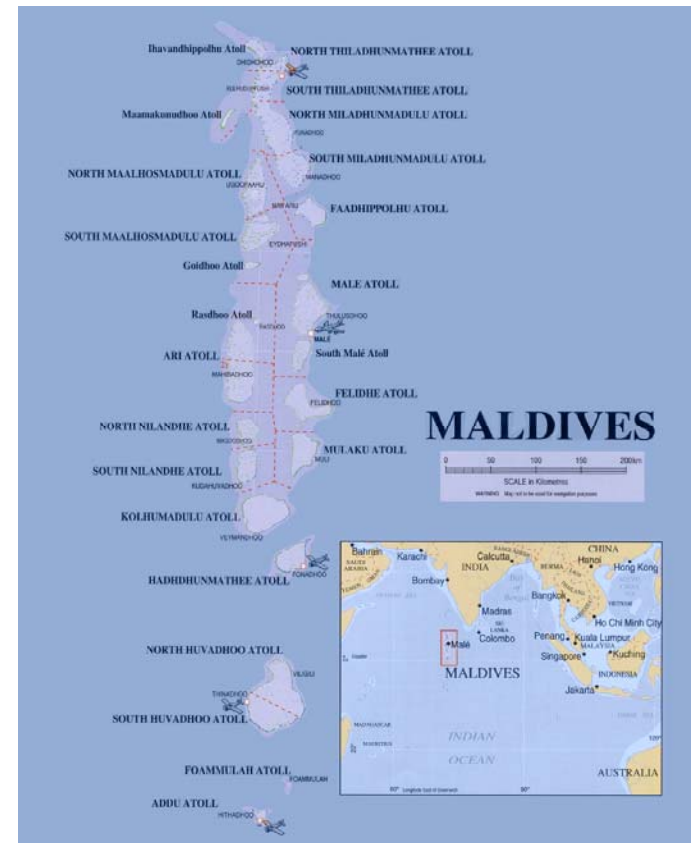


# SAARC Seminar on Role of Private Sector in Regional Power Trade

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Addu Region  
Addu City



# Fenaka Corporation Limited



- Established on 18<sup>th</sup> June 2012
- It is 100% Government owned utility company with a mandate to provide island communities with electricity, water and sewerage.
- Previously established six utility companies have been transferred to the corporation.
- Key objective of this company is to ensure sustainable primary services to the populace in the regions of the country other than Male'; supply of clean water, sewerage and electricity, and to establish an environment friendly waste management system.

# Central Power Station and Hulhumheedhoo Powerhouse

Central Power Station



HM Powerhouse

# Central Power Station and Hulhumeedhoo Powerhouse

## Central Power Station



- Located in Hithadhoo, Addu City
- Started its operation in May 2000
- Total installed capacity is 6850 kW
- Daily maximum demand is 4200 kW

# Central Power Station and Hulhumeedhoo Powerhouse

## Hulhumeedhoo Powerhouse



- Located in Hulhumeedhoo, Addu City
- Started its operation in May 1997
- Total installed capacity is 980 kW
- Daily maximum demand is 435 kW



# Regional power trading challenges in Maldives

- Maldives consists of scattered islands far from any regional country.
- Need power plants in each island
- Population is small
- Only option is renewable energy



# Energy situation in Maldives

- Relying on diesel generation
- Diesel is imported from overseas
- Generation cost is very expensive
- Increase nation's expenses by energy demand increase
- Since generation facilities are getting old, fuel efficiency is getting low, and CO<sub>2</sub> emissions increase



Engine room

# Energy situation in Maldives

- Fuel cost for generation was US\$240M in 2011, which is equivalent to approximately 10% of GDP
- Also citizen's electricity bill is becoming expensive due to increasing in fuel surcharge
- If this cost can be reduced by renewable energy, Maldives can spend a lot of money to invest social infrastructure and other usage.



# Renewable Energy

- In response to increasing power demand and along with Maldives carbon neutral policy, the only option for Maldives is to install renewable energy
- There are two types of renewable energy feasible for Maldives:
  - 1. Wind Energy
  - 2. Solar Energy



# Renewable Energy

- Feasibility studies show that Northern atolls of Maldives have considerable wind throughout the year, hence wind power generators can be installed in Northern atolls
- Solar power PV systems can be installed in any island in the Maldives because there is sunshine in Maldives throughout the year.





**Thank You!**