



Draft Design and Monitoring Framework

Project Number: 37265

Draft of 25.01.07

Maldives: Domestic Maritime Transport 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 FRAMEWORK

Design Summary	Performance Targets/Indicators	Data Sources/ Reporting Mechanisms	Assumptions and Risks
<p>Impact</p> <p>Sustained equitable and regionally balanced economic growth within the Maldives</p>	<p>Increase Malé North Harbor's contribution to GDP by 0.1% by 2015.</p> <p>10% volume increase in key outputs of domestic agricultural produce (coconut, watermelon, banana, cucumber, pumpkin and mango) sold in Malé North Harbor Markets by 2014.</p>	<p>National Economic Data and Statistics</p> <p>Baseline survey</p>	<p>Assumptions</p> <p>The Agricultural Master Plan^a targets 100% growth in key agricultural produce by 2015. Improved transport only accounts for a portion of this expected growth, estimated at 2% annually.</p> <p>Risks</p> <p>Apart from improved access to markets through transport infrastructure investments, other support mechanisms targeting the agricultural sector may fail to materialize.</p>
<p>Outcome</p> <p>A. Improved services of Malé North Harbor</p>	<p>A. Operation</p> <p>Reduction of congestion and increase in the amount of larger vessels calling at Malé North Harbor.</p> <p>A1. Total time spent in Malé North Harbor for small vessels reduced from an average of 10 days to 8 days by August 2014, i.e. after five years of operations.</p> <p>A2. Total time spent in Malé North Harbor for large vessels decreased from an average of 15 days to 13 days by August 2014.</p> <p>A3. At least 70% of service users (i.e. vessel operators, passengers and cargo shippers) rate the harbor services "satisfactory" by 2011.</p> <p>A4. By 2014, at least 1% of passengers and cargo sellers visiting Malé North Harbor report that their trip was induced by improved services.</p> <p>A5. Average traffic flow through, as defined by number of vehicles passing through a given point, on Marine Drive along Malé North Harbor will increase by 25% by 2014.</p>	<p>A1. Harbor operation service records</p> <p>A2. Harbor operation service records</p> <p>A3. Annual harbor user survey and Government Reports or Feedback</p> <p>A4. Annual harbor user survey and Government Reports or Feedback</p> <p>A5. Baseline survey</p>	<p>Assumptions</p> <p>Construction of additional 290m quay wall is completed on time.</p> <p>Government will introduce harbor management and harbor usage charges in Malé North Harbor based on the training and capacity building outputs.</p> <p>Risks</p> <p>Factors outside the direct project scope such as improvements to transport and cargo services provided by vessel owners may influence harbor usage satisfaction.</p>

<p>B. Alignment of MTC's organizational structure with its mandate</p>	<p>B. Institutional development and capacity building</p> <p>B1. Action plan for institutional alignment of MTC's Maritime Transport activities in line with its sector mandate developed by end February 2008.</p> <p>B2. Action plan for introduction of harbor usage charges with supportive legal documentation, if necessary, developed by end September 2008.</p> <p>B3. Action plan for recommended changes to maritime safety regulations, vessel inspections and registration procedures developed by end December 2008.</p> <p>B4. Action plan for improvements to financial management systems by end May 2009.</p>	<p>B1. Institutional development and capacity building consultants' reports.</p> <p>B2. Institutional development and capacity building consultants' reports.</p> <p>B3. Institutional development and capacity building consultants' reports.</p> <p>B4. Institutional development and capacity building consultants' reports.</p>	<p>Assumptions</p> <p>Political will to implement institutional alignment and human resources enhancement efforts.</p>
<p>Outputs</p> <p>A. Capacity of Malé North Harbor enhanced</p> <p>B. Institutional capacity of MTC and MCPI upgraded</p>	<p>A1. Construction of quay wall and ancillary civil works, provision of cargo handling equipment and construction of a temporary transit area for goods and passengers completed and operational by end February 2009.</p> <p>B1. Strategic policy and planning capacity building provided.</p> <p>B2. Regulatory capacity building in harbor usage charges conducted by end September 2008.</p> <p>B3. Capacity building in maritime safety regulations, vessel inspections and registration procedures for MTC staff completed by end December 2008.</p> <p>B4. Development of a Project Performance Monitoring System, including impact indicators including environmental and social aspects^o by end October 2007.</p> <p>B5. Training in harbor management for MCPI staff completed by end March 2009.</p>	<p>Design and supervision consultants' reports</p> <p>Institutional development and capacity building consultants' reports</p> <p>Government Reports or Feedback</p>	<p>Assumptions</p> <p>Contracts for detailed design, supervision consultants and civil works are awarded on time.</p> <p>Risks</p> <p>Delays in construction due to weather conditions will affect construction schedule.</p> <p>Assumptions</p> <p>Contracts for Institutional Development and Capacity Building consultants are awarded on time.</p> <p>Risks</p> <p>Staffing of PMU and PIUs in accordance with competency requirements.</p> <p>Trained staff will be retained.</p>

	<p>B6. Development of best practices operations manual for harbor management completed by mid May 2009.</p> <p>B7. Development of best practices operations manual for financial management completed by mid May 2009.</p> <p>B8. Project Management training for MCPI completed by end February 2009.</p>		
<p>Activities with Milestones</p> <p>1. Infrastructure Investment component:</p> <p>1.1 Hire consultants by June 2007.</p> <p>1.2 Detailed Design and update of EMP completed by October 2007.</p> <p>1.3 Tender documents approved by November 2007</p> <p>1.4 Preconstruction activities — land acquisition, titling, permits, etc. completed by January 2008.</p> <p>1.5 Tendering, Bid Evaluation and Contract award, completed by February 2008.</p> <p>1.6 Civil works and installation of related equipment, completed by January 2009.</p> <p>1.7. Facilities ready for use by public 28 February 2009.</p> <p>1.8 Training in crane operations conducted by mid March 2009.</p> <p>2. Institutional Development and Capacity Building component</p> <p>Hire Consultants by end August 2007</p> <p>Sub-component 1 – Institutional Alignment of MTC’s Maritime Transport Activities with its Sector Mandate</p> <p>1.1 Review Government strategies by end October 2007.</p> <p>1.2 Review current recruitment policies and terms and conditions of service by end October 2007.</p> <p>1.3 Conduct an assessment of staff numbers and skills mix by end November 2007.</p> <p>1.4 Develop a recommendation for the proposed by end December 2007.</p> <p>1.5 Develop recommendations for possible changes and training needs of MTC’s human resources employed in maritime transport activities by end December 2007.</p> <p>1.6 Assist in ensuring broad based stakeholder consultations on the proposed realignment and human resources enhancement efforts by end December 2007.</p> <p>1.7. Assist in the preparation of documents necessary to ensure approval of the realignment by end January 2008.</p> <p>1.8 Develop a time bound action plan for implementation by end February 2008.</p> <p>Sub-component 2 – Capacity Building in MTC</p> <p>2.1 Strategic planning and policy analysis</p> <p>(a) Prepare training materials and deliver formal on-the-job training in accordance with the requirements determined in the training needs assessment by end March 2008.</p>		<p>1. Investment component:</p> <p>Total cost: \$4.38 million* ADB to finance \$3.62 million* (*Excluding taxes and duties, IDC and contingencies)</p> <p>Consulting services: 12 person-months of international input and 27 months of national experts.</p> <p>Inception Report Monthly Progress Reports Final Reports ADB Review Missions</p> <p>2. Institutional Development and Capacity Building component:</p> <p>Total cost: \$697,500* ADB to finance \$697,500* (*Excluding taxes and duties, IDC and contingencies)</p> <p>Consulting services: 25.5 person-months of international experts and 18 person-months of national experts.</p> <p>Inception Report Monthly Progress Reports Final Reports ADB Review Missions</p>	

2.2 Establishment of Harbor Usage Charges

- (a) Review the existing applicable legislation to identify the legal basis and due process for establishment of harbor usage charges. In the event no legal basis and/or process are in place, draft legal acts or amendments to the relevant legal acts and develop a recommendation on actions to be taken to set the legal framework for establishment of harbor usage charges by end May 2008;
- (b) Verify the level of harbor usage charges for Malé North Harbor necessary to achieve Government's objectives, conduct willingness to pay surveys of relevant user segments and recommend a potential harbor usage charges structure by end July 2008; and
- (c) Assist in ensuring broad based stake-holder consultations and develop a time bound action plan for implementation of the preferred harbor usage charges by end September 2008.

2.3 Maritime Safety Regulations and Vessel inspections and registration procedures

- (a) Review and assess maritime safety regulations and vessel inspections and registration procedures by end October 2008.
- (b) Identify possible enhancement to existing regulations by end November 2008.
- (c) Recommend possible changes to the regulatory framework by end November 2008.
- (d) Assist in ensuring broad based stake-holder consultations on proposed changes by end December 2008.
- (e) Assist in the preparation of documents necessary to ensure approval of the recommended changes and develop a time bound action plan for implementation by end December 2008.

2.4 Develop a Project Performance Monitoring System, including project impact indicators by end October 2007.

Sub-component 3 – Capacity Building in MCPI

3.1 Harbor Management Training

- (a) Develop a training program for MCPI/PWS staff by end January 2009.
- (b) Implement the training program through formal and on-the-job training by end March 2009.
- (c) Develop a harbor management manual by mid May 2009.

3.2 Financial Management Training

- (a) Review present accounting and budgeting systems and practices and recommend improvements and modifications by end October 2008.
- (b) Review and recommend improvements to the financial model for revenue and cost management, including harbor usage charges by end December 2008.
- (c) Assist in ensuring consultations on the changes to (a) and (b) by end January 2009.
- (d) Assist in preparation of documents necessary to ensure approval of the new systems as in (a) and (b) by end February 2009.
- (e) Develop a time bound action plan for implementation and operations manual by mid May 2009.

^a Agricultural Development Master Plan, Maldives, 2006-2020, Final Draft, September 2006, prepared by the Government of the Maldives with assistance from the Food and Agriculture Organization of the United Nations (FAO).

^b Environmental quality indicators have been identified in the IEE Report.

ADB = Asian Development Bank, EMP = environmental management plan, MCPI = Ministry of Construction and Public Infrastructure, MTC = Ministry of Transport and Communication, PIU = project implementing unit, PMU = project management unit, PWS = Public Works and Services.