

**SINDH RESILIENCE PROJECT (SRP)
(IRRIGATION COMPONENT)**

**TERMS OF REFERENCE
FOR
THIRD PARTY MONITORING & VALIDATION**

Background:

The Government of Sindh (GoS) through the Sindh Irrigation Department (SID) and Provincial Disaster Management Authority (PDMA) has undertaken World Bank financed Sindh Resilience Project (SRP) in various parts of Sindh Province. The project aimed to enhance disaster and climate resilience; increase the technical capacity of Government entities to manage natural disasters and climate variability; construction of small dams to address drought in water scarce areas and support restoration of flood protection infrastructure along Indus River. World Bank has provided the additional financing for the Sindh Resilience Project Phase- II.

Main objectives in the phase – II (Irrigation Component) project are;

- **Improving Infra-structure and Systems for Resilience**
 - i. Construction of 53 Nos. of small recharge dams in water scarce areas of Sindh.
 - ii. Conducting different Technical Studies to enhance the material knowledge and inform decision making.

Objective

The objective of this activity is to procure services of a consultancy firm to carry out overall monitoring & validation of the Sindh Resilience Project (Irrigation Component) and identify the areas for the corrective measures for efficient and timely implementation of the project.

Scope of Work:

The consultant firm shall be responsible for undertaking following tasks:

- Conduct overall Monitoring and Validation of project activities vis-à-vis project Results Framework (RF) as indicated in the Project Documents (Annex I).
- Collect information and provide inputs to periodically update the Results Framework and share with SRP PMU, including developing baselines where required. Also provide supporting documents utilized as an evidence to update the Results Framework.
- Quarterly review procurement process of Works, Services & Goods as per World Bank Regulations/Guidelines.
- Ensure compliance to financial management procedures and financial rules on quarterly basis.
- -Undertake assessment to ensure that Fixed Asset Management SOPs are followed, goods procured are according to the specifications, properly tagged, and record maintained in the inventory system.
- Conduct regular field visits in each Region (Nagarparkar, Lower, Central and Upper Kohistan) in alternative months to monitor, validate and submit detailed monthly report on;

- Quality and quantity of Work, Quality Tests Performed, material specification used and other.
- Implementation of ESMPs and COVID-19 SOPs.
- Implementation of GRM and suggestion for improvements.
- Conduct site visits of the completed dams from Phase – I, and assess and compare the impact of dams before and after the construction on the following parameters;
 - Percentage of monitoring wells where annual average water level has increased by 50 percent compared to baseline (Percentage).
 - Total increase of cultivable command area Hectare (Ha).
 - Percentage increase in the project area population due to in-migration (Percentage).
 - Percentage of respondents in beneficiary surveys reporting an increase in household incomes (number).
- Organize community consultations with beneficiary communities of infrastructure investments and document their feedback on consultation sessions, Grievances handling and the benefits they received as a result of project interventions.
- Develop a short report capturing the impacts, lessons learned and best practices as a result of SRP activities. Also provide recommendations for potential improvement.

Deliverables:

1. Inception report with detailed work plans and assessment tool(s) to be submitted after one (1) month of signing of the contract.
2. Consultant will submit region wise reports and visit each region/s alternative month and submit report. Total 24 monthly reports and 1 final report will be submitted by the consultant.

Expected Time Frame:

Expected period of the assignment is 2 years after signing the contract between the Client and a Consulting Firm.

Coordination:

The consulting firm will report to the Project Director, Sindh Resilience Project or any other staff designated. All work must be approved by the Project Director or the designated staff. Necessary data would be provided by the Project Management Team for consultant review and for preparation of the tasks.

Qualifications:

The interested firm must have:

- 10 years' overall post registration experience with five years in monitoring, assessing, validation/verification of indicators and evaluating public and/or private sector programs of scale comparable scale and complexity.
- Documented experience of developing monitoring indicators, tools and systems measuring target achievements
- Verifiable statistical and research, monitoring and evaluation expertise, as relevant to the TORs.

- Documented experience of preparing quality reports which are concise and succinct to allow policy and technical decisions.
- Should have completed at least two similar projects of comparable scale and complexity
- Should have an overall HR that substantially corresponds to areas covered on ToRs (See Team of Key Experts in ToRs). [Specific CVs and nomination not required at shortlisting stage]

Selection Process

A consulting firm(s) / Joint Venture(s) will be selected in accordance with the procedures set out in the “World Bank Procurement Regulations for IPF Borrowers (July 2016) revised November 2017 & August 2018 (“Procurement Regulations”) following Consultant’s Qualifications Based Selection (CQS) Method

Consultant firms that have provided, Third Party Monitoring & Validation and Project Implementation Consultants services in the SRP (Irrigation Component) shall be excluded from the participation.

NAME OF SMALL DAMS UNDER CONSTRUCTION IN PHASE - II

S.No	Name of Dam
1	Narani
2	Buzeh
3	Khar Gani
4	Toopi
5	Khinji
6	Tunni
7	Gaarelo
8	Khurrand
9	Jam Dattar
10	Bandakha
11	Baaro
12	Chakri
13	Churlo
14	Sunn -2
15	Tikho-III
16	Pipre Baricha
17	Ghulam Mustafa
18	Kamal Shodo
19	Kand Nai
20	Asabo
21	Moosa Choro
22	Purkhani
23	Sangchat Jo Tar
24	Gurrand
25	Janai
26	Hub 3

27	Hub 2
28	Hub 1
29	Gadap -2
30	Khuda Bux
31	Lat 2
32	Jharando – 2
33	Gorban Bhatti
34	Dahri Sharif Dam (Malir Nai)
35	Jharando-1
36	Gaib Janan
37	Jaganwari
38	Tungwari
39	Darig
40	Samlee
41	Paro Jo Wandhio
42	Sheriyon
43	Bhatta Siro 2
44	Sohrio Wah
45	Namaro
46	Viakasar
47	Gordhro-2
48	Sudran Nadi
49	Adhigam - Syed Alam Shah
50	Nagar-2
51	Jhanjoo
52	Pathar
53	Targaam Budhesar

NAME OF DAMS CONSTRUCTED IN PHASE – I

S.No	Name of Dam
1	Konkar
2	Karmatiani
3	Sabusan
4	Sankar
5	Bhansar/Rathi
6	Tikho – II
7	Sureshi
8	Dhal Dhoru
9	Gabol
10	Naing-II
11	Nali
12	Jungshahi
13	Aripir
14	Upper Mole – II

Annex – I Results Framework and Monitoring

PAKISTAN:

SINDH RESILIENCE PROJECT

Results Framework

Project Development Objectives

PDO Statement

The objectives of the Project are to mitigate flood and drought risks in selected areas and to strengthen Sindh's capacity to manage

These results are at | Project Level

natural disasters.

Project Development Objective Indicators

Indicator Name	Baseline	Cumulative Target Values					
		YR1	YR2	YR3	YR4	YR5	End Target
Direct project beneficiaries (Number) - (Core)	0.00	700000.00	1330000.00	2613000.00	4039000.00	5065000.00	5065000.00
Female beneficiaries (Percentage - Sub-Type: Supplemental) - (Core)	0.00	50.00	50.00	50.00	50.00	50.00	50.00
Number of people protected through project interventions from natural disasters, including: (Number - Sub- Type: Supplemental)	0.00	700000.00	1330000.00	2613000.00	4039000.00	5065000.00	5065000.00

Floods (Number - Sub-	0.00	700000.00	1300000.00	2600000.00	4000000.00	5000000.00	5000000.00
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Type: Breakdown)							
Drought (Number - Sub-Type: Breakdown)	0.00	0.00	0.00	130000.00	39000.00	65000.00	65000.00
Other (Number - Sub-Type: Breakdown)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Land area protected through project interventions from natural disasters, including: (Hectare(Ha))	0.00	71500.00	140000.00	266400.00	409200.00	517000.00	517000.00
Floods (Hectare(Ha) - Sub-Type: Breakdown)	0.00	71500.00	1400000.00	265000.00	405000.00	510000.00	510000.00
Drought (Hectare(Ha) - Sub-Type: Breakdown)	0.00	0.00	0.00	1400.00	4200.00	7000.00	7000.00
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 Management Fund (SDMF) operationalized.	Emergency Operations Centers (EOCs) set up at DMAs	Integrated disaster management plans adopted by government departments at sub- national levels	Integrated disaster management plans adopted by government departments at sub- national levels.
Number of people at risk receiving timely and more accurate	0.00	30000.00	100000.00	200000.00	400000.00	500000.00	5000000.00

early warning notifications. (Number)							
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Intermediate Results Indicators

Indicator Name	Baseline	Cumulative Target Values					
		YR1	YR2	YR3	YR4	YR5	End Target
Number of Risk identification studies completed (Number)	0.00	0.00	1.00	2.00	4.00	4.00	4.00
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.	Procedures operationalized in all areas.
Development and adoption of SOPs for Sindh Disaster Management Fund (SDMF) (Text)	No SOPs exist	SOPs developed	SOPs adopted by GoSindh	SOPs operationalized	SOPs operationalized	SOPs operationalized	SOPs operationalized
Length of embankments rehabilitated or constructed (Kilometers)	0.00	30.00	60.00	110.00	160.00	200.00	200.00
Number of small recharge dams constructed (Number)	30.00	30.00	30.00	33.00	39.00	44.00	44.00

Establishment of a Decision Support System (DSS) for SID (Yes/No)	No	No	No	Yes	Yes	Yes	Yes
Percentage of respondents in Beneficiary Surveys reporting that the public consultation and information sharing process was satisfactory. (Percentage)	0.00		60.00			80.00	80.00
Percentage of respondents indicating satisfaction with the timeliness and transparency of the GRM. (Percentage)	0.00	60.00	65.00	70.00	75.00	80.00	80.00
Percentage of monitoring wells where annual average water level has increased by 50 percent compared to baseline (Percentage)	0.00	0.00	20.00	40.00	60.00	80.00	80.00

Total increase of culturable command area (Hectare(Ha))	0.00	0.00	10,000.00	30,000.00	50,000.00	80,000.00	80,000.00
Percentage increase in the project area population due to in-migration (Percentage)	0.00	0.00	2.00	4.00	8.00	10.00	10.00
Percentage of respondents in beneficiary surveys reporting an increase in household income (Number)	0.00	0.00	10.00	20.00	40.00	60.00	60.00
Percentage of labor force employed for small dam construction who are female (Percentage)	0.00	1.00	15.00	15.00	15.00	15.00	15.00