



Design and Monitoring Framework

Project Number: 39521
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Fiji Islands: Preparing the Renewable Power Sector Development Project

DESIGN AND MONITORING FRAMEWORK

Design Summary	Performance Targets/Indicators	Data Sources/Reporting Mechanisms	Assumptions and Risks
Impact To promote economic diversification and economic growth	Economic growth investment/Gross domestic product (GDP) Sectoral growth	GDP Local and foreign investment data	Assumptions <ul style="list-style-type: none"> • Political stability • Macroeconomic stability
Outcome More and better electricity services to all consumers More diversified generation sources Better use of indigenous and renewable resources Less exposure to global energy prices	Fiji Electricity Authority (FEA) network expansion FEA generation capacity by source FEA's cost structure	FEA's consumer base data System's operations reports ADB review missions FEA annual reports FEA's audited accounts	Assumptions <ul style="list-style-type: none"> • Economic growth and electricity demand growth according to projections • Least-cost indigenous resources • Effective stakeholder consultations with affected communities • Capacity to mitigate social and environmental impact effectively and on time
Outputs 1. Least-cost power sector expansion plan 2. Identification and pre-feasibility studies of core subprojects 3. Financial performance assessment of FEA 4. Financial and economic due diligence of the power sector expansion plan 5. Project compliance with requirements and procedures of environmental, social, and resettlement safeguards 6. Climate-proofing analysis	Finalization of least-cost expansion plan by May 2006 Prioritized subprojects by June 2006 Financial due diligence of FEA completed by August 2006 Financial and economic due diligence of the expansion plan completed by August 2006 Stakeholder consultations completed by May 2006 Social and environment safeguard documents completed by July 2006 Analysis of the likely impact of climate change, and climate	Tripartite meetings Ongoing communication with FEA Consultants' mission reports and ongoing communication Interim reports Draft final reports Final reports	Assumptions <ul style="list-style-type: none"> • Effective coordination and management of individual consultants • Enough ADB staff resources and time inputs for coordination • Effective collaboration with FEA • Access to FEA information and data • Timely synchronization of consultants' inputs and completion of outputs • Counterpart FEA staff

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7. Clean development mechanism (CDM) eligibility screening	<p>proofing as the core subproject by integrating adaptation into the project design by June 2006</p> <p>Assessment by June 2006 of the opportunity to use CDM for the Project</p>		
<p>Activities with Milestones</p> <p>1. Coordination and procurement (3 person-months)</p> <p>1.1 Project activity coordination: February–September 2006 (intermittently)</p> <p>1.2 Procurement arrangements: June–August 2006</p> <p>2. Technical inputs (3 person-months)</p> <p>2.1 Development of a least-cost power expansion plan and alternatives: February–June 2006</p> <p>2.2 Pre-feasibility review of core subprojects: February–June 2006</p> <p>3. Financial and economic inputs (5.5 person-months)</p> <p>3.1 Load forecast: February 2006</p> <p>3.2 Financial performance assessment of FEA: February–August 2006</p> <p>3.3 Financial and economic due diligence of the power expansion plan: April–August 2006</p> <p>4. Environment, climate change inputs, and CDM screening (8 person-months)</p> <p>4.1 Detailed environmental assessment, including surveys and mitigation recommendations: February–June 2006</p> <p>4.2 Climate change adaptation assessment: May 2006</p> <p>4.3 Initial CDM eligibility screening: April 2006</p> <p>5. Stakeholder participation, resettlement, and social inputs (2.5 person-months)</p> <p>5.1 Socioeconomic surveys and stakeholder consultations (resettlement and social analysis): February–June 2006</p> <p>5.2 Preparation of resettlement plan including mitigation measures: April–July 2006</p> <p>6. ADB missions</p> <p>6.1 Inception mission: February 2006</p> <p>6.2 Review mission: April 2006</p> <p>6.1 Loan fact-finding mission: June 2006</p> <p>7. Tripartite meetings In conjunction with ADB missions</p> <p>8. Consultations with possible cofinanciers</p>			<p>Inputs</p> <ul style="list-style-type: none"> • ADB • Government • FEA: \$280,000 • Cofinanciers • Beneficiaries • Consultants: 19 international person-months and 5 domestic person-months—\$447,500