

c) Finalizing national strategy

Based on priority technology action plans in the subsectors, a national strategy and action plan for the bus rapid transit technology development targets are presented in Table .

Table 43 - National Strategy (technology transfer and development for mitigation)

	0-5 years	5-10 years	10-15 years
Long-term technologies			
Bus rapid transits			
Create BRT information systems on for commuters	X		
Reduce private vehicles; develop BRT infrastructure	X	X	
Create financing mechanisms and loan incentives	X		
Develop infrastructure for relevant forms of public transits to facilitate commuting by BRTs	X	X	X
Raise awareness on the benefits of BRTs	X		
Reasonable ticket fares	X		

1.4.4. Combined heat and power (CHP) or heat and power cogeneration

1.4.4.1. Technology action plan for CHP

a) Aggregation and rationalization of measures identified for technology acceleration

Similar to the above section, the list of measures identified for formulation of a national strategy to accelerate the development and transfer of technologies can be seen in Table .

Table 44 - Aggregation for strategy formulation

Strategic measure	Accelerating innovation RD&D	Accelerating deployment	Accelerating diffusion
Creation of Network			
Facilitate existing network of stakeholders	XXX	XXX	
Create a coordination mechanism between stakeholders	XXX	XXX	
Policies and Measures			
Formulate incentive policies and binding legal obligations for technology deployment	X	XX	X
Publish technical materials on new technologies for manufacturing industries employing CHP	X	XX	X
Organizational/behavioral change			
Review and plan	X	X	XX

Staff training on the CHP technology	X	X	XX
Strengthen technology management capacity and raise community awareness on technology benefits	X	X	XX
Skills training and education			
International experts, have staff members trained	XX	X	XX
Create funds for training and education	XX	X	XX
International cooperation and IPR			
International cooperation in CHP technology development and transfer		X	

* Note: see Note under Table .

b) Prioritization and characterization of technology acceleration measures

Similar to above, the measures were prioritized and characterized through a detailed process for an action plan, as seen in Table .

Table 45 - Prioritization and characterization of technology acceleration measures

Sector: Energy							
Specific Technology and category: Heat and power cogeneration/Large and small scale, short, medium and long-term							
Innovation stage: Deployment – Diffusion							
Measure (grouped under core elements)	Pri- ority	Why is it important?	Who should do it?	How should they do it?	Time- scale	Monitoring, reporting and verification for measure	Estimated costs (1,000 USD)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Creation of networks							
Facilitate existing network of stakeholders	1	Forms a basis for integrating CHP in the General Development Planning of the sector	MOIT	Create networks Build coordination mechanisms Formulate regulations and sanctions for implementation	In 5 years	MOIT	25
Create a coordination mechanism between stakeholders	2	Facilitates the cooperation and information sharing between experts of different principles in the application of CHP	MOIT	Create networks Build coordination mechanisms Formulate regulations and sanctions for implementation	In 5 years	MOIT	15
Policies and measures							
Formulate incentive policies and binding legal obligations for technology deployment	1	Encourages businesses to deploy this technology	MOIT, MPI	Create networks Build coordination mechanisms Formulate regulations and sanctions for implementation	In 5 years	MOIT	17.5

Publish technical materials on new technologies for manufacturing industries employing CHP	2	Facilitates desk research in the R&D of CHP for the deployment of this technology in high potential sectors.	MOIT, MPI	Create networks Build coordination mechanisms Formulate regulations and sanctions for implementation	In 5 years	MOIT	17.5
Organizational/behavioral change							
Review and plan	1	So far, CHP has not been included in industrial zone planning. This measure will form the basis for integration of CHP in planning industrial zone	MOIT, MPI	Review industrial zone planning Amend and finalize the planning	In 5 years	MOIT	35
Staff training on the CHP technology	2	This measure will help address the lack of CHP experts and facilitate the CHP diffusion	MOIT, MOET	Identify demand for information and training needs to plan and implement the training roadmap	In 5 years	MOIT	25
Strengthen technical management capacity and raise community awareness on the benefits of this technology	2	This measure will address insufficient management capacity and limited understanding of CHP	MOIT	Organize training courses and awareness raising campaigns	In 5 years	MOIT	15
Skills training and education							
International experts, have staff members trained	1	Capacity and experience of national experts are limited	MOIT, MOET	Review and develop a training plan, open training courses in colleges and vocational schools	In 5 years	MOIT	125
Create funds for training and education	2	Because of limited financial resources for research and education	MOIT, MOF	Identify needs, plan and establish funds	In 5 years	MOIT	10
International cooperation and IPR							
International cooperation in CHP	1	This measure will help to build	MOIT	Identify needs, and develop transfer	In 5	MOIT	250

technology development and transfer		capacity, develop human resources and facilitate technology transfer to CHP deployment		plan	years		
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*** Note:**

(1) Priority levels are similar to Table .

c) Finalizing national strategy

Based on priority technology action plans in the subsectors, a national strategy and action plan for the CHP development targets are presented in Table .

Table 46 - National Strategy (technology transfer and development for mitigation)

	0-5 years	5-10 years	10-15 years
Commercially available technologies (short-term)			
Combined heat and power			
Facilitate existing network of stakeholders	X		
Create a coordination mechanism between stakeholders	X	X	
Formulate incentive policies and binding legal obligations for technology deployment	X	X	
Publish technical materials on new technologies for manufacturing industries employing CHP	X		
Review and plan	X		
Staff training on the CHP technology	X	X	
Strengthen technical management capacity and raise community awareness on the benefits of this technology	X		
International experts, have staff members trained	X	X	
Create funds for training and education	X		
International cooperation in CHP technology development and transfer	X		

1.4.4.2. Brief summary of project ideas for international support (details in Annex 4)

1.5. Summary

a) Wind power action plan

Present to 2015: Focus on implementing policies for promotion of new energies (particularly REs) to reduce electricity consumption, develop investment incentives and financing mechanisms for RE development, invest on RE projects, build financial support mechanisms, including tax incentives for importing equipment, business tax, concessional loans, and particularly subsidization schemes for purchase of REs.

Up to 2020: Build wind maps to locate appropriate sites to maximize efficiency of investment projects, develop infrastructure and maintenance services, and create a system of information for stakeholders. In addition, form technical expert groups and increase international cooperation to enhance operation and maintenance capacity.

b) CFL action plan

Present to 2015: Develop and apply tax incentives for importing production equipment and concessional loan policy for national businesses to invest, upgrade and employ new production technologies. Gradually erase the coal subsidization for electricity generation, develop a market-based pricing system. Provide financial support to awareness raising on social, economic and environmental benefits of CFLs. Regulate requirements for lighting