



Draft Design and Monitoring Framework

Project Number: 39921
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IND: Dahej LNG Terminal Expansion Project

A design and monitoring framework is an active document, progressively updated and revised as necessary, particularly following any changes in project design and implementation. In accordance with ADB's public communications policy (2005), it is disclosed before appraisal of the project or program. This draft framework may change during processing of the project or program, and the revised version will be disclosed as an appendix to the report and recommendation of the President.

Asian Development Bank

DESIGN AND MONITORING AND DEVELOPMENT EFFECTIVENESS FRAMEWORKS

A. Design and Monitoring Framework

Design Summary	Performance Targets/Indicators	Data Sources/Reporting Mechanisms	Assumptions and Risks
Impact <ul style="list-style-type: none"> Increased energy supply Shift to clean energy Diversify energy base 	<ul style="list-style-type: none"> Meet new demand of about 4.41 MMSCMD Meet switching demand from more polluting fuels of about 4.3 MMSCMD Share of natural gas to increase from 8% to 15% by 2011 	<ul style="list-style-type: none"> Offtakers' sales reports Publicly available statistics on energy 	<ul style="list-style-type: none"> Gas sector reforms Competitive gas price Domestic gas supply to increase LNG supply to increase
Outcome <ul style="list-style-type: none"> Increased natural gas supply to industrial and household users 	<ul style="list-style-type: none"> 8.71 MMSCMD of natural gas supply 	<ul style="list-style-type: none"> PLL's operating reports 	<ul style="list-style-type: none"> Due completion and operation of expansion facilities Stable LNG supply Due completion of the third LNG tanker Due completion of gas distribution networks
Outputs <ul style="list-style-type: none"> LNG terminal capacity expanded initially to 7.5 MMTPA and later to 10 MMTPA and duly operated 	<ul style="list-style-type: none"> Completion as per the specification Stated output 	<ul style="list-style-type: none"> Completion certificates PLL's operating reports 	<ul style="list-style-type: none"> Finance raised
Activities with Milestones <ol style="list-style-type: none"> Two engineering, procurement, and construction contracts for the expansion facilities were signed on 9 December 2005 and 23 January 2006. Time Charter Agreement for the third LNG tanker was signed on 21 February 2006. Financing documents for debt to be signed by October 2006 and remaining equity to be generated in time for project expenditure. The expansion facilities and the third LNG tanker to be completed by March 2009 			Inputs <ul style="list-style-type: none"> PLL-Rs3,465 million ADB-Rs6,750 million Cofinanciers-Rs5,580 million

MMSCMD=million standard cubic meters per day, MMTPA=million metric tons per annum, LNG=liquefied natural gas, PLL=Petronet LNG Limited.