



Australian Government

Department of the Environment and Water Resources



Accelerating Clean Development through the Asia-Pacific Partnership on Clean Development and Climate

1st India Cleantech Forum, 3 August 2007

John Jende

Director

Renewable Energy Partnerships

Australian Greenhouse Office

Department of the Environment and Water Resources





Overview of APP presentation

- APP Overview
 - *Context, purpose and progress*
- Renewable Energy & Distributed Generation Task Force
 - *Objectives and progress*
 - *India-Australia project collaborations and opportunities*
 - *Areas of Strategic focus relevant to India*





Asia-Pacific Partnership on Clean Development and Climate (APP)

- Announced by Ministers from each Partner country on 28 July 2005.
- Regional partnership addressing challenges of climate change, energy security and air pollution in a way that encourages economic development and reduces poverty.
- Aims to
 - *create a framework and enabling environment to accelerate development and uptake of clean technologies; and*
 - *provide a forum for exploring relevant policy approaches and sharing experiences.*





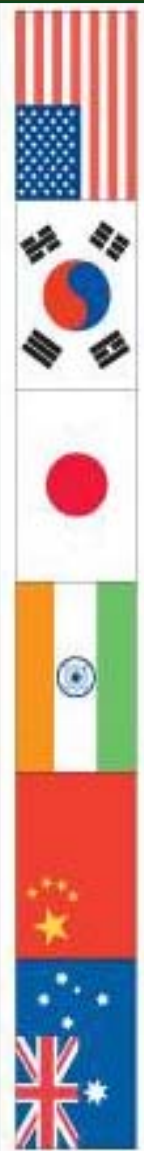
Drivers/Opportunities for the APP

■ Drivers for APP:

- *Secure and reliable access to energy*
- *Environmental improvements - air pollution reduction*
- *Climate change - greenhouse gas emissions reduction*
- *Sustainable economic growth and poverty reduction*

■ Six founding partner countries encompass:

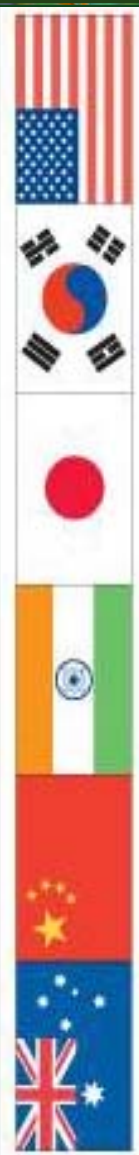
- *49% of world GDP;*
- *48% of world energy consumption;*
- *48% of global greenhouse gas emissions; and*
- *45% of the world's population.*





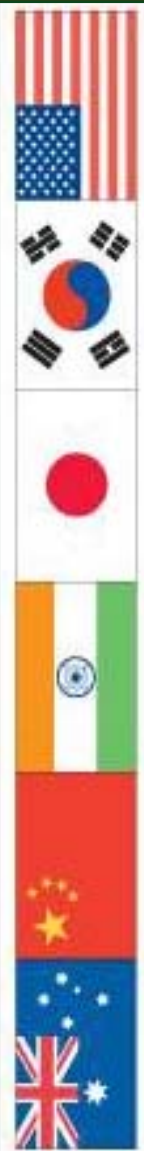
A Practical Focus

- A practical partnership to develop, deploy and transfer cleaner, more efficient technologies.
- The partnership is about long-term practical collaboration, not short-term, top-down targets.
- Private sector engagement is recognised as a key ingredient for success.
- Does not claim to be a “quick-fix” – recognises that the scale of the challenge is huge.





Eight Task Forces under APP



	Chair	Co-Chair
Cleaner fossil energy	Australia	China
Renewable energy and distributed generation	Korea	Australia
Power generation and transmission	United States	China
Steel	Japan	India
Aluminium	Australia	United States
Cement	Japan	
Coal mining	United States	India
Buildings and appliances.	Korea	United States



Renewable Energy and Distributed Generation Task Force (REDGTF)

- Chair – Republic of Korea
- Co-chair – Australia
- Task Force goals:
 - *To accelerate deployment of RE and DG over the next 5 years.*
 - *To close the remaining gap between the cost of renewable energy generation and conventional generation.*
 - *To identify market and policy barriers, and implement mechanisms to overcome such barriers, to enable Partners to achieve their deployment goals.*





RE and DG Focus



<i>Project Category</i>	<i>Description</i>
Deployment Projects	Are focused on accelerating the up-take of existing, commercial REDG systems and services into Partner Country markets.
Market Enabling Projects Technical Issues Market Issues Training and Education	Are focused on addressing policy, regulatory, attitudinal, financial, educational and other challenges to the uptake of REDG technologies.
Research Development & Demonstration Projects	Are focused on applied research, development and/or demonstration of new technologies to reduce their technical and commercial risk and increase stakeholder confidence.



Australian-Indian REDGTF Projects

- Existing REDGTF endorsed projects with an Indian focus/linkages that are led by Australian organisations include:
 - *Building Expertise in Solar Energy Engineering.*
 - *Quality Renewable Energy Training Program in China and India.*
 - *Identifying Optimal Legal Frameworks for Renewable Energy in China and India.*
 - *Solar-enhanced Fuels for Electricity and Transport.*
 - *Increasing Efficiency of Linear Concentrators to Capture Solar Energy.*
 - *Design and development of a solar biomass hybrid cooling and power generation system for India.*
 - *Cleantech (Pursuing Clean Energy Business in India).*





Australian-Indian REDGTF Projects

- Projects currently under development

- *Led by Australia*

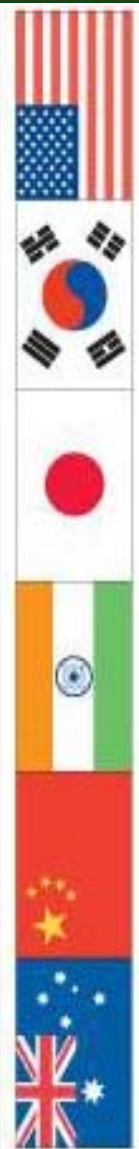
- Sharing Australian and Indian experiences and knowledge in providing energy to remote communities.
- Accelerating deployment of smart mini/micro grids in APP markets.

- *Led by India*

- Innovation, demonstration and evaluation of concentrator PV systems in India.
- An additional six projects under development with other countries.

- Future opportunities

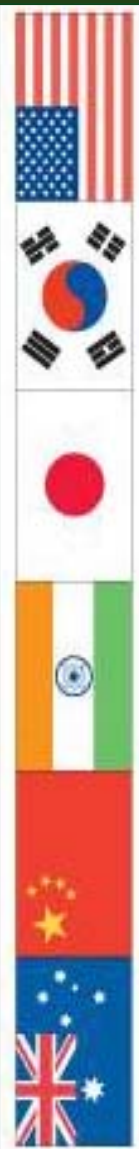
- ??? (*Australia is keen to explore more opportunities*)





Pursuing Clean Energy Business in India

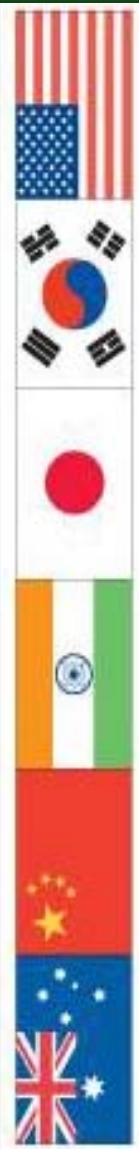
- An important first step in expanding the development of future Australian-Indian projects.
- Led by Clean Technology AustralAsia.
- Objective:
 - *to identify the business barriers to increased investment in clean technologies between Australia and India and to develop a Strategic Action Plan that identifies possible actions to remove these barriers.*
- Forum participants are encouraged to provide input to the Cleantech survey.





REDGTF – emerging strategic focus

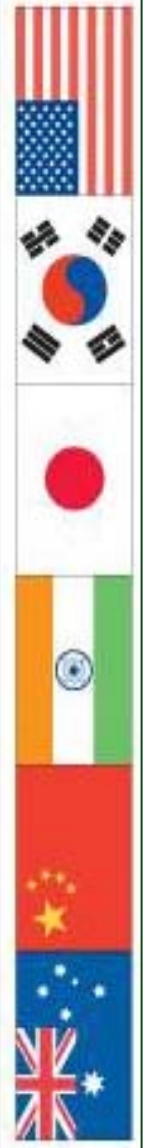
- Broaden the focus of the REDGTF to include emerging strategic issues across Partner countries.
- Two focal points:
 - *Projects AND Policy issues*
- Policy Issues moving forward
 - *Policy inventory and analysis.*
 - *Need for governments to support accelerated development and uptake of RE and DG technologies.*
 - *Potential for an Emissions trading framework.*
 - *Potential for tariff reduction.*
 - *Addressing Intellectual Property challenges.*
 - *Increasing private sector engagement and involvement.*





Australian Government

Department of the Environment and Water Resources



THANK YOU!

Partnership Site: www.asiapacificpartnership.org

Australian Site: www.ap6.gov.au