



ASIAN DEVELOPMENT BANK

## China, People's Republic of: Strengthening Capacity for Promoting Distributed Renewable Energy Utilization in Hebei Province

Project Name	Strengthening Capacity for Promoting Distributed Renewable Energy Utilization in Hebei Province		
Project Number	47054-001		
Country	China, People's Republic of		
Project Status	Closed		
Project Type / Modality of Assistance	Technical Assistance		
Source of Funding / Amount	TA 8582-PRC: Strengthening Capacity for Promoting Distributed Renewable Energy Utilization in Hebei Province		
	Technical Assistance Special Fund	US\$ 300,000.00	
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth		
Drivers of Change	Governance and capacity development Private sector development		
Sector / Subsector	Energy - Energy efficiency and conservation - Energy sector development and institutional reform - Energy utility services - Renewable energy generation - solar		
Gender Equity and Mainstreaming			
Description	The proposed TA supports the PRC government's strategy for delinking the economic growth and increased greenhouse gas emissions and increasing the utilization of renewable energy. The proposed TA is also a timely response to address the urban air pollution in Northern PRC which is partly attributed to coal fired heating plants located in urban areas and supports the recently issued regulations by National Energy Administration to increase non-polluting energy sources for heat supply. ADB's PRC: Country Partnership Strategy 2011_2015 also prioritized ADB support for innovative technologies and institutional arrangements to mitigate climate change, urban environment and private sector participation in delivery of public services. The proposed TA will enhance the capacity of provincial government agencies to utilize distributed renewable energy sources for heat supply in urban areas by assessing the feasibility of geothermal energy and wind power as a potential heat source in the context of Hebei Province. In addition, the proposed TA will provide capacity building to provincial agencies to structure public private partnerships (PPP) to attract private sector investments to these distributed renewable energy projects.		
Project Rationale and Linkage to Country/Regional Strategy			
Impact	Increased utilization of distributed renewable energy in Hebei Province		

### Project Outcome

Description of Outcome	Enhanced capacity to utilize distributed renewable energy is adopted in Hebei Province and demonstration projects and implementation arrangements are identified.
Progress Toward Outcome	The master plan for utilizing geothermal energy and bio mass for heat supply in Hebei Province is being prepared under the TA.

### Implementation Progress

Description of Project Outputs	Assess the geothermal resource availability in secondary cities in Hebei Province and feasibility of using geothermal energy for heat supply. Assess the technical and financial feasibility of using excess wind energy for heat supply in Hebei Province Enhance the capacity of provincial government agencies to implement identify, structure and implement several distributed renewable energy projects as public private partnerships (PPP).
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Status of Implementation Progress (Outputs, Activities, and Issues)	<p>The consultant recruitment has been completed and the consultants have been mobilized. It has been agreed with the government, the TA will focus on preparing a master plan for utilizing geothermal and bio mass for heat supply in Heat supply. The feasibility study for using wind power for heat supply will not be undertaken due to inadequate TA resources.</p> <p>The interim report was submitted on August 2014.</p> <p>Participants from the consulting team, Finance Bureau, Hebei DRC, ADB and experts from stakeholders attended the midterm workshop in November 2014 in Hebei.</p> <p>During the workshop, the government requested for the need for an additional renewable energy utilization planning expert. The renewable energy utilization planning expert will be recruited for 2 months to prepare a geothermal energy utilization plan. A contract variation has been submitted and was approved in January 2015 by OSFMD.</p> <p>The final report has been submitted on 15 September 2015.</p>
Geographical Location	

## Summary of Environmental and Social Aspects

Environmental Aspects	
Involuntary Resettlement	
Indigenous Peoples	
<b>Stakeholder Communication, Participation, and Consultation</b>	
During Project Design	Provincial government agencies and private sector companies engaged in geothermal based heating has been consulted.
During Project Implementation	Extensive consultations with stakeholders engaged in promoting renewable energy utilization in non-electricity applications in Hebei Province will be undertaken.

## Business Opportunities

Consulting Services	<p>The CDTA will be carried out by a team of national consultants with extensive knowledge and expertise in (i) geothermal resource assessment and use of geothermal energy for heating, (ii) distributed renewable energy technologies and implementation models for distributed renewable energy projects, (iii) structuring of PPP projects for renewable energy, (iv) institutional and financial regulations pertaining to wind power and heat supply in PRC. ADB will select and engage consultants through a national consulting firm in accordance with its Guidelines on the Use of Consultants (2013, as amended from time to time) using the quality- and cost-based selection method. Because of the importance of the technical aspects of the consulting services, a quality_cost ratio of 80:20 is proposed. The consulting firms will be required to submit a simplified technical proposal covering work plan, team composition, task assignments, work and personnel schedules, and curriculum vitae of the proposed consultants. The national consultancy firms in the PRC have adequate expertise to undertake this assignment and the relatively small scale of TA budget and the requirement for extensive field work do not warrant the inclusion of international consultancy firms in the short list.</p>
Procurement	All procurement will be carried out in accordance with ADB's Procurement Guidelines (2013, as amended from time to time). All equipment purchased under the TA will be turned over to the implementing agency after TA completion. TA funds will be disbursed in accordance with ADB's Technical Assistance Disbursement Handbook (2010, as amended from time to time).

## Responsible Staff

Responsible ADB Officer	Perera, Pradeep
Responsible ADB Department	East Asia Department
Responsible ADB Division	Energy Division, EARD
Executing Agencies	<p><i>Hebei Development Reform Commission</i>  <i>Mr. Xiaolin Qiao, Chief</i>  <i>qiaoxiaolin@126.com</i>  <i>No. 55 Ziqiang Road, Shijiazhuang Hebei 050000 People's Republic of China</i></p>

## Timetable

Concept Clearance	04 Nov 2013
Fact Finding	19 Nov 2013 to 19 Nov 2013
MRM	-
Approval	16 Dec 2013
Last Review Mission	-

**TA 8582-PRC**

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
16 Dec 2013	07 Jan 2014	07 Jan 2014	31 Dec 2014	30 Sep 2015	-

Financing Plan/TA Utilization							Cumulative Disbursements	
ADB	Cofinancing	Counterpart				Total	Date	Amount
		Gov	Beneficiaries	Project Sponsor	Others			
300,000.00	0.00	100,000.00	0.00	0.00	0.00	400,000.00	16 Dec 2013	227,225.40

Project Page <https://www.adb.org/projects/47054-001/main>

Request for Information <http://www.adb.org/forms/request-information-form?subject=47054-001>

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