



Draft Design and Monitoring Framework

Project Number: 37530
September 2006

TAJ: Rural Development

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 Farm and non-farm incomes of rural households increased</p>	<p>Farm incomes of rural households increase from about TJS 200 to TJS580 (rainfed farms) TJS800 (irrigated farms)</p> <p>Non-farm incomes of rural households increase 35%</p> <p>Number of poor households reduced by 25%</p>	<p>Farm and business survey national and regional statistics Project Completion Report</p> <p>National and regional statistics Project Completion Report</p> <p>Income and poverty surveys Project Completion Report</p>	<p>Assumptions Macroeconomic conditions are stable or improved</p> <p>Commodity prices remain stable</p>																														
<p>Outcome Productivity of farms and rural enterprises in five Project raions increased within an environmentally sustainable management framework</p>	<p>Yields (mt/ha) increase by 2014:</p> <p>Rainfed:</p> <table style="margin-left: 20px;"> <tr> <td></td> <td style="text-align: center;">From</td> <td style="text-align: center;">To</td> </tr> <tr> <td>Wheat</td> <td style="text-align: center;">1.4</td> <td style="text-align: center;">1.7</td> </tr> <tr> <td>Potatoes</td> <td style="text-align: center;">10.0</td> <td style="text-align: center;">12.5</td> </tr> <tr> <td>Orchards</td> <td style="text-align: center;">1.0</td> <td style="text-align: center;">1.5</td> </tr> <tr> <td>Fodder</td> <td style="text-align: center;">20.0</td> <td style="text-align: center;">24.0</td> </tr> </table> <p>Irrigated:</p> <table style="margin-left: 20px;"> <tr> <td></td> <td style="text-align: center;">From</td> <td style="text-align: center;">To</td> </tr> <tr> <td>Wheat</td> <td style="text-align: center;">3.0</td> <td style="text-align: center;">3.8</td> </tr> <tr> <td>Potatoes</td> <td style="text-align: center;">22.5</td> <td style="text-align: center;">29.5</td> </tr> <tr> <td>Orchards</td> <td style="text-align: center;">2.2</td> <td style="text-align: center;">4.2</td> </tr> <tr> <td>Fodder</td> <td style="text-align: center;">40.0</td> <td style="text-align: center;">48.0</td> </tr> </table> <p>25% of participating farms reach a commercial level of production (over 50% of produce sold for cash)</p> <p>Rural enterprise turnover increased by ____</p>		From	To	Wheat	1.4	1.7	Potatoes	10.0	12.5	Orchards	1.0	1.5	Fodder	20.0	24.0		From	To	Wheat	3.0	3.8	Potatoes	22.5	29.5	Orchards	2.2	4.2	Fodder	40.0	48.0	<p>National and regional statistics Farm surveys Project Completion Report</p> <p>Project surveys Project Progress Reports Project Completion Report</p> <p>Project surveys Project Progress Reports Project Completion Report</p>	<p>Assumptions Security of land use maintained</p> <p>Farmers have freedom to farm and operate independently of any outside interference</p> <p>Substantially reduced interference of public officials in private business maintained</p> <p>Risks Continued delays in the land reform process</p>
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<p>Outputs 1. Policy and Institutional Development and Reform 1.1 Land Use Rights Secured</p>	<p>Raion Administrations operating efficient, transparent, fair and effective land registration systems by end year 3</p> <p>100% of dekhan farms with land certificates (% of women)</p> <p>Incidents of land disputes identified and resolved</p>	<p>Farm surveys</p> <p>SCLM reports Project surveys</p> <p>Farm surveys Agency reports</p>	<p>Assumptions Farmers willing and able to participate in Project activities</p> <p>Raion Administrations actively participate in the project and adopt a positive attitude to improving land use security and farm</p>																														

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<p>1.2 Policies and Institutions for Pasturelands Improved</p> <p>1.3 Administration and Institutional Aspects of Business Development Improved</p>	<p>No farmers reporting compulsory land usage</p> <p>National policy and strategy for pastureland and livestock management year 2</p> <p>Restructured institutions for pastureland management year 6</p> <p>Legislation approved year 4</p> <p>Equitable access to all categories of pastures</p> <p>Streamlined business registration process installed in all raions year 3</p> <p>Reduced registration time</p> <p>Reduced inspection frequency and duration</p> <p>Incidence of business interference by raion authorities eliminated</p>	<p>Farm surveys</p> <p>Presidential Decree issued</p> <p>Reduced number of institutions and changed functions and responsibilities</p> <p>Legislation enacted</p> <p>Raion Administration reports Project surveys Raion Administration reports</p> <p>Raion Administration reports Project surveys</p> <p>Raion Administration reports Project surveys</p> <p>Raion Administration reports Project surveys</p>	<p>productivity</p> <p>Risks Change in Government strategy</p> <p>Assumptions Government accepts the recommendations of the study and moves quickly to implement</p> <p>Assumptions Raion Administrations actively participate in the project and adopt a positive attitude to enable businesses to register and operate in a fair and transparent business environment</p>
<p>2. Pasture, Arable and Forest Land Management Improvement</p> <p>2.1 Pasture and Livestock Planning and Management Skills Demonstrated</p>	<p>At least four pilot sites based on at least two different livestock production systems reformed pastureland and management systems year 2</p> <p>Methodologies for reorganization of pastureland administration and tenure extended by raion authorities to all areas year 4</p> <p>Increased livestock production from demonstration sites</p>	<p>Project reports</p> <p>Project survey</p> <p>Project reports</p>	<p>Assumptions Raion authorities prepared to adopt new methodologies for pastureland administration and tenure</p> <p>Risks Households and institutions not prepared to change from present pastureland and livestock management system</p> <p>Unable to dislodge current 'elite' capture of prime pastureland</p>

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2.3 Capacity for Effective Land Management Improved	<p>Improved land condition and associated biodiversity, soil and hydrological benefits at demonstration sites</p> <p>Improved performance of actual livestock systems under new forms of management, including pastureland condition, biodiversity status, soil quality and hydrological functioning, and livestock and economic performance</p> <p>New approaches and techniques for monitoring livestock and pastures is adopted by raion authorities year 4</p> <p>Trained pastureland planning and management graduates (% of women)</p> <p>Trainers demonstrate competency in new approaches and techniques</p> <p>Research by Tajikistan institutions is internationally accepted</p> <p>Institutional link is established between foreign and local training institutions year 3</p>	<p>Project reports</p> <p>Project surveys Project reports</p> <p>Raion monitoring reports</p> <p>University reports</p> <p>Articles in international journals or presentation at international conferences</p>	
2.4 Degraded Lands Rehabilitated	<p>35 % farmers practicing appropriate land management techniques</p> <p>Farming on sloping land above 30 degrees eliminated</p> <p>25% of pasture and sloping agriculture land managed sustainably</p> <p>% of degraded land rehabilitated</p> <p>% forest land replanted</p>		

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<p>3. Agriculture and Rural Business Support</p> <p>3.1 Demand-driven Farm and Rural Business Advisory Services Established and Sustainably Operated</p>	<p>Advisory centers established</p> <p>___ master farmers trained and competent to deliver required training (% of women)</p> <p>___ farmers adopting improved farming practices (% of women)</p> <p>Service Centers privatized year 5</p> <p>Staff of appropriate agriculture training institutions competent to deliver farm management, extension, and farm business development courses</p> <p>Number of enterprises supported and established/expanded</p> <p>Diversity of enterprises increased</p> <p>Number of contracts developed with marketing outlets and agribusinesses</p> <p>Number of export links established and maintained</p> <p>Up to ___ entrepreneurs trained in organizational, management, and financial arrangements for business enterprises</p>	<p>Project reports</p> <p>Advisory center reports Project reports</p> <p>Farm survey Advisory center reports Project reports</p> <p>Project reports</p> <p>Project Reports</p> <p>Advisory center reports Project reports</p> <p>Advisory center reports Project reports</p> <p>Project survey Project reports</p>	<p>Assumptions Participants are willing to implement training in practice</p> <p>Government supports the adoption of new techniques and improved farm practices</p> <p>All inputs are available and accessible in adequate quantities and on a timely basis</p> <p>Private sector develops in input supply, machinery services, marketing and agroprocessing</p> <p>Farmers access adequate levels of working capital and investment finance</p> <p>Risks Transport costs and informal charges remain prohibitive to exporting produce</p>
<p>3.2 Market Information System Operational</p>	<p>Market information regularly reaches 50% of farmers</p> <p>Number of farmers requesting services and willingness to pay</p>	<p>Project survey Project reports</p>	
<p>4. Rural Infrastructure Development</p>			

Design Summary	Performance Targets/Indicators	Data Sources/Reporting Mechanisms	Assumptions and Risks
4.1 Raion Infrastructure Improved with Sustainable O&M Arrangements	<p>Raion level infrastructure project completed with 100% O&M funding</p> <p>User associations formed and responsibilities for O&M agreed for each relevant project site (% of women)</p> <p>Raion Administrations establish effective systems for maintenance</p> <p>Infrastructure effectively maintained</p>	<p>Raion report Project report</p> <p>Raion report Project report</p> <p>Raion report Project report</p> <p>Raion report Project report</p>	<p>Assumptions Identification and prioritization process is sufficiently participative to ensure community is willing to maintain completed infrastructure</p> <p>Raion allocates required maintenance resources</p> <p>Risks Insufficient funds available for regular maintenance</p>
4.2 Community Level Infrastructure Improved with Sustainable O&M Arrangements	<p>Community level infrastructure project completed with 100% O&M funding</p> <p>User associations formed and responsibilities for O&M agreed for each relevant project site (% of women)</p> <p>Raion and Jamoat Administrations establish effective systems for maintenance</p> <p>Infrastructure effectively maintained</p>	<p>Raion report Project report</p> <p>Raion report Project report</p> <p>Raion report Project report</p> <p>Raion report Project report</p>	<p>Assumptions Identification and prioritization process is sufficiently participative to ensure community is willing to maintain completed infrastructure</p> <p>Raion allocates required maintenance resources</p> <p>Risks Insufficient funds available for regular maintenance</p>
4.3 Raion and Jamoat Infrastructure Planning and Maintenance Capacity Improved	<p>Infrastructure plans developed for sectors with projects being submitted for Project financing</p> <p>Each project proposal includes realistic physical and financial maintenance plan</p>	<p>Raion report Project report Raion and jamoat plans Project reports</p> <p>Project proposals</p>	
5. Project Management 5.1 Project Managed Effectively	<p>Timely implementation of work schedule and delivery of inputs and outputs for the Project</p> <p>Timely, accurate, and comprehensive reporting of Project's progress to Government and ADB</p>	<p>Annual work plans and budgets</p> <p>Project reports</p>	<p>Assumptions International and national consultants provide effective support to MOA and implementing agencies</p> <p>Implementation and management arrangements can deal effectively with interference from influential parties</p>

Design Summary	Performance Targets/Indicators	Data Sources/Reporting Mechanisms	Assumptions and Risks
5.2 Project Monitored and Evaluated Effectively	Effective project management and monitoring systems, including Project Performance Management System (PPMS) operationalized	M&E reports	
Activities 1.1.1 Prepare and conduct awareness program for raion official and farmers 1.1.2 Conduct survey of practices in land registration and agree good practices for implementation 1.1.3 Prepare and conduct legal literacy and legal aid initiatives 1.1.4 Identify and complete registration of all dekhana farms 1.1.5 Develop mechanism for resolution of land disputes 1.1.6 Develop monitoring mechanisms to assess performance to raion administration in improving land security 1.2.1 Conduct international conference on pastureland management 1.2.2 Undertake analytical study on pastureland and livestock management 1.2.3 Conduct national workshop and disseminate findings and recommendation of analytical study 1.2.4 Facilitate the preparation of a national policy and strategy for pastureland and livestock management 1.2.5 Assist preparation of related legislation, policy and institutional reforms 1.2.6 Develop mechanisms for monitoring implementation of proposed policy and strategy 1.2.7 Conduct regional workshops to disseminate recommendations 1.3.1 Conduct economic study of costs of administrative interference 1.3.2 Conduct training for raion and jamoat staff in business legislation 1.3.3 Prepare pilot and revise a simplified registration procedure for businesses and dekhana farms 1.3.4 Develop mechanisms for monitoring business environmental performance of raion and jamoat authorities 2.1.1 Establish pilot sites to demonstrate new pastureland and limited planning and management techniques 2.1.2 Design monitoring protocols for farm level planning and management 2.1.3 Rehabilitate and revegetate selected pasturelands 2.1.4 Develop and implement appropriate monitoring mechanism, including surveys 2.1.5 Review and adapt methodology and planning for expansion nationwide 2.2.1 Contract international institutions 2.2.2 Prepare appropriate curricula on pastureland management for university and vocational level institutions 2.2.3 Conduct training at appropriate institutions 2.2.4 Establish a network of cooperating institutions 2.2.5 Conduct training for students on demonstration sites 2.2.6 Establish links with extension services 2.2.7 Identify candidates of relevant educational institution for overseas university level training 2.3.1 Undertake assessment of degradation of arable land in association with CACILM activities 2.3.2 Conduct activities and revegetate degraded areas 2.3.3 Develop pilot demonstration to introduce improved land reclamation practices and on-farm water management technologies and practices 2.3.4 Conduct activities to improve community forestry management. 3.1.1 Undertake assessment of demand for agricultural and rural business advisory services and determine appropriate size of advisory center and training and advise to be provided. 3.1.2 Develop bidding documents and contract NGOs to establish advisory centers 3.1.3 Monitor performance of NGOs and advisory centers			Inputs ADB Loan – \$ 8.8 million ADB Grant – \$ 8.3 million GEF – \$3.5 million Government – \$ 1.9 million Beneficiaries – \$1.9 million

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3.1.4	Explore options for developing agriculture extension and farm management programs at appropriate institution		
3.1.5	Explore mechanism for the prioritization of advisory centers		
3.1.6	Identify appropriate MFIs for channeling microcredit and develop appropriate contracts		
3.2.1	Prepare bidding documents and contract appropriate agency for establishment of MIU		
3.2.2	Provide assistance to MIV for import substitutes and export promotion		
4.1.1	Support raions in establishing appropriate community-based organization and consultative process for both raion and jamoat		
4.1.2	Assess and finance feasible raion and community infrastructure projects		
4.2.1	Undertake appropriate training at jamoat level		
4.3.1	Assist with preparation of subsector plans		
4.3.2	Conduct training in planning process and preparation of investment proposal		
4.3.3	Assist in developing linkages between investment maintenance proposals and available funding		