QII Initiatives of Asian Development Bank

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3 February 2017
1. Defining High Level Technology Projects

- Creates or improves ways of serving client needs in terms of efficiency and productivity
- Addresses climate mitigation, adaptation, and resilience to disaster risks
- Introduces innovation in processes, methods or techniques
- Reduces environmental costs and/or social costs
- Improves economic efficiency including low life cycle cost, durability, and long term performance efficiency
- Creates market opportunities for scaling up
- Maximizes synergies and increases scale and impact through cross-sectoral collaboration
2. Challenges

- Expertise
- Evaluation
- Procurement
- Financing
- Incentive
3. ADB’s Initiatives

Creating cross-departmental and sectoral teams to plan and design projects with high readiness

Using appropriate procurement methods to engage quality contractors and high quality plant and equipment

Moving away from least cost analysis and into life cycles, resilience and value for money

Capturing the prevalent and future market trends through new skills and partnerships
4. Partnerships with JICA

- Government of Japan and ADB have agreed on a $16 billion partnership over the next 5 years to promote quality infrastructure.
- “Leading Asia’s Private Infrastructure Fund” (LEAP): A trust fund mobilizing $1.5 billion from JICA.
- $10 billion worth of sovereign co-financing: ADB- $5 billion and JICA- $5 billion.
5. Partnership with Other Agencies

**Engaging in cross-sector and thematic collaboration**
Collaboration between water-energy sector groups for solar powered desalination plants in small islands or non-networked sanitation in informal settlements to address urban health issues in partnership with the Bill & Melinda Gates Foundation.

**Undertaking robust project planning and design**
Collaborating with the European Space Agency, UNESCO-IHE and JAXA to use earth observation in planning urban, water and agriculture projects.

**Adopting life cycle cost, resilience and value for money**
Embedding principles of climate change mitigation and adaptation, and resilience (with the Rockefeller Foundation) in project design with a focus on environmental sustainability.

**Capturing market trends through partnerships**
Working with bilateral and foundations through Financing Partnership Facilities (Energy, Urban and Water) to tap centers of excellence and utilities for market intelligence on latest technologies

Sustainable Energy Association, Singapore and Global Carbon Capture and Storage Institute.
6. Examples of Quality Infrastructure Investment

**NEPAL:** Melamchi Water Supply Project
- Tunnelling works for water transmission using improved construction techniques

**SRI LANKA:** Jaffna-Killinochi Water Supply Project
- Seawater desalination plant reducing environmental and/or social costs

**BANGLADESH:** SASEC Chittagong-Cox’s Bazar Railway
- Improving economic efficiency including low life cycle cost, durability, and long term performance efficiency

**INDIA:** Solar Rooftop Program for Distributed Renewable Energy
- Creating market conditions and innovative business models for scaling up

**UZBEKISTAN:** Advanced Electricity Metering Project
- Smart grid and smart meters promoting energy efficiency and addressing climate change mitigation