milestones

Total installed capacity in Male'	61.42 MW
Total installed capacity (STELCO)	78.38 MW
Total Number Powerhouses	28
Peak Demand in Male'	42.5 MW
Electricity Produced (Total)	287,203,841 kWh
Electricity Produced (Male')	243,768,297 kWh



MALE' POWERHOUSE DEMAND



Projected
values

Integration of RE Technologies

Solar Power

2012

- *First PV project connected to STELCO Grid*
 - *395kWp in Male' (1st phase of Clean Energy Promotion in Male' by JICA)*
 - *652kWp in 5 Islands (1/3rd of day peak demand in each Island, PPA with REM)*

2013

- *2nd phase of Clean Energy Promotion in Male' by JICA)*
 - *280kWp in Male'*

Challenges towards RE Sector

Solar Power

- *High Cost / Finance*
- *Securing the space (roof tops)*
- *Existing Capacity combinations of the Generator sets*
- *Monitoring / Control System*
- *Existing Network Capacity*

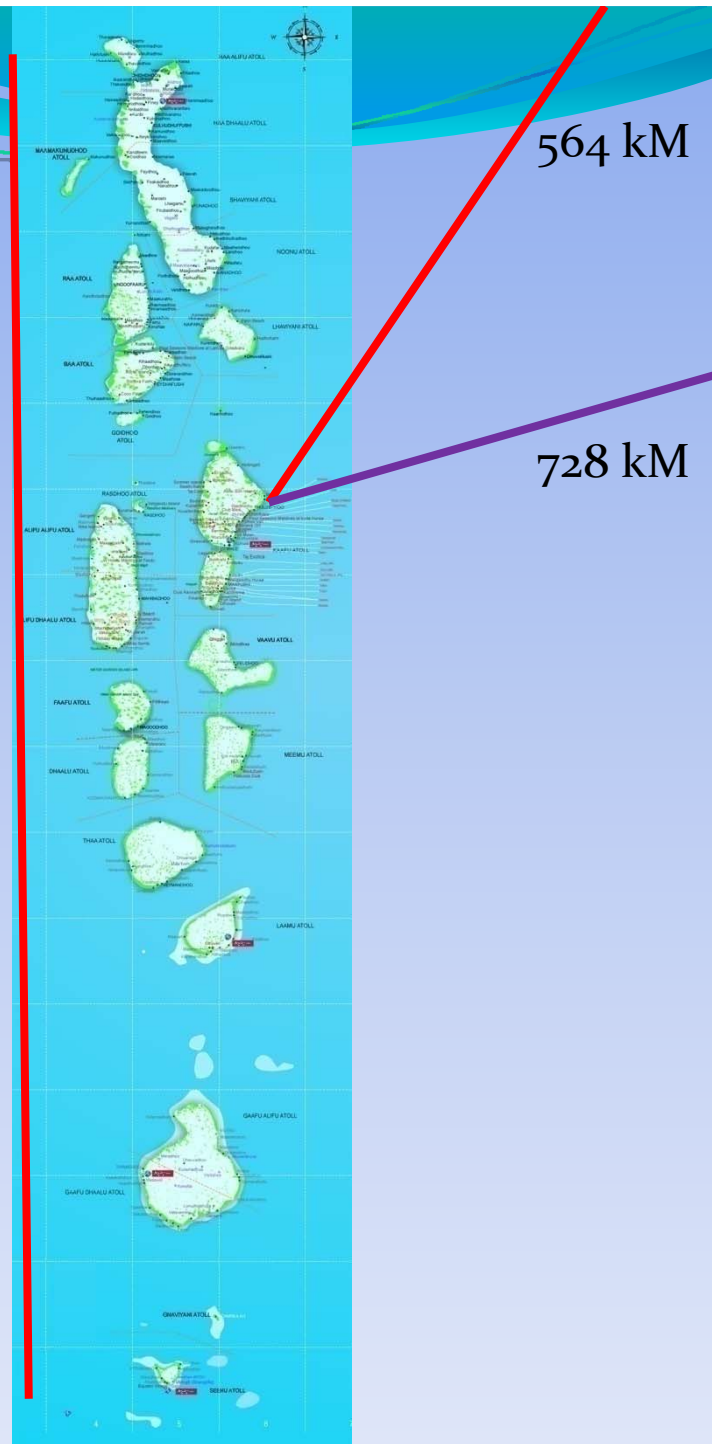
Network Inter Connection

185 Inhabited islands scattered
Over a 865 km from North to South

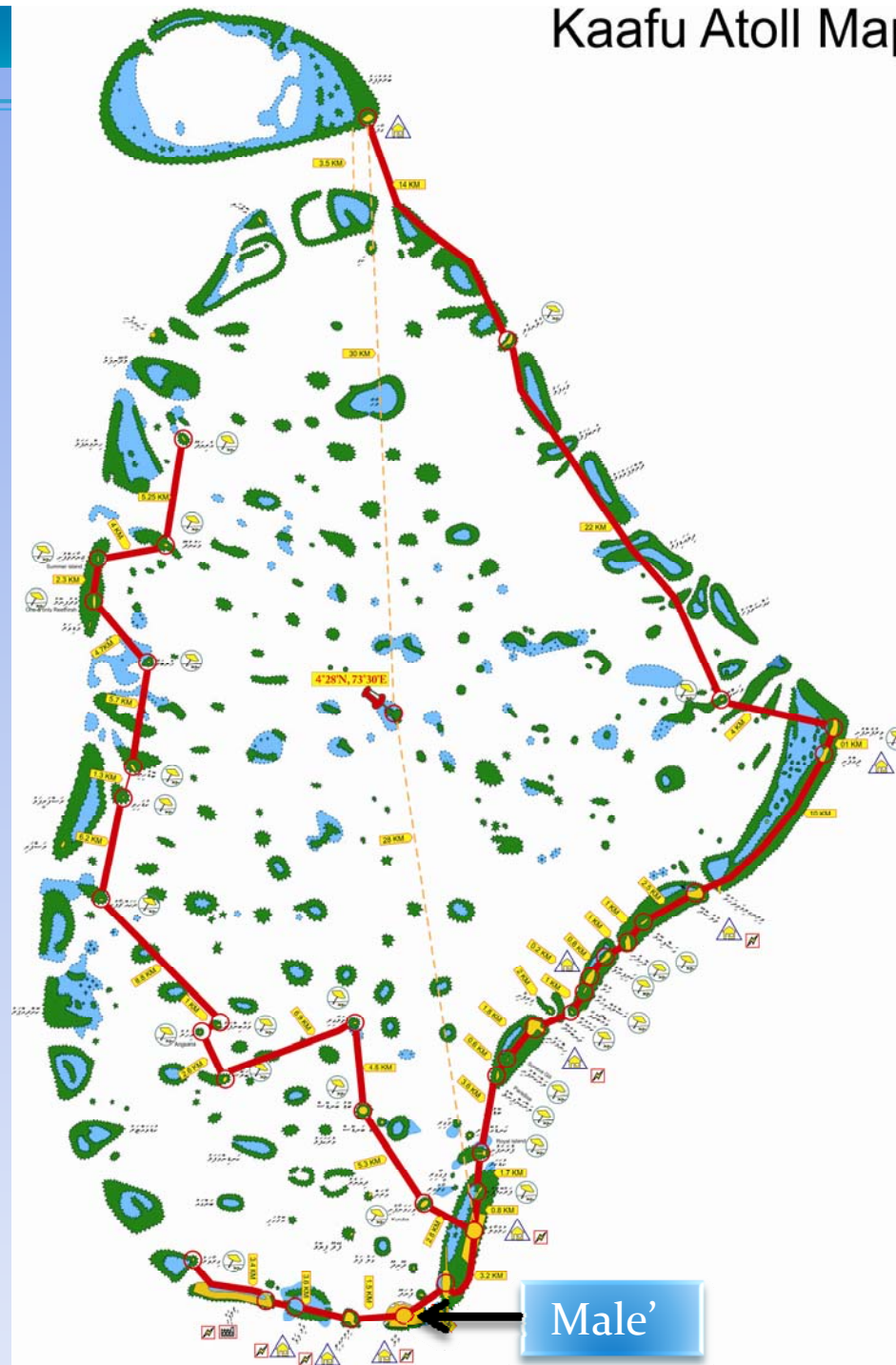
865 km

564 km

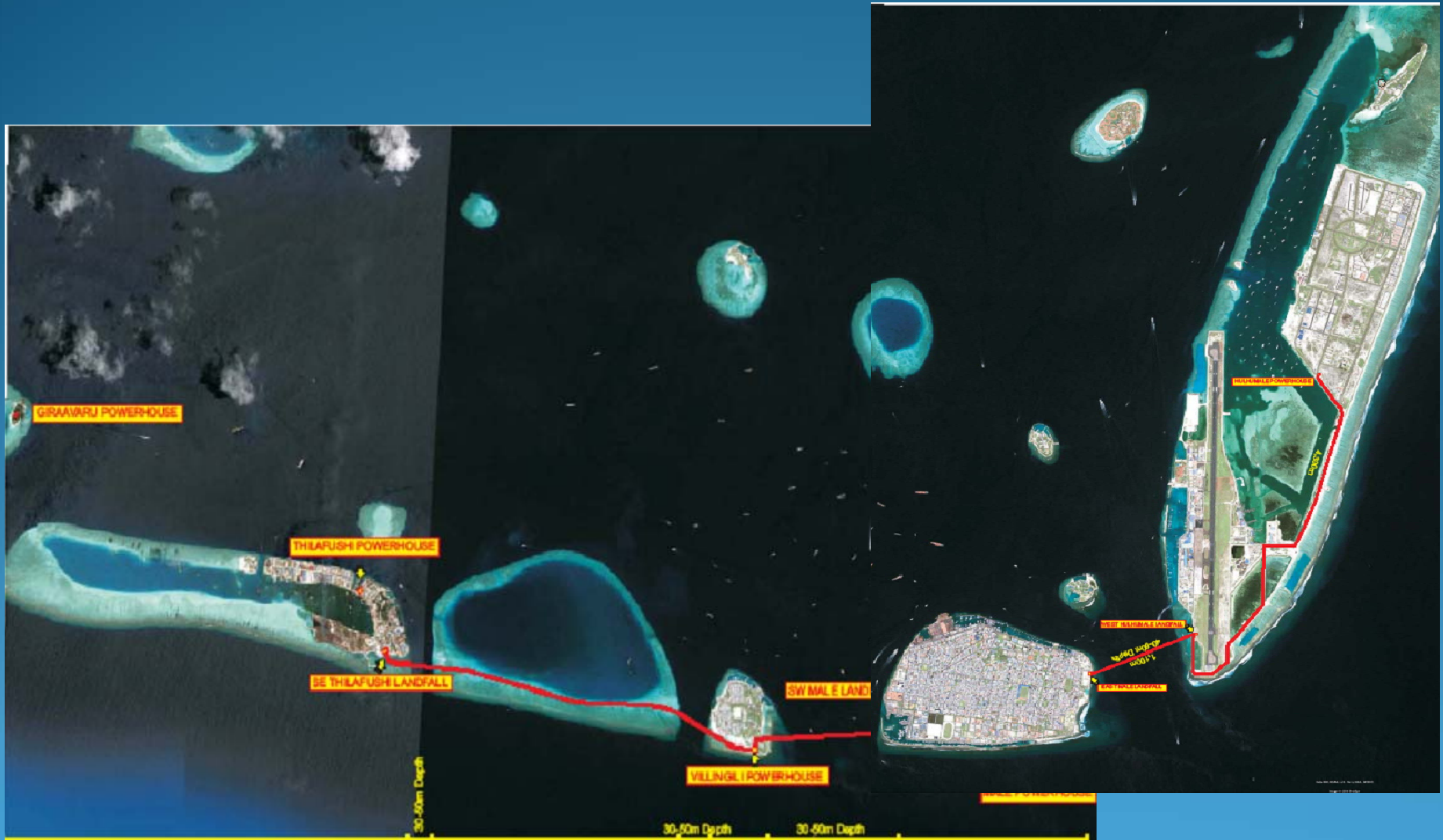
728 km



Male'



Grid Interconnection for Greater Male' region



Up Coming Projects

- *Production of Electricity from Solar Energy*
- *Co-Generation by Diesel Engines. Water Production using waste heat of the Engines*
- *Refrigeration and Air-conditioning using Waste heat*

A tropical beach at dusk with palm trees, a beachside restaurant, and the text "THANK YOU". The scene is illuminated by warm lights from the restaurant and palm trees, set against a blue twilight sky.

THANK YOU