

CONCEPT PAPERS FOR LENDING PRODUCTS

This appendix contains the concept papers for the following lending products.

- | | | |
|----------|--------------|--|
| (i) | Table A2.1: | Fujian Soil Conservation and Rural Development II |
| (ii) | Table A2.2: | Integrated Natural Resources Management in Sanjiang Plains |
| (iii) | Table A2.3: | Coalbed Methane-Greenhouse Gas Abatement (Shanxi) |
| (iv) | Table A2.4: | Liaoning Environment Improvement Project |
| (v) | Table A2.5: | Gansu Clean Energy Development Project |
| (vi) | Table A2.6: | Yichang-Wanzhou (Hubei-Chongqing) Railway |
| (vii) | Table A2.7: | Xi'an Urban Transport |
| (viii) | Table A2.8: | Ningxia Road Development |
| (ix) | Table A2.9: | Fujian Fuzhou Wastewater Treatment II |
| (x) | Table A2.10: | Dryland Farming in Northern Region |
| (xi) | Table A2.11: | Northwest Grid Super High Voltage Transmission |
| (xii) | Table A2.12: | Guangxi Roads Development II |
| (xiii) | Table A2.13: | Hunan Roads Development II |
| (xiv) | Table A2.14: | Chongqing Road Development |
| (xv) | Table A2.15: | Yunnan Dali-Lijiang Railway |
| (xvi) | Table A2.16: | Henan Hai River Wastewater Treatment Project |
| (xvii) | Table A2.17: | Suzhou Urban Environmental Protection Project |
| (xviii) | Table A2.18: | Zhoushan Islands Integrated Infrastructure Development |
| (xix) | Table A2.19: | Integrated Ecosystem Management Project |
| (xx) | Table A2.20: | Ecosystem Development and Environment Protection of Baiyangdian Lake |
| (xxi) | Table A2.21: | Renewable Energy Development Sector Project |
| (xxii) | Table A2.22: | Small Hydropower Rural Electrification Sector Project |
| (xxiii) | Table A2.23: | Gansu Road Development (Fengxiang-Chankou) |
| (xxiv) | Table A2.24: | Sichuan Road Development (Dazhou-Wanyuan) |
| (xxv) | Table A2.25: | Taiyuan-Zhongwei Railway |
| (xxvi) | Table A2.26: | Water Supply and Sewerage System Development in Jilin Province |
| (xxvii) | Table A2.27: | Shandong Haihe Water Pollution Treatment |
| (xxviii) | Table A2.28: | Integrated Xiamen Coastal Environment Improvement |

Table A2.1: Fujian Soil Conservation and Rural Development II

Date: 15 August 2002

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input type="checkbox"/> Nonlending</p> <p><input type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>										
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Agriculture and natural resources Subsector: Industrial crops and agro-industry</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input type="checkbox"/> Others</p> <p><input checked="" type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area(s)</p> <table border="0"> <tr> <td><input checked="" type="checkbox"/> Economic growth</td> <td><input checked="" type="checkbox"/> Human development</td> </tr> <tr> <td><input type="checkbox"/> Gender and development</td> <td><input type="checkbox"/> Good governance</td> </tr> <tr> <td><input checked="" type="checkbox"/> Environmental protection</td> <td><input type="checkbox"/> Private sector development</td> </tr> <tr> <td><input type="checkbox"/> Regional cooperation</td> <td><input type="checkbox"/> Social protection</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> Economic growth	<input checked="" type="checkbox"/> Human development	<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance	<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development	<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection	<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Economic growth	<input checked="" type="checkbox"/> Human development									
<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance									
<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development									
<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection									
<input type="checkbox"/> Other:										
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>										
<p>4. Responsible division/department: Agriculture, Environment, and Natural Resources Division East and Central Asia Department</p>										
<p>5. Responsible ADB officer: S. T. Qadri</p>										
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: Agriculture plays a major role in the economic development of the PRC. Agriculture provides an important source of income directly or indirectly for about 240 million rural families, who account for about 64% of the total population. The sector accounted for about 15% of PRC's GDP in 2001. The Government's Tenth Five-Year Plan (2001–2005) continues to give agriculture top priority.</p> <p>b. Goal and purpose: The goals of the project will be to (i) institutionalize appropriate natural resource management as an integral part of rural development to ensure sustainable agricultural production, (ii) reverse land degradation, and (iii) reduce poverty. All these goals are consistent with ADB's Country Operational Strategy for the PRC. The purpose of the Project will be to promote a rural investment model that integrates soil conservation and poverty reduction into agriculture production systems through partnerships among potential beneficiaries, concerned institutions, and the private sector. Emphasis will be on (i) prioritizing the needs of the poor and vulnerable by focusing interventions on low-income rural areas, (ii) increasing farm productivity, (iii) providing access to markets, (iv) enhancing income-earning opportunities, and (v) reversing environmental degradation in the most vulnerable watersheds.</p> <p>The Project will solve the two main problems constraining rural economic growth: (i) scarcity and poor quality of</p>										

agricultural resources; and (ii) inadequate physical, institutional, and social infrastructure. The Project will directly increase farm incomes through (i) rehabilitation of degraded lands to make them productive and their development sustainable; (ii) expansion of aquaculture in the coastal areas and inland waterways; and (iii) integration of livestock into the farming system with waste used to produce organic manure and biogas. Long-term loans for private enterprises and shareholding companies to develop agricultural markets and process farm produce will indirectly benefit farmers by raising and stabilizing farm-gate prices. Improvements in rural infrastructure will enhance living conditions of farmers by providing them with better access roads, electricity, water supply, flood protection, and extension services.

c. Components, outputs, specific deliverables: (i) **Soil conservation and agricultural development.** Bamboo gardens, forests, orchards, and tea gardens (15,000 ha) will be rehabilitated; 3,000 ha rehabilitation would be integrated with the livestock and bio-gas development. Annual yield of fruits is estimated to increase by 90,000 tons; tea, by 6,400 tons; and bamboo shoots and poles, by 26,000 tons. (ii) **Aquaculture development.** Marine and freshwater fish culture will be developed on the coasts and inland waters. Aquatic production is expected to increase by 10,000 tons. (iii) **Agriculture markets.** Construction of 26 agriculture markets of various scales and rehabilitation of about 10 township-level agriculture markets are planned to improve the circulation of agriculture products. (iv) **Agroprocessing development.** This component will support 13 dragonhead agroprocessing enterprises, which will turn out 100,000 tons of the fruits, vegetables, and other agricultural products. (v) **Small hydropower scheme.** Six schemes will be built and two rehabilitated in rural areas, with total installed capacity of about 22,000 KW. (vi) **Livestock development.** Nine livestock projects, including pig, cattle, sheep, and other farming projects, will be supported and will produce 120,000 tons of livestock products. The component will include rural biogas development. (vii) **Rural water supply.** Twenty-five projects will increase daily water supply by 323 million tons. (viii) **Rural infrastructure.** This component will improve 120 km of rural roads, 25 km of flood protection dikes, and the water supply and drainage system in five townships and villages. Other proposed components include (i) soil conservation and integrated agriculture to provide direct support to individual households; (ii) aquaculture; (iii) agricultural markets; (iv) agro processing; (v) integrated farming; (vi) rehabilitation and development of small hydropower schemes; (vii) rehabilitation and development of rural water supply; (viii) rehabilitation and development of rural infrastructure; and (ix) extension, communication, and training.

d. Expected results and deliverables: Project areas include 10,266 villages, 667 townships, and 50 counties, with a total population of 1.9 million, or 57 percent of the province's population and 60 percent of the rural population. The Project will benefit over 760,000 households, or one fifth of the total in the project area. Over 180,000 beneficiary households (24%) are poor or have incomes less than RMB1,300. Per capita income of participating poor households is expected to increase by RMB1,000 per annum, which would move the vulnerable poor out of poverty, and most of the extremely poor into a higher income bracket. Total investment cost, including contingencies and bank charges, is \$199.5 million, including \$80.4 million of foreign cost or 40% of the total investment cost. The Project has a pretax FIRR of 19.6%, a post tax FIRR of 17.3%, and an EIRR of 24.3%.

In accordance with the Soil Erosion Classification Standard (SL190-96) issued by the Ministry of Water Conservancy, and Fujian data, after implementation of the Project, which will cover slight soil and water erosion-prone areas, and based on the Soil and Water Conservation Method, soil erosion is expected to be reduced by 194,656 tons (84.3% of the total erosion volume) and runoff by $83.16 \times 10^6 \text{ m}^3$ (92.3% of the total runoff in the project areas). Pesticide pollution will be reduced as well.

e. Social or environmental issues or concerns: The project is listed under category B of the Environment Impact Classification Standard issued by State Environmental Protection Agency, except for rural energy development, which is in the C category. The B category means the project will have slight environmental impacts, which can be diminished through mitigation measures. The C category means the project will not have any adverse impact on the environment.

f. Plans for disseminating results/deliverables: Public consultations on the project's social and environmental impacts will be carried out during PPTA. A summary Environmental Impact Assessment and summary resettlement action plan will be available to the public through the ADB website.

7. Proposed executing/implementing agencies: Executing Agency: Fujian Agriculture Commission. Implementing Agency: Fujian Soil Conservation and Rural Development Project, ADB Loan Management Office

8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: The following will help implement the project: departments of agriculture, forestry, aquatic, livestock, energy, and processing; Water Conservancy and Hydropower Design Institute; Fujian Agriculture and Forestry University; Fuzhou University; Fujian Agriculture Science Institute; ANZDEC Limited Consultants, etc.

9. Timetable for assistance design, processing, and implementation

- a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2001
- b. Expected date of submission for approval
 - Lending: May 2003
 - Nonlending (project preparatory): Approved in November 2000
 - Nonlending (other than project preparatory):
- c. Period and duration of assistance{s}
 - Lending: 2003–2008 (5 years)
 - Nonlending:

10. Financing Plan

- a. For lending
 - Ordinary capital resources: \$80 million
 - Asian Development Fund:
 - Other: Government financing: \$53 million; Other financing: \$67 million
- b. For nonlending
 - No resources required, other than ADB staff
 - ADB's administrative budget:
 - Grant TA funds

ADB = Asian Development Bank, CSP = country strategy and program, GDP = gross domestic product, EIRR = economic internal rate of return, FIRR = financial internal rate of return, ha = hectares, km² = square kilometer, kW = kilowatt, m³ = cubic meter, PPTA = project preparatory technical assistance, PRC = People's Republic of China, RMB = Renminbi, SCSP = subregional cooperation strategy and program.

Table A2.2: Sanjiang Plains Wetland Protection Project**Date: 15 August 2002**

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>										
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Agriculture and natural resources Subsector: Agricultural support services</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input type="checkbox"/> Others</p> <p><input checked="" type="checkbox"/> Poverty intervention</p> <p>c. Key thematic areas</p> <table> <tr> <td><input checked="" type="checkbox"/> Economic growth</td> <td><input checked="" type="checkbox"/> Human development</td> </tr> <tr> <td><input type="checkbox"/> Gender and development</td> <td><input type="checkbox"/> Good governance</td> </tr> <tr> <td><input checked="" type="checkbox"/> Environmental protection</td> <td><input type="checkbox"/> Private sector development</td> </tr> <tr> <td><input type="checkbox"/> Regional cooperation</td> <td><input type="checkbox"/> Social protection</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> Economic growth	<input checked="" type="checkbox"/> Human development	<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance	<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development	<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection	<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Economic growth	<input checked="" type="checkbox"/> Human development									
<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance									
<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development									
<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection									
<input type="checkbox"/> Other:										
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>										
<p>4. Responsible division/department: Agriculture, Environment, and Natural Resources Division East and Central Asia Department</p>										
<p>5. Responsible ADB officer: S. T. Qadri</p>										
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: In line with ADB's Country Operational Strategy, the project will promote conservation of wetlands and terrestrial biodiversity in Sanjiang Plains employing integrated approaches to conservation and development to ensure ecologically sustainable production activities, reverse degradation, and reduce poverty. The Sanjiang Plains are bordered by the Heilongjiang River to the north and northwest and Wasuli Jiang River to the east, and are one of the two major floodplains in the Songhua River basin. The plains are home to about 8 million people, stretch over 100,000 km² (over 60% floodplains, and the rest, low hills), and include biologically diverse wetlands of about 2 million ha. The plains are important not only because they absorb floods and regulate flow of the rivers, two of which form borders with the Russian Federation, but also because of the plains are the habitat for numerous species of plants, mammals, birds, reptiles, amphibians, and fish; and support major agricultural products, including crops, livestock, and fish.</p> <p>These wetlands are considered to be the largest in the PRC and globally significant for their unique biological diversity. The wetlands support 1,470 species of plants (including 291 species of grasses) and 1,046 species of invertebrate fauna, extending over 37 ecosystems. The 479 species of vertebrate fauna include 2 of cyclostomes (lampreys), 82 of fish, 11 of amphibians, 13 of reptiles, 325 of birds, and 78 of mammals. Twenty-six vertebrate</p>										

species are classified as requiring national-level protection status; 46 species of birds and 15 species of mammals are protected under the Convention for International Trade in Endangered Species.

Catastrophic floods of the Songhua River in 1998 increased the incidence of poverty in the area by an estimated 50% in one year as the poor are forced to live in high-risk areas and have limited ability to reinstate their earning capacity. Consequently, the Government initiated a flood protection program, including a pledge to halt clearing of forests, protect and enhance the flood storage capacity of wetlands, protect and conserve existing wetlands, and restore their flood absorptive capacity, including that of the Sanjiang Plains. In 1998, the Heilongjiang provincial government decided to suspend all further wetland development.

The communities on the Sanjiang Plains rely on biological resources for food, energy, fodder, and raw materials for consumption and manufacturing. Reeds, fish, and waterfowl are commercially exploited. A close relationship thus exists between community well-being and access to natural resources. Overexploitation of these resources, however, threatens their existence and long-term sustainability and, therefore, the communities' very well-being. Resource degradation is exacerbated by upstream measures to control floods, which increase the flow to and alter the ecology of the wetlands, which are shrinking due to conversion for agriculture, drainage, and irrigation, and have thus become increasingly vulnerable to fires and floods. Restoring resource integrity is of paramount importance for (i) poverty reduction programs, (ii) people's well-being, (iii) biodiversity preservation, and (iv) the area's contribution to long-term regional economic development.

b. Goal and purpose: The goal of the ensuing Project is to ensure ecologically sustainable development integrated with conservation of the wetlands. The purpose of the TA is to prepare an investment project for integrated natural resources management in the Sanjiang Plains based on the potential of the natural resources to support ecologically sustainable economic development, preserve globally significant biological diversity, and enhance the well being of local communities, especially the poor, dependent on these natural resources.

c. Components, outputs, specific deliverables: The ensuing Project will (i) support environmentally sound integrated wetland and terrestrial biodiversity conservation and ecologically sustainable economic development in accordance with Nature Conservation Master Plans and may include restoration of wetlands to enhance their ecological functions and their development for ecotourism and other non-extractive activities, under a system of continuous monitoring and implementation of Forestry Master Plans for reforestation (commercial plantations) and enrichment planting; and (ii) provide credit to support small-scale household based activities that may include agroforestry, bee-keeping and honey production, production of herbal medicinal plants and edible fungi and other non-timber forest products, livestock development, fisheries and aquaculture, and agroprocessing; and (iii) self-employment associated with capacity building through skills development.

The TA will (i) review, analyze and update the findings and recommendations of the Phase 1 report of the Songhua River Flood, Wetland and Biodiversity Management project preparatory TA; (ii) undertake a social assessment (to measure the level of economic well being as a baseline); (iii) identify constraints in the sustainable and integrated management of natural resources; (iv) identify priority sites based on global biodiversity significance, identify threats to priority sites and propose GEF-eligible activities to address threats to conservation of biological diversity; (v) (vi) formulate recommendations for incorporating public participation processes and social improvement strategies, including the identification of alternative livelihood strategies that promote wetland conservation; (vii) assess the existing legal, institutional and policy environment and formulate recommendations for institutional strengthening and capacity building for integrated natural resources management and conservation, and monitoring, eliminating conflicting and/or overlapping responsibilities; (viii) describe biophysical and socioeconomic indicators to monitor changes in the biodiversity and integrity of nature reserves, and social well-being of the local communities; (viii) based on past experience and lessons learned in PRC and other countries in the region, prepare a detailed investment plan for integrated conservation and development in the Sanjiang plains, including co-financing opportunities; (ix) prepare a GEF project brief, including incremental cost analysis.

The PPTA would also undertake economic and financial viability, environmental impacts, mitigation and monitoring and the impact of such investments on income levels of local communities and their contribution to economic development of the province.

d. Expected results and deliverables: Under the TA, the Consultants will produce three reports: (1) Inception Report, which will include a Logical Framework and a Work Program, based on an evaluation of current status of protected areas and related natural resources (forests, fisheries), preliminary analysis of the socio-economic data, and review of other relevant information for the design of an investment project that employs integrated conservation and economic development (ICED) approach to ensure ecological and economic sustainability; (2) A mid-term report (MTR), with an updated Logical Framework and a Work Program providing detailed information and analysis of various options for the investment project; (3) A draft final report (DFR) will include the objectives, scope, social, environmental, and economic analyses, implementation arrangements, cost estimates and financing plan (including co-financing arrangements with GEF and others), and other relevant aspects of the investment project, and an updated Logical Framework; and (4) Final Report of a detailed Feasibility Study, including the Final Logical Framework for the investment project.

e. Social and environmental issues or concerns: Sanjiang Plains are of global ecological significance, and the Project is intended to ensure sustained conservation of biodiversity and other ecosystems. The inhabitants are poor and would benefit from the pro-ecological livelihood and income-generation activities to be developed under the Project during PPTA. A comprehensive environmental and social analysis of the area and stakeholders will be carried out along with exploration of economic development potential.

f. Plans for disseminating results/deliverables: Public consultation on the project's social and environmental impacts will be carried out during PPTA. A summary environmental impact assessment and summary resettlement action plan will be available to the public through the ADB website.

7. Proposed executing/implementing agencies: Heilongjiang Provincial Government

8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance:

Central and provincial governments as well as local communities will be actively involved in PPTA design. Throughout PPTA implementation, local communities will be continuously involved to identify and formulate conservation and livelihood measures.

9. Timetable for assistance design, processing, and implementation

- a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2001
- b. Expected date of submission for approval
 - Lending: March 2003
 - Nonlending (project preparatory): 2002
 - Nonlending (other than project preparatory):
- c. Period and duration of assistance
 - Lending: 2003–2010 (because of the short working season)
 - Nonlending: April–July 2003

10. Financing Plan

- a. For lending
 - Ordinary capital resources: \$20 million
 - Asian Development Fund:
 - Other: Government: \$20 million; Other financing: \$20 million (Global Environment Facility)
- b. For nonlending
 - No resources required, other than ADB staff
 - ADB's administrative budget:
 - Grant TA funds: \$600,000

ADB = Asian Development Bank, CSP = country strategy and program, ha = hectares, km² = square kilometer, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.3: Coal Bed Methane-Greenhouse Gas Abatement (Shanxi)**Date: 15 August 2002**

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input type="checkbox"/> Nonlending</p> <p><input type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>										
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Energy Subsector: Fuel minerals</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input checked="" type="checkbox"/> Others</p> <p><input type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area(s)</p> <table border="0"> <tr> <td><input type="checkbox"/> Economic growth</td> <td><input type="checkbox"/> Human development</td> </tr> <tr> <td><input type="checkbox"/> Gender and development</td> <td><input type="checkbox"/> Good governance</td> </tr> <tr> <td><input checked="" type="checkbox"/> Environmental protection</td> <td><input type="checkbox"/> Private sector development</td> </tr> <tr> <td><input type="checkbox"/> Regional cooperation</td> <td><input type="checkbox"/> Social protection</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>	<input type="checkbox"/> Economic growth	<input type="checkbox"/> Human development	<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance	<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development	<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection	<input type="checkbox"/> Other:	
<input type="checkbox"/> Economic growth	<input type="checkbox"/> Human development									
<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance									
<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development									
<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection									
<input type="checkbox"/> Other:										
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>										
<p>4. Responsible division/department: Infrastructure Division, East and Central Asia Department</p>										
<p>5. Responsible ADB officer: E. Hassing</p>										
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: Coal bed methane (CBM) is a greenhouse gas (GHG) attached to the internal surface of coal seams and released as a result of temperature and pressure changes when coal is mined. As a GHG, CBM is approximately 21 times more potent than carbon dioxide and is also highly explosive and needs to be removed to ensure safe underground mining operations. The is the largest coal producer in the world, with an annual production of about 1.17 billion metric tons in 2000. However, coal mines in the PRC are highly gaseous, and most of the CBM removed is not captured for other use but released into the atmosphere. The removal and drainage of CBM from underground coal mines does not always meet the required standards, and at least 4,500 miners were killed in 2001 due to underground CBM explosions. In 2001, coal mines in the PRC released an estimated 8 billion m³ of CBM into the atmosphere, and that annual CBM emissions will reach 10 billion m³ by 2010. Capture of CBM would generate considerable GHG emission reduction credits, which could be traded internationally under the clean development mechanism.</p> <p>b. Goal and purpose: The Project is to support environmental improvement in Shanxi Province and reduce GHG emissions. The main objective of the Project is to use CBM to reduce GHG emission and upgrade and expand gas distribution.</p>										

<p>c. Components, outputs, specific deliverables: The three subprojects are the (i) pilot project for CBM development subproject; (ii) Sihe Mine CBM development; and (iii) compressed CBM.</p> <p>d. Expected results and deliverables: (i) CBM production and utilization, (ii) upgrading and expansion of gas distribution in selected cities, and (iii) a detailed plan and design of a natural-gas distribution system for Shanxi</p> <p>e. Social or environmental issues or concerns: Social and Environmental Impact Assessments will be carried out during PPTA.</p> <p>f. Plans for disseminating results/deliverables: Public consultation on social and environmental impacts of the Project will be carried out during PPTA. A summary Environmental Impact Assessment and summary resettlement action plan will be available to the public through the ADB website.</p>
<p>7. Proposed executing/implementing agencies: Shanxi Provincial Development Planning Commission</p>
<p>8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: Zhongyuan Petrol Prospection Bureau and China Sino Corporation have completed the feasibility studies for the first subproject. For the second subproject, the China International Engineering Consulting Company evaluated the project.. Shanxi Energy Industry Corporation is responsible for the third subproject.</p>
<p>9. Timetable for assistance design, processing, and implementation</p> <p>a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2001</p> <p>b. Expected date of submission for approval Lending: February 2003 Nonlending (project preparatory): Approved respectively in October 1998 and June 2002 Nonlending (other than project preparatory):</p> <p>c. Period and duration of assistance(s) Lending: 2003–2007 (5 years) Nonlending:</p>
<p>10. Financing Plan</p> <p>a. For lending <input checked="" type="checkbox"/> Ordinary capital resources: \$150 million <input type="checkbox"/> Asian Development Fund: <input checked="" type="checkbox"/> Other: Government financing: \$16 million; Other financing: \$167 million</p> <p>b. For nonlending <input type="checkbox"/> No resources required, other than ADB staff <input type="checkbox"/> ADB's administrative budget: <input checked="" type="checkbox"/> Grant TA funds: \$980,000</p>

ADB = Asian Development Bank, CSP = country strategy and program, m³ = cubic meter, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.4: Liaoning Environmental Improvement

Date: 15 August 2002

<p>1. Type/modality of assistance (double-click on appropriate box)</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>										
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Energy Subsector: Natural gas</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input checked="" type="checkbox"/> Others</p> <p><input type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area(s)</p> <table> <tr> <td><input type="checkbox"/> Economic growth</td> <td><input type="checkbox"/> Human development</td> </tr> <tr> <td><input type="checkbox"/> Gender and development</td> <td><input type="checkbox"/> Good governance</td> </tr> <tr> <td><input checked="" type="checkbox"/> Environmental protection</td> <td><input type="checkbox"/> Private sector development</td> </tr> <tr> <td><input type="checkbox"/> Regional cooperation</td> <td><input type="checkbox"/> Social protection</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>	<input type="checkbox"/> Economic growth	<input type="checkbox"/> Human development	<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance	<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development	<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection	<input type="checkbox"/> Other:	
<input type="checkbox"/> Economic growth	<input type="checkbox"/> Human development									
<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance									
<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development									
<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection									
<input type="checkbox"/> Other:										
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>										
<p>4. Responsible division/department: Infrastructure Division, East and Central Asia Department</p>										
<p>5. Responsible ADB officer(s): B. Q. Lin</p>										
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: Coalbed methane (CBM) is a greenhouse gas (GHG) that is attached to the internal surface of coal seams and is released as a result of temperature and pressure changes when coal is mined. As a GHG it is approximately 21 times more potent than carbon dioxide. CBM is also highly explosive and needs to be removed to ensure safe underground mining operations. The PRC is the largest coal producer in the world, with an annual production of about 1.17 billion metric tons in 2000. However, coalmines in the PRC are highly gaseous, and most of the CBM that is removed is not captured for other use but released into the atmosphere. Also, the removal and drainage of CBM from underground coalmines does not always meet the required standards, and at least 4,500 miners were killed in 2001 due to underground CBM explosions. It is estimated that in 2001, coal mines in the PRC released about 8 billion cubic meters (m³) of CBM into the atmosphere, and that annual CBM emissions will reach 10 billion m³ by 2010. Capture of CBM would also generate considerable GHG emission reduction credits, which could be traded internationally under the clean development mechanism.</p> <p>The Liaoning gas distribution system must be rehabilitated as it has caused frequent gas leaks and explosions and high distribution losses that have harmed urban residents, particularly the poor. Domestic demand for gas has</p>										

increased substantially in recent years due to continued economic growth and the Government's effort to reduce the domestic use of coal. An upgraded and expanded urban gas distribution system will benefit urban residents by meeting incremental gas demand and reducing distribution losses and gas tariffs.

The proposed project will address one of the Government's main environmental concerns in energy development and is consistent with ADB's Country Operational Strategy to help the PRC achieve economic growth in an efficient, equitable, and sustainable manner.

b. Goal and purpose: The Project is to support environmental improvement in Liaoning and reduce GHG emissions. The project's main objective is to use CBM to reduce GHG emission and upgrade and expand gas distribution in 10 cities.

c. Components and outputs: (i) Establishment of commercially viable CBM production and utilization demonstration projects at coal mines in Tiefu, Fushun, and Fuxin; (ii) improvement of the urban gas distribution system in 10 cities in Liaoning; and (iii) planning and design of a natural gas distribution system for Liaoning

d. Expected results and deliverables: (i) CBM production and utilization, (ii) upgrading and expansion of gas distribution in 10 cities, and (iii) a detailed plan and design of a natural gas distribution system for Liaoning

e. Social or environmental issues or concerns: Social and Environmental Impact Assessments will be carried out during PPTA.

f. Plans for disseminating results/deliverables: Public consultation on social and environmental impacts of the Project will be carried out during PPTA. A summary Environmental Impact Assessment and summary resettlement action plan will be available to the public through the ADB website.

7. Proposed executing/implementing agencies: Liaoning Provincial Government

8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance:

State Development Planning Commission, Liaoning provincial and local governments, Workers' Federation, and Women's Federation

9. Timetable for assistance design, processing, and implementation

- a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2002
- b. Expected date of submission for approval
 - Lending: 2003
 - Nonlending (project preparatory): September 2002
 - Nonlending (other than project preparatory):
- c. Period and duration of assistance
 - Lending: 2003–2006 (3 years)
 - Nonlending: 6 months

10. Financing Plan (Indicate possible financing sources and amount of assistance, cost estimates, and financing arrangements)

- a. For lending
 - Ordinary capital resources: \$100 million
 - Asian Development Fund:
 - Other: Government: \$90 million; other financing: \$48 million
- b. For nonlending
 - No resources required, other than ADB staff
 - ADB's administrative budget:
 - Grant TA funds: \$500,000

ADB = Asian Development Bank, CSP = country strategy and program, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.5: Gansu Clean Energy Development Project

Date: 15 August 2002

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p> <input checked="" type="checkbox"/> Project loan</p> <p> <input type="checkbox"/> Program loan</p> <p> <input type="checkbox"/> Sector loan</p> <p> <input type="checkbox"/> Sector development program loan</p> <p> <input type="checkbox"/> Other:</p> <p><input type="checkbox"/> Nonlending</p> <p> <input type="checkbox"/> Project preparatory</p> <p> <input type="checkbox"/> Other than project preparatory</p> <p> <input type="checkbox"/> Economic, thematic, and sector work</p> <p> <input type="checkbox"/> Institutional development</p> <p> <input type="checkbox"/> Other:</p>
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Energy Subsector: Electric power</p> <p>b. For project preparatory and lending, classification</p> <p> <input type="checkbox"/> Core poverty intervention <input type="checkbox"/> Others</p> <p> <input checked="" type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area(s)</p> <p> <input checked="" type="checkbox"/> Economic growth <input type="checkbox"/> Human development</p> <p> <input type="checkbox"/> Gender and development <input type="checkbox"/> Good governance</p> <p> <input checked="" type="checkbox"/> Environmental protection <input type="checkbox"/> Private sector development</p> <p> <input type="checkbox"/> Regional cooperation <input type="checkbox"/> Social protection</p> <p> <input type="checkbox"/> Other:</p>
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>
<p>4. Responsible division/department: Infrastructure Division, East and Central Asia Department</p>
<p>5. Responsible ADB officer: P. Abeygunawardena</p>
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: The PRC is the second largest electricity producer in the world after the United States. By the end of 2001, the total installed capacity was 334 GW and annual electricity generation was 1,465 TWh. Every year since 1988, 11–17 GW have been added to the system. The Government has formulated an ambitious plan to develop the energy sector during the Tenth Five-Year Plan (2001–2005). ADB will focus on improving the efficiency of power supply and reducing adverse environmental impacts associated with energy production, distribution, and use, with poverty reduction as the overarching goal. Gansu is one of the least developed inland areas in the country. In 2001, the per capital GDP was Y4,173—45% lower than the national average. Annual per capita rural income was Y1,508 or 64% of the national average. Provision of electricity to the poor will thus be the project's priority. b. Goal and purpose: Construction of the Xiaogushan hydropower station to (i) utilize the water resources of the Xiaogushan River, (ii) stabilize the existing electricity supply, (iii) meet increasing electricity demand, (iv) accelerate electrification of the countryside, and (v) reduce poverty</p>

c. Components, outputs, specific deliverables: The hydropower plant will consist of (i) a regulating sluice gate; (ii) a diversion tunnel; (iii) powerhouse buildings; and (iv) the required substation, transformers, and grid connections. The hydropower station's installed capacity will be 90 MW and annual energy generation will be about 371 million kWh. Total investment will be about Y680 million. The project will have a rural road development and poverty reduction component. The total construction period will be about 3 years.

d. Expected results and deliverables: The predicted selling price of electricity will be about Y0.289/kWh. Annual sales income of electricity will be Y100 million and the internal financial profit rate will be 10%.

e. Social or environmental issues or concerns: No resettlement will be necessary. Expected poverty reduction is substantial. No major adverse environmental impacts are envisaged.

f. Plans for disseminating results/deliverables: A participatory process will be used to develop project feasibility studies. Results of various investigations will be disseminated as required. For example, the summary Environmental Impact Assessment will be placed in the ADB website, and stakeholders will be consulted to identify project benefits.

7. Proposed executing/implementing agencies: The Executing Agency will be the Gansu Provincial Finance Bureau, on behalf of the Gansu provincial government. The Implementing Agency will be the Xiaogushan Hydropower Co. Ltd. of Zhangye, Gansu.

8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: The Project is a priority investment activity of the Zhangye prefecture government and is strongly supported by the Planning Commission, Finance Bureau, Environment Protection Bureau, Department of Water Conservancy, and Design and Research Institute for Surveying Water and Electricity of Gansu Province. Rural communities, farmers, households in the project area, and various other stakeholders have been consulted. They will be involved in finalizing the feasibility studies.

9. Timetable for assistance design, processing, and implementation

- a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2001
- b. Expected date of submission for approval
 - Lending: March 2003
 - Nonlending (project preparatory): Approved in September 2001
 - Nonlending (other than project preparatory):
- c. Period and duration of assistance(s)
 - Lending: 2002-2005 (3 years, including project preparation)
 - Nonlending:

10. Financing Plan

- a. For lending
 - Ordinary capital resources: \$50 million
 - Asian Development Fund:
 - Other: Government financing: \$35 million
- b. For nonlending
 - No resources required, other than ADB staff
 - ADB's administrative budget:
 - Grant TA funds: \$950,000

ADB = Asian Development Bank, CSP = country strategy and program, GW = gigawatt, kWh = kilowatt-hour, MW = megawatt, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program, TWh = terawatt-hour.

Table A2.6: Yichang-Wanzhou (Hubei-Chongqing) Railway**Date: 15 August 2002**

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input type="checkbox"/> Nonlending</p> <p><input type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Transport and communications Subsector: Railways</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input checked="" type="checkbox"/> Others</p> <p><input type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area(s)</p> <p><input checked="" type="checkbox"/> Economic growth</p> <p><input type="checkbox"/> Gender and development</p> <p><input type="checkbox"/> Environmental protection</p> <p><input type="checkbox"/> Regional cooperation</p> <p><input type="checkbox"/> Other:</p> <p><input type="checkbox"/> Human development</p> <p><input type="checkbox"/> Good governance</p> <p><input type="checkbox"/> Private sector development</p> <p><input type="checkbox"/> Social protection</p>
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>
<p>4. Responsible division/department: Infrastructure Division, East and Central Asia Department</p>
<p>5. Responsible ADB officer: H. Sakurai</p>
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: The PRC's railway system comprises 58,000 km of the state-owned national railway, and 10,000 km of local railways. The railway system is inadequate given the location of the population, natural resources, and industries in the PRC, and constrains economic growth. Vast inland areas in the central and western parts of the country do not have any rail transport. The Government's Railway Development Plan for 1998-2004 gives priority to unserved areas, particularly linking poor inland provinces in western and central PRC with the more prosperous coastal areas. The project has high priority under the Tenth Five-Year Plan and supports the Government's Western Region Development Strategy.</p> <p>b. Goal and purpose: The Project will promote pro-poor economic growth by reducing the bottleneck in the major east-west corridor of the PRC railway network and by promoting the local economy by making safer, faster, and more affordable transportation available and accessible.</p> <p>c. Components, outputs, specific deliverables: The Project envisages the construction of a 377.5 km class-I single-track electrified railway linking Yichang in Hubei Province, and Wanzhou in Chongqing Municipality. The</p>

topography is highly mountainous in karst structure. The 131 tunnels are 179 km, or 47% of the total length. Three extra-large tunnels are over 10 km. The 184 bridges are 44.24 km; 11 extra-large bridges are over 500 m. The project railway will be connected to the ongoing ADB-financed Daxian–Wanxian Railway in Wanzhou.

d. Expected results and deliverables: The corridor distance between Chongqing and Wuhan will be reduced by 150 km, which will lower the cost of transportation from Shanghai to the western region. The project area is not served by railway due to the difficult terrain. Lack of access to markets has caused significant poverty. Construction and operation of the railway will create significant job opportunities in the project area. Local industries and small businesses will develop along the railway. Local people will have access to bigger and more distant markets. Prices of goods and services in the project area are expected to go down. Overall, the project will improve the standard of living and quality of life of the people.

e. Social or environmental issues or concerns: Involuntary resettlement is one of a few negative impacts of the Project. In the on-route eight counties, approximately 25,340 people will be affected by the temporary and permanent land acquisition and property losses; 40 percent of those affected will be ethnic minorities. Certain counties in the project area have a relatively high concentration of ethnic minorities (about 20% of the total population of the on-route counties, and over 50% in certain other counties). The project area has typical karst rock formations, which are prone to faults and landslides. Underground caves and water and gas reserves are common. Yichang crossing on the Yangtze River is in a designated conservation area for protected Chinese sturgeon.

f. Plans for disseminating results/deliverables: Public consultation on social and environmental impacts of the Project will be carried out during PPTA. A summary environmental impact assessment and summary resettlement action plan will be available to the public through the ADB website.

7. Proposed executing/implementing agencies: Ministry of Railways

8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance:

The poor population in the project area is significant: 47% of the villages are officially designated as poor, 88% of the project area is rural, and more than 30% of the population has an annual net income of Y1,000. Extensive socioeconomic surveys and public consultation during PPTA will help the project serve the poor directly and effectively.

9. Timetable for assistance design, processing, and implementation

- a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2001
- b. Expected date of submission for approval
 - Lending: February 2003
 - Nonlending (project preparatory): Approved in May 2002
 - Nonlending (other than project preparatory):
- c. Period and duration of assistance(s)
 - Lending: 2002-2008 (7 years, including project preparation)
 - Nonlending:

10. Financing Plan

- a. For lending
 - Ordinary capital resources: \$500 million
 - Asian Development Fund:
 - Other: Government financing: \$1,427 million
- b. For nonlending
 - No resources required, other than ADB staff
 - ADB's administrative budget:
 - Grant TA funds: \$250,000

ADB = Asian Development Bank, CSP = country strategy and program, km = kilometer, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.7: Xi'an Urban Transport

Date: 15 August 2002

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p> <input checked="" type="checkbox"/> Project loan</p> <p> <input type="checkbox"/> Program loan</p> <p> <input type="checkbox"/> Sector loan</p> <p> <input type="checkbox"/> Sector development program loan</p> <p> <input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p> <input checked="" type="checkbox"/> Project preparatory</p> <p> <input type="checkbox"/> Other than project preparatory</p> <p> <input type="checkbox"/> Economic, thematic, and sector work</p> <p> <input type="checkbox"/> Institutional development</p> <p> <input type="checkbox"/> Other:</p>										
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Transport and communications Subsector: Roads and road transport</p> <p>b. For project preparatory and lending, classification</p> <p> <input type="checkbox"/> Core poverty intervention <input checked="" type="checkbox"/> Others</p> <p> <input type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area(s)</p> <table border="0"> <tr> <td><input checked="" type="checkbox"/> Economic growth</td> <td><input checked="" type="checkbox"/> Human development</td> </tr> <tr> <td><input type="checkbox"/> Gender and development</td> <td><input type="checkbox"/> Good governance</td> </tr> <tr> <td><input type="checkbox"/> Environmental protection</td> <td><input type="checkbox"/> Private sector development</td> </tr> <tr> <td><input type="checkbox"/> Regional cooperation</td> <td><input type="checkbox"/> Social protection</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> Economic growth	<input checked="" type="checkbox"/> Human development	<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance	<input type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development	<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection	<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Economic growth	<input checked="" type="checkbox"/> Human development									
<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance									
<input type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development									
<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection									
<input type="checkbox"/> Other:										
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>										
<p>4. Responsible division/department: Infrastructure Division, East and Central Asia Department</p>										
<p>5. Responsible ADB officer: M. Ojira</p>										
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: The PRC's rapid economic growth has been accompanied by urbanization over the last decade. The urban population increased from 300 million (26.4% of the total population) in 1990 to 481 million (37.7%) in 2001. More than half of PRC's population will live in cities by 2030. Vehicle ownership is projected to increase from 18 per 1,000 people in 2000 by a factor of more than five in 2020. Urban traffic congestion has become a serious problem, jeopardizing the productivity of large cities. The Project is consistent with ADB's Country Operational Strategy for the PRC, which gives priority to removing infrastructure constraints, supporting policy and institutional reforms, and developing urban transport.</p> <p>b. Goal and purpose: Enhance productivity and efficiency in Xi'an Municipality by (i) reducing urban traffic congestion by augmenting road capacity; (ii) improving urban road management and maintenance; (iii) improving public transport services; and (iv) strengthening coordination between multiple agencies responsible for urban transport policy, planning, regulations, and operations</p> <p>c. Components, outputs, specific deliverables: Construction of a 74 km ring road and associated access roads, supported by complementary components for traffic management, road safety, road maintenance, vehicle</p>										

<p>emissions, public transport, and nonmotorized transport</p> <p>d. Expected results and deliverables: (i) Reduced traffic congestion leading to less air pollution, fewer traffic accidents, reduced transport costs, including vehicle operating costs and time costs; and (ii) strengthened institutional capacity of urban transport agencies</p> <p>e. Social or environmental issues or concerns: Land acquisition will affect about 30,000 people and impact on the environment. Adequate measures will be in place to mitigate adverse impacts.</p> <p>f. Plans for disseminating results/deliverables: The project's main feature is stakeholder participation in project planning, design, and implementation, which is ongoing as part of the feasibility study, Environmental Impact Assessment (EIA), and resettlement planning. A summary EIA and summary resettlement action plan will be available to the public through the ADB website.</p>
<p>7. Proposed executing/implementing agencies: Xi'an Urban and Rural Construction Commission</p>
<p>8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: The assistance to the Project was identified by the Government, and project beneficiaries are involved in project preparation, design, and implementation.</p>
<p>9. Timetable for assistance design, processing, and implementation</p> <p>a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2001</p> <p>b. Expected date of submission for approval Lending: Aug 2003 Nonlending (project preparatory): 2002 Nonlending (other than project preparatory):</p> <p>c. Period and duration of assistance{s} Lending: 2003–2008 (5 years) Nonlending: 2002–2003</p>
<p>10. Financing Plan</p> <p>a. For lending <input checked="" type="checkbox"/> Ordinary capital resources: \$250 million <input type="checkbox"/> Asian Development Fund: <input checked="" type="checkbox"/> Other: Government financing: \$225 million; Other financing: \$240 million</p> <p>b. For nonlending <input type="checkbox"/> No resources required, other than ADB staff <input type="checkbox"/> ADB's administrative budget: <input checked="" type="checkbox"/> Grant TA funds: \$750,000</p>

ADB = Asian Development Bank, CSP = country strategy and program, km = kilometer, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.8: Ningxia Roads Development**Date: 15 August 2002**

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input type="checkbox"/> Nonlending</p> <p><input type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Transport and communications Subsector: Roads and road transport</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input type="checkbox"/> Other</p> <p><input checked="" type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area(s)</p> <p><input checked="" type="checkbox"/> Economic growth <input type="checkbox"/> Human development</p> <p><input type="checkbox"/> Gender and development <input type="checkbox"/> Good governance</p> <p><input type="checkbox"/> Environmental protection <input type="checkbox"/> Private sector development</p> <p><input type="checkbox"/> Regional cooperation <input type="checkbox"/> Social protection</p> <p><input type="checkbox"/> Other:</p>
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>
<p>4. Responsible division/department: Infrastructure Division, East and Central Asia Department</p>
<p>5. Responsible ADB officer: E. Kwon</p>
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: The road network grew from 1.16 million km in 1995 to 1.40 million km in 2000, equivalent to an annual increase of 48,000 km. The expressway increased from 2,141 km to 16,314 km during the same period and reached 19,437 km in 2001, but its quality and extent are still underdeveloped. Despite the Government's efforts to increase the country's transport capacity, serious constraints and bottlenecks remain, especially in the road sector. ADB's Country Operational Strategy for the PRC gives high priority to removing infrastructure constraints and supporting policy and institutional reforms. The transport sector is identified as a priority.</p> <p>Ningxia is one of the least developed inland areas in the country. In 2000, the per capita GDP was Y4,482–35 percent short of the national average. In 2000, Ningxia roads totaled 10,171 km, with a density of 19.6 km per 100 km² – seventh lowest among the PRC's administrative regions. Around 83 percent of the roads fall below class III, which causes traffic congestion and spiraling transport cost. A road network, particularly in southern Ningxia, is urgently needed for economic growth and poverty reduction. The proposed expressway is in southern Ningxia, where accessibility is poor and severe poverty is widespread. Annual per capita rural income in 2000 was Y1,073 or 47.6 percent of the national average. Due to the area's isolation and the high cost of motorized transport, most farmers in the mountainous poor villages do not have adequate access to markets and have little mobility, which impedes not</p>

only higher agricultural productivity but also villagers' access to jobs in towns.

The proposed expressway constitutes one of eight grand west corridors— a 185 km section of the Yinchuan–Wuhan corridor, which the Government will build first. The proposed expressway is expected to speed up economic growth in Ningxia, spur interregional trade and cultural exchange, and reduce poverty in the project area.

b. Goal and purpose: (i) Promote the development of road infrastructure to improve mobility and road transport efficiency, and thereby stimulate economic activity; (ii) integrate remote areas in southern Ningxia into the regional economic centers, and thus help reduce poverty in the project area; (iii) support poverty reduction programs in Ningxia; and (iv) assist in capacity building in expressway financing, design, construction, and management

c. Components, outputs, specific deliverables: The Project will build a 185 km expressway from Tongxin to Yanchuanzi. FIRR is expected at 7.78%..

d. Expected results and deliverables: (i) Improve road transport conditions and minimize environment pollution, (ii) improve road safety and reduce travel cost, and (iii) promote economic cooperation between the coastal area and the western region.

e. Social or environmental issues or concerns: Resettlement will be addressed and environmental impact assessment (EIA), including protection of the Liupanshan Natural Reserve Area, will be done during PPTA.

f. Plans for disseminating results/deliverables: Public consultation on social and environmental impacts of the Project will be held during PPTA. A summary EIA and summary resettlement action plan will be available to the public through the ADB website.

7. Proposed executing/implementing agencies: Ningxia Yinwu Highway Engineering Construction Headquarters

8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance:

The project proposal and feasibility study have been submitted to the State Development Planning Commission and Ministry of Communications, which has approved the feasibility study. The draft resettlement plan and environment assessment report have been submitted to ADB. The environment impact report and draft project design will be completed by June 2002.

9. Timetable for assistance design, processing, and implementation

- a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2001
- b. Expected date of submission for approval
 - Lending: Apr 2003
 - Nonlending (project preparatory): Approved in November 2001
 - Nonlending (other than project preparatory):
- c. Period and duration of assistance
 - Lending: 2003-2007 (4 years and 4 months)
 - Nonlending:

10. Financing Plan

- a. For lending
 - Ordinary capital resources: \$250 million
 - Asian Development Fund:
 - Other: Government financing: \$180 million; Other financing: \$200 million
- b. For nonlending
 - No resources required, other than ADB staff
 - ADB's administrative budget:
 - Grant TA funds: \$600,000

ADB = Asian Development Bank, CSP = country strategy and program, FIRR = financial internal return rate, GDP = gross domestic product, km² = square kilometer, PPTA = project preparatory technical assistance, SCSP = subregional cooperation strategy and program.

Table A2.9: Fujian Fuzhou Wastewater Treatment II

Date: 15 August 2002

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p> <input checked="" type="checkbox"/> Project loan</p> <p> <input type="checkbox"/> Program loan</p> <p> <input type="checkbox"/> Sector loan</p> <p> <input type="checkbox"/> Sector development program loan</p> <p> <input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p> <input checked="" type="checkbox"/> Project preparatory</p> <p> <input type="checkbox"/> Other than project preparatory</p> <p> <input type="checkbox"/> Economic, thematic, and sector work</p> <p> <input type="checkbox"/> Institutional development</p> <p> <input type="checkbox"/> Other:</p>										
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Social infrastructure Subsector: Water Supply and Sanitation</p> <p>b. For project preparatory and lending, classification</p> <p> <input type="checkbox"/> Core poverty intervention <input type="checkbox"/> Others</p> <p> <input checked="" type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area(s)</p> <table border="0"> <tr> <td><input type="checkbox"/> Economic growth</td> <td><input checked="" type="checkbox"/> Human development</td> </tr> <tr> <td><input type="checkbox"/> Gender and development</td> <td><input type="checkbox"/> Good governance</td> </tr> <tr> <td><input checked="" type="checkbox"/> Environmental protection</td> <td><input type="checkbox"/> Private sector development</td> </tr> <tr> <td><input type="checkbox"/> Regional cooperation</td> <td><input type="checkbox"/> Social protection</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>	<input type="checkbox"/> Economic growth	<input checked="" type="checkbox"/> Human development	<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance	<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development	<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection	<input type="checkbox"/> Other:	
<input type="checkbox"/> Economic growth	<input checked="" type="checkbox"/> Human development									
<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance									
<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development									
<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection									
<input type="checkbox"/> Other:										
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>										
<p>4. Responsible division/department: Social Sectors Division, East and Central Asia Department</p>										
<p>5. Responsible ADB officer: A. Leung</p>										
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: Under the Government's environmental policy, all municipalities are required to treat 70% of their wastewater by 2010. Fuzhou City, Fujian Province, has been proactive in improving the urban environment by expanding the city's wastewater treatment facilities through Loan 1636-PRC, approved in 1998. An ongoing project is being successfully implemented, and upon completion in 2003, it will provide clean drinking water and better sanitation facilities to about 40 percent of the population. The Government has requested a second loan to finance the second wastewater treatment project to expand the coverage of wastewater treatment to cover the entire city.</p> <p>Environment quality improvement and environmental and natural resource management is among ADB's strategic objectives in the PRC. It is expected that by 2020 Fuzhou City will generate in excess of 450,000 tons of wastewater per day into the Neihe and Min River. In parallel with the proposed physical infrastructure, policy dialogue will continue to pursue in the following areas: (i) integrated environment planning, (ii) integrated water and wastewater management, (iii) tariff reform and regulatory formulation, (vi) financing mechanism reform, (v) management enterprise reform, (vi) institutional strengthening, (vii) urban poor and social program, and (viii) clean production technologies for industries. The proposed Project will be pro-poor through its environmental protection, support of</p>										

economic growth, and provisions to ensure access to sanitation for the poor. Environmental improvement is qualitatively linked to poverty reduction.

b. Goal and purpose: Improve the urban environment and public health in Fuzhou by increasing the coverage of wastewater treatment from 40 percent to 100 percent, and to improve the quality of the surface water. Related objectives include (i) creating or strengthening the capacity of municipal sewerage companies to be efficient and managed on commercial principles; (ii) improving cost recovery from users through an improved tariff structure, with gradual increases to achieve full cost recovery; and (iii) strengthening water resource management.

c. Components, outputs, specific deliverables: (i) Expansion of the wastewater treatment facility that is being built and funded by ADB; (ii) construction of a new wastewater plant to serve the southern part of the city; and (iii) an inland river rehabilitation program to control and upgrade the quality of surface water. The Project will also include pumping stations and a sewerage network for the two wastewater treatment plants.

d. Expected results and deliverables: The expected result is an improved environment and wastewater treatment for the entire city. The output will include (i) expansion of an existing wastewater treatment plant funded by ADB, (ii) an associated sewage collection network, and (iii) a new wastewater treatment plant and associated sewerage network serving southern Fuzhou. The inland river rehabilitation program will improve surface water quality and make the environment more pleasant and healthier. The project will support poverty reduction directly and indirectly by creating jobs, reducing risk of job loss from industry closures, promoting sustainable economic development where the poor are likely to gain, such as tourism and agriculture. Due to their vulnerability to poor environmental conditions, the poor will benefit from improvements in living conditions and environmental quality.

e. Social or environmental issues or concerns: Social impacts will be determined and analyzed, and resettlement impacts, if any, will be assessed during TA implementation. An Environmental Impact Assessment (EIA) will be done during PPTA.

f. Plans for disseminating results/deliverables: Public consultation on social and environmental impacts of the Project will be carried out during PPTA. The summary EIA and summary resettlement action plan will be available to the public through the ADB website.

7. Proposed executing/implementing agencies: The executing agency will be Fuzhou Municipal Government or Fuzhou Planning Commission. The implementing agency for the wastewater treatment component will be the two wastewater treatment companies, and the implementing agency for the inland river rehabilitation component will be the Fuzhou Planning Commission.

8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: Social surveys and community consultation will be part of PPTA.

9. Timetable for assistance design, processing, and implementation

- a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2001
- b. Expected date of submission for approval
 - Lending: 2003
 - Nonlending (project preparatory): December 2002
 - Nonlending (other than project preparatory):
- c. Period and duration of assistance(s)
 - Lending: 2004-2008
 - Nonlending:

10. Financing Plan

- a. For lending
 - Ordinary capital resources: \$100 million
 - Asian Development Fund:
 - Other: Government financing: \$65 million; Other financing: \$80 million
- b. For nonlending
 - No resources required, other than ADB staff
 - ADB's administrative budget:
 - Grant TA funds: \$600,000

ADB - Asian Development Bank, CSP = country strategy and program, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.10: Dryland Farming in Northern Region**Date: 15 August 2002**

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p> <input checked="" type="checkbox"/> Project loan</p> <p> <input type="checkbox"/> Program loan</p> <p> <input type="checkbox"/> Sector loan</p> <p> <input type="checkbox"/> Sector development program loan</p> <p> <input type="checkbox"/> Other:</p> <p><input type="checkbox"/> Nonlending</p> <p> <input type="checkbox"/> Project preparatory</p> <p> <input type="checkbox"/> Other than project preparatory</p> <p> <input type="checkbox"/> Economic, thematic, and sector work</p> <p> <input type="checkbox"/> Institutional development</p> <p> <input type="checkbox"/> Other:</p>
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Agriculture and natural resources Subsector: Irrigation and rural development</p> <p>b. For project preparatory and lending, classification</p> <p> <input type="checkbox"/> Core poverty intervention <input type="checkbox"/> Others</p> <p> <input checked="" type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area(s)</p> <p> <input checked="" type="checkbox"/> Economic growth <input type="checkbox"/> Human development</p> <p> <input type="checkbox"/> Gender and development <input type="checkbox"/> Good governance</p> <p> <input checked="" type="checkbox"/> Environmental protection <input type="checkbox"/> Private sector development</p> <p> <input type="checkbox"/> Regional cooperation <input type="checkbox"/> Social protection</p> <p> <input type="checkbox"/> Other:</p>
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>
<p>4. Responsible division/department: Agriculture, Environment, and Natural Resources Division East and Central Asia Department</p>
<p>5. Responsible ADB officer: J. Tokeshi</p>
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: Agriculture is an important source of income directly or indirectly for about 240 million rural families, who make up about 64 percent of the total population. The sector accounted for about 15% of PRC's GDP in 2001. The Tenth Five-Year Plan (2001-2005) will continue to give agriculture top priority. To promote agriculture and natural resource management as integral to rural development to ensure sustainable agricultural production, reverse land degradation, and reduce poverty is consistent with ADB's Country Operational Strategy.</p> <p>b. Goal and purpose: (i) Promote dryland farming in dryland and half-dryland areas in northern PRC to improve agricultural sustainable development capacity, and (ii) enhance agricultural productivity and farmers' income</p> <p>c. Components, outputs, specific deliverables: (i) Develop drought-resistant and water conservancy farming infrastructure, crop and plant cultivation, and breeding; (ii) promote water conservancy and planting techniques; and (iii) establish a dryland farming technique service system and ecotypic farming. d.</p> <p>Expected results and deliverables: Farmers' incomes will increase as agricultural productivity increases.</p>

Water conservancy and other agricultural techniques will help maintain and enhance land use, protect groundwater resources from over exploitation, decrease soil erosion, and improve the environment. The small marsh gas systems will improve farmers' quality of life and the environment.

e. Social or environmental issues or concerns: The Project has no resettlement issues.

f. Plans for disseminating results/deliverables: Public consultation on the project's social and environmental impacts will be carried out during PPTA. The summary Environmental Impact Assessment will be available to the public through the ADB website.

7. Proposed executing/implementing agencies: Agriculture Project Division, Foreign Capital Utilization Department, Ministry of Agriculture

8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: The initial project proposal is completed and each province has reported on the construction details. The following will participate in this project: Henan Provincial Department of Agriculture, Shandong Provincial Department of Agriculture, Shanxi Provincial Department of Agriculture, Liaoning Provincial Department of Agriculture, and Gansu Provincial Department of Agriculture.

9. Timetable for assistance design, processing, and implementation

- a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2001
- b. Expected date of submission for approval
 - Lending: March 2004
 - Nonlending (project preparatory): Approved in April 2002
 - Nonlending (other than project preparatory):
- c. Period and duration of assistance(s)
 - Lending: 2004-2009 (5 years, including project preparatory assistance)
 - Nonlending:

10. Financing Plan

- a. For lending
 - Ordinary capital resources: \$100 million
 - Asian Development Fund:
 - Other: Government financing: \$100 million
- b. For nonlending
 - No resources required, other than ADB staff
 - ADB's administrative budget:
 - Grant TA funds: \$450,000

ADB = Asian Development Bank, CSP = country strategy and program, GDP = gross domestic product, PPTA = project preparatory technical assistance, SCSP = subregional cooperation strategy and program.

Table A2.11: Northwest Grid Super High Voltage Transmission Project**Date: 15 August 2002**

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>										
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Energy Subsector: Electric power</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input checked="" type="checkbox"/> Others</p> <p><input type="checkbox"/> Poverty intervention</p> <p>c. Key thematic areas</p> <table border="0"> <tr> <td><input checked="" type="checkbox"/> Economic growth</td> <td><input type="checkbox"/> Human development</td> </tr> <tr> <td><input type="checkbox"/> Gender and development</td> <td><input type="checkbox"/> Good governance</td> </tr> <tr> <td><input type="checkbox"/> Environmental protection</td> <td><input type="checkbox"/> Private sector development</td> </tr> <tr> <td><input type="checkbox"/> Regional cooperation</td> <td><input type="checkbox"/> Social protection</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> Economic growth	<input type="checkbox"/> Human development	<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance	<input type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development	<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection	<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Economic growth	<input type="checkbox"/> Human development									
<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance									
<input type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development									
<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection									
<input type="checkbox"/> Other:										
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>										
<p>4. Responsible division/department: Infrastructure Division, East and Central Asia Department</p>										
<p>5. Responsible ADB officer: B. Q. Lin</p>										
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: The PRC is the second largest electricity producer in the world after the United States. By the end of 2001, the total installed capacity was 334 GW and annual electricity generation was 1,465 TWh. Every year since 1988, 11–17 GW have been added to the system. The Government has formulated an ambitious plan to develop the energy sector during the Tenth Five-Year Plan (2001-2005). The Project will enable ADB to expand the scope of its power sector assistance to cover the development of regional interconnection and the western region, thereby reducing poverty, protecting the environment, and improving people's quality of life.</p> <p>b. Goal and purpose: Improve the power transmission capacity between Shaanxi and Gansu so that thermal power and hydropower operations complement each other and are optimized</p> <p>c. Components, outputs, specific deliverables: (i) 530 km of 750 kV transmission lines; and (ii) two substations with a capacity of 1,500 MVA .</p> <p>d. Expected results and deliverables: 750 kV transmission facilities to connect Shaanxi and Gansu and improve the efficiency of power transmission</p>										

<p>e. Social or environmental issues or concerns: Resettlement issues will be assessed.</p> <p>f. Plans for disseminating results/deliverables: Public consultation on social and environmental impacts of the Project will be carried out during PPTA. A summary Environmental Impact Assessment and resettlement action plan (if any) will be available to the public through the ADB website.</p>
<p>7. Proposed executing/implementing agencies: Southwest Branch of the State Power Corporation</p>
<p>8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: State Development Planning Commission, State Power Corporation, and provincial governments</p>
<p>9. Timetable for assistance design, processing, and implementation</p> <p>a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2001</p> <p>b. Expected date of submission for approval Lending: 2004 Nonlending (project preparatory): 2002 Nonlending (other than project preparatory):</p> <p>c. Period and duration of assistance Lending: 2004-2006 (3 years) Nonlending: 6 months</p>
<p>10. Financing Plan</p> <p>a. For lending <input checked="" type="checkbox"/> Ordinary capital resources: \$100 million <input type="checkbox"/> Asian Development Fund: <input checked="" type="checkbox"/> Other: Government financing: \$130 million</p> <p>b. For nonlending <input type="checkbox"/> No resources required, other than ADB staff <input type="checkbox"/> ADB's administrative budget: <input checked="" type="checkbox"/> Grant TA funds: \$400,000</p>

ADB = Asian Development Bank, CSP = country strategy and program, GW = gigawatt, kV = kilovolt, MVA = megavolt-ampere, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program, TWh = terawatt-hour.

Table A2.12: Guangxi Roads Development II**Date: 15 August 2002**

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>										
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Transport and communications Subsector: Roads and road transport</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input type="checkbox"/> Others</p> <p><input checked="" type="checkbox"/> Poverty intervention</p> <p>c. Key thematic areas</p> <table> <tr> <td><input checked="" type="checkbox"/> Economic growth</td> <td><input type="checkbox"/> Human development</td> </tr> <tr> <td><input type="checkbox"/> Gender and development</td> <td><input type="checkbox"/> Good governance</td> </tr> <tr> <td><input type="checkbox"/> Environmental protection</td> <td><input type="checkbox"/> Private sector development</td> </tr> <tr> <td><input checked="" type="checkbox"/> Regional cooperation</td> <td><input type="checkbox"/> Social protection</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> Economic growth	<input type="checkbox"/> Human development	<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance	<input type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development	<input checked="" type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection	<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Economic growth	<input type="checkbox"/> Human development									
<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance									
<input type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development									
<input checked="" type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection									
<input type="checkbox"/> Other:										
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>										
<p>4. Responsible division/department: Infrastructure Division, East and Central Asia Department</p>										
<p>5. Responsible ADB officer: K. Jraiw</p>										
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: The road network grew from 1.16 million km in 1995 to 1.40 million km in 2000, equivalent to an annual increase of 48,000 km. Of this, the expressway length increased from 2,141 km to 16,314 km during the same period and reached 19,437 km in 2001. But, it is still underdeveloped in both quality and extent. Despite the Government's efforts to increase the country's transport capacity, serious constraints and bottlenecks remain, especially in the road sector. ADB's Country Operational Strategy for the PRC gives priority to removing infrastructure constraints and supporting policy and institutional reforms. Transport sector is identified as a priority sector. The proposed Project will be in southwest PRC and is an important component of the Western Region Development Strategy. The project area covers some PRC official poverty counties, such as Pingguo and Tiandong Counties. Since Guangxi shares a common boarder with Viet Nam, the Project can contribute the economic activities in the Greater Mekong Subregion (GMS).</p> <p>b. Goal and purpose: (i) Improve living conditions of minority communities in the Project area and reduce poverty, (ii) promote the sustainable development of natural resources, and (iv) promote tourism and trade and the GMS.</p>										

c. Components, outputs, specific deliverables: (i) A four-lane 188.6 km expressway from Nanning (Tanluo) to Baise; (ii) 8.4 km connection roads at Pingguo, Enlin, Tiandong, and Tianyang, based on grade-II highway standards; (iii) auxiliary facilities, such as a toll station, management station, and service areas; (iv) equipment procurement; and (v) training and institutional capacity building.

d. Expected results and deliverables: (i) Improve road transport conditions and minimize environment pollution, (ii) improve road safety and reduce travel cost, and (iii) promote economic cooperation between the coastal area and the western region.

e. Social or environmental issues or concerns: Poverty reduction, road safety, traffic congestion, land acquisition, resettlement, and environment impacts will be assessed during PPTA.

f. Plans for disseminating results/deliverables: Public consultation on the project's social and environmental impacts will be carried out during PPTA. A summary Environmental Impact Assessment and summary resettlement action plan will be available to the public through the ADB website.

7. Proposed executing/implementing agencies: Guangxi Communications Department

8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance:

Guangxi Communications Planning, Reconnaissance, and Design Institute is in charge of the feasibility study report; Guangxi International Engineering Consulting Company, of pre-appraisal of the feasibility study report (FSR); Highway Scientific Institute of Ministry of Communications, of the Environmental Impact Assessment report; and Guangxi Development and Planning Commission, of the FSR, to be submitted to the State Development Planning Commission.

9. Timetable for assistance design, processing, and implementation

- a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2001
- b. Expected date of submission for approval
 - Lending: 2004
 - Nonlending (project preparatory): 2002
 - Nonlending (other than project preparatory):
- c. Period and duration of assistance(s)
 - Lending: 2004–2008 (4 years)
 - Nonlending: 2002–2003 (6 months)

10. Financing Plan

- a. For lending
 - Ordinary capital resources: \$200 million
 - Asian Development Fund:
 - Other: Government financing: \$200 million; Other financing: \$75 million
- b. For nonlending
 - No resources required, other than ADB staff
 - ADB's administrative budget:
 - Grant TA funds: \$600,000

ADB = Asian Development Bank, CSP = country strategy and program, GMS = Greater Mekong Subregion, km = kilometer, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.13: Hunan Roads Development II

Date: 15 August 2002

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>										
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Transport and communications Subsector: Road and road transport</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input checked="" type="checkbox"/> Others</p> <p><input type="checkbox"/> Poverty intervention</p> <p>c. Key thematic areas</p> <table> <tr> <td><input checked="" type="checkbox"/> Economic growth</td> <td><input type="checkbox"/> Human development</td> </tr> <tr> <td><input type="checkbox"/> Gender and development</td> <td><input type="checkbox"/> Good governance</td> </tr> <tr> <td><input type="checkbox"/> Environmental protection</td> <td><input type="checkbox"/> Private sector development</td> </tr> <tr> <td><input type="checkbox"/> Regional cooperation</td> <td><input type="checkbox"/> Social protection</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> Economic growth	<input type="checkbox"/> Human development	<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance	<input type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development	<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection	<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Economic growth	<input type="checkbox"/> Human development									
<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance									
<input type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development									
<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection									
<input type="checkbox"/> Other:										
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>										
<p>4. Responsible division/department: Infrastructure Division, East and Central Asia Department</p>										
<p>5. Responsible ADB officer: J. Lacombe</p>										
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: The road network grew from 1.16 million km in 1995 to 1.40 million km in 2000 equivalent to an annual increase of 48,000 km. Of this, the expressway length increased from 2,141 km to 16,314 km during the same period and reached 19,437 km in 2001. But, it is still underdeveloped in both quality and extent. Despite the Government's efforts to increase the country's transport capacity, serious constraints and bottlenecks remain, especially in the road sector. ADB's Country Operational Strategy for the PRC gives priority to removing infrastructure constraints and supporting policy and institutional reforms. Transport sector is identified as a priority sector. The Project, which will comprise a 230 km section (Changde-Jishou), is a section of the Changsha-Chongqing Highway, one of the eight key road corridors under the western development strategy.</p> <p>b. Goal and purpose: Stimulate economic development and thereby reduce poverty in the poor, landlocked central region.</p>										

<p>c. Components, outputs, specific deliverables: (i) A four-lane 230 km expressway from Changde to Jishou, with a designed speed of 80–100 km/hour; and (ii) 160 bridges with a total length of 2.19 km, and seven tunnels with total length of 2.14 km</p> <p>d. Expected results and deliverables: (i) Improve road transport conditions, save energy, and reduce the environment pollution; (ii) improve transport safety and reduce costs; and (iii) promote the economic cooperation between the coastal area and western region</p> <p>e. Social or environmental issues or concerns: Soil and water conservation and ecological resource balance</p> <p>f. Plans for disseminating results/deliverables: Public consultation on the project's social and environmental impacts will be carried out during PPTA. A summary environmental impact assessment and summary resettlement action plan will be available to the public through the ADB website.</p>
<p>7. Proposed executing/implementing agencies: Hunan Provincial Government/Hunan Expressway General Company</p>
<p>8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance:</p> <p>The project design is subject to approval of Ministry of Communications. The feasibility study report is subject to appraisal by the China International Engineering Consulting Company and approval of the State Development and Planning Commission.</p>
<p>9. Timetable for assistance design, processing, and implementation</p> <p>a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2001</p> <p>b. Expected date of submission for approval Lending: 2004 Nonlending (project preparatory): 2002 Nonlending (other than project preparatory):</p> <p>c. Period and duration of assistance(s) Lending: 2004-2007 (4 years) Nonlending:</p>
<p>10. Financing Plan</p> <p>a. For lending <input checked="" type="checkbox"/> Ordinary capital resources: \$300 million <input type="checkbox"/> Asian Development Fund: <input checked="" type="checkbox"/> Other: Government financing: \$510 million; Other financing: \$468 million</p> <p>b. For nonlending <input type="checkbox"/> No resources required, other than ADB staff <input type="checkbox"/> ADB's administrative budget: <input checked="" type="checkbox"/> Grant TA funds: \$600,000</p>

ADB = Asian Development Bank, CSP = country strategy and program, km = kilometer, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.14: Chongqing Road Development

Date: 15 August 2002

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>										
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Transport and communications Subsector : Roads and road transport</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input checked="" type="checkbox"/> Others</p> <p><input type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area</p> <table> <tr> <td><input checked="" type="checkbox"/> Economic growth</td> <td><input type="checkbox"/> Human development</td> </tr> <tr> <td><input type="checkbox"/> Gender and development</td> <td><input type="checkbox"/> Good governance</td> </tr> <tr> <td><input type="checkbox"/> Environmental protection</td> <td><input type="checkbox"/> Private sector development</td> </tr> <tr> <td><input type="checkbox"/> Regional cooperation</td> <td><input type="checkbox"/> Social protection</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> Economic growth	<input type="checkbox"/> Human development	<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance	<input type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development	<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection	<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Economic growth	<input type="checkbox"/> Human development									
<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance									
<input type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development									
<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection									
<input type="checkbox"/> Other:										
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>										
<p>4. Responsible division/department: Infrastructure Division, East and Central Asia Department</p>										
<p>5. Responsible ADB officer: K. Jraiw</p>										
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: The PRC's rapid economic growth has been accompanied by urbanization over the last decade. The urban population in PRC increased from 300 million (26.4% of total) in 1990 to 481 million (37.7%) in 2001. More than half of PRC's population will live in cities by 2030. Along with urbanization, the vehicle ownership is projected to increase from 18 per 1,000 people in 2000 by a factor of more than five in 2020. In the context of the rapid urbanization in PRC, the increasing urban traffic congestion has become a serious issue, jeopardizing the productivity of large cities. ADB's Country Operational Strategy for the PRC gives high priority to removing infrastructure constraints and supporting policy and institutional reforms. Urban transport is identified as a priority sector. The project is included in the National Trunk Highway System, and will be one of the corridors in the western provinces.</p> <p>b. Goal and purpose: The proposed expressway will be an important component of the Chongqing Municipality Road Networks. It will surround the municipality and relieve traffic within it, help to explore development routes of the Municipality, and promote economic development.</p>										

<p>c. Components, outputs, specific deliverables: The expressway will be 180 km. The proposed loan will construct the 108 km northwest section. The EIRR is estimated at 14.48% and the FIRR at 5.81%. The sensitive analysis shows that the project has good financial capacity.</p> <p>d. Expected results and deliverables: (i) Link the poor counties outside Chongqing, (ii) create room for further development, and (iii) promote the socioeconomic development of Chongqing and its counties</p> <p>e. Social or environmental issues or concerns: Poverty reduction, road safety, traffic management, transport planning, land acquisition, resettlement, and environment impacts will be assessed during PPTA.</p> <p>f. Plans for disseminating results/deliverables: Public consultation on the project's social and environmental impacts will be carried out during PPTA. A summary environmental impact assessment and summary resettlement action plan will be available to the public through the ADB website.</p>
<p>7. Proposed executing/implementing agencies: Chongqing Municipal Communications Commission</p>
<p>8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: Chongqing involved national experts in evaluating the project planning report. The municipality has agreed to implement the project. The project proposal and the feasibility study report will be submitted to the State Development Planning Commission for approval.</p>
<p>9. Timetable for assistance design, processing, and implementation</p> <p>a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2002</p> <p>b. Expected date of submission for approval Lending: 2004 Nonlending (project preparatory): 2003 Nonlending (other than project preparatory):</p> <p>c. Period and duration of assistance Lending: 2005 –2010 (5 years). Nonlending: 2003 (6 months)</p>
<p>10. Financing Plan {Indicate possible financing sources and amount of assistance, cost estimates, and financing arrangements}</p> <p>a. For lending <input checked="" type="checkbox"/> Ordinary capital resources: \$300 million <input type="checkbox"/> Asian Development Fund: <input checked="" type="checkbox"/> Other: Government financing: \$220 million; Other financing: \$135 million</p> <p>b. For nonlending <input type="checkbox"/> No resources required, other than ADB staff <input type="checkbox"/> ADB's administrative budget: <input checked="" type="checkbox"/> Grant TA funds: \$600,000</p>

ADB = Asian Development Bank, CSP = country strategy and program, EIRR = economic internal rate of return, FIRR = financial internal rate of return, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2. 15: Yunnan Dali-Lijiang Railway

Date: 15 August 2002

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>										
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Transport and communications Subsector: Railways</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input checked="" type="checkbox"/> Others</p> <p><input type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area</p> <table> <tr> <td><input checked="" type="checkbox"/> Economic growth</td> <td><input type="checkbox"/> Human development</td> </tr> <tr> <td><input type="checkbox"/> Gender and development</td> <td><input type="checkbox"/> Good governance</td> </tr> <tr> <td><input type="checkbox"/> Environmental protection</td> <td><input type="checkbox"/> Private sector development</td> </tr> <tr> <td><input type="checkbox"/> Regional cooperation</td> <td><input type="checkbox"/> Social protection</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> Economic growth	<input type="checkbox"/> Human development	<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance	<input type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development	<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection	<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Economic growth	<input type="checkbox"/> Human development									
<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance									
<input type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development									
<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection									
<input type="checkbox"/> Other:										
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>										
<p>4. Responsible division/department: Infrastructure Division, East and Central Asia Department</p>										
<p>5. Responsible ADB officer: H. Sakurai</p>										
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: The PRC's railway system comprises 58,000 route-km of the state-owned national railway and 10,000 route-km of local railways. Given the location of the population, natural resources, and industries in the PRC, the current size of the railway network does not provide adequate coverage. There are vast inland areas in the central and western parts of the country that do not have any rail transport. The lack of railway capacity to meet the increasing demand for transportation services is constraining economic growth. The Government's Railway Development Plan for 1998-2004 gives priority to unserved areas, particularly railway lines that would improve links between the poor inland provinces in the western and central PRC and the more prosperous coastal areas. The proposed Project is in the southwest and supports the Government's Western Region Development Strategy.</p> <p>b. Goal and purpose: (i) Help the minority communities along the railway rise out of poverty, (ii) promote the reasonable and sustainable development of natural resources, and (iii) promote tourism</p>										

<p>c. Components, outputs, specific deliverables: The Project will be a second-grade, single-line railway between Dali and Lijiang, totaling 168 km, including 54 bridges and tunnels.</p> <p>d. Expected results and deliverables: Railway construction will create jobs for the local people and promote economic growth along the railway.</p> <p>e. Social or environmental issues or concerns: The Project area is in the southwest frontier where many cultural minorities live. Social and environmental issues will be assessed during PPTA.</p> <p>f. Plans for disseminating results/deliverables: Public consultation on the project's social and environmental impacts will be carried out during PPTA. A summary environmental impact assessment and summary resettlement action plan will be available to the public through the ADB website.</p>
<p>7. Proposed executing/implementing agencies: Ministry of Railways (MOR)</p>
<p>8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance:</p> <p>Consultations were held during the country programming mission 2002 with MOR and State Development Planning Commission on the proposed Project. Upon the request and confirmation of the Government, it was agreed to include the Project in the 2003-2005 pipeline program. However, attention will be given to the potential social issues, and a thorough social and environment assessment will be done during PPTA.</p>
<p>9. Timetable for assistance design, processing, and implementation</p> <p>a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2002</p> <p>b. Expected date of submission for approval Lending: 2004 Nonlending (project preparatory): 2003 Nonlending (other than project preparatory):</p> <p>c. Period and duration of assistance(s) Lending: 2004-2009, 5 years Nonlending: 1 year</p>
<p>10. Financing Plan</p> <p>a. For lending <input checked="" type="checkbox"/> Ordinary capital resources: \$200 million <input type="checkbox"/> Asian Development Fund: <input checked="" type="checkbox"/> Other: Government financing \$342 million</p> <p>b. For nonlending <input type="checkbox"/> No resources required, other than ADB staff <input type="checkbox"/> ADB's administrative budget: <input checked="" type="checkbox"/> Grant TA funds: \$600,000</p>

ADB = Asian Development Bank, CSP = country strategy and program, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.16: Henan Municipal Wastewater Management Project**Date: 15 August 2002**

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>										
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Social infrastructure Subsector: Water supply and sanitation</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input type="checkbox"/> Others</p> <p><input checked="" type="checkbox"/> Poverty intervention</p> <p>c. Key thematic areas</p> <table> <tr> <td><input type="checkbox"/> Economic growth</td> <td><input checked="" type="checkbox"/> Human development</td> </tr> <tr> <td><input type="checkbox"/> Gender and development</td> <td><input type="checkbox"/> Good governance</td> </tr> <tr> <td><input checked="" type="checkbox"/> Environmental protection</td> <td><input type="checkbox"/> Private sector development</td> </tr> <tr> <td><input type="checkbox"/> Regional cooperation</td> <td><input type="checkbox"/> Social protection</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>	<input type="checkbox"/> Economic growth	<input checked="" type="checkbox"/> Human development	<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance	<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development	<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection	<input type="checkbox"/> Other:	
<input type="checkbox"/> Economic growth	<input checked="" type="checkbox"/> Human development									
<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance									
<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development									
<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection									
<input type="checkbox"/> Other:										
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>										
<p>4. Responsible division/department: Social Sectors Division, East and Central Asia Department</p>										
<p>5. Responsible ADB officer: I. Keum</p>										
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: The water resource and availability varies significantly across regions and by season, and is one of the biggest challenges facing the PRC. Demand for water is rising with increasing urbanization; more than half the population will live in cities by 2030. Despite the water shortage, only 34% of urban wastewater is treated. More investment is needed to supply clean drinking water and to treat wastewater and sewerage. Supporting projects for urban wastewater, sewage treatment, water supply, and water resources management is a priority of ADB's Operational Country Strategy in the PRC.</p> <p>Henan is the second largest polluting province in the Hai River basin next to Hebei. The main rivers in the Hai River basin in Henan flow into Bohai Bay through Hebei and Tianjin City. Upstream pollution control is essential to achieve the water quality targets of downstream rivers and lakes. This project will be the third ADB intervention in the Hai River basin, following the Hebei and Tianjin projects. The proposed Project will be pro-poor through its</p>										

environmental protection, support of economic growth, and provisions to ensure access to sanitation for the poor. Environmental improvement is qualitatively linked to poverty reduction.

b. Goal and purpose: Improve wastewater treatment capacity to reduce pollution in the Hai River basin and enhance overall environmental quality in the Project area in Henan Province.

c. Components, outputs, specific deliverables: The project is expected achieve the following in 3–4 project cities: (i) construction or expansion of wastewater treatment plants; (ii) construction or rehabilitation of main interceptors, truck sewers and force mains, pumping stations, and ancillary facilities; (iii) construction of secondary and link sewers, and property connections throughout sewer areas; and (iv) capacity building of the wastewater corporations and engineering bureaus.

d. Expected results and deliverables: Enhanced living conditions in the project cities and improved water quality of rivers and lakes within and downstream of the project cities

e. Social or environmental issues or concerns: Social and Environmental Impact Assessments will be done during PPTA. The project will support poverty reduction directly and indirectly through job creation, reducing risk of job losses from industry closures, promotion of sustainable economic development in areas where the poor are particularly likely to gain such as tourism and agriculture. Due to higher vulnerability to poor environmental conditions the poor will particularly benefit from improvements in living conditions and environmental quality.

f. Plans for disseminating results/deliverables: Public consultation on social and environmental impacts of the Project will be carried out during PPTA. A summary environmental impact assessment will be available to the public through the ADB website.

7. Proposed executing/implementing agencies: Henan Provincial Planning Commission

8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance:

9. Timetable for assistance design, processing, and implementation

- a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2001
- b. Expected date of submission for approval
 - Lending: 2004
 - Nonlending (project preparatory): 2002
 - Nonlending (other than project preparatory):
- c. Period and duration of assistance
 - Lending: 2004–2007 (3 years)
 - Nonlending:

10. Financing Plan

- a. For lending
 - Ordinary capital resources: \$100 million
 - Asian Development Fund:
 - Other: Government: \$35 million; Other cofinancing: \$22 million
- b. For nonlending
 - No resources required, other than ADB staff
 - ADB's administrative budget:
 - Grant TA funds: \$600,000

ADB = Asian Development Bank, CSP = country strategy and program, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.17: Suzhou Urban Environmental Protection Project

Date: 15 August 2002

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>										
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Social infrastructure Subsector: Urban development and housing</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input type="checkbox"/> Others</p> <p><input checked="" type="checkbox"/> Poverty intervention</p> <p>c. Key thematic areas</p> <table> <tr> <td><input type="checkbox"/> Economic growth</td> <td><input checked="" type="checkbox"/> Human development</td> </tr> <tr> <td><input type="checkbox"/> Gender and development</td> <td><input type="checkbox"/> Good governance</td> </tr> <tr> <td><input checked="" type="checkbox"/> Environmental protection</td> <td><input type="checkbox"/> Private sector development</td> </tr> <tr> <td><input type="checkbox"/> Regional cooperation</td> <td><input type="checkbox"/> Social protection</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>	<input type="checkbox"/> Economic growth	<input checked="" type="checkbox"/> Human development	<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance	<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development	<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection	<input type="checkbox"/> Other:	
<input type="checkbox"/> Economic growth	<input checked="" type="checkbox"/> Human development									
<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance									
<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development									
<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection									
<input type="checkbox"/> Other:										
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>										
<p>4. Responsible division/department: Social Sectors Division, East and Central Asia Department</p>										
<p>5. Responsible ADB officer: K. Choe</p>										
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: The PRC's rapid economic growth has been accompanied by urbanization over the last decade. The urban population increased from 300 million (26.4% of total) in 1990 to 481 million (37.7%) in 2001. More than half the population will live in cities by 2030. With a population of 5.8 million, Suzhou is one of the PRC's rapidly growing medium-sized cities and faces major environmental challenges given its rapid economic development and its many waterways. Despite economic prosperity in the industrial park districts, the poor have had only a limited share in the distribution of income, and urban residents, particularly in the old city, suffer from crowded living conditions and poor sanitation. The proposed Project will be pro-poor through its environmental protection, support of economic growth, and provisions to ensure access to sanitation for the poor. Environmental improvement is qualitatively linked to poverty reduction.</p> <p>b. Goal and purpose: Cope with the demands of development while protecting the environment and improving the living conditions of the urban poor</p> <p>c. Components, outputs, specific deliverables: (i) Improve and protect the urban environment along the 15.3 km waterways around the city moat (surrounding the three central districts), (ii) widen roads, (iii) extend water and sewer pipes, (iv) enhance flood protection measures and walls, (v) improve water quality of the canals around the city moat, and (vi) relocate polluting industries and households alongside the city moat.</p>										

<p>d. Expected results and deliverables: Improved environment and living conditions</p> <p>e. Social or environmental issues or concerns: Social impacts will be determined and analyzed during TA implementation. About 4,000 families will be relocated to a safe area with better living conditions. Housing subsidies and resettlement compensation will be required for this. The project will support poverty reduction directly and indirectly through job creation, reducing risk of job losses from industry closures, promotion of sustainable economic development in areas where the poor are particularly likely to gain such as tourism and agriculture. Due to higher vulnerability to poor environmental conditions the poor will particularly benefit from improvements in living conditions and environmental quality.</p> <p>f. Plans for disseminating results/deliverables: Public consultation on social and environmental impacts of the Project will be carried out during PPTA. A summary environmental impact assessment and resettlement action plan (if any) will be available to the public through the ADB website.</p>
<p>7. Proposed executing/implementing agencies: Suzhou Municipal Government</p>
<p>8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance:</p>
<p>9. Timetable for assistance design, processing, and implementation</p> <p>a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2002</p> <p>b. Expected date of submission for approval Lending: 2004 Nonlending (project preparatory): 2002 Nonlending (other than project preparatory):</p> <p>c. Period and duration of assistance Lending: 2004-2008 (4 years) Nonlending:</p>
<p>10. Financing Plan</p> <p>a. For lending <input checked="" type="checkbox"/> Ordinary capital resources: \$150 million <input type="checkbox"/> Asian Development Fund: <input checked="" type="checkbox"/> Other: Government financing: \$150 million</p> <p>b. For nonlending <input type="checkbox"/> No resources required, other than ADB staff <input type="checkbox"/> ADB's administrative budget: <input checked="" type="checkbox"/> Grant TA funds: \$1 million</p>

ADB = Asian Development Bank, CSP = country strategy and program, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.18: Zhoushan Islands Integrated Infrastructure Development**Date: 15 August 2002**

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>										
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Multisector Subsector:</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input checked="" type="checkbox"/> Others</p> <p><input type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area</p> <table> <tr> <td><input checked="" type="checkbox"/> Economic growth</td> <td><input checked="" type="checkbox"/> Human development</td> </tr> <tr> <td><input type="checkbox"/> Gender and development</td> <td><input type="checkbox"/> Good governance</td> </tr> <tr> <td><input checked="" type="checkbox"/> Environmental protection</td> <td><input type="checkbox"/> Private sector development</td> </tr> <tr> <td><input type="checkbox"/> Regional cooperation</td> <td><input type="checkbox"/> Social protection</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> Economic growth	<input checked="" type="checkbox"/> Human development	<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance	<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development	<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection	<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Economic growth	<input checked="" type="checkbox"/> Human development									
<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance									
<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development									
<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection									
<input type="checkbox"/> Other:										
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>										
<p>4. Responsible division/department: Infrastructure/Social Sectors Division, East and Central Asia Department</p>										
<p>5. Responsible ADB officer: M. Ojira</p>										
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: Zhoushan Islands, Zhejiang Province, comprise the biggest seafood production and processing base in the PRC, consisting of 1,390 islands with an total area of 22,200 km². The population of 980,000 lives on 98 islands. Zhoushan Islands were identified as a coastal economic zone in 1988, but their development lagged as they had no fixed link with the mainland.</p> <p>b. Goal and purpose: The purpose of the Project is to develop the Zhoushan Island, Zhejiang Province, by providing integrated infrastructure, including the bridges and other related facilities and improving the environment</p> <p>c. Components, outputs, specific deliverables: The project consists of six sea-across bridges with the total length of 10.5 km. The construction of the first three bridges started in November 1999. The other three bridges, with a total length of 7.8 km, are designed as suspension bridges, for which ADB's assistance is requested. The scope of the Project will be expanded to protect and improve the environmental conditions of the Island, such as water supply to the islands.</p>										

<p>d. Expected results and deliverables: The project will link the mainland with the islands and improve their economy, living conditions, and tourism potential. The project will increase agriculture and fishery income and increase off-farm jobs by opening up the islands to Zhoushan and Ningbo cities.</p> <p>e. Social or environmental issues or concerns: Further assessment is required.</p> <p>f. Plans for disseminating results/deliverables: Public consultation is needed.</p>
<p>7. Proposed executing/implementing agencies: Zhejiang Province Zhoushan Haixia Bridges Development Company Ltd.</p>
<p>8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: Zhejiang Provincial Transport Planning and Design Institute finished the feasibility study report in August 2000. The Ministry of Communication reviewed the proposal and submitted it to the State Development Planning Commission in April 2001. The China International Engineering Consulting Company completed the appraisal of the proposal in August 2001.</p>
<p>9. Timetable for assistance design, processing, and implementation</p> <p>a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2002</p> <p>b. Expected date of submission for approval Lending: 2004 Nonlending (project preparatory): 2003 Nonlending (other than project preparatory):</p> <p>c. Period and duration of assistance(s) Lending: 2004-2009 (5 years) Nonlending:</p>
<p>10. Financing Plan</p> <p>a. For lending <input checked="" type="checkbox"/> Ordinary capital resources: \$200 million <input type="checkbox"/> Asian Development Fund: <input checked="" type="checkbox"/> Other: Government financing: \$500 million; Other financing: \$465 million</p> <p>b. For nonlending <input type="checkbox"/> No resources required, other than ADB staff <input type="checkbox"/> ADB's administrative budget: <input checked="" type="checkbox"/> Grant TA funds: \$600,000</p>

ADB = Asian Development Bank, CSP = country strategy and program, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.19: Integrated Ecosystem Management Project**Date: 15 August 2002**

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Agriculture and natural resources Subsector: Agricultural support services</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input type="checkbox"/> Others</p> <p><input checked="" type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area(s)</p> <p><input checked="" type="checkbox"/> Economic growth <input type="checkbox"/> Human development</p> <p><input type="checkbox"/> Gender and development <input type="checkbox"/> Good governance</p> <p><input checked="" type="checkbox"/> Environmental protection <input type="checkbox"/> Private sector development</p> <p><input type="checkbox"/> Regional cooperation <input type="checkbox"/> Social protection</p> <p><input type="checkbox"/> Other:</p>
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>
<p>4. Responsible division/department: Agriculture, Environment and Natural Resources Division East and Central Asia Department</p>
<p>5. Responsible ADB officer: T. Qadri</p>
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: Only 41 million km² are irrigated in the PRC; 70% of the land is too hilly to irrigate. Nonirrigated dry land occupies 52% of the nation's farmland, much of which is subject to desertification. In the drier northern areas, unit crop yields average 1,125-2,250 kg per hectare per year. Even in the south, where rainfall is higher, crop yields are only one third of that on irrigated lands. As scope for expansion of irrigation areas is limited, increased yields will increasingly have to come from dry land, where a combination of terracing, drip or trickle irrigation, and improved crop management offer considerable potential for increased production.</p> <p>b. Goal and purpose: The goal of the Project will be to institutionalize appropriate natural resource management as an integral part of rural development to ensure sustainable agricultural production, reverse land degradation, and reduce poverty. The purpose of the Project will be to promote a model of rural investment that integrates soil conservation and poverty reduction into agriculture production systems through partnerships among</p>

potential beneficiaries, concerned institutions, and the private sector.

c. Components, outputs, specific deliverables: Inner Mongolia may be a project province, where the project components will mainly include (i) the land degradation control and (ii) access road maintenance and small-scale water conservancy facilities construction. Some other western provinces will be identified later to be included in the Project.

d. Expected results and deliverables: The ecosystem of the project provinces will be improved, while the farmers could increase their income by participating in ecosystem construction.

e. Social or environmental issues or concerns: The rural poor who live in the project areas are expected to benefit from the Project. Social and environmental impacts will be assessed during PPTA.

f. Plans for disseminating results/deliverables: The successful model for appropriate natural resource management, which was an integral part of rural development to ensure sustainable agricultural production, reverse land degradation, and reduce poverty, can be expanded to other areas.

7. Proposed executing/implementing agencies: Inner Mongolia and other project provincial governments

8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: The project was proposed by the Government of Inner Mongolia after consultation with local agencies. The project was included in the 2003-2005 pipeline upon the prescreening and confirmation of the State Development Planning Commission.

9. Timetable for assistance design, processing, and implementation

- a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2002
- b. Expected date of submission for approval
 - Lending: 2005
 - Nonlending (project preparatory): 2003
 - Nonlending (other than project preparatory):
- c. Period and duration of assistance{s}
 - Lending:
 - Nonlending:

10. Financing Plan

- a. For lending
 - Ordinary capital resources: \$100 million
 - Asian Development Fund:
 - Other: Government financing: \$180 million, Other cofinancing: \$15 million
- b. For nonlending
 - No resources required, other than ADB staff
 - ADB's administrative budget:
 - Grant TA funds: \$600,000

ADB = Asian Development Bank, CSP = country strategy and program, kg = kilogram, km² = square kilometer, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A.2.20: Ecosystem Development and Environment Protection of Baiyangdian Lake**Date: 15 August 2002**

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Agriculture and natural resources Subsector: Agricultural support services</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input checked="" type="checkbox"/> Others</p> <p><input type="checkbox"/> Poverty intervention</p> <p>c. Key thematic areas</p> <p><input type="checkbox"/> Economic growth <input checked="" type="checkbox"/> Human development</p> <p><input type="checkbox"/> Gender and development <input type="checkbox"/> Good governance</p> <p><input checked="" type="checkbox"/> Environmental protection <input type="checkbox"/> Private sector development</p> <p><input type="checkbox"/> Regional cooperation <input type="checkbox"/> Social protection</p> <p><input type="checkbox"/> Other:</p>
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>
<p>4. Responsible division/department: Agriculture, Environment, and Natural Resources Division East and Central Asia Department</p>
<p>5. Responsible ADB officer: T. Qadri</p>
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: Protecting the environment and promoting sustainable development is one of ADB's major means to achieve its overarching objective of poverty reduction. Environmental protection is now clearly established as a national priority in the PRC's development strategy, with all medium- and long-term investment plans incorporating environmental sustainability as a fundamental component. At 366 km², the Baiyangdian is the largest inland lake in the North PRC Plain and the flood detention area for Daqing River in the Hai River basin.</p> <p>b. Goal and purpose: The proposed Project will conduct ecological construction and environmental treatment around the Baiyangdian Lake and in its upstream areas to promote sustainable development and improve the ecology of the northern region and Beijing. Baiyangdian Lake is expected to become the "Pearl of Northern PRC" after project construction.</p> <p>c. Components, outputs, specific deliverables: (i) River training works of the Hucheng and Fu rivers in Baoding City; (ii) water diversion from Wangkuai and Xidayang reservoirs to Yimu Spring and Baiyangdian Lake; and</p>

<p>(iii) Baiyangdian environmental protection works, such as the wastewater treatment around the lake and upstream, bank protection works, and lake dredging</p> <p>d. Expected results and deliverables: The project will restore Baiyangdian's ecosystem and improve the ecology of the North region and Beijing.</p> <p>e. Social and environmental issues or concerns: Social and environment issues will be assessed during PPTA.</p> <p>f. Plans for disseminating results/deliverables: Public consultation will be in place during PPTA.</p>
<p>7. Proposed executing/implementing agencies: Hebei Provincial Government</p>
<p>8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance:</p> <p>The Hebei Development and Planning Committee proposed the Project to the State Development and Planning Committee (SDPC). The project was included in the 2003-2005 pipeline program upon SDPC's confirmation during the 2002 country programming mission.</p>
<p>9. Timetable for assistance design, processing, and implementation</p> <p>a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2002</p> <p>b. Expected date of submission for approval Lending: 2005 Nonlending (project preparatory): Nonlending (other than project preparatory): 2003</p> <p>c. Period and duration of assistance Lending: 2005-2008 (3 years) Nonlending:</p>
<p>10. Financing Plan</p> <p>a. For lending <input checked="" type="checkbox"/> Ordinary capital resources: \$100 million <input type="checkbox"/> Asian Development Fund: <input checked="" type="checkbox"/> Other: Government financing: \$68 million</p> <p>b. For nonlending <input type="checkbox"/> No resources required, other than ADB staff <input type="checkbox"/> ADB's administrative budget: <input checked="" type="checkbox"/> Grant TA funds: \$600,000</p>

ADB – Asian Development Bank, CSP = country strategy and program, km² = square kilometer, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.21: Renewable Energy Development Sector Project**Date: 15 August 2002**

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input checked="" type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>										
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Energy Subsector: Electric power</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input checked="" type="checkbox"/> Others</p> <p><input type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area{s}</p> <table> <tr> <td><input checked="" type="checkbox"/> Economic growth</td> <td><input type="checkbox"/> Human development</td> </tr> <tr> <td><input type="checkbox"/> Gender and development</td> <td><input type="checkbox"/> Good governance</td> </tr> <tr> <td><input checked="" type="checkbox"/> Environmental protection</td> <td><input type="checkbox"/> Private sector development</td> </tr> <tr> <td><input type="checkbox"/> Regional cooperation</td> <td><input type="checkbox"/> Social protection</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> Economic growth	<input type="checkbox"/> Human development	<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance	<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development	<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection	<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Economic growth	<input type="checkbox"/> Human development									
<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance									
<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development									
<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection									
<input type="checkbox"/> Other:										
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>										
<p>4. Responsible division/department: Infrastructure Division, East and Central Asia Department</p>										
<p>5. Responsible ADB officer: E. Hassing</p>										
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: The PRC is the second largest electricity producer in the world after the United States. By the end of 2001, the total installed capacity was 334 gigawatts (GW) and annual electricity generation was 1,465 terawatt-hour. Since 1988, each year about 11 to 17 GW has been added to the existing system. The Government has formulated an ambitious plan for the further development of energy sector during the tenth five-year plan (2001-2005). ADB operations in the energy sector will focus on improving the efficiency of power supply, reducing adverse environmental impacts associated with energy production and use, and providing electricity to the poor.</p> <p>b. Goal and purpose: (i) Provide electricity to the poor through environment-friendly sources; and (ii) help improve the market-based policy environment to promote renewable energy in rural Inner Mongolia, Sichuan, and Shaanxi</p>										

c. Components, outputs, specific deliverables: The project will serve off-grid remote areas rich in renewable energy sources such as water, wind, and solar energy. About 10 small-scale wind farms, solar units, and hydropower plants will be built in each province to install about 100 megawatt capacity. No subproject will involve major civil works, water diversions, or large reservoirs. However, powerhouses, transmission connections, electricity system rehabilitation, substations, transformers, and grid connections will ensure that the communities will benefit from electricity produced under the project.

d. Expected results and deliverables: Electricity might be more expensive than grid-connected electricity. However, grid-connected electricity in the project area might be much more expensive than electricity produced under the proposed Project.

e. Social or environmental issues or concerns: The Project is not expected to cause any significant resettlement or adverse environmental impacts. Most of the subprojects will be small, and no dams or major civil works or reservoir construction is expected. Expected environmental and social impacts are positive.

f. Plans for disseminating results/deliverables: Local communities will be consulted at every stage of project development and implementation.

7. Proposed executing/implementing agencies: The provincial power bureau will be the executing agency while each subproject company will be the project implementing agency.

8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: Due to their scale of operations and diverse location, environmental improvement, renewable energy development, and small-scale energy efficiency promotion activities have difficulty obtaining financial support from international agencies such as ADB. The sector project approach provides an excellent opportunity to overcome this problem by assuring significant central- and provincial-level supervision while making sure the ownership of the project, including financing and repayment responsibilities, will remain at the grassroots level.

9. Timetable for assistance design, processing, and implementation

- a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2001
- b. Expected date of submission for approval
 - Lending: April 2005
 - Nonlending (project preparatory): 2003
 - Nonlending (other than project preparatory):
- c. Period and duration of assistance{s}
 - Lending: 2005-2008 (3 years including project preparation)
 - Nonlending:

10. Financing Plan

- a. For lending
 - Ordinary capital resources: \$80 million
 - Asian Development Fund:
 - Other: other financing: \$200 million
- b. For nonlending
 - No resources required, other than ADB staff
 - ADB's administrative budget:
 - Grant TA funds: \$600,000

ADB = Asian Development Bank, CSP = country strategy and program, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.22: Small Hydropower and Rural Electrification Sector Project**Date: 15 August 2002**

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input checked="" type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>										
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Energy Subsector: Electric power</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input type="checkbox"/> Others</p> <p><input checked="" type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area(s)</p> <table> <tr> <td><input type="checkbox"/> Economic growth</td> <td><input type="checkbox"/> Human development</td> </tr> <tr> <td><input type="checkbox"/> Gender and development</td> <td><input type="checkbox"/> Good governance</td> </tr> <tr> <td><input checked="" type="checkbox"/> Environmental protection</td> <td><input type="checkbox"/> Private sector development</td> </tr> <tr> <td><input type="checkbox"/> Regional cooperation</td> <td><input type="checkbox"/> Social protection</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>	<input type="checkbox"/> Economic growth	<input type="checkbox"/> Human development	<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance	<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development	<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection	<input type="checkbox"/> Other:	
<input type="checkbox"/> Economic growth	<input type="checkbox"/> Human development									
<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance									
<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development									
<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection									
<input type="checkbox"/> Other:										
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>										
<p>4. Responsible division/department: Infrastructure Division, East and Central Asia Department</p>										
<p>5. Responsible ADB officer: P. Abeygunawardena</p>										
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: The PRC is the second largest electricity producer in the world after the United States. By the end of 2001, the total installed capacity was 334 gigawatts (GW) and annual electricity generation was 1,465 terawatt-hour. Since 1988, each year about 11 to 17 GW has been added to the existing system. The Government has formulated an ambitious plan for the further development of energy sector during the tenth five-year plan (2001-2005). ADB will focus on improving the efficiency of power supply, reducing adverse environmental impacts associated with energy production and use, and providing electricity to the poor.</p> <p>b. Goal and purpose: (i) Provide electricity to the poor and reduce environmental pollution created by alternative fuels, and (ii) help improve market-based policy environment to promote small-scale hydropower in rural areas. Two western provinces (Yunnan, Guizhou, or Gansu) will be selected as the project area.</p> <p>c. Components, outputs, specific deliverables: The project will serve off-grid remote water-rich areas. About 10 small-scale hydropower plants, with not more than 25 megawatt installed capacity, will be selected in each</p>										

province. No subproject will involve major water diversion, reservoir, or water inundation. However, a powerhouse, transmission connections, and power system rehabilitation or development will ensure that communities will benefit from electricity produced under the project.

d. Expected results and deliverables: The expected electricity price could be higher than the average grid connected electricity prices. However, the economic price of grid connected electricity in the project area could be much higher than the expected electricity price from the proposed Project.

e. Social or environmental issues or concerns: The Project is not expected to cause any significant resettlement or adverse environmental impacts. Most of the subprojects will be quite small, and no dams or major reservoir construction is expected. Expected environmental and social impacts are positive.

f. Plans for disseminating results/deliverables: Local communities will be consulted at every stage of project development and implementation.

7. Proposed executing/implementing agencies: The Provincial Water Conservancy Department will be the executing agency while each subproject company will be the implementing agency.

8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: Environmental improvement, renewable energy development and small-scale energy efficiency promotion activities find difficulties in obtaining financial support from international agencies such as ADB due to their scale of operations and diverse location. The sector project approach provides an excellent opportunity to overcome this problem. The sector approach will assure significant central and provincial level supervision while making sure the ownership of the project will remain at the grass-root level, including financing and repayment responsibilities.

9. Timetable for assistance design, processing, and implementation

- a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2001
- b. Expected date of submission for approval
 - Lending: April 2005
 - Nonlending (project preparatory): 2003
 - Nonlending (other than project preparatory):
- c. Period and duration of assistance(s)
 - Lending: 2005-2008 (3 years, including project preparation)
 - Nonlending:

10. Financing Plan

- a. For lending
 - Ordinary capital resources: \$100 million
 - Asian Development Fund:
 - Other: Government financing: \$70 million
- b. For nonlending
 - No resources required, other than ADB staff
 - ADB's administrative budget:
 - Grant TA funds: \$400,000, other sources

ADB = Asian Development Bank, CSP = country strategy and program, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.23: Gansu Road Development (Fengxiang-Chankou)**Date: 15 August 2002**

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Transport and communications Subsector: Roads and road transport</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input type="checkbox"/> Others</p> <p><input checked="" type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area(s)</p> <p><input checked="" type="checkbox"/> Economic growth <input type="checkbox"/> Human development</p> <p><input type="checkbox"/> Gender and development <input type="checkbox"/> Good governance</p> <p><input type="checkbox"/> Environmental protection <input type="checkbox"/> Private sector development</p> <p><input type="checkbox"/> Regional cooperation <input type="checkbox"/> Social protection</p> <p><input type="checkbox"/> Other:</p>
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>
<p>4. Responsible division/department: Infrastructure Division, East and Central Asia Department</p>
<p>5. Responsible ADB officer: E. Kwon</p>
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: The road network grew from 1.16 million km in 1995 to 1.40 million km in 2000 equivalent to an annual increase of 48,000 km. Of this, the expressway length increased from 2,141 km to 16,314 km during the same period and reached 19,437 km in 2001. But, it is still underdeveloped in both quality and extent. Despite the Government's efforts to increase the country's transport capacity, serious constraints and bottlenecks remain, especially in the road sector. ADB's Country Operational Strategy for the PRC gives priority to removing infrastructure constraints and supporting policy and institutional reforms. Transport is identified as a priority sector.</p> <p>Gansu is one of the least developed inland areas in the country. In 2001, the per capital GDP was Y4,173—45% lower than the national average. Annual per capita rural income was Y1,508 or 64% of the national average.</p> <p>The project will connect to the Lianhuo national trunk highway at Chankou West, to the national improvement priority highway G312 in Dingxi County, and to the West Development Corridor highway from Yinchuan to Wuhan at Pingliang. The Project will play an important role in connecting the ambient provinces, including Shanxi and Ningxia.</p> <p>b. Goal and purpose: The project will greatly improve local economic development by connecting all the large</p>

and medium-sized cities, regional economic centers, transport pivots, and tourism spots, and by developing interprovincial and economic regional transport, including passenger and freight.

c. Components, outputs, specific deliverables: The project will be 294 km, excluding a 68 km segment in Ningxia. It is proposed to build the road with 24.5, 25.5, and 26.0 m-wide subgrade (three cross-sections), and respective speeds of 60, 80, and 100 km per hour. Based on the project financial analysis, profit and loss estimation, and loan repayment ability, the project will be profitable.

d. Expected results and deliverables: The triprovincial project area has resource and location advantages and will be the long-term base for sustainable national economic development. The project will improve access and tourism and thus develop the local economy, raise living standards, play a dynamic role in resource development, and attract investment.

e. Social or environmental issues or concerns: The project has provisions to protect the environment. The project will help improve local living standards in two ways: (i) in the short term, the civil works will employ many local people, whose income will increase; and (ii) in the long term, the presence of the highway will reduce poverty by making jobs and income-generating opportunities available to the people. During project implementation, a resettlement plan will be drawn up to solve problems caused by the project.

f. Plans for disseminating results/deliverables: Public consultation on the project's social and environmental impacts will be carried out during PPTA. A summary environmental impact assessment and summary resettlement action plan will be available to the public through the ADB website.

7. Proposed executing/implementing agencies: Gansu Provincial Communications Department (GPCD)

8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: GPCD will examine, approve, and supervise the project.

9. Timetable for assistance design, processing, and implementation

- a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2002
- b. Expected date of submission for approval
 - Lending: 2005
 - Nonlending (project preparatory): 2003
 - Nonlending (other than project preparatory):
- c. Period and duration of assistance(s)
 - Lending: 5 years
 - Nonlending:

10. Financing Plan

- a. For lending
 - Ordinary capital resources: \$300 million
 - Asian Development Fund:
 - Other: Government financing: \$265 million; Other financing: \$170 million
- b. For nonlending
 - No resources required, other than ADB staff
 - ADB's administrative budget:
 - Grant TA funds: \$600,000

ADB = Asian Development Bank, CSP = country strategy and program, km = kilometer, m = meter, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table 2.24: Sichuan Road Development (Dazhou-Wanyuan)**Date: 15 August 2002**

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Transport and communications Subsector: Roads and road transport</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input checked="" type="checkbox"/> Others</p> <p><input type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area(s)</p> <p><input checked="" type="checkbox"/> Economic growth <input type="checkbox"/> Human development</p> <p><input type="checkbox"/> Gender and development <input type="checkbox"/> Good governance</p> <p><input type="checkbox"/> Environmental protection <input type="checkbox"/> Private sector development</p> <p><input type="checkbox"/> Regional cooperation <input type="checkbox"/> Social protection</p> <p><input type="checkbox"/> Other:</p>
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>
<p>4. Responsible division/department: Infrastructure Division, East and Central Asia Department</p>
<p>5. Responsible ADB officer: M. Ojira</p>
<p>6. Description of assistance(s)</p> <p>a. Background/linkage to country/regional strategy: The road network grew from 1.16 million km in 1995 to 1.40 million km in 2000 equivalent to an annual increase of 48,000 km. Of this, the expressway length increased from 2,141 km to 16,314 km during the same period and reached 19,437 km in 2001. But, it is still underdeveloped in both quality and extent. Despite the Government's efforts to increase the country's transport capacity, serious constraints and bottlenecks remain, especially in the road sector. ADB's Country Operational Strategy for the PRC gives high priority to removing infrastructure constraints and supporting policy and institutional reforms. Transport sector is identified as a priority sector. Western PRC, including Sichuan Province, has lagged behind the rest of the country economically primarily due to poor access. In 2001, the annual per capita GDP in Sichuan Province was Y5,250–30% lower than the national average. Annual per capita income was Y1,986 or 84% of the national average. The project will support the Government's Western Region Development Strategy and is consistent with ADB's Country Operational Strategy.</p> <p>b. Goal and purpose: Enhance economic development and reduce poverty by improving access in northern Sichuan</p>

<p>c. Components, outputs, specific deliverables: (i) Construction of a 149 km trunk road, comprising 80 km Dazhou–Xuanhan and 69 km Xinhua–Wanyuan sections; (ii) upgrading of associated local roads; (iii) procurement of equipment; (iv) land acquisition and resettlement; and (v) consulting services for construction supervision, monitoring and evaluation, and training</p> <p>d. Expected results and deliverables: The project will help open up the poor remote areas in northern Sichuan, thereby increasing incomes and jobs. The project will also promote economic growth by developing and utilizing natural and tourism resources.</p> <p>e. Social or environmental issues or concerns: The project's environmental and resettlement impacts due to land acquisition will be mitigated by the environmental impact assessment (EIA) and resettlement plan being prepared.</p> <p>f. Plans for disseminating results/deliverables: Public consultation will take place during PPTA. A summary EIA and summary resettlement action plan will be available to the public through the ADB website.</p>
<p>7. Proposed executing/implementing agencies: Sichuan Provincial Communications Department (SPCD)</p>
<p>8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: SPCD is currently carrying out preliminary studies, including the feasibility study, environment impact assessment and resettlement plan.</p>
<p>9. Timetable for assistance design, processing, and implementation</p> <p>a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2002</p> <p>b. Expected date of submission for approval Lending: 2005 Nonlending (project preparatory): 2003 Nonlending (other than project preparatory):</p> <p>c. Period and duration of assistance(s) Lending: 2005-2008 (4 years) Nonlending: 2004 (6 months)</p>
<p>10. Financing Plan</p> <p>a. For lending <input checked="" type="checkbox"/> Ordinary capital resources: \$200 million <input type="checkbox"/> Asian Development Fund: <input checked="" type="checkbox"/> Other: Government financing: \$272 million; Other financing: \$208 million</p> <p>b. For nonlending <input type="checkbox"/> No resources required, other than ADB staff <input type="checkbox"/> ADB's administrative budget: <input checked="" type="checkbox"/> Grant TA funds: \$600,000</p>

ADB = Asian Development Bank, CSP = country strategy and program, km = kilometer, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.25: Taiyuan-Zhongwei Railway

Date: 15 August 2002

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Transport and communications Subsector: Railways</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input checked="" type="checkbox"/> Others</p> <p><input type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area{s}</p> <p><input checked="" type="checkbox"/> Economic growth <input type="checkbox"/> Human development</p> <p><input type="checkbox"/> Gender and development <input type="checkbox"/> Good governance</p> <p><input type="checkbox"/> Environmental protection <input type="checkbox"/> Private sector development</p> <p><input type="checkbox"/> Regional cooperation <input type="checkbox"/> Social protection</p> <p><input type="checkbox"/> Other:</p>
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>
<p>4. Responsible division/department: Infrastructure Division, East and Central Asia Department</p>
<p>5. Responsible ADB officer: H. Sakurai</p>
<p>6. Description of assistance{s}</p> <p>a. Background/linkage to country/regional strategy: The PRC's railway system comprises 58,000 km of the state-owned national railway and 10,000 km of local railways. Given the location of the population, natural resources, and industries in the PRC, the current size of the railway network does not provide adequate coverage. There are vast inland areas in the central and western parts of the country that do not have any rail transport. The lack of railway capacity to meet the increasing demand for transportation services is constraining economic growth. The Government's Railway Development Plan for 1998-2004 gives priority to unserved areas, particularly railway lines that would improve links between the poor inland provinces in the western and central PRC and the more prosperous coastal areas. The proposed Project will provide a vital link between the inland provinces to the eastern region.</p> <p>The project provinces, Shanxi and Ningxia, are inland provinces which development are lagged behind compared to the coastal provinces. In 2001, the per capita GDP was Y5,444 and Y5,338 respectively—28% and 30%</p>

lower than the national average.

b. Goal and purpose: The project will build a passage between northwest and northern PRC, reinforce the economic and cultural connection between the north region and hinterland, enhance nationality unity, reduce poverty along the alignment, and improve railway quality and competitiveness.

c. Components, outputs, specific deliverables: The project has not been designed. One plan is to start the railway at the Dazhanchang station on Bozhong Railway, which passes Dingbian, Jingbian, Suide, Wubao, Mucun Jiexiu, Taiyuan, and ends at Shijiazhuang. The total length would be 1,024 km, of which 534.36 km (including the 11.80 km double line) would be new. Reconstruction would use 115.47 km of old local railway and 386 km of old national railway.

d. Expected results and deliverables: (i) Significant improvement of the railway network layout, (ii) development of western PRC resources, (iii) acceleration of economic development, and (iv) poverty reduction

e. Social or environmental issues or concerns: Eight out of the nine counties that the railway will pass through are poor, with many people below the absolute poverty line. During construction, poor residents should be hired, if possible. The ecological environment along the alignment is fragile.

f. Plans for disseminating results/deliverables: Public consultation on the project's social and environmental impacts will be carried out during PPTA. A summary environmental impact assessment and resettlement action plan will be available to the public through the ADB website.

7. Proposed executing/implementing agencies: Foreign Capital and Technical Import Center, Ministry of Railways (MOR)

8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: MOR is doing the initial work of comparison and selection of alignment plans.

9. Timetable for assistance design, processing, and implementation

- a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2001
- b. Expected date of submission for approval
 - Lending: 2005
 - Nonlending (project preparatory): 2004
 - Nonlending (other than project preparatory):
- c. Period and duration of assistance(s)
 - Lending: 2005-2009 (5 years)
 - Nonlending: 2004 (5 months)

10. Financing Plan

- a. For lending
 - Ordinary capital resources: \$250 million
 - Asian Development Fund:
 - Other: Government financing: \$818 million
- b. For nonlending
 - No resources required, other than ADB staff
 - ADB's administrative budget:
 - Grant TA funds: \$600,000

ADB = Asian Development Bank, CSP = country strategy and program, km = kilometer, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.26: Water Supply and Sewerage Development in Jilin Province**Date: 15 August 2002**

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Social infrastructure Subsector: Water supply and sanitation</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input checked="" type="checkbox"/> Others</p> <p><input type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area(s)</p> <p><input type="checkbox"/> Economic growth <input checked="" type="checkbox"/> Human development</p> <p><input type="checkbox"/> Gender and development <input type="checkbox"/> Good governance</p> <p><input checked="" type="checkbox"/> Environmental protection <input type="checkbox"/> Private sector development</p> <p><input type="checkbox"/> Regional cooperation <input type="checkbox"/> Social protection</p> <p><input type="checkbox"/> Other:</p>
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>
<p>4. Responsible division/department: Social Sectors Division, East and Central Asia Department</p>
<p>5. Responsible ADB officer: I. H. Keum</p>
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: The water resource and availability varies significantly across regions within PRC; and from time to time within a year. This huge difference in water availability with regions and seasons is one of the biggest challenges facing PRC. The demand for water is rising with increasing urbanization; more than half the population will live in cities by 2030. Despite the shortages of water, the rate of wastewater reuse is low - only 34% of urban wastewater is treated. More investment needed to supply clean drinking water and to treat wastewater and sewerage. To support projects for urban wastewater, sewage treatment, water supply, and water resources management is one of the priorities of ADB's Country Operational Strategy in PRC. The proposed Project will be pro-poor through its environmental protection, support of economic growth, and provisions to ensure access to sanitation for the poor. Environmental improvement is qualitatively linked to poverty reduction.</p> <p>b. Goal and purpose: (i) Enhance wastewater treatment capacity in Changchun City to solve the water shortage; (ii) improve water quality and improve the city's ecological environment; (iii) solve the lack of drinking water</p>

in Liaoyuan City

c. Components, outputs, specific deliverables: Eight subprojects will (i) build and reconstruct 792.4 km of pipelines, (ii) create a daily wastewater treatment capacity of 150,000 tons and recycle 50,000 tons of water per day, and (iii) create a reservoir capacity of 3.45 million m³.

d. Expected results and deliverables: The implementation of this project will solve the water pollution in these cities, improve the cities environment, improve supply of potable water and promote cities' sustainable development. Though not classified as a poverty intervention the project will support poverty reduction directly and indirectly through job creation, reducing risk of job losses from industry closures, promotion of sustainable economic development in areas where the poor are particularly likely to gain such as tourism and agriculture. Due to higher vulnerability to poor environmental conditions the poor will particularly benefit from improvements in living conditions and environmental quality.

e. Social or environmental issues or concerns: Social and environmental impacts will be assessed during PPTA.

f. Plans for disseminating results/deliverables: Public consultation on social and environmental impacts of the Project will be carried out during PPTA. A summary environmental impact assessment will be available to the public through the ADB website.

7. Proposed executing/implementing agencies: Jilin Provincial Government

8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: After consultations with concerned provincial and local government agencies (including Jilin Provincial Development Planning Commission; Jilin Provincial Financial Department; bureaus of planning, finance, and construction in Changchun and Liao Yuan cities), Jilin Province proposed the project to the State Development Planning Commission, which requested and confirmed the inclusion of the project in the 2003-2005 pipeline program during the 2002 country programming mission.

9. Timetable for assistance design, processing, and implementation

- a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2002
- b. Expected date of submission for approval
 - Lending: 2005
 - Nonlending (project preparatory): 2003
 - Nonlending (other than project preparatory):
- c. Period and duration of assistance{s}
 - Lending: 2005-2009 (5 years)
 - Nonlending:

10. Financing Plan

- a. For lending
 - Ordinary capital resources: \$100 million
 - Asian Development Fund:
 - Other: Government financing: \$16 million; Other cofinancing: \$90 million
- b. For nonlending
 - No resources required, other than ADB staff
 - ADB's administrative budget:
 - Grant TA funds: \$600,000

ADB = Asian Development Bank, CSP = country strategy and program, m³ = cubic meter, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.27: Shandong Haihe Water Pollution Treatment

Date: 15 August 2002

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Social infrastructure Subsector: Water supply and sanitation</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input type="checkbox"/> Others</p> <p><input checked="" type="checkbox"/> Poverty intervention</p> <p>c. Key thematic area(s)</p> <p><input type="checkbox"/> Economic growth</p> <p><input type="checkbox"/> Gender and development</p> <p><input checked="" type="checkbox"/> Environmental protection</p> <p><input type="checkbox"/> Regional cooperation</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Human development</p> <p><input type="checkbox"/> Good governance</p> <p><input type="checkbox"/> Private sector development</p> <p><input type="checkbox"/> Social protection</p>
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>
<p>4. Responsible division/department: Social Sectors Division, East and Central Asia Department</p>
<p>5. Responsible ADB officer: A. Leung</p>
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: The water resource and availability varies significantly across regions within PRC; and from time to time within a year. This huge difference in water availability with regions and seasons is one of the biggest challenges facing PRC. The demand for water is rising with increasing urbanization; more than half the population will live in cities by 2030. Despite the shortages of water, the rate of wastewater reuse is low - only 34% of urban wastewater is treated. More investment needed to supply clean drinking water and to treat wastewater and sewerage.</p> <p>The water pollution is serious in Hai River or Haihe, which traverses several provinces in PRC. It has affected the people's living and producing activities, especially in Bingzhou, Dezhou, Liaocheng, Jinan. To support projects for urban wastewater, sewage treatment, water supply, and water resources management is one of the priorities of ADB's Operational Country Strategy in PRC. The proposed Project will be pro-poor through its environmental protection, support of economic growth, and provisions to ensure access to sanitation for the poor. Environmental</p>

improvement is qualitatively linked to poverty reduction.

b. Goal and purpose: Improve wastewater treatment capacity to reduce water pollution in the Shandong area of the Hai River basin

c. Components, outputs, specific deliverables: (i) Increase wastewater treatment capacity by 805,000 tons/day; (ii) increase recycled water production capacity by 60,000 tons/day; and (iii) increase solid waste treatment capacity by 1,300 tons/day

d. Expected results and deliverables: The project will improve people's living and working environment. The project will support poverty reduction directly and indirectly through job creation, reducing risk of job losses from industry closures, promotion of sustainable economic development in areas where the poor are particularly likely to gain such as tourism and agriculture. Due to higher vulnerability to poor environmental conditions the poor will particularly benefit from improvements in living conditions and environmental quality.

e. Social or environmental issues or concerns: Social and Environmental Impact Assessments (EIA) will be done during PPTA.

f. Plans for disseminating results/deliverables: Public consultation on the project's social and environmental impacts will be carried out during PPTA. A summary EIA will be available to the public through the ADB website.

7. Proposed executing/implementing agencies: Shandong Provincial Development Planning Commission

8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: After consultation with the local finance and environmental bureaus, Shandong Province proposed the project to the State Development Planning Commission, which confirmed the project's inclusion in the 2003-2005 pipeline program during the 2002 country programming mission.

9. Timetable for assistance design, processing, and implementation

- a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2002
- b. Expected date of submission for approval
 - Lending: 2005
 - Nonlending (project preparatory): 2003
 - Nonlending (other than project preparatory):
- c. Period and duration of assistance{s}
 - Lending: 2005-2008, 4 years
 - Nonlending: 2003

10. Financing Plan

- a. For lending
 - Ordinary capital resources: \$100 million
 - Asian Development Fund:
 - Other: Government financing: \$85 million
- b. For nonlending
 - No resources required, other than ADB staff
 - ADB's administrative budget:
 - Grant TA funds: \$600,000

ADB = Asian Development Bank, CSP = country strategy and program, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.

Table A2.28: Integrated Xiamen Coastal Environment Improvement**Date: 15 August 2002**

<p>1. Type/modality of assistance</p> <p><input checked="" type="checkbox"/> Lending</p> <p><input checked="" type="checkbox"/> Project loan</p> <p><input type="checkbox"/> Program loan</p> <p><input type="checkbox"/> Sector loan</p> <p><input type="checkbox"/> Sector development program loan</p> <p><input type="checkbox"/> Other:</p> <p><input checked="" type="checkbox"/> Nonlending</p> <p><input checked="" type="checkbox"/> Project preparatory</p> <p><input type="checkbox"/> Other than project preparatory</p> <p><input type="checkbox"/> Economic, thematic, and sector work</p> <p><input type="checkbox"/> Institutional development</p> <p><input type="checkbox"/> Other:</p>										
<p>2. Assistance Focus</p> <p>a. If assistance focuses on a particular sector or subsector, specify the Sector: Multisector Subsector:</p> <p>b. For project preparatory and lending, classification</p> <p><input type="checkbox"/> Core poverty intervention <input checked="" type="checkbox"/> Others</p> <p><input type="checkbox"/> Poverty intervention</p> <p>c. Key thematic areas</p> <table border="0"> <tr> <td><input checked="" type="checkbox"/> Economic growth</td> <td><input type="checkbox"/> Human development</td> </tr> <tr> <td><input type="checkbox"/> Gender and development</td> <td><input type="checkbox"/> Good governance</td> </tr> <tr> <td><input checked="" type="checkbox"/> Environmental protection</td> <td><input type="checkbox"/> Private sector development</td> </tr> <tr> <td><input type="checkbox"/> Regional cooperation</td> <td><input type="checkbox"/> Social protection</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> Economic growth	<input type="checkbox"/> Human development	<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance	<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development	<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection	<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Economic growth	<input type="checkbox"/> Human development									
<input type="checkbox"/> Gender and development	<input type="checkbox"/> Good governance									
<input checked="" type="checkbox"/> Environmental protection	<input type="checkbox"/> Private sector development									
<input type="checkbox"/> Regional cooperation	<input type="checkbox"/> Social protection									
<input type="checkbox"/> Other:										
<p>3. Coverage</p> <p><input checked="" type="checkbox"/> Country <input type="checkbox"/> Subregional <input type="checkbox"/> Interregional</p> <p><input type="checkbox"/> Internal policy development</p>										
<p>4. Responsible division/department: Agriculture, Environment, and Natural Resources Division and Social Sectors Division, East and Central Asia Department</p>										
<p>5. Responsible ADB officer: N. Convard</p>										
<p>6. Description of assistance</p> <p>a. Background/linkage to country/regional strategy: The project area, the West Sea Area, is where Xiamen was initially developed. Due to inadequate pollution control and the disorderly development of aquaculture, the West Sea Area is severely polluted, with serious impacts on Xiamen Port. In the past two years, the area was afflicted by red tide five times. The sediments deposited on the waterway and beaches has reached 30 cm in the past 30 years. Since 1952, the water area has shrunk from 110 to 52 km², reducing not only Xiamen Port's shipping capacity, but also weakening the sea's self-cleaning capacity.</p> <p>b. Goal and purpose: To improve the coastal environment by controlling pollution mainly from agricultural activities.</p> <p>c. Components, outputs, specific deliverables: The Project area will include 77 km² of sea and 61 km² of land along the 77.6 km seashore. The Project will include (i) removal of aquaculture facilities; (ii) control of pollution, including that from the mainland, and centralized pollution discharge and treatment; (iii) comprehensive beach and waterway clean-up; (iv) land reclamation along the seashore; (v) infrastructure facility improvement; and (vi) an environment monitoring system.</p>										

<p>d. Expected results and deliverables: (i) Improve the coastal environment and marine resources, (ii) promote the social and economic development of Xiamen City, and (iii) improve flood control and tide control capacity</p> <p>e. Social or environmental issues or concerns: social and environmental impact assessments (EIA) will be done during PPTA.</p> <p>f. Plans for disseminating results/deliverables: Public consultation on the project's social and environmental impacts will be carried out during PPTA. A summary EIA will be available to the public through the ADB website.</p>
<p>7. Proposed executing/implementing agencies: Xiamen Municipal Government</p>
<p>8. Nature/extent of government/beneficiary involvement in identifying or conceptualizing the assistance: Xiamen Municipal Government and the State Development and Planning Commission</p>
<p>9. Timetable for assistance design, processing, and implementation</p> <p>a. Year included in CSP, CSP update, SCSP, SCSP update, or interregional work plan: 2002</p> <p>b. Expected date of submission for approval Lending: 2005 Nonlending (project preparatory): 2003 Nonlending (other than project preparatory):</p> <p>c. Period and duration of assistance Lending: 2005-2009 (5 years) Nonlending:</p>
<p>10. Financing Plan</p> <p>a. For lending <input checked="" type="checkbox"/> Ordinary capital resources: \$250 million <input type="checkbox"/> Asian Development Fund: <input checked="" type="checkbox"/> Other: Government financing \$313 million; Other financing \$485 million</p> <p>b. For nonlending <input type="checkbox"/> No resources required, other than ADB staff <input type="checkbox"/> ADB's administrative budget: <input checked="" type="checkbox"/> Grant TA funds: \$600,000</p>

ADB = Asian Development Bank, cm = cubic meter, CSP = country strategy and program, km² = square kilometer, PPTA = project preparatory technical assistance, PRC = People's Republic of China, SCSP = subregional cooperation strategy and program.