



LN 8244-KZ

Supplemental Letter No. 2

**REPUBLIC OF KAZAKHSTAN**

April 29, 2014

International Bank for  
Reconstruction and Development  
1818 H Street, N.W.  
Washington, D.C. 20433  
United States of America

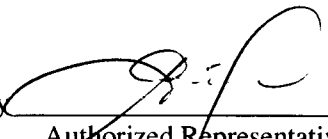
Re: Loan No. 8277-KZ  
(Second Irrigation and Drainage Improvement Project)  
Performance Monitoring Indicators

Dear Sirs and Mesdames:

This refers to paragraph A.1 of Section II of Schedule 2 to the Loan Agreement of even date herewith between the Republic of Kazakhstan (the Borrower) and the International Bank for Reconstruction and Development (the Bank). The Borrower hereby confirms to the Bank that the indicators set out in the attachment to this letter shall serve as a basis for the Borrower to monitor and evaluate the progress of the Project and the achievement of the objectives

Very truly yours,

**REPUBLIC OF KAZAKHSTAN**

By   
Authorized Representative

Attachment

## Second Irrigation and Drainage Improvement Project

Performance Monitoring Indicators**Project Development Objectives**

## PDO Statement

The Project development objective is to improve irrigation and drainage service delivery to support farmers in the Project areas. This will be achieved through rehabilitation and modernization of irrigation and drainage systems; improved management, operation and maintenance of these systems; and more efficient use of associated irrigated lands; all with improved participation of users in developing and managing the rehabilitated / modernized systems.

These results are at

**Project Development Objective Indicators**

Indicator Name	Core	Unit of Measure	Baseline	Cumulative Target Values							Frequency	Data Source/ Methodology	Responsibility for Data Collection
				YR1	YR2	YR3	YR4	YR5	YR6	End Target			
Water users provided with new/improved irrigation and drainage services (number)	Yes	Number	0	0	0	48000	75000	90000	120000	120000	Annual	Field visits, baseline and impact assessment surveys	PMU supported by M&E consultants
Water users provided with irrigation and drainage services - female (number)	Yes	Number Sub-Type Breakdown	0	0	0	16000	25000	30000	40000	40000	Annual	Field visits, baseline and impact assessment surveys	PMU supported by M&E consultants

Area provided with irrigation and drainage services - Improved (ha)	Yes	Hectare (Ha) Sub-Type Breakdown	0	0	0	40000	60000	80000	10000	100000	Annual	Field visits, baseline and impact assessment surveys	PMU supported by M&E consultants
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### Project Development Objective Indicators

Indicator Name	Description (indicator definition etc.)
Water users provided with new/improved irrigation and drainage services (number)	This indicator measures the number of water users who are provided with irrigation and drainage services under the project.
Water users provided with irrigation and drainage services - female (number)	This indicator measures the number of female water users who are provided with irrigation and drainage services under the project.
Area provided with irrigation and drainage services - Improved (ha)	This indicator measures the total improved area of land provided with irrigation and drainage services under the project, including in (i) the improved area provided with new irrigation and drainage services, and (ii) the improved area provided with improved irrigation and drainage services, expressed in hectare (ha).

### Intermediate Results Indicators

Indicator Name	Description (indicator definition etc.)
Number of Subprojects where detailed designs and EAs/EMPs are prepared (Component 1, supported by Components 2 and 3)	Funded mainly by Component 1 (design TA) but facilitated by the participatory approach introduced and funded by Component 2.
Incremental irrigation-water added (Component 1)	Monitored physically by flow meters or estimated desk-based by correlating the increased yield to the increased water (through yield-response functions such as from FAO33 or FAO56).

Operational water user associations created and/or strengthened (number)	This indicator measures the number of water user associations created and/or strengthened under the project that are operational.
Client days of training provided (number)	This indicator measures the number of client days of training provided i.e. the number of clients who completed training multiplied by the duration of training expressed in days.
Client days of training provided - Female (number)	This indicator measures the number of female client days of training provided i.e. the number of female clients who completed training multiplied by the duration of training expressed in days.
Number of Subprojects where “Water Information and Communication Technology” (e.g. Remote Sensing, GIS modeling) is developed to help modernize Subproject performance (Component 2)	This infers an important subcomponent of Component 2 which introduces low-cost modern approaches to off-farm and on-farm water management.
Local government units strengthened (via establishing Rural Support Units and Farmer Support Centers) to provide irrigation and agronomic advisory services (Components 2 and 3)	The RSUs and FSCs (as part of the project-wide TA) would probably be housed in the same premises of CWR/KVK raion-level offices (10to 12 offices). The target number here expresses the total number of thematic units where the mandate of RSUs (10-12 units) is distinct from that of a FSC (9-10 units), not the number of physical units.