

OFFICIAL CR 5888-AL  
DOCUMENTS

ISLAMIC REPUBLIC OF PAKISTAN  
PROVINCE OF SINDH

August 31, 2016

International Development Association  
1818 H Street NW  
Washington, DC 20433  
United States of America

**Re: Credit Number 5888-PK  
(Sindh Resilience Project)  
Performance Monitoring Indicators**

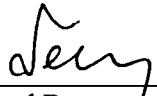
Dear Sir/Mesdames:

We refer to Section II A of Schedule 2 of the Financing Agreement (Sindh Resilience Project) between the Islamic Republic of Pakistan the "Recipient" and the International Development Association "Association" and Section II A.1 of Schedule to the Project Agreement between the International Development Association and Province of Sindh (Project Implementing Entity) of even date herewith for the above-mentioned project.

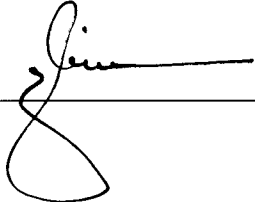
We hereby agree that the Performance Monitoring Indicators to monitor and evaluate the carrying out of the Project and the achievement of the objectives thereof are those set forth in the Attachment to this letter.

Very truly yours,

ISLAMIC REPUBLIC OF PAKISTAN

By   
Authorized Representative

PROVINCE OF SINDH

By 

Attachment

**Results Framework and Monitoring**  
**PAKISTAN: SINDH RESILIENCE PROJECT**

The objectives of the Project are to mitigate flood and drought risks in selected areas and to strengthen Sindh's capacity to manage natural disasters.												
PDO Level Results Indicators	Core	Unit of Measure	Baseline	Cumulative Target Values					Frequency	Data Source/ Methodology	Responsibility for Collection	Notes
				YR 1	YR 2	YR3	YR4	YR5				
<b>Indicator One:</b>												
(a) Direct project beneficiaries;	X	Number	0	700,000	1,330,000	2,613,000	4,039,000	5,065,000	Annual	Project Reports	SID, PDMA Sindh	Baselines have been estimated on the basis of areas that have remained protected from
(b) Of which female beneficiaries		Percentage	0	50%	50%	50%	50%	50%				
(c) Number of people protected through project interventions from natural disasters, including:		Number	135,000	700,000	2,000,000	3,030,000	5,065,000	5,065,000	Annual	Design, Feasibility, and Completion Reports; and Progress Reports	SID	flood events since 2010 owing to secondary protection infrastructure such as bunds for urban areas.  Target numbers for beneficiary population will be
Floods	Number	135,000	700,000	1,330,000	2,600,000	4,000,000	5,000,000					
Drought	Number	0	0	0	13,000	39,000	65,000					
Other	Number	0	0	0	0	0	0					
<b>Indicator Two:</b>												
Land area protected through project interventions from natural disasters, including:		Hectares	13,700	20,500	205,000	313,200	517,000	517,000	Annual	Design, Feasibility, and Completion Reports; and Progress Reports	SID	finalized based upon actual selection of flood protection and small dams investments through framework approach. Final targets (beneficiary numbers and land area) will be available from feasibility reports.  Current targets are based on estimated area and population to be protected from
Floods	Hectares	13,700	71,500	140,000	265,000	405,000	510,000					
Drought	Hectares	0	0	0	1,400	4,200	7,000					
Other	Hectares	0	0	0	0	0	0					

												<p>flooding and drought from the preliminary list of investments proposed by Sindh Irrigation Department.</p> <p>Currently, only flood and drought benefits can be estimated. Targets and progress may be tracked for other disasters based on interventions implemented by PDMA Sindh.</p>
<b>Indicator Three:</b> Improved institutional capacity for disaster and climate risk management		Text	No SOPs for Sindh disaster fund; limited disaster management plans at sub-national levels.	Disaster Risk Financing Strategy developed for GoSindh	Emergency Operations Centers (EOCs) set up at PDMA Sindh; Improved flood risk information available for planning.	SOPs for Sindh Disaster Mgmt. Fund (SDMF) operationalized.	Emergency Operations Centers (EOCs) set up at DMAs	Integrated disaster management plans adopted by government departments at sub-national levels	Annual	Institutional coordination reviews	PDMA Sindh	Assessed through an evaluation of institutional coordination mechanisms (before-after analysis).
<b>Indicator Four:</b> Number of people at risk receiving timely and more accurate early warning notifications		Number	30,000	30,000	100,000	200,000	400,000	500,000	Annual	Project reports of piloting and simulations	PDMA Sindh	Indicator to measure both enhanced dissemination and improvements in timeliness / contents of early warning notifications, based on (i) inputs available through strengthened Decision Support System at Irrigation Department for flood

													management; and (ii) improved capacity at PDMA Sindh to access, process and collate information for early warnings
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**INTERMEDIATE RESULTS**

**Component 1 – Strengthening Disaster and Climate Risk Management**

Intermediate Results Indicators	Core	Unit of Measure	Baseline	Cumulative Target Values					Frequency	Data Source/ Methodology	Responsibility Collection	Notes
				YR 1	YR 2	YR3	YR4	YR5				
<b>Indicator One:</b> Number of Risk identification studies completed.		Number	0		1	2	4	4	Annual	Project Reports, Analytical outputs	PDMA Sindh	Envisaged studies to focus on multi-hazard risk assessments, including: cyclones and rising sea levels, seismic, riverine flooding, urban and flash flooding, etc.
<b>Indicator Two:</b> Development and adoption of operational procedures for responding to disasters		Text	Weak planning for few areas			Procedures developed	Procedures operationalized in priority areas.	Procedures operationalized in all areas.	Annual (Years 3 and 4)	Project Reports	PDMA Sindh	Implementation of procedures to be measured through evaluations in years 4 and 5.
<b>Indicator Three:</b> Development and adoption of SOPs for Sindh Disaster Management Fund (SDMF)		Text	SOPs do not exist	SOPs developed	SOPs adopted by GoSindh	SOPs operationalized	SOPs operationalized	SOPs operationalized	Annual (Years 3 and 4)	Project reports	PDMA Sindh	

**Component 2 - Improving Infrastructure and Systems for Resilience**

Intermediate Results Indicators	Core	Unit of Measure	Baseline	Cumulative Target Values					Frequency	Data Source/ Methodology	Responsibility for Collection	Notes
				YR 1	YR 2	YR3	YR4	YR5				
<b>Indicator One:</b> Length of embankments rehabilitated or constructed under the Project		Kilometer	0	30	60	110	160	200	Annual	Design, Feasibility and Completion Reports	SID	Target numbers depend upon selection of flood protection investments through framework approach.

<b>Indicator Two:</b> Number of small recharge dams constructed in water scarce areas of Sindh		Number	30	30	30	33	39	44	Annual	Design, Feasibility and Completion Reports	SID	
<b>Indicator Three:</b> Establishment of a Decision Support System (DSS) for SID		Yes/No	No			Yes	Yes	Yes	Annual (Years 3 and 4)	Project Reports	SID	DSS to facilitate evidence based decision making for selecting optimal breaching sites, managing flood peaks, etc.
<b>Citizen Engagement Indicators</b>												
<b>Intermediate Results Indicators</b>	<b>Core</b>	<b>Unit of Measure</b>	<b>Baseline</b>	<b>Cumulative Target Values</b>					<b>Frequency</b>	<b>Data Source/ Methodology</b>	<b>Responsibility for Collection</b>	<b>Notes</b>
				<b>YR 1</b>	<b>YR 2</b>	<b>YR3</b>	<b>YR4</b>	<b>YR5</b>				
<b>Indicator One:</b> Percentage of respondents in Beneficiary Surveys reporting that the public consultation and information sharing process was satisfactory.	X	Percentage	0		60			80	Year 2 and End of Project	Beneficiary Surveys	SID and PDMA Sindh	Two instances of Beneficiary Surveys will be conducted, after Year 2 and prior to Project Closure.
<b>Indicator Two:</b> Percentage of respondents indicating satisfaction with the timeliness and transparency of the GRM.	X	Percentage	0	60	65	70	75	80	Annual	GRM Systems	SID and PDMA Sindh	Respondent satisfaction will be measured under the Grievance Resolution Mechanism at the complaint registration and resolution stage for each complainant