China, People's Republic of: Renewable Energy Development in Qinghai

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Renewable Energy Development in Qinghai</th>
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<tbody>
<tr>
<td>Project Number</td>
<td>44016-012</td>
</tr>
<tr>
<td>Country</td>
<td>People's Republic of China</td>
</tr>
<tr>
<td>Project Status</td>
<td>Closed</td>
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<tr>
<td>Project Type / Modality of Assistance</td>
<td>Technical Assistance</td>
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Source of Funding / Amount

<table>
<thead>
<tr>
<th>Description of Outcome</th>
<th>Impacted Strategic Agendas</th>
<th>Drivers of Change</th>
<th>Sector / Subsector</th>
<th>Gender Equity and Mainstreaming</th>
<th>Strategic Agendas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lowered capacity barriers in planning, design, and management of grid-connected solar PV development in Qinghai Province.</td>
<td>Environmentally sustainable growth</td>
<td>Governance and capacity development</td>
<td>Energy - Energy sector development and institutional reform</td>
<td>No gender elements</td>
<td>Inclusive economic growth</td>
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Project Rationale and Linkage to Country/Regional Strategy

The proposed TA aims at enhancing capacity on grid-connected solar PV system development in Qinghai, by (i) building solid planning, design, and management methodologies, (ii) introducing applicable advanced technologies (power conditioner technology including inverter and energy storage), (iii) providing technical guidance for 10 MW class pilot grid connected solar PV system design, and (iv) identifying cost barriers and mitigation measures.

Impact

The impact of the TA will be accelerated deployment of grid-connected solar PV plants in Qinghai Province.

Project Outcome

<table>
<thead>
<tr>
<th>Description of Outcome</th>
<th>Progress Toward Outcome</th>
<th>Implementation Progress</th>
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</thead>
<tbody>
<tr>
<td>Lowered capacity barriers in planning, design, and management of grid-connected solar PV development in Qinghai Province</td>
<td>To early to assess. The project is on-going, and is scheduled to be completed June 2012.</td>
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Description of Project Outputs
Seminars to introduce advanced technologies for grid-connected solar PV systems
Technical guidance note to strengthen capacity in planning, design, construction, and O&M of grid-connected solar PV system
Improved design of pilot 10 MW grid-connected solar PV power plant
Policy note and workshop to disseminate information about grid-connected solar PV system development to relevant provinces.

Status of Implementation Progress (Outputs, Activities, and Issues)
The TA implementation has been on schedule to date. Inception workshop and seminar were held on 28 April 2011, study tour was completed in October 2011, and interim workshop and seminar were held on 7 December 2011. Submission of draft final report and final workshop will be in April 2012.

Geographical Location

Summary of Environmental and Social Aspects
Environmental Aspects
Involuntary Resettlement
Indigenous Peoples
Stakeholder Communication, Participation, and Consultation
During Project Design
During Project Implementation

Business Opportunities
Consulting Services
The technical assistance (TA) will be implemented over a duration of 14 months. It requires 12 person-months of international and 32 person-months of national consulting services. The consulting firm (including international and local consultants) will be recruited by ADB in accordance with the Guidelines on the Use of Consultants (2007), as amended from time to time) through quality-and cost-base selection to provide the services for implementation, management, and progress monitoring of the TA.

Responsible ADB Officer
Yamamura, Shigeru
Responsible ADB Department
East Asia Department
Responsible ADB Division
Energy Division, EARD
Executing Agencies
Qinghai Provincial Finance Department
30 Huanghe Road, Xining, Qinghai

Timetable
Concept Clearance
01 Sep 2010
Fact Finding 17 Sep 2010 to 20 Sep 2010
MRM
- Approval
10 Nov 2010
Last Review Mission
- Last PDS Update
12 Dec 2011

TA 7643-PRC

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<tr>
<th>Approval</th>
<th>Signing Date</th>
<th>Effectivity Date</th>
<th>Closing</th>
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Financing Plan/TA Utilization

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<tr>
<th>ADB</th>
<th>Cofinancing</th>
<th>Counterpart</th>
<th>Total</th>
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<tbody>
<tr>
<td>Gov</td>
<td>Beneficiaries</td>
<td>Project Sponsor</td>
<td>Others</td>
</tr>
<tr>
<td>500,000.00</td>
<td>200,000.00</td>
<td>140,000.00</td>
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Project Page
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19 May 2019

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