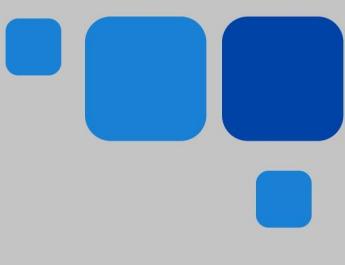
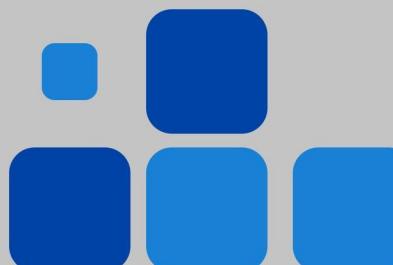
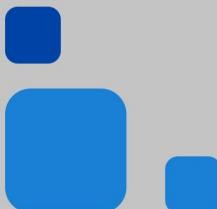


BALOCHISTAN WATER RESOURCES DEVELOPMENT SECTOR PROJECT

PROJECT MANAGEMENT OFFICE (PMO)/
PROJECT IMPLEMENTATION OFFICE (PIO)



ANNUAL PROGRESS REPORT
2023

A JOINT VENTURE OF

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Annual Progress Report (2023)

TABLE OF CONTENTS

	<u>Page No.</u>
1. INTRODUCTION	1
1.1 PROJECT BACKGROUND	1
1.2 PROJECT LOCATION	1
1.3 SALIENT FEATURES OF THE PROJECT	1
1.4 PROJECT DESIGN AND MONITORING FRAMEWORK	2
2. PROJECT IMPLEMENTATION	2
2.1 GENERAL	2
2.2 PROJECT IMPLEMENTATION ARRANGEMENTS	2
2.3 PROJECT MANAGEMENT OFFICE (PMO) STRUCTURE	2
2.3.1 Staffing Strength of PMO & PIO	4
2.4 PROJECT IMPLEMENTATION OFFICE (PIO) STRUCTURE	4
2.5 PROJECT STEERING COMMITTEE (PSC)	4
2.6 PROJECT WORKING COMMITTEE (PWC)	5
3. PROJECT IMPLEMENTATION PROGRESS BY OUTPUTS	6
3.1 IMPACT OF THE PROJECT	6
3.2 OUTCOME OF THE PROJECT	6
3.3 OUTPUT-1: IRRIGATION INFRASTRUCTURE AND WATERSHED PROTECTION CONSTRUCTED AND/OR REHABILITATED	6
3.3.1 Implementation Challenges & Mitigation Measures under Output-1	8
3.3.2 Construction or Rehabilitation Activities under Sub-Projects	8
3.3.3 Integrated Watershed Management	11
3.3.4 Drinking Facilities for Livestock	11
3.3.5 Increase Women's Access to Washing Pads & Water Collection Points	12
3.4 OUTPUT-2: COMMAND AREA ESTABLISHED AND/ OR IMPROVED	12
3.4.1 Formation & Registration of Water Users Associations (WUAs)	13
3.4.2 Selection Criteria of Farmers & Service Providers	13
3.4.3 Farmers Managed Irrigation Schemes	13
3.4.4 Command Area Development Activities	14
3.4.5 Improvement of On-Farm Water Management Techniques/ Provision of Farm Machinery	16
3.4.6 Improvement of Agronomic Techniques (Irrigation Scheduling)	16
3.4.7 Construction of Kacha (Desert) Track & Access Roads	17
3.4.8 Provision of Training on Sustainable Farming	17
3.4.9 Pilot Testing of High-value Agriculture in Project Area	17
3.4.10 Installation of Cost-effective Solar-Powered Drip Irrigation Systems (SPDISs)	18
3.4.11 Women-led Small-Scale Income-generating Agribusinesses for Livestock	20
3.4.12 Awareness Programs on Safe Drinking Water & Food Nutrition for Women and Girls	22
3.4.13 Training of Women & Girls in Kitchen Gardening Skills	22
3.4.14 Implementation Challenges and Mitigation Measures under Output-2	23
3.5 OUTPUT-3 INSTITUTIONAL CAPACITY STRENGTHENED	24
3.5.1 Provision of Consulting Services for Detailed Engineering Design, Construction Supervision, and Implementation Support	24
3.5.2 Water Resources Building	26
3.5.3 Establishment of Network for Monitoring of Weather & River Inflow in 10 River Basins under HTLF- Grant	27
3.5.4 Climate Resilient Water Resources Management Study TA 9576-PAK (JFPR)	27
3.5.5 Improved Project Management & Implementation Skills of Staff from ID, ACD and PMO/PIO, of which 30% are Women	28

3.5.6 Training of Farmers by increasing their Knowledge & Skills on Efficient Use of Water and Value-added Farming	28
3.5.7 Training of Women for Income-generating High-value Agri-businesses	29
3.5.8 Implementation Challenges and Mitigation Measures under Output-3	29
4. SOCIAL SAFEGUARDS, COMMUNITY DEVELOPMENT & GENDER ACTION PLAN (GAP)	30
4.1 GENERAL	30
4.2 LAND ACQUISITION AND RESETTLEMENT ACTION PLAN OF SIRI TOI DAM SUBPROJECT-ZRB	30
4.3 EXTERNAL MONITOR ACTIVITIES	30
4.4 SOCIAL DUE DILIGENCE REPORTS (SDDRS)	31
4.5 IMPLEMENTATION OF GENDER ACTION PLAN	31
5. ENVIRONMENTAL SAFEGUARD STUDIES	31
5.1 PROGRESS OF ENVIRONMENTAL SAFEGUARD ACTIVITIES UPTO DECEMBER 2023	31
6. UTILIZATION OF FUNDS- ADB LOAN & COUNTERPART FUNDS	32
6.1 CUMULATIVE CONTRACT AWARD AND DISBURSEMENT	33
7. FINANCIAL MANAGEMENT AND SUSTAINABILITY ACTION PLANS	35
8. MONITORING AND REPORTING	37
8.1 PROJECT PERFORMANCE MANAGEMENT SYSTEM	37
8.2 PROJECT COMPLIANCE MONITORING WITH COVENANTS	37
9. CONCLUSION AND RECOMMENDATIONS (ACTIONS TO BE TAKEN)	47

LIST OF TABLES

	<u>Page No.</u>
Table 1 : List of Subprojects	2
Table 2 : Decisions & Actions taken by PSC	4
Table 3 : Overall Progress of The Project	6
Table 4 : Physical and Financial Progress of Sub-Projects	7
Table 5 : Implementation Challenges & Mitigation Measures under Output-1	8
Table 6 : Provision of Social Structures/Facilities (Nos.)	12
Table 7 : Status of WUAs Formation for Watercourses Component	13
Table 8 : Selection Criteria of Farmers & Service Providers	13
Table 9 : Status of Survey & Design for Watercourses/FMIS Components	14
Table 10 : Command Area Development Status of Siri Toi Dam Sub-Project	14
Table 11 : Provision of Solar Powered Drip Irrigation System to the Farmers	19
Table 12 : Distribution of Goats/Sheep to the Women	21
Table 13 : Implementation Challenges & Mitigation Measures under Output-2	23
Table 14 : PMO/PIO Staff with Trainings/ Skills	28
Table 15 : Implementation Challenges & Mitigation Measures under Output-3	29
Table 16 : Status of Withdrawal Applications from Start of Project till the end of Reporting Month December 31, 2023	33
Table 17 : Funds Disbursements and Utilization by Financier up-to December 31, 2023	34
Table 18 : Financial Phasing as per PC-I & Status of Releases up-to December 31, 2023 ..	34
Table 19 : Funds Utilization by Expenditure Category up-to December 31, 2023	35
Table 20 : Output-wise Funds Utilization up-to December 31, 2023	35
Table 21 : Financial Management and Sustainability Action Plans	36
Table 22 : Status of Compliance with Project Specific Covenants	38

LIST OF FIGURES

Figure 1 : Organogram of PMO (Project Director)	3
Figure 2 : Organogram of Project Implementation Office (PIO)	3
Figure 3 : Physical and Financial Progress Graph of Sub-projects	8
Figure 4 : Role & Responsibility Matrix	25
Figure 5 : Organizational Chart of the Consultants	25

LIST OF APPENDICES

APPENDIX-1: PROJECT DESIGN AND MONITORING FRAMEWORK.....	49
APPENDIX-2. PMO STAFFING STRENGTH ON BWRDSP.....	51
APPENDIX-3. PIO STAFFING STRENGTH ON BWRDSP.....	52
APPENDIX-4. STATUS OF SUBMISSION OF REPORTS.....	53
APPENDIX-5. STATUS OF CONSTRUCTION DRAWINGS ISSUED TO THE CONTRACTORS UPTO DEC 2023.....	54
APPENDIX-6. SITE VISITS HELD BY THE CLIENT & CONSULTANTS' TEAM (Upto December 2023).....	60
APPENDIX-7. INPUT UTILIZED BY IMPLEMENTATION SUPPORT TEAM.....	61
APPENDIX-8: SOCIAL & GENDER REPORTS SUBMISSION RECORD.....	67
APPENDIX-9: UPDATED GAP PROGRESS UPTO DECEMBER 31, 2023.....	69
APPENDIX-10. ENVIRONMENTAL REPORTS SUBMISSION RECORD (BWRDSP).....	77
APPENDIX-11. FUNDS ALLOCATION AND DISBURSEMENT.....	78
APPENDIX-12 GANTT CHART.....	1

ACRONYMS

ACD	Agriculture and Cooperatives Department, GOB
ADB	Asian Development Bank
APR	Annual Progress Report
BID	Balochistan Irrigation Department
BWRDSP	Balochistan Water Resources Development Sector Project
CAD	Command Area Development
CO	Community Organization
CPRM	Country Portfolio Review Mission
DG	Director General
DP	Displaced Persons
EA	Executing Agency
ECNEC	Executive Committee of National Economic Council
EIA	Environmental Impact Assessment
EMP	Environmental Management Plan
EPA	Environment Protection Agency
FO	Farmer Organization
FIS	Flood Irrigation Scheme
FMIS	Farmers Managed Irrigation Schemes
GAP	Gender Action Plan
GOB	Government of Balochistan
HEIS	High Efficiency Irrigation System
HLTF	High Level Technology Fund
IA	Implementing Agency
IT	Information Technology
JFPR	Japan Fund for Prosperous and Resilient Asia and the Pacific
LARF	Land Acquisition Resettlement Framework
LARP	Land Acquisition Resettlement Plan
MCM	Million Cubic Meter
MTR	Midterm Review
NGO	Nongovernment Organization
OFWM	On-Farm Water Management
P&DD	Planning and Development Department
PD	Project Director
PC-1	Planning Commission Proforma-1
PIO	Project Implementation Office
PIS	Perennial Irrigation Scheme
PMO	Project Management Office
POE	Panel of Experts
PPMS	Project Performance Management System
PRs	Pakistan Rupees
PSC	Project Steering Committee
QPR	Quarterly Progress Report
ROW	Right of Way
SAEMR	Semi-Annual Environment Monitoring Report
SDDR	Social Due Diligence Report
SSEMP	Sight Specific Environmental Management Plan
TORs	Term of References
VWC	Village Watershed Council
WRIS	Water Resources Information System

1. INTRODUCTION

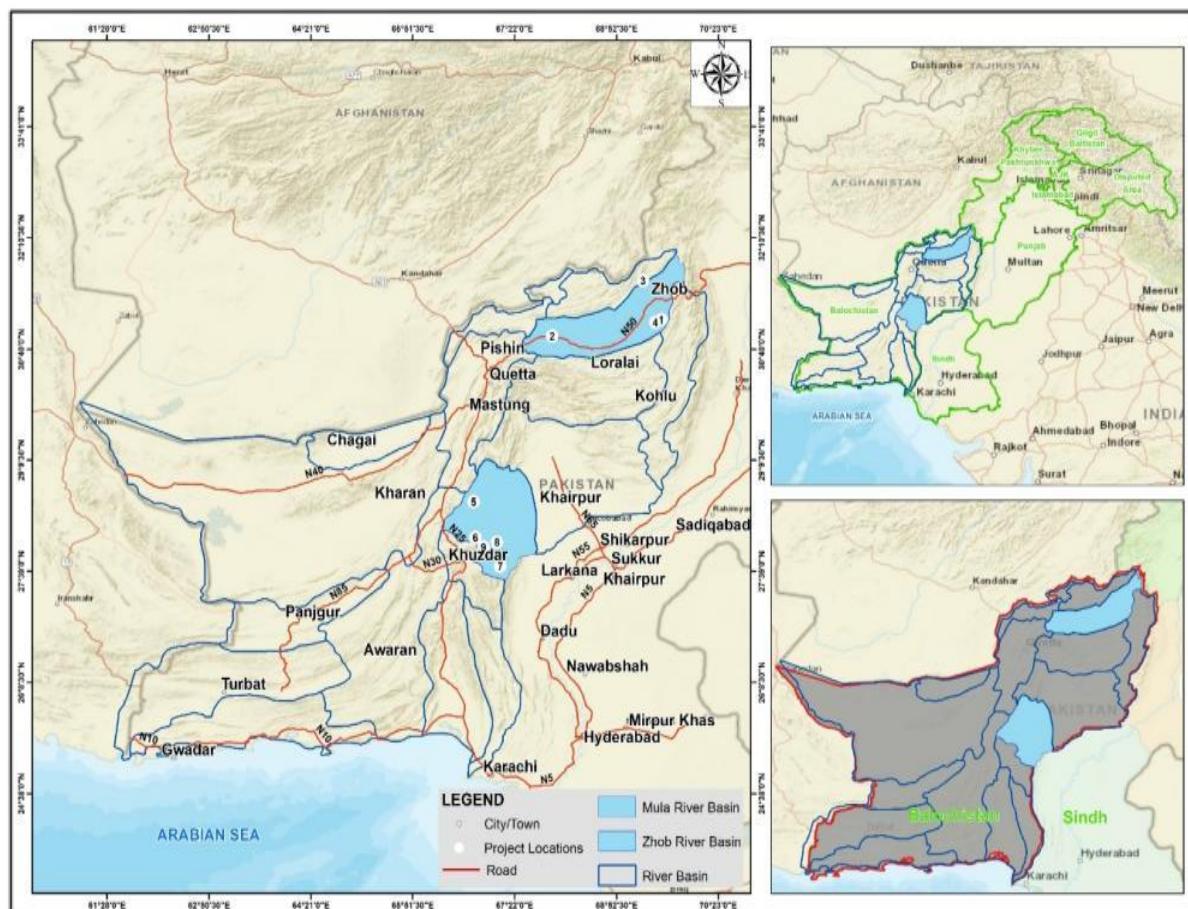
1.1 PROJECT BACKGROUND

The project will improve land and water resources management, agricultural productivity, farm income, and institutional capacity of the Government of Balochistan. The project will bring new and improved irrigated area of about 16,592 hectares (ha), including 1,839 ha for *khushkaba* (rainwater harvesting) farming. The project will have the following outcome: agricultural productivity in the project area increased. The project has three outputs (i) irrigation infrastructure and watershed protection constructed and/or rehabilitated, (ii) command area established and/or improved, and (iii) institutional capacity strengthened. G9197 finances high efficient agriculture activities under the output 2, and G0597 finances hydromet equipment for establishing a water resources information system under output 3. L3700 finances the remaining project activities, including infrastructure subprojects under output 1.

The project was approved on 31 August 2018 for \$138.14 million, comprising a concessional loan of \$100 million from ADB's ordinary capital resources (L3700), a grant of \$3 million from the Japan Fund for Prosperous and Resilient Asia and the Pacific (JFPR, G9197), a grant of \$2 million from the High-Level Technology Fund (HLT Fund, G0597),³ an attached technical assistance of \$2 million (JFPR, TA 9576), and counterpart funds of \$31.14 million for contingencies, taxes, and duties. The loan, grants, and project agreements were signed on 5 January 2019. The loan and grants became effective on 7 March 2019.

1.2 PROJECT LOCATION

The Balochistan Water Resources Development Sector Project is located in the Zhob and Mula river basins in the Balochistan.



1.3 SALIENT FEATURES OF THE PROJECT

The project consists of 11 sub-projects in Zhob and Mula river basins. The salient Features of the 11 sub-projects are given in **Table 1**.

Table 1: List of Subprojects

Sr. No.	Name Sub-projects	Total Estimated Cost (Million \$)	Area under Sub-projects (hectares)					
			New Irrigated Command Area	Improved Irrigated Command Area	Total Command Area	Watershed & Groundwater Recharge	Khushkaba Farming Area	Total
1	Ahmedzai PIS + FIS	2.16	180	427	607	52	200	859
2	Muslim Bagh	17.90	0	1,724	1,724			1,724
3	Siri Toi Dam	49.50	4,027	0	4,027	3,750	361	8,138
4	Killi Sardar Akhter PIS	0.90	0	230	230	22	0	252
5	Farmers Managed PIS/FIS Scheme Improvement	2.07	0	1,710	1,710	0	0	1,710
Sub-Total Zhob River Basin		72.53	4,207	4,091	8,298	4,091	561	12,683
1	Churri Infiltration Gallery	2.91	685	115	800	8	350	1,158
2	Pashta Khan & Garambowad PIS	4.43	377	456	833	6	50	889
3	Karkh Valley Development Scheme	6.73	250	2,000	2,250	210	75	2,535
4	Kharzan Hatachi Infiltration Gallery	6.05	106	575	681	85	378	1,144
5	Manyalo, Raiko & Rind Ali PIS	6.28	364	314	678	13	425	1,116
6	Farmers Managed PIS/FIS Scheme Improvement	2.68	0	2,213	2,250	0	0	2,213
Sub-Total Mula River Basin		29.08	1,782	5,673	7,492	321	1,278	9,054
Total		101.61	5,989	9,764	15,753	4,145	1,839	21,737

FIS = flood irrigation system, PIS = perennial irrigation system. Note: Subprojects with highlight are core-subprojects.

1.4 PROJECT DESIGN AND MONITORING FRAMEWORK

The project achievements will be illustrated from the Project Design and Monitoring Framework placed as **Appendix 1**.

2. PROJECT IMPLEMENTATION

2.1 GENERAL

The GOB, through the Balochistan Irrigation Department (BID), is the Executing Agency of the Project and the Agriculture and Cooperatives Department (ACD) is the Implementing Agency, with active support from relevant departments (Forest and Wild Life, and Livestock and Dairy Development).

2.2 PROJECT IMPLEMENTATION ARRANGEMENTS

Project Management Office (PMO) has been established in Quetta for overall project implementation and coordination. The PMO, led by a Project Director (PD), have responsibility to manage works under Output 1 and Output 3. The PMO is being supported by Deputy Project Director Irrigation in Zhob and Khuzdar (Mula) districts, and by District Forest Officers and their staff in Zhob and Khuzdar districts (for implementation of watershed protection measures).

2.3 PROJECT MANAGEMENT OFFICE (PMO) STRUCTURE

The project management office (PMO) established in the Irrigation Department in April 2019. PMO is responsible for overall project implementation, coordination and consolidation of

work plan and project progress of all the project outputs. PMO holds 11 technical staff positions including a PD, 2 Deputy Project Directors, 2 Assistant Engineers, Senior Sociologist/Gender Specialist and a Divisional Accounts Officer. The PMO is supported by BWRDSP Consultants by providing full-time Procurement Specialist, Financial Management Specialist and intermittent support of Social Development Specialist, Resettlement Specialist, Monitoring & Evaluation Specialist, Dam Design Expert, Hydraulic Design Expert and Environment Specialist. The PMO also includes office support staff.

The PMO is being assisted by Divisional Forest Officers in districts of Zhob and Khuzdar. The MTR Mission appreciated this arrangement and noted that it is in line with PAM organogram.

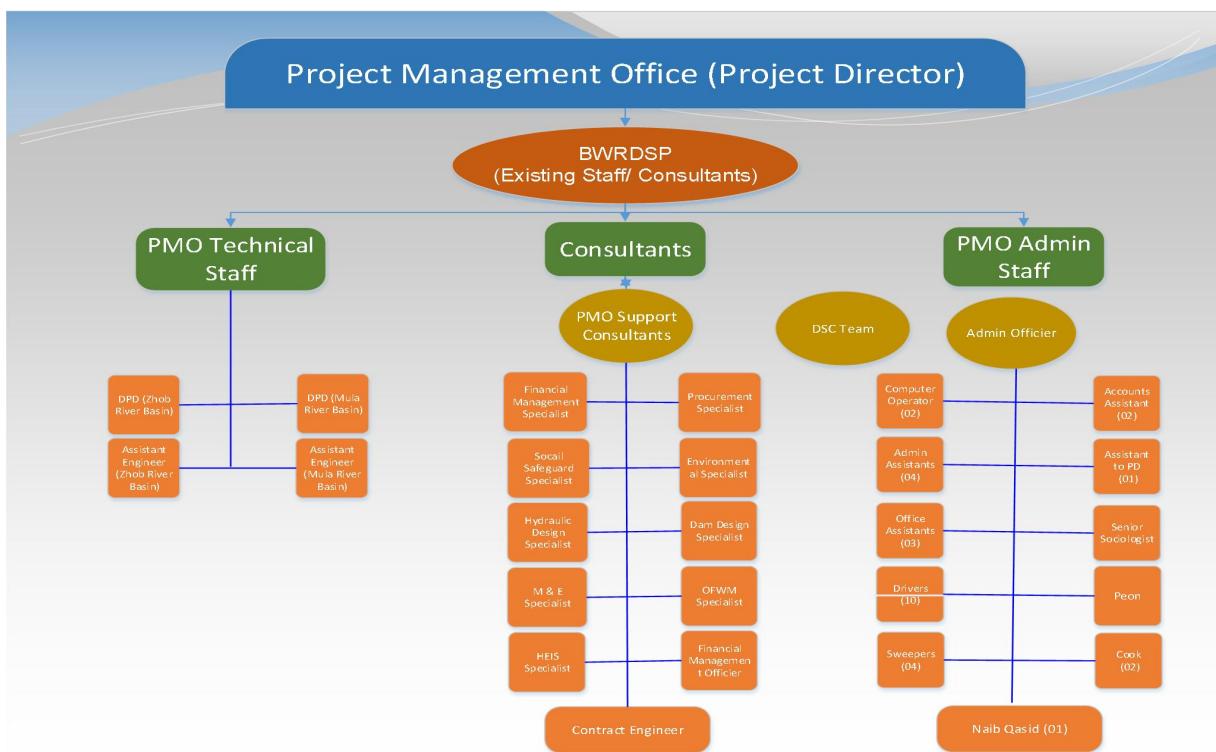


Figure 1: Organogram of PMO (Project Director)

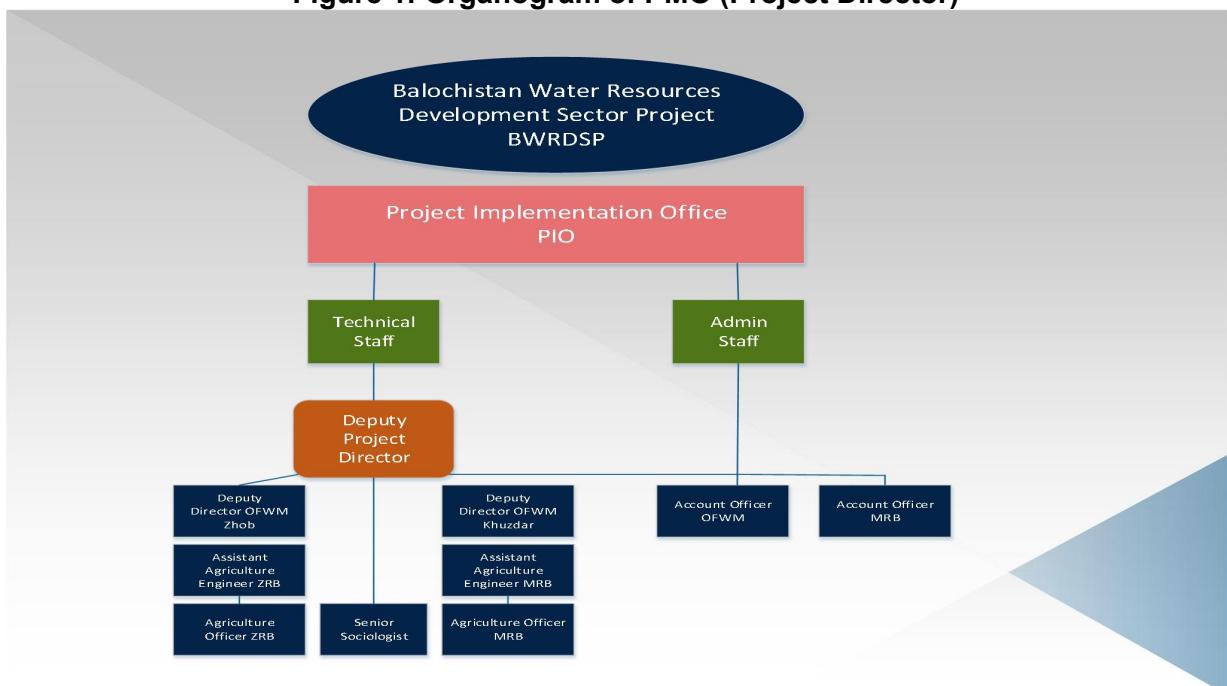


Figure 2: Organogram of Project Implementation Office (PIO)

2.3.1 Staffing Strength of PMO & PIO

The staffing strength of PMO & PIO is illustrated in **Appendix 2 & 3** respectively.

2.4 PROJECT IMPLEMENTATION OFFICE (PIO) STRUCTURE

The Project Implementation Office (PIO) was established in the ACD on 30 September 2019. The PIO established in the ACD is implementing project activities coming under Output-2 and 3. The PIO is being assisted by Deputy Directors On-Farm Water Management (OFWM) Zhob & Khuzdar from Agriculture department, 2 Agriculture Engineers, 2 Agriculture Officers, 1 Accounts officer and 1 senior Sociologist staff. The PIO is also supported by BWRDSP Consultants by providing full-time Contracts Engineer, Financial Management Officer and intermittent support of On-Farm Water Management Expert and High Efficiency Irrigation Expert. The field offices include the offices of the Deputy Director On-Farm Water Management in both districts and will report to the PIO for project preparation and administration.

2.5 PROJECT STEERING COMMITTEE (PSC)

Project Steering Committee (PSC) was held on September 08, 2023 to guide and direct project implementation which is headed by Additional Chief Secretary (Dev). The members of the PSC are:

Sr.No.	Name	Designation	Department
1	Hafiz Abdul Basit (Chair)	ACS (Dev.)	P&D
2	Mr. Ghous Bakhsh Marri	Chief Economist	P&D
3	Mr. Najeebullah	Chief (F.Aid)	P&D
4	Mr. Saddam Maqbool Umrani	Research Officer (Water)	P&D
5	Miss Maria Hadiqa	Research Officer (F.Aid)	P&D
6	Mr. Shujaat Ali	Additional Secretary	Finance
7	Mr. Tayyib Lehri	Secretary	Agriculture & Cooperatives
8	Mr. Inayatullah	Additional Secretary	Agriculture & Cooperatives
9	Mr. Naeem M. Hassani	Conservative	Forest & Wildlife
10	Mr. Muhammad Aslam	Additional Secretary	Forest & Wildlife
11	Mr. Sufyan Durrani	Project Director	PMU BWRDP
12	Mr. Asif Hussain Mastoi	Deputy Project Director	PMU BWRDP

The salient decisions taken by PSC in the September;2023 meeting are depicted in **Table 2**.

Table 2: Decisions & Actions taken by PSC

Outputs	Decisions	Actions
Output-1	The increased cost of Ahmedzai subproject as it was approved with the cost of Rs. 387.00 million now which is shown as Rs. 669.70 million	PD stated that there is no change in the scope of work/PC-I and cost is adjusted within PC-I. The variation is due to incorporating the necessary changes in the design of the structure during execution.
	The PD apprised the forum that work for Siri Toi Watershed Management is not awarded yet, and no-objection certificate is awaited from ADB	The CFA added that no objection had been awaited since last year and the project was reflected in last year's work plan as well with a cost of Rs. 344.00 million
	The CFA stated that in the previous PSC meeting it was decided that work against components of Mula River shall be initiated soon, but target is not achieved	The PD informed that Pashta Khan & Munyal subprojects were surveyed, designed, and procured and contracts have been awarded recently
	PD highlighted that Kharzan Hitachi Infiltration Galleries core subproject is problematic due to social issues pertaining to water rights and interfering in the project design	The CFA added that the DC of the area was engaged during the past year to resolve the issue
	The case regarding re-appropriation shall be presented to the PDWP for post-facto approval	
	The Project Director PMO shall meet all the leftover targets during 2023-24 and	

	ensure to complete the project within time.	
	The Project Director shall ensure to properly design future interventions to avoid cost and time run	
Output-2	The CFA informed that during FY 2023-24, Rs. 731 million was allocated against output 2 and only Rs. 265.42 million has been spent during CFY 2022-23. The chair inquired about the issues hampering the implementation of the project activities and shown displeasure over the slow pace of work	The Secretary, Agriculture & Cooperatives Department, apprised the forum that a meeting on was held on 30 th August, 2023 to discuss the progress of PIO, BWRDSP, and critical decision were taken to resolve all issues and speed up the execution of the project activities. He added that a coordination committee will be notified in Agriculture department to review the progress monthly and the department will follow a plan to achieve the targets during 2023-24 and will ensure to complete the JFPR component by due date
	The Chair appreciated the efforts of Agriculture department to speed up the activities and desired to review the progress in next PSC to be held in next quarter. In case of non-achievement of the targets, the PSC will adopt alternate modalities	The DPD, PIO, BWRDSP, and Agriculture & Cooperatives department was directed to resolve all the issues timely to make substantial progress against approved project activities
Output-3	<p>The forum approved the Schedule of New Expenditures for the Year 2023-24 as per the approved rates to allow change/rise in salary and allowances of PMO and PIO.</p> <p>The PD presented the work plan and cash plan for 2023-24 of PMO and PIO before the forum for approval. The forum deliberated on the physical and financial targets of the project for coming year</p>	<p>Approved</p> <p>The forum approved the work plan of PMO and PIO, BWRDSP, with the cost of Rs. 9140.19 million and Rs. 506.24 million respectively for year 2023-24. Further, it was instructed that the activities planned must be as per approved PC-I (Annexure I)</p>
	The PD presented the Schedule of New Expenditure (SNE) for the FY 2022-23 that included the salaries of PMO & PIU along with the allowances and other operational costs	The forum approved the SNE of FY 2023-24 for PMO and PIO
	The Chief Economist showed concern over the cost escalation and displeasure over the consultant's performance who could not foresee the additional work requirement since inception of the project, and suggesting taking up the matter with the consultant	The PD responded that funds from exchange gain savings were utilized for the purpose
	The PD presented the revised PC-I amounting to Rs. USD 171.39 million (US\$ 171.39 million @USD 1= Rs. 297.57) before the forum and requested that the same may be placed in PDWP for approval	The forum recommended that the revised PC-I shall be sent to the technical section of P&D Department for evaluation before placing the same in PDWP meeting for approval

2.6 PROJECT WORKING COMMITTEE (PWC)

A Working Committee was constituted of the project whom notification was issued on 8th June, 2021, which is headed by Secretary BID and comprises Director General OFWM, Chief Engineer BID and Chief Conservator Forest. The last meeting of the Working Committee was held on 3rd June, 2021. During the Midterm Review Mission of ADB, it was informed by PMO to mission that Secretary Irrigation conducted several coordination meetings of PSC & PWC with Secretary Agriculture and other concerned departments. Regular meetings of PSC and PWC are critical for the smooth project implementation, the mission requested PSC to be conducted semi-annually and PWC quarterly or more

frequently as needed, to review the project implementation progress, solve issues if any, and guide further project implementation.

3. PROJECT IMPLEMENTATION PROGRESS BY OUTPUTS

The physical completion of the project was on 31 December 2023, and the loan was originally scheduled to be closed on 30 June 2024, while the two (02) grants are closing on 31 March 2024. At the request of the GOB and the Govt. of Pakistan, in 2021 ADB approved the extension of physical completion of the loan financed activities by two years to 31 December 2025 and the loan closing date was extended accordingly to 30 June 2026. The closing date for the two grants remains unchanged. The overall progress of the project upto December 2023 is around **49%**, which is depicted below in **Table 3**.

Table 3: Overall Progress of The Project

Sr. No.	Activities	(a)	(b)	(a) x (b)
		Assigned Weight	Actual Progress	Weighted Progress
1	Establishment of PMO / PIO Offices	2%	100.0%	2.0%
3	Output 1	68%	41.9%	28.5%
5	Output 2	12%	55.8%	6.7%
6	Output 3	12%	57.1%	6.8%
7	Gender Action Plan	2%	75.9%	1.5%
8	Social Safeguard	2%	79.5%	1.6%
9	Environmental Safeguard	2%	89.9%	1.8%
Total Weight		100%	Project Progress	49.0%

3.1 IMPACT OF THE PROJECT

The project is aligned with the following impacts:

- i) Increase Farm Income
- ii) Improvement in water resources management

3.2 OUTCOME OF THE PROJECT

The project will have the following outcome:

- i) Increase agriculture productivity in the project area in terms of yield & intensity.

3.3 OUTPUT-1: IRRIGATION INFRASTRUCTURE AND WATERSHED PROTECTION CONSTRUCTED AND/OR REHABILITATED

The physical and financial progress of the sub-projects is given below in **Table 4**, while the status of submission of reports of sub-projects is available in **Appendix 4**, and status of Construction Drawings issued to the Contractors upto Dec 2023 is placed in **Appendix 5**.

Table 4: Physical and Financial Progress of Sub-Projects

Sr. No.	Contract No.	Contract Description	Contractor	Original Contract Amount (Rs. Million)	Revised Contract Amount (Rs. Million)	Commencement Date	Original Completion Date	Revised Completion Date	Completion Period (Days)	Time Elapsed		Overall Target	Achieved Physical Progress	Financial Progress (% age)	Certified Payments (Work done) (Rs. Million)	Remarks
										Days	% age	(% age)				
1	NCB-01	Construction of Karkh Valley Development Subproject - MRB	M/s Zahir Khan & Brothers - Agha Construction Company (Joint Venture)	784.642	1,095.932	28 December 2020	27 December 2022	1st EOT - 365 Days 27 December 2023 2nd EOT - 282 Days 01 July 2024	1377	1098	91.96	65.00	61.00	60.17	659.389 (Upto IPC-13)	Mobilization Advance @ 10% of the Contract Amount paid by the Client.
2	NCB-02	Construction of Kharzan Hatachi Infiltration Gallery Subproject - MRB	M/s Agha Brothers Construction Company - Agha Construction Company - Sadaat Enterprises (JV)	1,091.806	-	22 June 2021	21 June 2023	20 March 2024 (EOT 273 Days)	1002	922	82.83	85.00	54.38	47.70	520.802 (Upto IPC-03)	Mobilization Advance @ 10% of the Contract Amount paid by the Client.
3	NCB-05	Construction of Water Resources Building Subproject - Quetta	M/s Haji Abdul Hameed Bangulzai- M/s Muhammad Akbar Shahwani & Brothers (JV)	273.374	876.415	07 April 2021	06 October 2022	23 September 2023 (EOT 365 Days) 1st July 2024 (2nd EOT 282 Days)	899	998	100.00	60.00	40.42	37.44	328.129 (Upto IPC-12)	Mobilization Advance @ 10% of the Contract Amount paid by the Client.
4	NCB-08	Construction of Ahmedzai Perennial+Flood Irrigation Subproject - ZRB	M/s Noor ul Haq & Brothers	387.965	669.700	22 December 2020	21 December 2022	-	730	1104	100.00	100.00	100.00	90.16	603.778 (Upto IPC-07)	Mobilization Advance @ 10% of the Contract Amount paid by the Client.
5	ICB-01	Construction of Siri Toi Dam Subproject - ZRB	M/s Noor ul Haq & Brothers	9896.217	-	22 April 2022	21 April 2025	-	1095	618	56.44	50.00	20.70	18.81	1861.284 (Upto IPC-11)	Mobilization Advance @ 15% of the Contract Amount paid by the Client.
6	NCB-06	Construction of Killi Sardar Akhtar Perennial Irrigation Subproject - ZRB	M/s Noor ul Haq & Brothers	369.481	422.916	21 December 2022	20 December 2024	-	730	375	51.37	58.00	86.50	86.10	363.334 (Upto IPC-02)	Mobilization Advance @ 10% of the Contract Amount paid by the Client.
7	NCB-04	Pashta Khan and Grambowad Perennial Irrigation Subproject - MRB	M/s Agha Brothers Construction Company & M/s Ramzan & Sons (Pvt.) Ltd. (JV)	1153.018	-	03 May 2023	02 May 2025	-	730	242	33.15	20.00	0.00	-	NILL	Mobilization Advance @ 10% of the Contract Amount paid by the Client.
8	NCB-07	Construction of Manyalo, Raiko and Rind Ali Perennial Irrigation Subproject - MRB	M/s Agha Brothers Construction Company & M/s Ramzan & Sons (Pvt.) Ltd. (JV)	1499.912	-	03 May 2023	02 May 2025	-	730	242	33.15	20.00	0.00	-	NILL	Mobilization Advance @ 10% of the Contract Amount paid by the Client.
9	Watershed Management works of Siri Toi Dam - Zhob River Basin (NCB-WWC-01) is awarded to M/s Noor ul Haq & Brothers at their Bid Price Rs. 1,461,459,150/- on dated 22-08-2023															

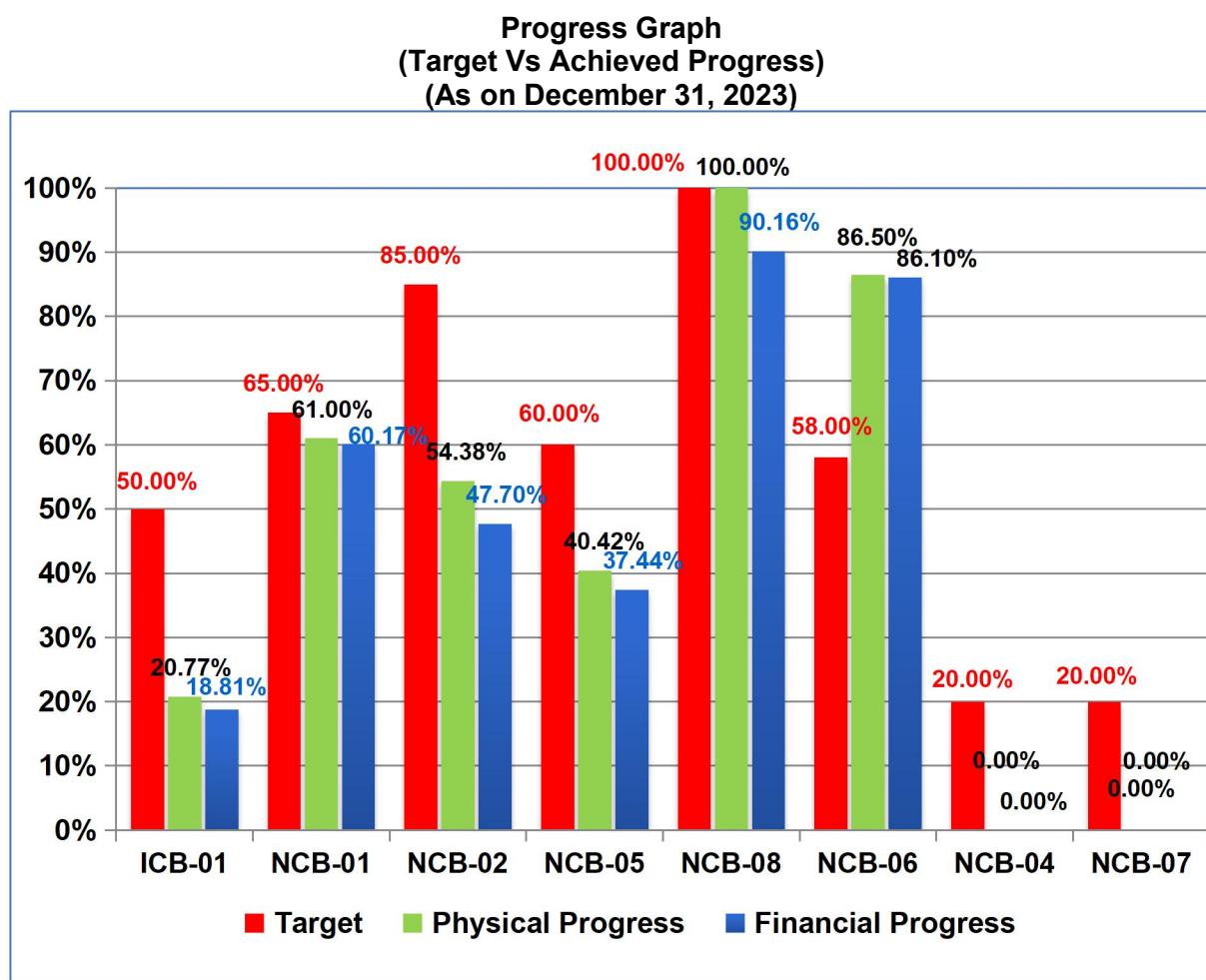


Figure 3: Physical and Financial Progress Graph of Sub-projects

3.3.1 Implementation Challenges & Mitigation Measures under Output-1

The implementation challenges, issues and mitigation measures taken & to be taken are described in the below **Table 5**.

Table 5: Implementation Challenges & Mitigation Measures under Output-1

Sr. No.	Implementation Challenges	Mitigation Measures
1	The project is a sector lending with detailed design for all the subprojects to be carried out by the loan consultants.	More resources need to be mobilized by the Consultants.
2	Issue relating to traditional water rights and demand of the communities to supply surface water as well as subsurface water through Kharzan Hitachi Sub-project initially.	PMO informed the mission that the issue was solved through consultations and the construction is expected to catch up from now on.
3	Fulfillment of prerequisite documentation by the contractors such as SSEMP.	Review by Consultants & ADB, issue was expedited and SSEMP was approved in December.
4	Acquisition of land by DC Zhob for Siri Toi Dam	DC Zhob needs to expedite the land acquisition process

3.3.2 Construction or Rehabilitation Activities under Sub-Projects

The Physical Progress of Construction or Rehabilitation activities under Sub-projects is shown through pictorial view.

Ahmedzai PIS+FIS (NCB- 08) Subproject Work in Progress



Siri Toi Dam (ICB- 01) Subproject Work in Progress





Karkh Valley FIS (NCB- 01) Subproject Work in Progress



Kharzan Hatachi Infiltration Gallery (NCB- 02) Subproject Work In Progress





Killi Sardar Akhtar Perennial Irrigation (NCB- 06) Subproject Work in Progress



3.3.3 Integrated Watershed Management

After the procurement of Watershed Management Works of Siri Toi Dam (Package No. NCB-VWC-01), Contract has been awarded, but drawings are awaited from Consultants. Commencement order will be issued on 4th October, 2023 and possession will also be given to the contractor on 4th October, 2023. Contractor has been mobilized on site for Watershed Management Works of Siri Toi Dam.

3.3.4 Drinking Facilities for Livestock

There is an acute need of drinking facilities for livestock in the project area, for that purpose there will be 04 no. of washing pad structures along with 2 wazu points have been constructed in Karkh Valley Development Sub-project MRB, Khuzdar and 01 animal drinking structure, 01 washing pad and 01 wazu point have been constructed in Ahmedzai PIS+FIS Sub-project for them. Provision of social structures/ facilities in Sub-projects are present in **Table 6**.

Table 6: Provision of Social Structures/Facilities (Nos.)

Sr.No.	Subproject	Access to water/washing points		Cattle ghat		Wazu point	
		Provision	Constructed	Provision	Constructed	Provision	Constructed
1	Ahmadzai	1	1	1	1	1	1
2	Karkh Valley	4	4	19	-	2	2
3	Kharzan Hatachi	21	-	-	-	1	-
4	Killi Sardar Akhter	1	1	1	1	1	1
5	Siri Toi Dam	10	-	7	-	2	-
	Total	37	6	28	2	7	4

3.3.5 Increase Women's Access to Washing Pads & Water Collection Points

There is total 37 no. of washing pad structures/Water collection points to be built for increasing women access to them in 5 sub-projects, in which 4 washing pad structures/Water collection points have been built in Karkh Valley Development sub-projects and 1 washing pad structure/Water collection point has been in Ahmedzai PIS to increase the access of women to the washing areas.

There is total 28 no. of Cattle ghat have to be built in 4 sub-projects for increasing access to water collection points, in which only 1 has been built in Ahmadzai subproject. The Social Structures like Wazu points have been constructed under 5 subprojects, in which 2 have been built in Karkh Valley and 1 in Ahmedzai subproject.

**Washing Pads Structures for Women Facilitation****Water Collection Points for Inhabitants**

3.4 OUTPUT-2: COMMAND AREA ESTABLISHED AND/ OR IMPROVED

The Consultants have provided necessary support to PIO for formation/registration of WUAs, preparation of design and estimates of a watercourse/FMIS including water control structures and PLL. In this respect, field staff of PIO has been given training with regard to

formation/registration of WUAs, conducting field surveys, design and Bill of Quantities of watercourses and farmers' managed irrigation schemes.

3.4.1 Formation & Registration of Water Users Associations (WUAs)

67 Water Users Associations in Mula River Basin and 132 in Zhob River Basin have been registered & their Accounts have been opened. Formation of WUAs has been completed for watercourse construction on Ahmedzai and Karkh Valley Development subprojects. While documents have been submitted to concerned Deputy Director Agriculture OFWM for registration of WUA's. Status of meetings/consultations done, WUAs formed and registered for both components i.e., Watercourse and Farmer Managed Irrigation Schemes (FMIS) is given in **Table 7**.

Table 7: Status of WUAs Formation for Watercourses Component

District (River Basin)	Core Sub-Projects	Meetings/ Consultations Done (Nos.)	WUAs Formed (Nos.)	WUAs Registered (Nos.)
Khuzdar (Mula River)	Karkh Valley Development	6	12	12
	Kharzan Hatachi Infiltration	2	-	-
	Manyalo, Raiko & Rind Ali	2	-	-
	Pashta Khan & Garambowad	2	-	-
	Churri Infiltration Gallery	2	-	-
	Farmers Managed Schemes	15	55	55
Sub-Total		19	67	67
Zhob (Zhob River)	Ahmad Zai	5	9	9
	Killi Sardar Akhter	-	-	-
	Sabakzai CAD	-	-	-
	Farmers Managed Schemes	53	123	123
Sub-Total		58	132	132
Grand Total		77	199	199

3.4.2 Selection Criteria of Farmers & Service Providers

There are 11 selection criteria prepared and approved by PIO which are listed below in **Table 8**.

Table 8: Selection Criteria of Farmers & Service Providers

Sr. No.	Selection Criteria of	Prepared & Approved by PIO
1	Farmers for installation of Solar Powered Drip Irrigation System	Yes
2	Persons for installation of Olive Oil Extraction Plant	Yes
3	Persons for installation of Fruit/ Vege Processing Plant	Yes
4	Schemes to be Improved under Farmers Managed Irrigation Schemes (FMIS)	Yes
5	Contractors for Improvement of Farmers' Managed Irrigation Schemes (FMIS)	Yes
6	Service Provider for Provision of LASER Land Leveller	Yes
7	Farmers for Precision Land Levelling	Yes
8	Service Provider for Provision of Bed Former	Yes
9	Farmers for Bed Forming	Yes
10	Women for Provision of Small-Scale Fruit and Vegetable Dryers	Yes
11	Women for Provision of small ruminants Sheep and Goats	Yes

3.4.3 Farmers Managed Irrigation Schemes

The criteria have been prepared and approved by PIO, so far 5 schemes in MRB and 30 in ZRB are to be improved under Farmers Managed Irrigation schemes (FMIS) after selection of contractors for these schemes along with the registration of Water Users Associations. PIO will ensure the design through its field units. Consultants will check and verify the design before implementation. Criteria for selection of schemes to be improved under farmers

managed irrigation schemes has been submitted by the Consultants to PIO. Selection of the schemes is in progress.

3.4.4 Command Area Development Activities

After registration of WUAs, PIO field units shall prepare design and estimates. Design and estimates shall be submitted to the Consultants for review and approval. After approval of the design, implementation will start. WUAs shall be responsible to procure materials and execute works as per design under supervision of PIO field units. Similarly, the updated status of survey & design prepared and their approval is given under **Table 9**.

Table 9: Status of Survey & Design for Watercourses/FMIS Components

District (River Basin)	Core Sub-Projects	Designs Prepared as Reported by PIO	BWRDSP Consultants			Total Command Area of Approved Schemes	Estimated Cost of Approved Schemes
			Submitted (No.)	Approved (No.)	Referred Back (No.)		
Khuzdar (Mula River)	Karkh River	5	3	2	1		
	Kharzan Hatachi						
	Manyalo, Raiko & Rind Ali						
	Pashta Khan & Garambowad						
	Churri Infiltration Gallery						
	Farmers' Managed Schemes						
Sub-Total		5	3	2	1		
Zhob (Zhob River)	Ahmad Zai	6	4	3	1		
	Killi Sardar						
	Sabakzai						
	Farmers' Managed Schemes	30	9	0	9		
Sub-Total		36	13	3	10		
Grand Total		41	16	5	11		

The preparation of design and tender documents for CAD activities of Siri Toi Dam sub-project is completed while its bidding process is in-progress, the status of the designs of CAD works is given in the **Table-10** below:

Component	Unit	Targets	Design Prepared	Contract Awarded	Works Execution Status		
					Completed	Verified	Referred Back
Rough Land Leveling	Acres	9750	10483				
Watercourses	No.	-	77				
	m	80,500	94,416				

Table 10: Command Area Development Status of Siri Toi Dam Sub-Project

Invitation for Bids for procurement of Command Area Development Works of Siri Toi Dam (Package No. NCB-CAD-01) was advertised on 23 June 2023 in the newspapers. Deadline for submission of Bids is 31 July 2023.

The ADB mission during the visit in Nov, 2023 shared with Irrigation Department and Agriculture Department representatives their concerns regarding the plans for the Siri Toi Dam command area development (CAD). This is to be financed under the loan. The proposed command area is approximately 4000 hectares with nearest market around 40 km away (Zhob city). The area comprises the two sloped sides of the valley downstream of the dam, which are proposed to be entirely terraced for flood irrigation at high cost. The topsoil layer is understood to be thin, with sandy soil underneath. The mission understood that the land is not settled but has traditional (tribal) ownership and distribution.

The procurement package (NCB-CAD-01) is currently under bidding, with bid evaluation report sent to ADB for review and no objection. The ADB had requested clarifications on the proposed CAD design, following the significant increase in engineer's estimate following bid opening. The EIRR of the dam, due to choice of CAD design and proposed changes to the design of upstream works, is at the 9% threshold and may be lower due to future delays in construction and benefits. The mission reiterated its request for the departments to consider alternative CAD designs that were appropriate to likely cropping pattern, the topography and soil, and stakeholder's feedback. Alternative piped systems with hydrants would offer flexibility for farmers without requiring all land be levelled/terraced as proposed. The mission consulted with some of the beneficiary farmers who indicated olives, pomegranate and apricot has better quality and yields in the area besides vegetables and grains. Any upward adjustments in proposed orchards area will inform levelling, water requirements, choice of OFWM, withdrawals adjustment from reservoir and reliability of the flow.

The PMO and Project Implementation Office (PIO) agreed to an integrated report with roadmap for Siri Toi CAD, including on land ownership/distribution, agriculture development model, water distribution, engineering, soil classification, consultations especially with beneficiary population, training, and extension services. The report will include clarity on the current ownership and eventual distribution of land for farming in the command area. The mission noted that PMO and PIO should have a firm understanding of who owns the land and who will farm the land as part of the development. They will overlay a map of the ownership over the engineering solutions to select and refine the design approach. They will secure District Commissioner, Zhob support to secure summary settlement. The wider consultation with the beneficiary community and within the BACD including directorates of agriculture extension, research, engineering and OFWM will support improvements in water requirements, conveyance, application, cropping patterns, market access, amongst others. PMO noted that bid validity of the ongoing bidding for the NCB-CAD-01 expires 28 November 2023. They confirmed they will be submitting to ADB a request to extend validity or cancel the bidding to reconsider the design. As per schedule provided by the irrigation system contractor (ICB-01), the operational flow from dam to the command area is expected by end of 2025 or early 2026 depending on the progress of construction and filling of the reservoir after dam, dyke, spillway and distribution system, completion. This allows a period of about two years from now to revisit the Siri Toi CAD.

Additional Chief Secretary noted that the Siri Toi command area may be suitable for contract/corporate farming under the SIFC framework, to encourage more productive agriculture. He had indicated that Naulong dam and Winder dam had also been identified as prospective candidates. The term of partnership is under consideration. The ACS also suggested cooperative farming as another alternative.

After the social screening, following categorization of the sub-project Command Area Development Works under Siri Toi Dam Subproject, Zhob is recommended (Below Table). The Command Area Development Works under Siri Toi Dam Subproject, Zhob will not involve any land acquisition or demolition of any built-up private properties. Due to insignificant impacts of the project, the project is categorized as "C category Project".

Social Categorization of Command Area Development Works under Siri Toi Dam Subproject, Zhob

Sr. No.	Name of Sub-project	Social Categorization	
		Involuntary Resettlement	Indigenous Peoples
1	Command Area Development Works under Siri Toi Dam Subproject, Zhob	Category "C"	Category "C"

The Subproject is classified as "Category C" both for involuntary resettlement (IR) and Indigenous Peoples (IP). The ADB IR and IP check lists are attached in Annexure III and IV. If any unanticipated impacts arise during the project implementation, the project will report to ADB of the occurrence of such impacts and will follow the requirements of the LARF.

ACTIVITY FLOW CHART OF CPP WORKS UNDER CAD OF BWRDSP	
ACTIVITY	ACTION
Selection of WC/FMIS/Khushkaba Works	PIO
Formation of WUAs	PIO
Bank A/C Opening of WUA	PIO
Registration of WUAs	DD (OFWM) Concerned
Rate Assessment of Construction Material	District Rate Committee
Output based Agreement Between PIO & WUA	PIO/WUA
Survey, Design and Cost Estimates	PIO
Verification/Approval of Survey, Design & Cost Estimates	Consultants
Technical Sanction	PIO
Deposit of 10% Farmers' Share to WUA A/C OR Identification and Execution of Works to be Done by WUA Inkind (May be Bed Clearance/Bed Excavation)	WUA
Certification of Interim Completion Report (ICR-I) as Mobilization Advance (40% of Total Cost) After Confirmation of Deposit of 10% FS or Work Done Inkind	Consultants
Transfer of Funds (40% of Total Project Cost) from Project A/C to WUAs through Cross Cheque (All Applicable Taxes May be Deducted at Source)	PIO
Initiate Procurement Process by Seeking Three Quotations from Local Material Suppliers and Small Contractors for Construction Works (Lowest Quoted Rates Shall be within the Fixed Ceiling Rates)	WUA
Payments to Suppliers Through Cross Cheques after Deducting Any Taxes Applicable (if Taxes are not deducted at source)	WUA
PIO will Issue Advice to the Bank alongwith Cheque to Transfer Payments to the Suppliers	PIO
Initiation of Construction Works with the Technical Assistance of PIO Field Staff	WUA/PIO
Spot Check for Quality Assurance	Consultants
Completion of 40% of Planned Works and Initiate ICR-II for Verification	WUA/PIO
Certification of ICR-II and Recommendation of Another 40% of Total Cost to WUA After Observance of Satisfactory Works Otherwise Ask for Rectifications	Consultant
Transfer of Funds (40% of Total Cost) from Project A/C to WUA's A/C through Cross Cheque	PIO
Civil Works Continued	WUA/PIO
Completion of 100% of Planned Works and Initiate FCR for Verification alongwith As Built Survey	WUA/PIO
Verification of FCR and Recommendation of Remaining 10% (Project Share) of Total Cost to WUA After Observance of Satisfactory Works as per Design Otherwise Ask for Rectifications	Consultant
Transfer of Funds (Remaining 10%) from Project A/C to WUA's A/C through Cross Cheque	PIO

Note:

1) The WUA shall maintain the Material Purchased and Consumed Record in a Register alongwith other Procurement Record with the Assistance of PIO Field Staff for Audit Purpose.
 2) In case the payments made to WUA in 1st and 2nd Installments (i.e., 80% of Total Cost) is not consumed 100% due to any reasons, the unspent amount shall be recovered from WUAs through cross cheque in the name of the project account.

3.4.5 Improvement of On-Farm Water Management Techniques/ Provision of Farm Machinery

Criteria for Selection of Farmers and Service Providers for Bed Formers and LASER Land Levelers has been submitted to PIO. Request for Quotation (RFQ) and specifications for procurement of LASER Land Levelers & Bed Formers have been submitted to PIO. 7 applications were received from Karkh and 4 applications were received from Zhob for Laser Land Leveler & Bed Former.

A total of 102 Laser Land Leveler will be given to farmers with 25% farmers share and 75% by the project, in which 68 Laser Land Leveler will be distributed in Zhob River Basin area and

34 in Mula River Basin area.

A total of 101 Bed Former, Shaper, Planter & Reversible moldboard ploughs will be distributed among the farmers with 25% farmers share and 75% by the project, in which 67 Bed Former, Shaper, Planter & Reversible moldboard ploughs will be distributed in Zhob River Basin area and 34 in Mula River Basin area.

3.4.6 Improvement of Agronomic Techniques (Irrigation Scheduling)

NGO is on board now, will conduct the training of farmers for improvement of agronomic techniques, such as irrigation scheduling, input applications for improvement of agriculture production. Community will be mobilized and sensitized when the work on Command Area Development started.



Training of Farmers on Efficient Use of Water for Agriculture

3.4.7 Construction of Kacha (Desert) Track & Access Roads

Kacha (Desert) track & access roads of 1,19,195 meters will be developed under all sub-project for the community/ Farmers in order to access their farms/ lands.

3.4.8 Provision of Training on Sustainable Farming

NGO has been hired, for provision of training on sustainable farming of men and women farmers on cultivation of improved seeds of hybrid vegetables, processing of fruits and vegetables, value addition, agribusiness and livestock management.

Sr. No.	Training Topic	Total Number of Training	Training Imparted	Training Remaining	Male / Female	Number of Male Participants	Number of Female Participants
1	High Value Agriculture Farming	15	15	0	Male	380	
2	Operation and Maintenance of Solar panels, Drip Irrigation and Efficient use of water	8	6	2	Male	150	
3	Kitchen Gardening	4	4	0	Female		100
4	Pre-Post Harvest Management, Agri-business	6	4	2	Male	100	
5	Pre-Post Harvest Management, Agri-business	2	4	0	Female		50
6	Cultivation of improved/hybrid vegetable seed	2	0	2	Male		
7	Livestock Production & Management	8	6	2	Female		115
Total		45	39	8		630	265
Total Number of Male and Female Beneficiaries Trained in different Capacities						895	

3.4.9 Pilot Testing of High-value Agriculture in Project Area

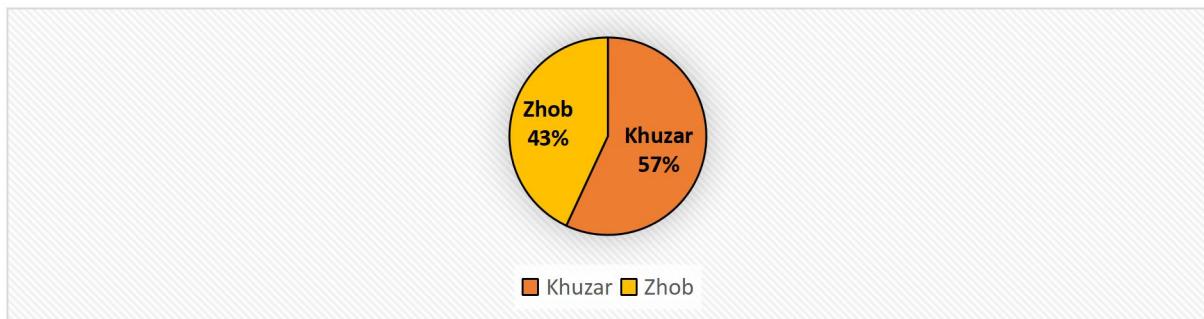
The pilot testing of 130 ha of high-value agriculture in the project area by demonstrating technology on at least 130 ha in 160 high-value fruit and vegetable farms in order to increase the agricultural production. 11,250 numbers (out of planned 22,000) High Yielding Fruit Plants have been planted at site. Physical progress is 51%.



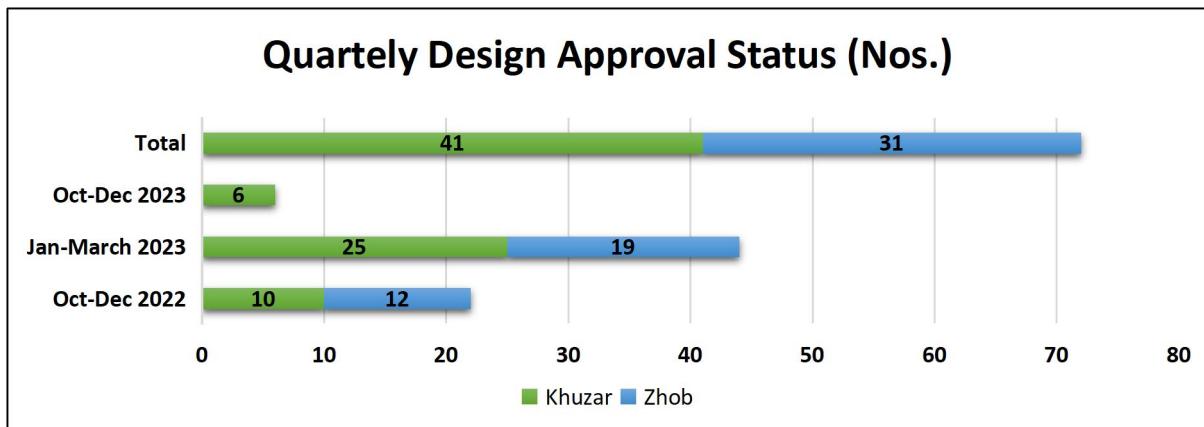
Training of Farmers on High Value Agriculture at District Khuzdar

3.4.10 Installation of Cost-effective Solar-Powered Drip Irrigation Systems (SPDISS)

During the period total 23 No. HEIS design proposals (Khuzdar 08 Nos. & Zhob 15 Nos.) were submitted to consultants for review. Consultant reviewed submitted HEIS design proposals and Approved 06 No. designs after incorporating necessary amendment. However, 17 No. designs were referred for modification. Site-wise detail of Approved design proposals is listed in Table-A, whereas list of sites referred for modification is attached as Table-B.



Up to the reporting period consultants have approved total 72 Nos. HEIS design proposals out of which 41 No. sites (57%) are located in District Khuzdar while 31 No. sites (43%) are located in District Zhob. Graphical representation of quarterly design approved by the consultants with overall approval status is shown in Figure below;



Materials of 16 packages (80units) have been delivered at the sites by the Contractors and that of 12 packages have been verified by the Consultants, while material verification for remaining 4 packages is in progress. Water bores are completed on 12 packages. Installation of solar system and drip irrigation is completed on 10 units while others are in progress. Up to the reporting period consultants have approved total 66 Nos. HEIS design

proposals out of which 35 No. sites are located in District Khuzdar while 31 No. sites are located in District Zhob. 100% contracts (120 numbers) have been awarded for installation of Solar Powered Drip Irrigation System and Construction of Wells. Physical progress is 81%.

The SDRDs of MRB and ZRB area were prepared and submitted for the installation of Solar Powered Drip Irrigation Systems for 80 pilot sites under Japan Fund for Poverty Reduction (JFPR) grant for high value agriculture in the Mula River Basin project area District Khuzdar. Similarly, during the period of 2023, following progress was recorded regarding installation of solar powered drip irrigation system in both river basins. **Table 11** indicates the updated progress during the reporting period.

Table 11: Provision of Solar Powered Drip Irrigation System to the Farmers

River Basin	Total target of farmers (No.)	Solar system installed by the Nos. of farmers upto Sep, 2023	Solar system installed by the Nos. of farmers upto Dec 2023				Total Number of Drip System Installed upto December 2023
			Oct	Nov	Dec	Total	
MRB	60	46	2	2	1	5	51
ZRB	60	50	0	0	0	0	50
Total	120	96	2	2	1	5	101



Training of Male Farmers on Solar Power Drip Irrigation Systems at District Zhob



Training of Female Farmers on Solar Power Drip Irrigation Systems at District Zhob

Installation of Olive Oil Extraction & Fruits & Vegetables Processing Plants

Area and beneficiaries for installation of 2 olive oil extraction plants and 2 processing plants for fruits and vegetables in project area under JFPR High-Value Agriculture grant have been finalized, IFB for NCB contract for procurement of Agri-processing facilities published on December 23, 2022 and bids have been opened on January 23, 2023, after evaluation of bid, Contract for procurement of Agri-processing facilities has been signed on 17 April

2023. Training of women on processing of fruits and vegetables & value-addition will be given by NGO.

River Basin	Type of Plant	Qty (Nos.)	Name
Mula River Basin	Oil Extraction Plant	01	M. Akhter Mangal
	Fruit/Vegetables Processing Plant	01	Abdul Malik
Zhob River Basin	Oil Extraction Plant	01	Haji Fazal Qadir
	Fruit/Vegetables Processing Plant	01	Muhammad Adnan



3.4.11 Women-led Small-Scale Income-generating Agribusinesses for Livestock

These interventions are included in TORs of NGO (has been hired on 16th of March 2023). 69 number of units of 10 goats (Boer)/ Sheep (Balochi, Rakhshani and Bibrikh up to 6-month age) procured by shopping method and distributed to women (selected through inviting applications) of Badinzai and Tora Darga (Zhob River Basin). Procurement and distribution of 69 number of units of 10 goats has been completed. 69 number of units of 4 (3FM+1M) Kamori Goats (One year or less than one-year age) procured by shopping method and distributed to women (selected through inviting applications) of Karkh (Mula River Basin). Procurement and distribution of 69 number of units of 4 (3FM+1M) Kamori Goats has been completed.



During the period of 2023, the following progress have been achieved shown in the **Table 12**.

Table 12: Distribution of Goats/Sheep to the Women

River Basin	Total target of women (No.)	Total Nos. of women received ruminant up to September 2023 (Nos.)	Total Nos. of women received ruminant up to December 2023 (Nos.)	Total Nos. of women to be provided ruminant (Nos.)
MRB	69	69 (100%)	-	69 (100%)
ZRB	69	62 (90%)	7 (10%)	69 (100%)
Total	138	131 (95%)	138 (100%)	138 (100%)

To keep animals healthy, project provided cash incentives to the women beneficiaries of livestock feed. During the month of August 2023, PIO distributed the cheque to the women of Zhob area and Khuzdar area for fodder and treatment of their goats/sheep. Training to

men and women was also provided for their capacity building. Few photographs of cheque distribution are provided below.

Activity	Total No.	%age	Achievement		Not yet due	
Cash payment for feed	138	100%	138	100%	Done	
Capacity building of agriculture farmers (men/women)	1050	100%	380	36 %	670	64%



3.4.12 Awareness Programs on Safe Drinking Water & Food Nutrition for Women and Girls

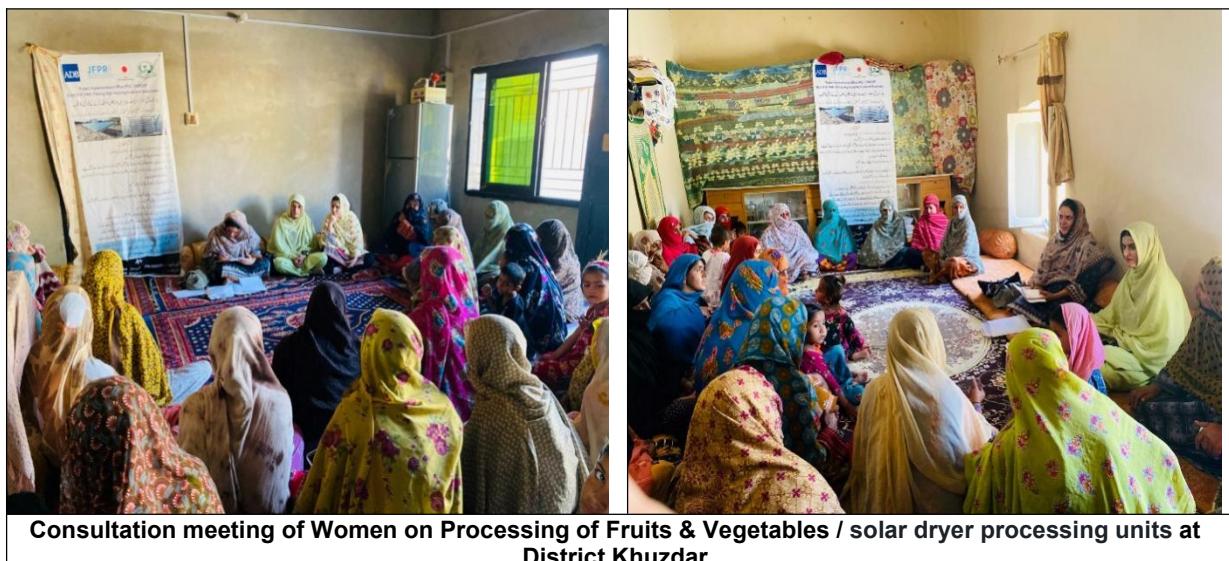
Awareness programs on safe drinking water practices and food nutrition for women and girls will be implemented by NGO. NGO is now conducting field visits of the project area.

3.4.13 Training of Women & Girls in Kitchen Gardening Skills

Training to farmers in particular to 250 women and girls in kitchen gardening skills are given by NGO, in order to increase the women empowerment and their farm income.



Consultation meeting of Women on Processing of Fruits & Vegetables / solar dryer processing units at District Zhob



3.4.14 Implementation Challenges and Mitigation Measures under Output-2

The implementation challenges, issues and mitigation measures taken & to be taken are described in the below **Table 13**.

Table 13: Implementation Challenges & Mitigation Measures under Output-2

Sr. No.	Implementation Challenges	Mitigation Measures
1	The mission shared with Irrigation Department and Agriculture Department representatives their concerns regarding the plans for the Siri Toi Dam command area development (CAD)	The PMO and Project Implementation Office (PIO) agreed to an integrated report with roadmap for Siri Toi CAD, including on land ownership/distribution, agriculture development model, water distribution, engineering, soil classification, consultations especially with beneficiary population, training, and extension services. The report will include clarity on the current ownership and eventual distribution of land for farming in the command area.
2	The mission and PIO reviewed and discussed the JFPR grant project implementation status	The mission and PIO reviewed and discussed the JFPR grant project implementation status. PIO confirmed that these two packages' contracts will be awarded by the end of January 2024 and the activities will be completed by 31 March 2024. However, the remaining disbursements of \$2.2 million (\$1.55 million for ADB share) may be completed beyond 31 March 2024 due to delays in the government counterpart funding provision
3	The mission and PMO reviewed and discussed the implementation status of the HLT Fund grant component	PMO confirmed that completing the disbursement of the remaining undisbursed amount (\$1.29 million) may go beyond 31 March 2024 due to delays in the government counterpart funding provision. PMO will make all possible efforts to disburse the remaining amount by 31 March 2024, the current completion date
4	Registration of Water User's Associations	67 WUAs in MRB, 132 WUAs in ZRB have been registered & their Accounts have been opened. DD OFWM are on board & process of future WUAs would be expedite.
5	Selection of Farmers Managed Irrigation Schemes	The criteria have been prepared and approved by PIO, so far 5 schemes in MRB and 2 in ZRB have been identified.
6	Criteria for Selection of farmers and service providers	11 selection criteria have been prepared and approved by PIO.
7	Construction of lined watercourse	PIO & Consultants field staff doing survey, and

Sr. No.	Implementation Challenges	Mitigation Measures
		preparing detail designs of watercourse.
8	Physical activities under CAD of Siri Toi Dam	Physical activities will be started after the construction of outlets on distributaries/ canals.
9	Installation of 160 Cost-effective Solar-Powered Drip Irrigation Systems (SPDISs)	Contracts for 120 SPDISs have been awarded, work is in progress in Badinzai, materials of 16 packages (80units) have been delivered at the sites by the Contractors and that of 12 packages have been verified by the Consultants, while material verification for remaining 4 packages is in progress. Water bores are completed on 12 packages. Installation of solar system and drip irrigation is complete on 10 units and is in progress on the others. Work is expected to be completed by the end of June 2023.
10	Installation of 2 Olive Oil Extraction Plants and 2 Fruits & Vegetables Processing Plant	Contract for procurement of Agri-processing facilities has been signed on 17 April 2023.
11	A) Provision of small ruminants for fattening to women for income generation B) Women-led Small-Scale Income-generating Agribusinesses for Livestock	69 number of units of 10 goats (Boer)/ Sheep (Balochi, Rakhshani and Bibrikh up to 6-month age) procured by shopping method and distributed to women (selected through inviting applications) of Badinzai and Tora Darga (Zhob River Basin). Procurement and distribution of 69 number of units of 10 goats has been completed. 69 number of units of 4 (3FM+1M) Kamori Goats (One year or less than one-year age) procured by shopping method and distributed to women (selected through inviting applications) of Karkh (Mula River Basin). Procurement and distribution of 69 number of units of 4 (3FM+1M) Kamori Goats has been completed
12	Training of farmers on operations, and maintenance of installed drip irrigation system	On the basis of technical and financial evaluation of the quotations, contract has been awarded to M/s Taraqee Foundation on 16 th of March, 2023, which has started its services on 01 April 2023. NGO is now conducting field visits for strengthening of community capacity of High Value Agriculture.
13	Training of farmers on efficient use of water	
14	Training of farmers on High-Value Agriculture Farming (men and women)	
15	Trainings of farmers on cultivation of improved seed of hybrid vegetables	
16	Training of women in processing of fruits and vegetables and value addition	
17	Training of farmers (men and women) on agri-business	
18	Training of women on livestock management	

3.5 OUTPUT-3 INSTITUTIONAL CAPACITY STRENGTHENED

The PMO office is operational in full strength at Jinnah Town Quetta. The PIO office is also operational and housed along with PMO in same office at Jinnah Town Quetta and have support of field offices of Agriculture OFWM at Zhob and Khuzdar cities. While the BWRDSP Consultants are assisting the PMO & PIO for effective executing and implementation of the project.

3.5.1 Provision of Consulting Services for Detailed Engineering Design, Construction Supervision, and Implementation Support

To present the detailed role & responsibilities for the proposed Consultancy Services is schematically shown in **Figure 3** and organizational chart of the Consultants is shown in **Figure 4**. While the Site visits held by the Client & Consultants' Team during the reporting period and input utilization are listed in **Appendix 6 & Appendix 7** respectively.

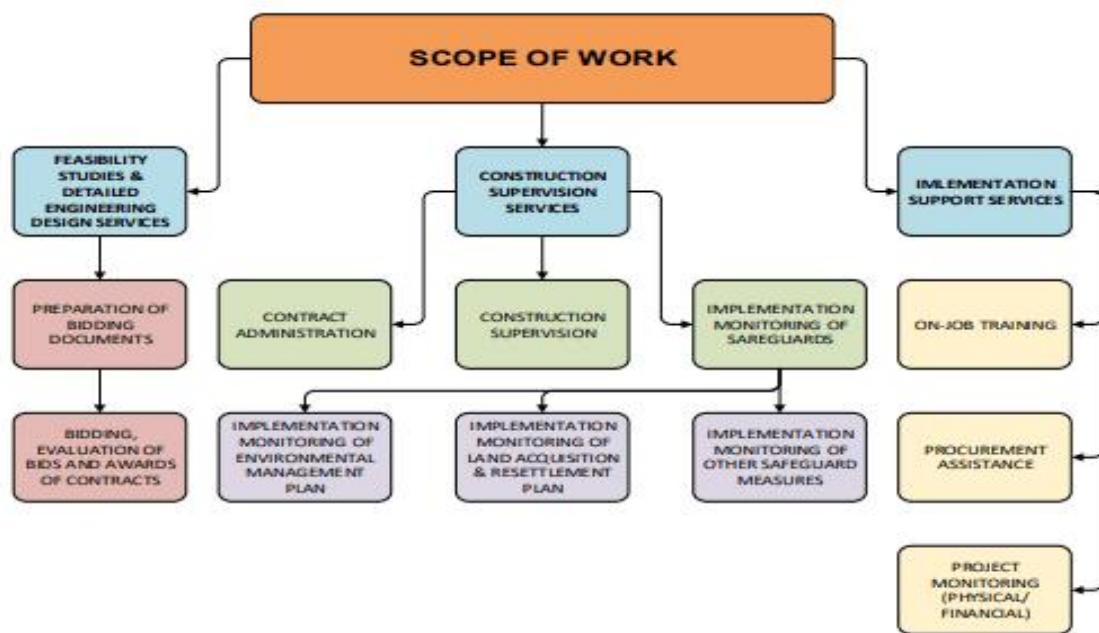


Figure 4: Role & Responsibility Matrix

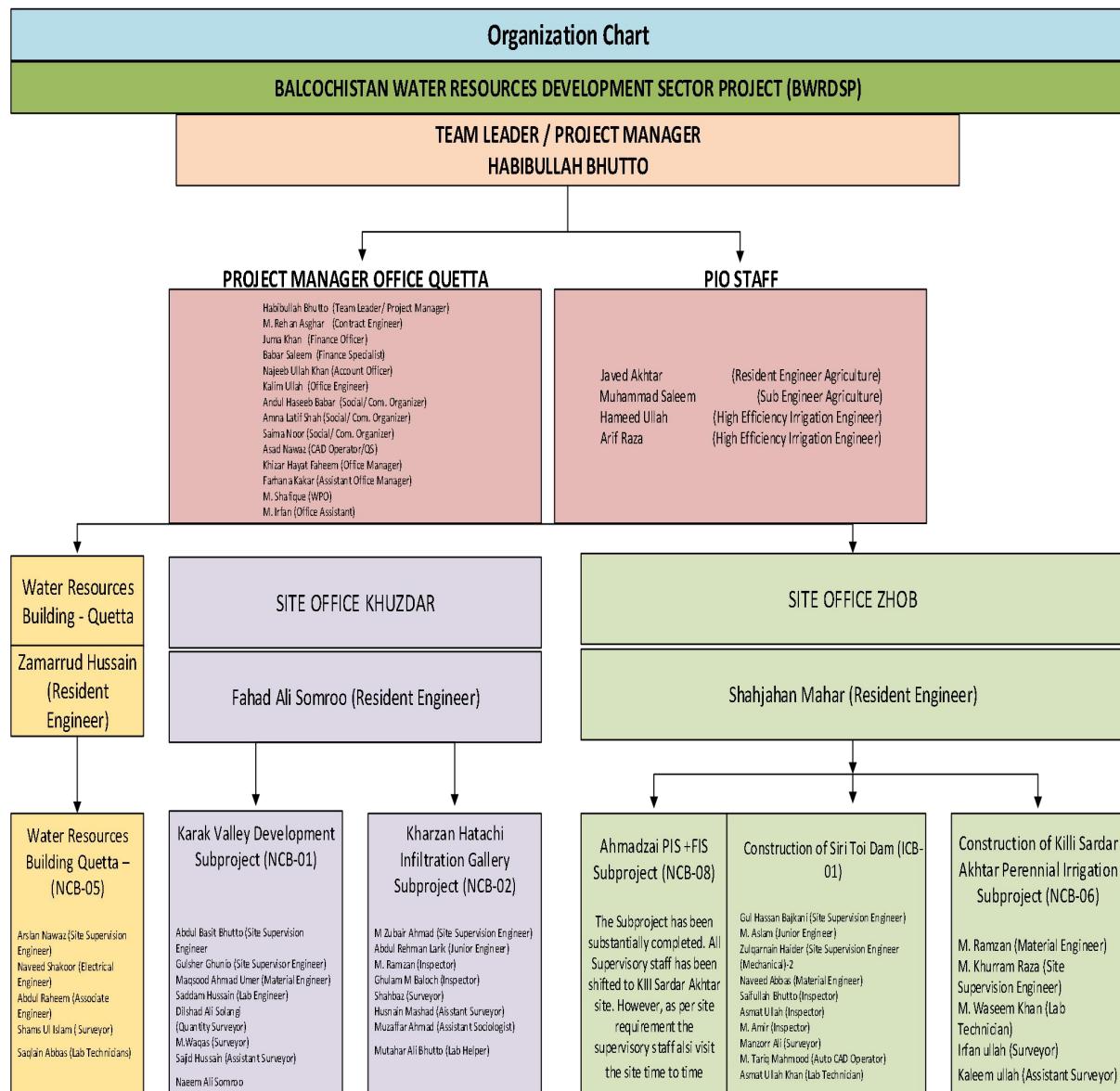


Figure 5: Organizational Chart of the Consultants

3.5.2 Water Resources Building

Water resources building for housing water resources information system (WRIS) is being constructed with 86% of work completed against 100% time elapsed. PMO/ Consultants has extended the completion time span of 9 months from September 23, 2023 to June 23, 2024 for construction of water resources building. Water resource building will be built with ADB loan, while the establishment and operational activities of water resource information system (WRIS) will be carried out with Technical Assistance.



3.5.3 Establishment of Network for Monitoring of Weather & River Inflow in 10 River Basins under HLTF- Grant

ADB's No abjection letter (NOL) received on January 19, 2023. Contract was signed on January 23, 2023. Field survey was conducted along with the staff of P&M Wing of Irrigation Department. PMO provided the comments on Inception/ Design Report that was submitted in February 23, 2023. The DG, WRPD&M has nominated a panel of 6 officers to proceed abroad for overseeing factory acceptance test for the equipment's. Six (06) Officers including Officials went to South Africa and for overseeing the factory acceptance test for the equipment's. Equipment will be shifted soon for establishment of Network for Monitoring of Weather & River inflow in 10 River Basins.

A view of Site for Automatic Weather Station



A view of Site for Automatic River Level



3.5.4 Climate Resilient Water Resources Management Study TA 9576-PAK (JFPR)

The TA's support to Irrigation Department's request for additional tasks under the Water Resource Study activity was discussed during the mission. They include (i) preparing the climate change design guidelines at district level, (ii) estimating floods at critical locations where damages occurred during 2022 floods, and comparing with the design flood frequency datasets, (iii) climate change impact of dynamically downscaled data; (iv) ground truthing of groundwater assessment GRACE data; and (v) using artificial neural network in future land-use changes projections, and updating hydro climate modelling and water balance assessment.

The mission, PMO, and the TA firm consultant that has been undertaking the study activities agreed that the TA firm consultant will prepare a draft Water Act by June 2023 and submit it to the PMO for its further review and submission to the government's higher authority for approval. It was also agreed that the PMO will assure close and timely coordination with the concerned government's agencies and other development partners such as the World Bank for preparing the Water Act and IWRM policy work.

An international policy and legal expert (Mr. Paulo Reggiani) have been brought on board to frame the water Act. Number of meetings have been conducted at Islamabad with the federal government stakeholders. A meeting with Irrigation Department and technical working group is scheduled at Quetta in first week of July 2023.

3.5.5 Improved Project Management & Implementation Skills of Staff from ID, ACD and PMO/PIO, of which 30% are Women

The PMO and PIO staff have been trained on financial management, disbursement, procurement, and gender by ADB Pakistan Resident Mission staff. The details of project management & implementation skills by PMO & PIO are given in below **Table 14** respectively.

Table 14: PMO/PIO Staff with Trainings/ Skills

Sr.	Name of Key Staff Position	Staff Strength (No)	Trainings/ Skills
1	Mr. Sufyan Samim Khan, Project Director (additional charge)	1	FIDIC, ADB Procurement Guidelines, BRF, Safeguard Policy Review updates, investing in women (Advancing the transformative gender agenda in Central west Asia)
2	Mr. Sufyan Samim Khan, Deputy Project Director (ZRB) Mr. Asif Hussain Mastoi Deputy Project Director (PIO)	1	FIDIC, ADB Procurement Guidelines, BRF, Safeguard Policy Review updates, investing in women (Advancing the transformative gender agenda in Central west Asia)
3	Mr. Nadeem Mansoor, Deputy Project Director (MRB) (additional charge)	1	FIDIC (Procurement), GRM, PyAEZ (Agro Ecological Zone), Ground water Recharge
4	Mr. Mohammad Anwer Bazai, Divisional Account Officer	1	BRF
5	Mr. Nadeem Mansoor, Assistant Engineer (ZRB)	1	FIDIC (Procurement), GRM, PyAEZ (Agro Ecological Zone), Ground water Recharge
6	Mr. Abubakar, Assistant Engineer (MRB)	1	FIDIC (Procurement), GRM, PyAEZ (Agro Ecological Zone), Ground water Recharge
7	Mr Muhammad Tahir, Senior Project Analyst Ms. Umaira Jamal	1	NBS for resilient Water sector in South Asia Agro-Ecological Zoning by FAO
8	Ms. Samina, Senior Sociologist	1	GRM, NBS for resilient Water sector in South Asia, Safeguard Policy Review updates.
9	Mr. Awais Khan, Admin Officer	1	FIDIC, NBS for resilient water sector in South Asia, investing in women (Advancing the transformative gender agenda in Central west Asia)
10	Sufyan Aziz, Office Assistants. Mr. Noor Ahmed & Mr. Salman Ahmad, Asst. Admin. Officer Ms. Umaira Jamal	4	NBS for resilient Water sector in South Asia
11	Ms. Sana Intizar, (Assistant to PD), Mr. Danial Ali, Computer Operator. Mr. Ahmadullah & Mr. Noor Yasin	4	FIDIC
12	Ms. Shafia Bibi, Sociologist Assistant	1	NBS for resilient Water sector in South Asia
Total		18	

3.5.6 Training of Farmers by increasing their Knowledge & Skills on Efficient Use of Water and Value-added Farming

The guidelines on efficient use of water and value-added farming have been formulated by PIO, but the implementation of these guidelines and training of 750 farmers will be carried through NGO in the project area of sub-projects by increasing their knowledge & skills on

efficient use of water and value-added farming. NGO has been hired, which is now conducting field visits.

3.5.7 Training of Women for Income-generating High-value Agri-businesses

Capacity building of the community for High-Value Agriculture will be carried through NGO in project area of sub-projects, in which at least 250 women have to be trained for income generating high-value agriculture businesses. NGO will conduct the training of women farmers for high-value agriculture, processing of fruit & vegetables, agri-business, sustainable farming, efficient use of water and agricultural inputs and livestock related activities.



3.5.8 Implementation Challenges and Mitigation Measures under Output-3

The implementation challenges, issues and mitigation measures taken & to be taken are described in the below **Table 15**.

Table 15: Implementation Challenges & Mitigation Measures under Output-3

Sr. No.	Implementation Challenges	Mitigation Measures
1	Slow work progress of water resources building for water resources information system WRIS	PMO with the assistance of Consultants monitoring the work progress eagerly of contractors for timely completion by June, 2024. 41% physical progress has been achieved.
2	Delayed procurement of equipment of WRIS under Technical Assistance TA	Contract variation delayed the procurement. Six (06) Officers including Officials went to South Africa for overseeing the factory acceptance test for the equipment's. Equipment will be shifted soon for establishment of Network for Monitoring of Weather & River inflow in 10 River Basins.
3	JFPR and HLTF supported activities	Six (06) Officers including Officials went to South Africa for overseeing the factory acceptance test for the equipment's. Equipment will be shifted soon for establishment of Network for Monitoring of Weather & River inflow in 10 River Basins. An international policy and legal expert (Mr. Paulo Reggiani) have been brought on board to frame the water Act. Number of meetings have been conducted at Islamabad with the federal government stakeholders. A meeting with Irrigation Department and technical working group is scheduled at Quetta in first week of July 2023.

Sr. No.	Implementation Challenges	Mitigation Measures
4	Detail time bound work plan	Has been prepared by PMO/ PIO, Concerned Departments & Consultants.
5	Detail responsibility matrix	Has been prepared by PMO/ PIO, Concerned Departments & Consultants.

4. SOCIAL SAFEGUARDS, COMMUNITY DEVELOPMENT & GENDER ACTION PLAN (GAP)

4.1 GENERAL

The activities carried out or completed during period covers the components of Social Safeguard, Community Development and Gender Development tasks. A list of reports submitted by Social Development & Gender Specialist is placed in **Appendix- 8**.

4.2 LAND ACQUISITION AND RESETTLEMENT ACTION PLAN OF SIRI TOI DAM SUBPROJECT-ZRB

Final LARP of Siri Toi Dam was prepared after verification of land records, noting structures and activities of Displaced Persons (DPs) on 16th December 2021. The LARP was improved by incorporation of ADB comments and necessary information, and it was approved by ADB. The SDDR of Siri Toi dam of Unsettled land is being implemented. The LARP of settled land/area was approved and accordingly LARP budget Rs.36.88 million was prepared/approved by DAPC. Again, the ADB, s comments on flat rate per acre and data of vulnerable were incorporated during March, 2023.

Section 9 was notified by the revenue department in January 2023. Now waiting for the notification of Section 11 for the payment of land compensation to 129 DPs. DC Zhob needs to expedite the land acquisition process.

4.3 EXTERNAL MONITOR ACTIVITIES

The External Monitor (EM) Mr. M. Aslam Malik held meetings with project officials at Quetta and Zhob. EM visited site with Resettlement Expert to get information from locals on unsettled land of Siri Toi Dam and carried following activities. Internal Monitoring Report (IMR) of the unsettled land under the Siri Toi Dam Subproject was submitted during March 2022. After that, External Monitor (EM) visited the site in the past and also in May 2023 and submitted External Monitoring Report (EMR) on unsettled land of Siri Toi Dam.

- Hold a meeting with the DPD, Mula River Basin (Mr. Sufyan Durrani) for discussing the status of unsettled land;
- Hold a meeting with representative of Department of Revenue (Mr. M. Bashir) District Zhob to obtain the revenue maps of unsettled land;
- Visited the dam site with the representative of Revenue department to evidence the unsettled land of dam body and left & right bank canals and its distribution system;
- Conducted consultation with the local community; and
- Preparation of maps demarcating the settled and unsettled land of the dam body.

EMR was submitted which stated that: based on the detailed design, total 1093 acres of land will be acquired for the sub-project. Out of which 727.30 acres will be acquired for the Siri Toi Dam, 135 acres will be acquired for the Right Bank Irrigation System and 230.50 will be acquired for the Left Bank Irrigation System. In total, 365.50 acres of land will be acquired for the both left and right bank irrigation systems. Out of total 1093 acres' land to be acquired, 88 acres is the settled land (privately owned) and remaining 1005 acres is the unsettled land (government owned) and considered as public land. Out of total 88 acres settled land, 07 acres located in dam area and remaining 81 acres falls in the left bank irrigation system. Out of total 1005 acres unsettled land, 720.30 acres falls in dam area, 149.50 acres falls in the left bank irrigation system and remaining 135 acres falls in the right bank irrigation system.

4.4 SOCIAL DUE DILIGENCE REPORTS (SDDRS)

During the period of 2023, Social Due Diligence Reports (SDDRs) of Command Area Development Works under Siri Toi Dam Subproject, Zhob was prepared and submitted to the Client. While, SDDRs of Ahmadzai PIS+FIS, Karkh Valley Development Scheme, Killi Sardar Akhter PIS, Kharzan-Hatachi Infiltration Gallery, Churri Irrigation subproject and Pashta Khan & Garambowad PIS were prepared and already submitted to the ADB. During the last reporting period, SDDR of Churri irrigation subproject was also prepared and submitted. Also conducted project impact assessment of Sabakzai dam subproject.

After the social screening, following categorization of the sub-project Command Area Development Works under Siri Toi Dam Subproject, Zhob is recommended (Table 4). The Command Area Development Works under Siri Toi Dam Subproject, Zhob will not involve any land acquisition or demolition of any built-up private properties. Due to insignificant impacts of the project, the project is categorized as "C category Project". The Status of submission of SDDRs is also provided in **Appendix-8**.

Social Categorization of Command Area Development Works under Siri Toi Dam Subproject, Zhob

Sr. No.	Name of Sub-project	Social Categorization	
		Involuntary Resettlement	Indigenous Peoples
1	Command Area Development Works under Siri Toi Dam Subproject, Zhob	Category "C"	Category "C"

4.5 IMPLEMENTATION OF GENDER ACTION PLAN

On this Project, the GAP carries much importance as Output 1 & 2, there are number of targets to be achieved during the project period. To achieve these targets, there are line departments like Agriculture/Horticulture, Forest, OFWM and Livestock.

The Consultants with the close coordination and support of PIO, worked in the both river basins and conducted 30 consultation meetings with males and females of 08 subprojects fall in Mula River Basin (MRB) Khuzdar and Zhob River Basin (ZRB) Zhob from August 2020 to Sep. 2023 and achieved remarkable progress regarding needs assessment. The needs assessment was submitted to the Client on monthly and quarterly basis

The activities of provision of livestock (goats/sheep) to the vulnerable and poor women have been started. Meetings conducted with the females in both river basins. Scrutinized the applications as per selection criteria and prepared SDDRs of Mula river basin and Zhob river basin. The updated gender action plan progress is provided in **Appendix 9**.

5. ENVIRONMENTAL SAFEGUARD STUDIES

5.1 PROGRESS OF ENVIRONMENTAL SAFEGUARD ACTIVITIES UPTO DECEMBER 2023

During the period, BWRDSP consultants carried out environmental and social monitoring under sub-projects.

- Environmental Compliance Monitoring activities at all subproject sites
- Prepare Initial Environmental Examination Report of NCB-07 Manyalo Raiko
- Meetings with ADB TA Review Mission (21- 26 November 2023) regarding progress on environmental safeguards and site visits to Siri Toi Dam, Killi Sardar Akhtar, and Ahmedzai schemes.
- Attended ADB online Session on "Preparation of SSEMP" and "Health & Safety" on 22-23 November 2023
- Attended ADB TA-10110-Online Sessions on ADB's Environmental Safeguards Monitoring and Reporting on 29-30 November 2023

- Review of Site-Specific Health and Safety Management Plan SSHSMP' and Site-Specific Environmental Management Plan - SSEMP NCB-04 Pashta Khan and provision of comments to contractor
- Review of Site-Specific Health and Safety Management Plan SSHSMP' and Site-Specific Environmental Management Plan - SSEMP NCB-07 Manyalo Raiko and provision of comments to contractor
- Drafting and Issuance of Non-Compliance Notices to ICB-01, NCB-05 and NCB-06 Contractors
- Review of Environmental Instrumentation Monitoring reports of contractors
- Coordination with Contractors Environment and HSE field staff for providing guidance for proper EMP Implementation

Chapter/Plans/Reports prepared during this period

- Updating and finalizing Semiannual Environmental Monitoring Report (January-June 2023) as per ADB comments

Environmental Reports submission record is furnished in **Appendix 10** upto the reporting period.

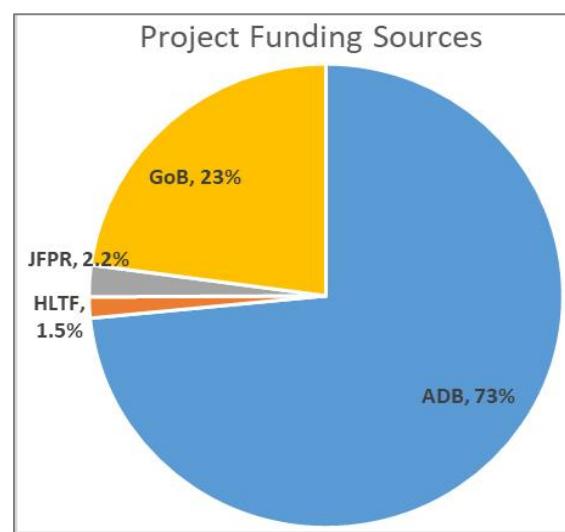


6. UTILIZATION OF FUNDS- ADB LOAN & COUNTERPART FUNDS

The estimated project cost is US\$136.14 million. ADB will provide Loan (3700-PAK) finance of \$100 million, JFPR Grant 9197-PAK \$3.00 million, High Level Technology Fund (HLTF) Grant 0597-PAK \$2.00 million and the Government of Balochistan will provide the balance amount \$31.14 million in percent contribution is depicted in adjacent pie chart.

The summary regarding sources of funds, allocation and disbursements is given in

Table 16 to Table 20. The detail of Funds Allocation and Disbursement, in which loan/grant time table, project funding allocations, contract awards, amount disbursement, and outstanding balance is present in **Appendix 11**.



6.1 CUMULATIVE CONTRACT AWARD AND DISBURSEMENT

Table 16: Status of Withdrawal Applications from Start of Project till the end of Reporting Year December 31, 2023

Total Loan/ Grant Allocation	Withdrawal Application Submitted to ADB	Amount requested US\$	Date of disbursement by ADB	Amount Approved/ Released by the ADB US\$
Loan L3700-PAK US\$ 100 Million	Initial advance (A0001)	3100,000.00	1/11/2019	3,100,000.00
	Reimbursement (A0004) Equivalent to US\$	121,239.73	22/11/2021	121,239.73
	Initial Advance (B0002)	394,000.00	10/12/2021	394,000.00
	Additional Advance (A0005)	7,202,229.97	15/12/2021	7,202,229.97
	Replenishment (A0006)	926,421.24	20/12/2021	926,421.24
	Direct Payment (A0007) Equivalent to US\$	3,206,278.71	20/05/2022	3,206,278.71
	Replenishment (A0008)	5,530,862.20	07/09/2022	5,530,862.20
	Replenishment (A0009)	3,065,221.73	06/02/2023	3,065,221.73
	Replenishment (A0010)	3,152,171.29	16/06/2023	3,152,171.29
	Replenishment (A0011)	1,870,334.16	30/06/2023	1,870,334.16
	Replenishment (A0012)	3,170,430.44	21/08/2023	3,170,430.44
	Replenishment (B0003)	168,441.05	20/10/2023	168,441.05
	Replenishment (A0014)	2,287,873.12	11/12/2023	2,282,127.84
	Replenishment (A0015)	1,760,315.62	21/12/2023	1,760,315.62
	Replenishment (B0005)	190,147.28	18/12/2023	190,147.28
Grant -9197 US\$ 3 Million	Initial Advance (AB001)	881,965.93	14/02/2022	741,419.22
	Replenishment (AB002)	704,070.88	05/05/2023	704,070.88
	Direct Payment (AB004) Equivalent to US\$	251,511.83	21/11/2023	251,511.83
	Replenishment (AB005)	536,442.60	13/11/2023	536,442.60
Grant -G0597 US\$ 2 Million	Direct Payment (C0001)	13,280.00	22/05/2023	13,280.00
	Direct Payment (C0002)	692,767.80	05/10/2023	692,767.80
	Direct Payment (C0001)	346,383.90	22/12/2023	346,383.90

Table 17: Funds Disbursements and Utilization by Financier up-to December 31, 2023

Loan/Grant	Loan/Grant Commitment US\$	Loan/Grant Disbursed up to 31 December US\$	Total Expenditure up to 31 December US\$	Percentage of Disbursed Funds Against Loan/Grant	Percentage of Expenditure Against Disbursed Funds	Burn Rate/Utilization Ratio
Loan (3700-PAK)	100,000,000	36,140,221.26	29,739,000	36%	82%	30%
JFPR Grant 9197	3,000,000	2,233,444.53	1,613,077	74%	72%	54%
HLTF Grant 0597	2,000,000	1,052,431.70	1,052,432	53%	100%	53%
Total	105,000,000	39,426,097.49	32,404,509	38%	82%	31%

Funds Disbursements and Utilization of Counterpart Fund upto December 31, 2023

Share of Counterpart Fund Share from GoB Committed for the PSDP 2023-24	Share of Counterpart Fund; Released by the GoB During 2023-24	Amount Surrendered During the Year to GoB	Expenditure during 2023-24 upto Dec, 2023
PKR 600,000,000	225,000,000	-	201,511,366

Table 18: Financial Phasing as per PC-I & Status of Releases up-to December 31, 2023

Financial Year	Financial phasing as per approved PC-I	PSDP Allocation	Release of Funds
2018-19	134.2	-	-
2019-20	476.3	100	50
2020-21	907.5	50	50
2021-22	1,245.2	1000	500
2022-23	1,102.2	1000	755
2023-24	-	600	225
TOTAL	3,865.4	2750	1,580

Table 19: Funds Utilization by Expenditure Category up-to December 31, 2023

Category	Allocated US\$ Millions	Funds Utilization US\$ Millions	%
A. Investment Costs			
1. Civil works	101.66	27.974	28 %
2. Goods	5.67	3.321	59 %
3. Consulting Services (including training)	7.47	3.931	53 %
4. Environment, Resettlement and Land Implementation	0.50	0.168	34 %
B. Recurrent Costs	2.19	0.993	45 %
5. Project management			
C. Contingencies			
1. Physical	2.54	0.269	11 %
2. Price	12.89	1.659	13 %
D. Financial Charges During Implementation	3.22	-	-
1. Interest during construction			
Total	136.14	38.315	28 %

Table 20: Output-wise Funds Utilization up-to December 31, 2023

Sources of Funds	Allocated US\$ Million	Funds Utilization US\$ Million	%
Output-1 (Irrigation Infrastructure and Watershed)	106.58	29.761	28 %
Output-2 (Command Area Established and/or Improved)	18.34	1.450	8 %
Output-3 (Institutional Capacity Strengthened)	11.21	7.104	63 %
Total	136.14	38.315	28 %

Note: - Numbers may not sum precisely due to rounding off values.

7. FINANCIAL MANAGEMENT AND SUSTAINABILITY ACTION PLANS

Financial management and sustainability action plans provides mitigation actions required to mitigate financial risks; Adopt Financial Management Manual, Hire Financial Management Staff, Opening of Advance Accounts, Payment of ongoing projects, Verification and maintenance of submitted bills and to Maintain IT department by the client. All indicated actions have been complied with as detailed in below **Table 21**.

Table 21: Financial Management and Sustainability Action Plans

Sr. No.	Risk	Action	Action Taken	Responsibility	Resources	Timeline	Statuses of Compliance
1	Execution risk due to financial management systems at Irrigation Development and ACD's Accounts Officer may not have sufficient understanding of ADB's financial management requirements and procedures;	Adopt Financial Management Manual and tailor it accordingly to the need of the project.	The project has adopted the financial management manual of the ADB for execution based on the fact it is full filling all the needs of the Project.	PMO (Irrigation Department) and PIO (ACD)	PMO Financial Management Staff, PIO Accounts Officer & Project Director	Within 3 months after loan effectiveness	Complied
		Hire Financial Management Staff for PMO and PIO	The Project has hired professionally qualified and experienced staff for PMO and PIO. The FMS of the PMO is ACCA qualified with 10 years' experience in Public and Private sector. His recent work experience was on same type project of the Government of Balochistan. The FMO of the PIO is MBA Finance with 16 years of experience.				
		Timely opening of Advance Accounts	The Project has opened its Bank Accounts for Loan, Grant and Counterpart funds with the National Bank of Pakistan.				
2	Implementation risk due to delays in counterpart funding	Timely payment of ongoing projects	The Planning and Development Department, Government of Balochistan has allocated Rs. 1,000 million in Provincial PSP for the financial year 2022-23 as a counterpart fund.	Project Director and Account Officer	PMO Financial Management Staff, PIO Accounts Officer and Project Director	Within 3 months after loan effectiveness	Complied
3	Compliance risk that expenditure incurred will not be in accordance with applicable legal framework.	The account officer has to maintain necessary list of documents and prepare a check list for verification of each submitted bills accordingly.	The project finance department maintains complete record of each and every transaction. Each payment is made after verification of bills, budget availability check and approval from Project Director.	Account Officer	PMO Financial Management Staff and PIO Accounts Officer	Within 3 months after loan effectiveness	Complied
4	Information systems are non-existent, which results in the risk of inaccurate and delayed reporting.	An IT department should be maintained by the PMO, PIO (ACD)	IT officer was appointed in November, 2020 to establish the IT department. The IT department is now fully functional.	Project Director	PMO and PIO (ACD) IT Department	Within 3 months after loan effectiveness	Complied

8. MONITORING AND REPORTING

8.1 PROJECT PERFORMANCE MANAGEMENT SYSTEM

To monitor the progress of the project in achieving the planned outcome and outputs, the PMO has yet to establish and maintain the Project Performance Management System (PPMS) which would be designed to permit adequate flexibility to adopt remedial action regarding project design, schedules, activities, and development impacts. The PMO is responsible for monitoring and reporting on project performance. The basis for performance monitoring is the design and monitoring framework, which identifies performance targets for the impact, outcome, and outputs of the project.

The PMO would provide ADB with (i) quarterly project progress reports in a format consistent with ADB's PPMS; (ii) consolidated annual reports including (a) progress achieved by output as measured through the indicator's performance targets, (b) key implementation issues and solutions, (c) updated procurement plan, and (d) updated implementation plan for the next 12 months; and (iii) a project completion report within 3 months of physical completion of the project. In addition, the PMO would submit ADB the following reports (i) semiannual environmental monitoring report; (ii) semiannual resettlement monitoring report; and (iii) audited accounts within 6 months of the end of each fiscal year. The PMO would also forward external resettlement monitoring and evaluation reports to ADB.

8.2 PROJECT COMPLIANCE MONITORING WITH COVENANTS

The mission and PMO reviewed the project covenants for compliance under the project. Most of the due covenants are complied with while the covenant relating to GOB's review of irrigation tariff policy is being reviewed in the updating of the IWRM Policy. The status of compliance with project specific covenants is given in **Table 22**.

Table 22: Status of Compliance with Project Specific Covenants

Product	Schedule	Para No.	Description	Remarks/Issues	Type	Status
Loan 3700	5	1	Implementation Arrangements: The Borrower and Balochistan shall ensure that the Project is implemented in accordance with the detailed arrangements set forth in the PAM. Any subsequent change to the PAM shall become effective only after the approval of such change by the Borrower and ADB. In the event of any discrepancy between the PAM, on the one hand, and this Loan Agreement, the Grant Agreements or the Project Agreement, on the other, the provisions of this Loan Agreement, the Grant Agreements and the Project Agreement shall prevail. As more particularly described in the PAM, Balochistan shall implement the Project through ID and ACD and their respective responsibilities shall be as set out in the PAM.	Loan Agreement. Schedule 5. Execution of Project. Implementation Arrangements.	Others	Being complied with
Loan 3700	4	1	General: The procurement of Goods, Works and Consulting Services shall be subject to and governed by the Procurement Guidelines, and the Consulting Guidelines, respectively.	Loan Agreement. Schedule 4 Procurement of Goods, Works, and Consulting Services.	Others	Being complied with
Grant 0597	2	1	Combating Money Laundering and Financing of Terrorism: The Recipient shall ensure that (a) Balochistan complies with the applicable laws and regulations of the Recipient and Balochistan on combating money laundering and financing of terrorism; and (b) Grant proceeds are not used, directly or indirectly, in money laundering or financing of terrorism.	Grant Agreement. Schedule 2 Execution of Project. This also applies for G9197-PAK.	Others	Being complied with
Grant 9197	2	2	ADB shall inform JFPR in a timely manner if, during the implementation of this Grant Agreement, ADB becomes aware that the Grant proceeds are being used for money laundering or financing of terrorism.	Grant Agreement. Schedule 2. Execution of Project.	Others	Being complied with
Grant 0597	2	2	ADB shall inform HLTF in a timely manner if, during the implementation of this Grant Agreement, ADB becomes aware that the Grant proceeds are being used for money laundering or financing of terrorism.	Grant Agreement. Schedule 2. Execution of Project.	Others	Being complied with
Loan 3700	4	2	Except as ADB may otherwise agree, Goods and Works shall be procured and Consulting Services shall be selected and engaged only on the basis of the procurement methods and the selection methods set forth below. These methods are subject to, among other things, the detailed arrangements and threshold values set forth in the Procurement Plan. The Borrower may only modify the procurement methods and the selection methods or threshold values with the prior agreement of ADB, and modifications must be set out in updates to the Procurement Plan.	Loan Agreement. Schedule 4. Procurement of Goods, Works, and Consulting Services.	Others	Being complied with
Loan 3700	5	2	The Borrower shall ensure and cause Balochistan to ensure that, within 3 months from the effectiveness of this Loan Agreement, (i) ID will appoint and engage a financial management specialist for the Project management office in ID; and (ii) each of ID and ACD will adopt a financial management manual for the Project with detailed procedures on budgeting and planning, funds withdrawal and management, bank account management, expenditure management, accounting and bookkeeping, financial reporting, and fixed asset management, as may be acceptable to ADB.	Loan Agreement. Schedule 5. Execution of Project. Implementation Arrangements.	Others	Complied
Loan 3700	5	3	The Borrower shall ensure and cause Balochistan to ensure that ID and ACD will consult ADB regarding all significant matters related to the management and implementation of the Project, including the selection, appointment or change of the Project Director at the Project management office in ID or the Deputy Project Director at the Project implementation office in ACD to ensure	Loan Agreement. Schedule 5. Execution of Project. Implementation Arrangements.	Safeguards	Being complied with

Product	Schedule	Para No.	Description	Remarks/Issues	Type	Status
			continuity, transparency, and efficiency in the management of the Project.			
Grant 9197	2	3	Donor-Specific Covenants: The Recipient shall comply with and cause Balochistan to comply with the Visibility and Coordination Guidelines of JFPR. In particular, the Recipient shall cause Balochistan to include the JFPR and Japan Official Development Assistance logos in all relevant Project publications and on any equipment or facility funded by JFPR. For the purposes of this provision, "Visibility and Coordination Guidelines of JFPR" refers to the Guidance Note on Japanese Visibility dated 17 April 2018 and the Guidance Note on Coordination with the Embassy of Japan and JICA dated 17 April 2018, both as agreed between ADB and the Government of Japan and as amended from time to time.	Grant Agreement. Schedule 2. Execution of Project.	Others	Complied
Loan 3700	4	3	All terms used in this Schedule and not otherwise defined in this Loan Agreement have the meanings provided in the Procurement Guidelines and/or the Consulting Guidelines, as applicable.	Loan Agreement. Schedule 4. Procurement of Goods, Works, and Consulting Services.	Others	Complied
Loan 3700	5	4	Environment: The Borrower shall ensure and cause Balochistan to ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project, each Subproject and all Project and Subproject facilities comply with (a) all applicable laws and regulations of the Borrower and Balochistan relating to environment, health, and safety; (b) the Environmental Safeguards; (c) the EARF; and (d) all measures and requirements set forth in the EIAs, IEEs and EMPS, and any corrective or preventative actions set forth in a Safeguards Monitoring Report.	Loan Agreement. Section 5. Execution of Project. Environment.	Safeguards	Being complied with
Loan 3700	4	4	Eligible Source of Procurement of Civil Works, Goods and Consulting Services Civil Works, Goods and Consulting Services may also be procured under Parts A and C of the Project from non-member countries of ADB.	Loan Agreement. Schedule 4. Procurement of Goods, Works, and Consulting Services. Eligible Source of Procurement of Civil Works, Goods and Consulting Services.	Others	Being complied with
Loan 3700	5	5	Land Acquisition and Involuntary Resettlement: The Borrower shall ensure and cause Balochistan to ensure that all land and all rights-of-way required for the Project, each Subproject and all Project and Subproject facilities are made available to each Works contractor in accordance with the schedule agreed under the relevant Works contract and all land acquisition and resettlement activities are implemented in compliance with (a) all applicable laws and regulations of the Borrower and Balochistan relating to land acquisition and involuntary resettlement; (b) the Involuntary Resettlement Safeguards; (c) the LARP; and (d) all measures and requirements set forth in the relevant LARP, and any corrective or preventative actions set forth in a Safeguards Monitoring Report. The Borrower shall also ensure and cause Balochistan to ensure that all land acquisition and resettlement activities will comply with the specific Involuntary Resettlement Safeguards arrangements and requirements set out in the PAM. For the avoidance of doubt, the Borrower shall ensure and cause Balochistan to ensure that no land is acquired, for the purposes of the Project or any Subproject, under the emergency acquisition provisions of the Borrower's Land Acquisition Act (1894), as amended from time to	Loan Agreement. Section 5. Execution of Project. Land Acquisition and Involuntary Resettlement.	Safeguards	Being complied with

Product	Schedule	Para No.	Description	Remarks/Issues	Type	Status
			time.			
Loan 3700	4	5	Goods and Works: Goods and Works shall be procured on the basis of the procurement methods set forth below: (a) International Competitive Bidding; (b) National Competitive Bidding; (c) Shopping; and (d) Community Participation in Procurement.	Loan Agreement. Schedule 4. Procurement of Goods, Works, and Consulting Services. Goods and Works.	Others	Being complied with
Loan 3700	5	6	Without limiting the application of the Involuntary Resettlement Safeguards, the LARF or any LARP, the Borrower shall ensure and cause Balochistan to ensure that no physical or economic displacement takes place in connection with any Subproject until: (a) compensation and other entitlements have been provided to affected people in accordance with the LARP for the Subproject; and (b) a comprehensive income and livelihood restoration program has been established in accordance with the LARP for the Subproject.	Loan Agreement. Section 5. Execution of Project. Land Acquisition and Involuntary Resettlement.	Safeguards	Being complied with
Loan 3700	4	6	National Competitive Bidding: The Borrower and ADB shall ensure that, prior to the commencement of any procurement activity under national competitive bidding, the Borrower's national competitive bidding procedures are consistent with the Procurement Guidelines. Any modifications or clarifications to such procedures agreed between the Borrower and ADB shall be set out in the Procurement Plan. Any subsequent change to the agreed modifications and clarifications shall become effective only after approval of such change by the Borrower and ADB.	Loan Agreement. Schedule 4. Procurement of Goods, Works, and Consulting Services. National Competitive Bidding.	Others	Being complied with
Loan 3700	4	7	Community Participation in Procurement: The Borrower may use community participation in procurement for Works contracts for command area development, watershed management, farmers managed small private irrigation systems and farm irrigation systems improvement, and high value agriculture as may be provided in, and in accordance with the agreed procedures set out in, the Procurement Plan.	Loan Agreement. Schedule 4. Procurement of Goods, Works, and Consulting Services. Community Participation in Procurement.	Others	Being complied with
Loan 3700	5	7	Indigenous Peoples: The Borrower shall ensure and cause Balochistan to ensure that the Project and all Subprojects do not have any indigenous people's impact within the meaning of the Safeguard Policy Statement. In the event that the Project or any Subproject does have any such impact, the Borrower shall take and cause Balochistan to take all steps required to ensure that the Project or the Subproject, as the case may be, complies with the applicable laws and regulations of the Borrower and Balochistan and with the Safeguard Policy Statement.	Loan Agreement. Section 5. Execution of Project. Indigenous Peoples.	Safeguards	Being complied with
Loan 3700	4	8	Conditions for Award of Contract: The Borrower shall not award any Works contract for a Subproject which involves environmental impacts until Balochistan has: (a) obtained the final approval of the EIA or IEE, as the case may be, from the relevant environment authority of the Borrower; and (b) incorporated the relevant provisions from the EMP into the Works contract.	Loan Agreement. Schedule 4. Procurement of Goods, Works, and Consulting Services. Conditions for Award of Contract.	Safeguards	Being complied with
Loan 3700	5	8	Human and Financial Resources to Implement Safeguards Requirements The Borrower shall make available or cause Balochistan to make available necessary budgetary	Loan Agreement. Section 5. Execution of Project.	Safeguards	Being complied with

Product	Schedule	Para No.	Description	Remarks/Issues	Type	Status
			and human resources to fully implement the EMPs and the LARPs.	Human and Financial Resources to Implement Safeguards Requirements.		
Loan 3700	4	9	The Borrower shall not award any Works contract involving involuntary resettlement impacts for a Subproject until the Borrower has prepared and submitted to ADB the final LARP for such Subproject based on the Subproject's detailed design and obtained ADB's clearance of such LARP.	Loan Agreement. Schedule 4. Procurement of Goods, Works, and Consulting Services. Conditions for Award of Contract.	Safeguards	Being complied with
Loan 3700	5	9	Safeguards – Related Provisions in Bidding Documents and Works Contracts The Borrower shall ensure and cause Balochistan to ensure that all bidding documents and contracts for Works contain provisions that require contractors to: (a) comply with the measures and requirements relevant to the contractor set forth in the relevant EIA or IEE (as the case may be), EMP and LARP (to the extent they concern impacts on affected people during construction), and any corrective or preventative actions set out in a Safeguards Monitoring Report; (b) make available a budget for all such environmental and social measures; (c) provide the Borrower with a written notice of any unanticipated environmental or resettlement risks or impacts that arise during construction, implementation or operation of the Project or any Subproject that were not considered in the relevant EIA or IEE (as the case may be), EMP or LARP; (d) adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and (e) fully reinstate pathways, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction.	Loan Agreement. Section 5. Execution of Project. Safeguards – Related Provisions in Bidding Documents and Works Contracts.	Safeguards	Being complied with
Loan 3700	4	10	Consulting Services: The Borrower shall apply Quality- and Cost-Based Selection for Consulting Services.	Loan Agreement. Schedule 4. Procurement of Goods, Works, and Consulting Services. Consulting Services.	Others	Complied
Loan 3700	5	10	(c) no later than the date that is 3 months from and after the effectiveness of this Loan Agreement, engage qualified and experienced external experts or qualified NGOs under a selection process and terms of reference acceptable to ADB to verify information produced through the Project monitoring process, and facilitate the carrying out of any verification activities by such external experts;	Loan Agreement. Section 5. Execution of Project. Safeguards Monitoring and Reporting.	Safeguards	Complied
Loan 3700	5	10	(d) Report any actual or potential breach of compliance with the measures and requirements set forth in an EMP or LARP promptly after becoming aware of the breach.	Loan Agreement. Section 5. Execution of Project. Safeguards Monitoring and Reporting.	Safeguards	Being complied with
Loan 3700	5	10	Safeguards Monitoring and Reporting: The Borrower shall do the following or cause Balochistan to do the following: (a) submit semi-annual Safeguards Monitoring Reports to ADB during the construction of the	Loan Agreement. Section 5. Execution of Project. Safeguards Monitoring	Safeguards	Being complied with

Product	Schedule	Para No.	Description	Remarks/Issues	Type	Status
			Project and the Subprojects and until their completion, and, thereafter, submit annual reports to ADB during their operation, and disclose the relevant information from such reports to affected persons promptly upon submission;	and Reporting.		
Loan 3700	5	10	(b) if any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project or any Subproject that were not considered in the relevant EIA or IEE (as the case may be), EMP or LARP, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan;	Loan Agreement. Section 5. Execution of Project. Safeguards Monitoring and Reporting.	Safeguards	Being complied with
Loan 3700	5	10	(c) no later than the date that is 3 months from and after the effectiveness of this Loan Agreement, engage qualified and experienced external experts or qualified NGOs under a selection process and terms of reference acceptable to ADB to verify information produced through the Project monitoring process, and facilitate the carrying out of any verification activities by such external experts;	Loan Agreement. Section 5. Execution of Project. Safeguards Monitoring and Reporting.	Safeguards	Being complied with
Loan 3700	5	11	Prohibited List of Investments: The Borrower shall ensure and cause Balochistan to ensure that no proceeds of the Loan or Grants are used to finance any activity included in the list of prohibited investment activities provided in Appendix 5 of the SPS.	Loan Agreement. Section 5. Execution of Project. Prohibited List of Investments	Others	Being complied with
Loan 3700	4	11	The Borrower shall recruit the individual consultants for the Siri Toi Dam panel of experts in accordance with procedures acceptable to ADB for recruiting individual consultants.	Loan Agreement. Schedule 4. Procurement of Goods, Works, and Consulting Services. Consulting Services.	Others	Being complied with
Loan 3700	5	12	Labor Standards, Health and Safety: The Borrower shall ensure and cause Balochistan to ensure that the core labor standards and the applicable laws and regulations of the Borrower and Balochistan are complied with during Project implementation. The Borrower shall include or cause Balochistan to include specific provisions in the bidding documents and contracts financed by ADB under the Project requiring that the contractors, among other things, (a) comply with the applicable labor law and regulations of the Borrower and Balochistan and incorporate applicable workplace occupational safety norms; (b) do not use child labor; (c) do not discriminate workers in respect of employment and occupation; (d) do not use forced labor; (e) allow freedom of association and effectively recognize the right to collective bargaining ; and (f) disseminate, or engage appropriate service providers to disseminate, information on the risks of sexually transmitted diseases, including HIV/AIDS, to the employees of contractors engaged under the Project and to members of the local communities surrounding the Project area and Subproject areas, particularly women.	Loan Agreement. Section 5. Execution of Project. Labor Standards, Health and Safety	Social	Being complied with
Loan 3700	4	12	Industrial or Intellectual Property Rights: (a) The Borrower shall ensure that all Goods and Works procured (including without limitation all computer hardware, software and systems, whether separately procured or incorporated within other goods and services procured) do not violate or infringe any industrial property or intellectual property right or claim of any third party. (b) The Borrower shall ensure that all contracts for the procurement of Goods and Works contain appropriate representations, warranties and, if appropriate, indemnities from the contractor or supplier with respect to the matters referred to in subparagraph (a) of this paragraph.	Loan Agreement. Schedule 4. Procurement of Goods, Works, and Consulting Services. Industrial or Intellectual Property Rights	Others	Being complied with

Product	Schedule	Para No.	Description	Remarks/Issues	Type	Status
Loan 3700	4	13	The Borrower shall ensure that all ADB-financed contracts with consultants contain appropriate representations, warranties and, if appropriate, indemnities from the consultants to ensure that the Consulting Services provided do not violate or infringe any industrial property or intellectual property right or claim of any third party.	Loan Agreement. Schedule 4. Procurement of Goods, Works, and Consulting Services. Industrial or Intellectual Property Rights	Others	Being complied with
Loan 3700	5	13	The Borrower shall strictly monitor or cause Balochistan to strictly monitor compliance with the requirements set forth in paragraph 12 above and provide ADB with regular reports.	Loan Agreement. Section 5. Execution of Project. Labor Standards, Health and Safety	Social	Being complied with
Loan 3700	4	14	ADB's Review of Procurement Decisions: Contracts procured under international competitive bidding procedures and contracts for Consulting Services shall be subject to prior review by ADB, unless otherwise agreed between the Borrower and ADB and set forth in the Procurement Plan.	Loan Agreement. Schedule 4. Procurement of Goods, Works, and Consulting Services. ADB's Review of Procurement Decisions	Others	Being complied with
Loan 3700	5	14	Gender and Development: The Borrower shall ensure and cause Balochistan to ensure that (a) the GAP is implemented in accordance with its terms; (b) the bidding documents and contracts include relevant provisions for contractors to comply with the measures set forth in the GAP; (c) adequate resources are allocated for the implementation of the GAP; (d) progress on the implementation of the GAP, including progress towards achieving key gender outcome and output targets, are regularly monitored and reported to ADB; and (e) key gender outcome and output targets include: (i) at least 30% of all consultations held during the design and construction phase of each Subproject are held with women groups; (ii) at least 30% of all Subprojects have facilities for increased access by women to water for domestic use, for instance washing facilities and water collection points; (iii) at least 200 women and girls are trained in kitchen gardening skills; (iv) at least 250 women are trained for income-generating high-value agri-businesses; and (v) at least 22 women-led small-scale income-generating agri-businesses are launched.	Loan Agreement. Section 5. Execution of Project. Gender and Development.	Social	Being complied with
Loan 3700	4	15	In the case of a contract for Goods or Works, which is subject to ADB's prior review, the Borrower shall seek ADB's prior approval of any modification or waiver of the terms and conditions of the contract, including: (a) granting an extension of the stipulated time for completion of a contract for a period of 1 month or more, or which is likely to require an extension of the Loan Closing Date or the Grant Closing Date (as indicated in the Grant Agreements); and (b) increases in aggregate of the original price by more than 5% (for the avoidance of doubt, such increase shall take into account any previous change under such contract).	Loan Agreement. Schedule 4. Procurement of Goods, Works, and Consulting Services. ADB's Review of Procurement Decisions.	Others	Being complied with
Loan 3700	5	15	Counterpart Support: The Borrower shall cause Balochistan to make available all counterpart funds required for the timely and effective implementation of the Project, including for any shortfall of funds or cost overrun, through providing annual budget allocations and releasing applicable funds in a timely manner. In addition, the Borrower shall provide all necessary support to Balochistan and ensure that Balochistan has sufficient funds to satisfy all liabilities arising from any Works, Goods and/or	Loan Agreement. Section 5. Execution of Project. Counterpart Support.	Financials	Being complied with

Product	Schedule	Para No.	Description	Remarks/Issues	Type	Status
			Consulting Services contract under the Project.			
Loan 3700	4	16	In the case of a contract for Goods or Works, which is subject to ADB's post review, ADB shall review the required contract modification or waiver and respond to the Borrower as soon as practicable, but not later than 1 month after the receipt of the required document.	Loan Agreement. Schedule 4. Procurement of Goods, Works, and Consulting Services. ADB's Review of Procurement Decisions.	Others	Being complied with
Loan 3700	5	16	Operational Covenants: The Borrower shall ensure and cause Balochistan to ensure that the selection of sites for the feasibility study of potential subprojects, and the selection of sites for the implementation of Subprojects, will be undertaken in accordance with such criteria and procedures as may be agreed upon between Balochistan and ADB. The Borrower shall cause Balochistan to select all Subprojects in accordance with the criteria and procedures set out in the PAM.	Loan Agreement. Section 5. Execution of Project. Operational Covenants.	Others	Being complied with
Loan 3700	5	17	The Borrower shall ensure and cause Balochistan to ensure that no Subproject will involve, and no proceeds of the Loan or the Grants will be used to support, groundwater extraction by deep tubewells, turbine pumps, or tapping of karezes.	Loan Agreement. Section 5. Execution of Project. Operational Covenants.	Others	Being complied with
Loan 3700	4	17	The Borrower shall provide to ADB copies of all time extensions, modifications or waivers to the contracts (including change orders) within 1 month following amendment of the contract.	Loan Agreement. Schedule 4. Procurement of Goods, Works, and Consulting Services. ADB's Review of Procurement Decisions.	Others	Being complied with
Loan 3700	5	18	The Borrower shall ensure and cause Balochistan to ensure that, for each Subproject, the local communities in the Subproject area will be fully involved in the planning, design, implementation and maintenance of the Subproject and related initiatives in the areas of integrated water resources management, command area development, and agricultural support services. The Borrower shall ensure and cause Balochistan to ensure that both male and female members of the local communities will be consulted and involved.	Loan Agreement. Section 5. Execution of Project. Operational Covenants.	Social	Being complied with
Loan 3700	5	19	The Borrower shall ensure and cause Balochistan to ensure that the Project and each Subproject will be implemented in accordance with applicable design and technical specifications and construction norms satisfactory to ADB, and construction supervision, quality control and contract management shall be performed in accordance with international and national standards.	Loan Agreement. Section 5. Execution of Project. Operational Covenants.	Others	Being complied with
Loan 3700	5	20	The Borrower shall ensure and cause Balochistan to ensure that, within 3 months from the effectiveness of this Loan Agreement, ID will appoint an independent dam safety panel of eminent national engineers which will review the detailed design of proposed subprojects involving the construction of dams, oversee dam construction, and confirm to ADB that the design and construction of the dams meet international safety standards.	Loan Agreement. Section 5. Execution of Project. Operational Covenants.	Others	Complied.
Loan 3700	5	21	(e) The Borrower shall cause Balochistan to timely and promptly prepare operation and maintenance manuals and provide operation and maintenance training to the farmer communities and organizations that will assume the operation and maintenance of the small irrigation systems and On-Farm irrigation facilities that will be constructed, improved, upgraded, rehabilitated, established, piloted or protected under the Project.	Loan Agreement. Section 5. Execution of Project. Operational Covenants.	Others	Being complied with

Product	Schedule	Para No.	Description	Remarks/Issues	Type	Status
Loan 3700	5	21	(d) The Borrower shall cause Balochistan to review its irrigation tariff policy and prepare draft reforms for the policy, which include the introduction of irrigation tariffs for small irrigation systems, on or before 31 December 2020.	Loan Agreement. Section 5. Execution of Project. Operational Covenants.	Others	Being complied with
Loan 3700	5	21	(b) The Borrower shall cause Balochistan to develop, approve and adopt an operation and maintenance plan, including an annual budget, for all Works to be constructed, improved, upgraded, rehabilitated, established, piloted or protected under the Project, including the water resources information system to be established with assistance from the Project, prior to their completion.	Loan Agreement. Section 5. Execution of Project. Operational Covenants.	Others	Being complied with
Loan 3700	5	21	(c) The Borrower shall cause Balochistan to ensure that budgetary and other resources are allocated timely and provided promptly as necessary and appropriate for the operation and maintenance of the Project and Subproject facilities, and, at any given time, the amount of such budgetary and other resources shall not be less than the total sum required, at that time, to cover and defray the operation and maintenance expenditures indicated in the then current annual budget referenced in sub-paragraph (b).	Loan Agreement. Section 5. Execution of Project. Operational Covenants.	Others	Being complied with
Loan 3700	5	21	(a) The Borrower shall ensure and cause Balochistan to ensure that all Project and Subproject facilities will be operated and maintained, in an effective and sustainable manner, in accordance with the applicable laws, regulations and standards of the Borrower and Balochistan and, in other respects not covered by such laws, regulations and standards, in accordance with best international industry practice.	Loan Agreement. Section 5. Execution of Project. Operational Covenants.	Others	Being complied with
Loan 3700	5	22	Security: The Borrower shall ensure and cause Balochistan to ensure (through the political administration of the relevant local governments in the Project area and Subproject areas) that adequate security is provided for the smooth and uninterrupted implementation of the Project and the Subprojects. The Borrower shall ensure and cause Balochistan to ensure that (i) all Works contracts under the Project include a security plan to ensure the safety of Project contractors' personnel and consultants, and each such security plan allocates sufficient budget under the relevant Works contract or through Balochistan's counterpart funding; and (ii) all relevant permits are issued and all access and other necessary requirements are provided so that all security plans will be successfully implemented.	Loan Agreement. Section 5. Execution of Project. Operational Covenants.	Social	Being complied with
Loan 3700	5	23	Governance and Anticorruption: The Borrower and Balochistan shall (a) comply with ADB's Anticorruption Policy (1998, as amended to date) and acknowledge that ADB reserves the right to investigate directly, or through its agents, any alleged corrupt, fraudulent, collusive or coercive practice relating to the Project; and (b) cooperate with any such investigation and extend all necessary assistance for satisfactory completion of such investigation.	Loan Agreement. Section 5. Execution of Project. Operational Covenants.	Others	Being complied with
Loan 3700	5	24	The Borrower and Balochistan shall ensure that anticorruption provisions acceptable to ADB are included in all bidding documents and contracts, including provisions specifying the right of ADB to audit and examine the records and accounts of the executing and implementing agencies and all contractors, suppliers, consultants, and other service providers as they relate to the Project.	Loan Agreement. Section 5. Execution of Project. Operational Covenants.	Others	Being complied with
Loan 3700	5	25	The Borrower shall cause Balochistan to provide updated information on the Project on its website, including information on performance, business opportunities, bidding process and guidelines, outcome of biddings, and summary progress reports.	Loan Agreement. Section 5. Execution of Project. Operational Covenants.	Others	Being complied with

Product	Schedule	Para No.	Description	Remarks/Issues	Type	Status
Grant 9197			Section 2.08. (a) Balochistan shall furnish to ADB all such reports and information as ADB shall reasonably request concerning (i) the Loan or either Grant and the expenditure of the proceeds thereof; (ii) the items of expenditure financed out of such proceeds; (iii) the Project; (iv) the administration, operations and financial condition of Balochistan; and (v) any other matters relating to the purposes of the Loan and the Grants.	Article II Particular Covenants Section 2.08. This also applies to Grant 0597-PAK.	Financials	Being complied with
Grant 9197			Section 2.08 (b) Without limiting the generality of the foregoing, Balochistan shall furnish to ADB periodic reports on the execution of the Project and on the operation and management of the Project and Subproject facilities. Such reports shall be submitted in such form and in such detail and within such a period as ADB shall reasonably request, and shall indicate, among other things, progress made and problems encountered during the period under review, steps taken or proposed to be taken to remedy these problems, and proposed program of activities and expected progress during the following period.	Article II Particular Covenants Section 2.08. This also applies to Grant 0597-PAK.	Financials	Being complied with
Grant 9197			Section 2.08 (c) Promptly after physical completion of the Project, but in any event not later than 3 months thereafter or such later date as ADB may agree for this purpose, Balochistan shall prepare and furnish to ADB a report, in such form and in such detail as ADB shall reasonably request, on the execution and initial operation of the Project, including its cost, the performance by Balochistan of its obligations under this Project Agreement and the accomplishment of the purposes of the Loan and the Grants.	Article II Particular Covenants Section 2.08. This also applies to Grant 0597-PAK.	Financials	Not yet due.
Grant 9197			Section 2.09. (a) Balochistan shall cause each of ID and ACD to (i) maintain separate accounts and records for the Project; (ii) prepare annual financial statements for the Project in accordance with financial reporting standards acceptable to ADB; (iii) have such financial statements audited annually by independent auditors whose qualifications, experience and terms of reference are acceptable to ADB, in accordance with auditing standards acceptable to ADB; (iv) as part of each such audit, have the auditors prepare a report, which includes the auditors' opinion(s) on the financial statements and the use of the proceeds of the Loan and/or the Grants, as the case may be, and a management letter (which sets out the deficiencies in the internal control of the Project that were identified in the course of the audit, if any); and (v) furnish to ADB, no later than 6 months after the close of the fiscal year to which they relate, copies of such audited financial statements, audit report and management letter, all in the English language, and such other information concerning these documents and the audit thereof as ADB shall from time to time reasonably request.	Article II Particular Covenants Section 2.09. This also applies to Grant 0597-PAK.	Financials	Being complied with
Grant 9197			Section 2.09. (c) Balochistan shall enable ADB, upon ADB's request, to discuss the financial statements for the Project and its financial affairs where they relate to the Project with the auditors appointed by Balochistan pursuant to subsection (a)(iii) hereinabove, and shall authorize and require any representative of such auditors to participate in any such discussions requested by ADB. This is provided that such discussions shall be conducted only in the presence of an authorized officer of Balochistan, unless Balochistan shall otherwise agree.	Article II Particular Covenants Section 2.09. This also applies to Grant 0597-PAK.	Financials	Being complied with
Grant 9197			Section 2.09. (b) ADB shall disclose the annual audited financial statements for the Project and the opinion of the auditors on the financial statements within 14 days of the date of ADB's confirmation of their acceptability by posting them on ADB's website.	Article II Particular Covenants Section 2.09. This also applies to Grant 0597-PAK.	Financials	Being complied with

9. CONCLUSION AND RECOMMENDATIONS (ACTIONS TO BE TAKEN)

The overall project implementation progress is **49% physical progress** and total **Percentage of Disbursed Funds Against Loan/Grant is 38%**, while the total Percentage of Funds Utilization against the Allocated Funds is 28%. The project implementation is expected to be on-track after the major works contract awarded in year 2023. However, much greater efforts will be required to complete the project in time. Construction of Siri Toi Dam is critical path for project completion since the construction will require 3 years. In addition, there is only about one year left to complete the JFPR grant supported agriculture activities.

Follow-up Actions

The following actions for the next phase of project implementation have been agreed during the MTR mission of ADB.

No.	Action	Responsibility	Timeline	Status
1	To prepare a responsibility matrix to define the role and responsibilities of each party (PMO/PIO, consultants, field offices of the departments concerned, contractors/suppliers, water user associations and farmers) in various project activities	PMO/PIO with the assistance of consultants	By 15 December 2022	Already submitted to ADB on 7 th December, 2022
2	To prepare and submit a detailed time-bound work plan for the remaining implementation period by subproject and by component including command area development, farmers managed schemes, khushkaba farming, and watershed management	PMO/PIO with the assistance of consultants	By 10 December 2022	Provided in 4 th QPR as Appendix-9 (Gantt-Chart)
3	To notify the ACD field office staff of Zhob and Khuzdar districts of their responsibilities in the project implementation	ACD	By 31 December 2022	No notification has been issued by ACD; However, DG OFWM constituted the PIU comprising of District OFWM teams
4	To finalize the detailed design of Manjalo, Raiko and Rind Ali Subproject	PMO with assistance of the consultants	By 15 December 2022	Submitted
5	To update the feasibility study and complete the detailed design of Sabakzai subproject	PMO with assistance of the consultants	By 15 December 2022 & 31 January 2023	ADB Extend the date for submission during MTR mission
6	To expedite the recruitment of NGO for the implementation of GAP and JFPR activities	PMO with assistance of the consultants	By 15 December, 2022	Contract has been awarded to M/s Taraqee Foundation on 16 th of March, 2023, which has started its services on 01 April 2023. NGO is now conducting field visits & giving trainings for strengthening of community capacity of High Value Agriculture.

<u>No.</u>	<u>Action</u>	<u>Responsibility</u>	<u>Timeline</u>	<u>Status</u>
7	To submit the revised inception report of the external environment, monitor to ADB	External Environment Monitor through PMO	By 15 December 2022	Submitted to ADB
8	To submit the internal and external semiannual environmental monitoring report for January to June 2023	PMO with assistance of the consultants	By June 15 December 2023	Submitted on July 2023
9	To submit final IEE of Killi Sardar Akhtar for disclosure on ADB's website	PMO with assistance of the consultants	By 15 December 2022	Submitted to ADB by Aug 20, 2021
10	To submit the revised SSEMP of Siri Toi Dam	PMO with assistance of the consultants	By 10 December 2022	Submitted on 26th January 2023
11	To submit all the SSEMPs for ADB records and review	PMO with assistance of the consultants	By 15 December 2022	Submitted
12	To submit updated LARP of Siri Toi Dam with additional analysis on meeting replacement cost	PMO with assistance of the consultants	By 15 December 2022	Completed by Dec 8 Updated mail sent on 20th January
13	To submit internal and external semi-annual social monitoring report of July-December 2022	PMO with assistance of the consultants	By 31 January 2023	Submitted
14	To submit quarterly progress report for the fourth quarter 2022	PMO with assistance of the consultants	By 31 January 2023	Submitted
15	To submit audited financial statement report for fiscal year 2021-2022.	PMO and PIO	By 31 December 2022	Submitted

APPENDIX 1: PROJECT DESIGN AND MONITORING FRAMEWORK

Impact(s) the Project is Aligned with			
Increase farm income in Balochistan (Balochistan Development Vision and Strategy) ^a			
Improved water resources management in Balochistan (Integrated Water Resources Management Policy Balochistan) ^b			
Results Chain	Performance Indicators with Targets and Baselines	Status of Achievements	Risks
Outcome Agriculture productivity in the project area increased	<p>By 2026:</p> <p>a. In Zhob river basin, crop yield (kg/ha) increased to 5,400 for apricot, 2,500 for wheat, 8,900 for hybrid maize (corn), and 10,500 for winter fodders (2014 baseline: apricot 4,500; wheat 2,031; hybrid maize (corn) 7,413; and winter fodder 8,500).</p> <p>b. In Mula river basin, crop yield (kg/ha) increased 3,750 for citrus, 2,700 for wheat, 1,800 for cotton, and 11,000 for winter fodders (2014 baseline [kg/ha]: citrus 3,000; wheat 2,224; cotton 1,277; and winter fodders 9,000)</p>	a-b. GOB's yearly agriculture statistics and/or survey reports	Climate change may reduce water availability for agriculture and locust may cause loss of crops.
Outputs 1. Irrigation Infrastructure and watershed protection constructed and/or rehabilitated	<p>By 2025:</p> <p>1a. About 11 irrigation schemes constructed and/or rehabilitated, of the total schemes 30% have facilities for women's increased access to water for domestic use (2017 baseline: 0)</p> <p>1b. A total of 276 km length of irrigation and drainage canals constructed and/or rehabilitated (2017 baseline: 0)</p> <p>1c. About 4,145 hectares (ha) of watersheds protected from water erosion (2017 baseline: 0)</p>	1a-d. Physical work started on 5 subprojects Data source is quarterly progress and completion reports of project, and loan review missions	Security situation in the project area deteriorates to a level that does not allow work on contracts.
2. Command area established and/or improved	<p>2a. About 11,603 ha land improved and served by rehabilitated irrigation and Khushkaba infrastructure (2017 baseline: 0)</p> <p>2b. About 5,989 ha land developed under new irrigation infrastructure (2017 baseline: 0)</p> <p>2c. About 130 ha of high value agriculture piloted drip irrigation system through JFPR grant (2017 baseline: 0)</p> <p>2d. At least 22 women-led small-scale income generating agri-business launched (2017 baseline: 0)</p>	2a-d. physical activities have been started. Data source is quarterly progress and completion reports of project, and loan review missions	
3. Institutional capacity strengthened	<p>3a. Water resources information system (WRIS) established and operational through technical assistance (2017 baseline: not applicable)</p> <p>3b. High level technology hydro-meteorological equipment used in the field validation of satellite based WRIS data for monitoring of water resources in 10 river basins under the High-Level Technology Fund grant (2017 baseline: Not applicable)</p> <p>3c. At least 40 trained staff from the Irrigation Department, the ACD, and the PMO and/or the PIO, of whom at least 30% are women, increased their project management and implementation skills (2017 baseline: not applicable)</p> <p>3d. At least 750 trained farmers increased their knowledge and skills in the efficient use of water and value-added farming; and at least 250 women trained in income-generating high-value agribusinesses (2017 baseline: not applicable)</p>	3a-d. A training of PMO and PIO held. (Data source is Project quarterly progress and completion reports, and loan review missions)	COVID, Capacity limitation of operational section. Project activities on smooth track

Key Activities with Milestones

1. Irrigation infrastructure and watershed protection constructed and/or rehabilitated

- 1.1 Prepare detailed engineering design and bidding documents (Q3 2018–Q4 2023)
- 1.2 Complete resettlement plan update and land acquisition (Q3 2018–Q4 2022)
- 1.3 Advertise the Siri Toi Dam construction package through international competitive bidding (Q3 2019)
- 1.4 Conduct procurement of civil works and equipment (Q4 2018–Q1 2025)
- 1.5 Award contracts for irrigation infrastructure, including dams, canals, and other structures (Q4 2018–Q4 2023)
- 1.6 Complete civil works construction and equipment installation, including dams, canals, and other structures (Q4 2018–Q4 2025)
- 1.7 Complete watershed protection measures (Q1 2023–Q4 2025)

2. Command area established and/or improved

- 2.1 Prepare detailed engineering design and bidding documents (Q3 2022–Q3 2024)
- 2.2 Complete resettlement plan update and land acquisition (Q3 2018–Q4 2024)
- 2.3 Conduct procurement of civil works and equipment (Q4 2022–Q1 2025)
- 2.4 Complete command area development or rehabilitation of farmers' managed irrigation facilities (Q4 2022–Q4 2025)
- 2.5 Complete training of farmers in the efficient use of water and value-added farming (Q4 2022–Q4 2025)
- 2.6 Complete activities related to awareness raising on safe drinking water practices, nutritional value of food, and kitchen gardening techniques (Q4 2022–Q4 2023)
- 2.7 Complete construction of fruit, vegetable, and olive oil processing units (Q4 2022–Q4 2023)
- 2.8 Establish 22 women-led small-scale agribusinesses (Q4 2022–Q4 2023)

3. Institutional capacity strengthened

- 3.1 Recruit consultants for detailed design, construction supervision, and implementation support (Q3 2018–Q1 2020), including advertising the package through advance action (Q2 2018)
- 3.2 Conduct training for the Irrigation Department, the ACD, the PMO, and the PIO on project management and implementation (Q3 2018–Q4 2025)
- 3.3 Conduct training for farmers on advanced farming technologies and water management (Q4 2018–Q4 2025)
- 3.4 Procure high-technology equipment for improved water resources management (Q1 2021–Q2 2023)
- 3.5 Recruit consultants for the development of the WRIS, supported by technical assistance (Q4 2018–Q3 2020)
- 3.6 Develop the WRIS (Q3 2019–Q1 2023)
- 3.7 Conduct test and trial operation of the WRIS and provide necessary training to relevant staff (Q4 2022–Q3 2023)

Project Management Activities

- Carry out key activities of the GAP and the social development action plan (Q1 2019–Q4 2025)
- Conduct and monitor activities of the resettlement plan, including land acquisition, and the environmental management plan (Q1 2019–Q4 2025)
- Recruit an independent agency for external resettlement monitoring (Q4 2020–Q4 2021)
- Conduct annual and midterm project reviews (Q4 2018–Q4 2025)

Inputs

ADB: \$100.00 million (concessional OCR loan)

Government: \$31.14 million

JFPR: \$3.00 million (grant)

High-Level Technology Fund: \$2.00 million (grant)

Assumptions for Partner Financing

Not applicable

ACD = Agriculture and Cooperatives Department, ADB = Asian Development Bank, GAP = gender action plan, GOB = Government of Balochistan, ha = hectare, JFPR = Japan Fund for Poverty Reduction, kg = kilogram, km = kilometer, OCR = ordinary capital resources, PIO = project implementation office, PMO = project management office, Q = quarter, WRIS = water resources information system.

a GOB, Chief Minister's Policy Reform Unit. 2014. Proposed Balochistan Development Vision and Strategy: Concept Note. Quetta.

b GOB, Department of Irrigation and Power. 2006. Integrated Water Resources Management Policy Balochistan: Approved Policy Document. Quetta.

c Includes 9 infrastructure subprojects and 2 farmer management irrigation subprojects in Zhob and Mula river basins. Source: Asian Development Bank estimates

EXECUTING AND IMPLEMENTING AGENCIES STAFF**APPENDIX 2. PMO STAFFING STRENGTH ON BWRDSP**

Sr. No.	Name of Key Staff Position	Approved Strength (No)	Positions filled (No)	Vacant	Vacant Since
1	Mr. Sufyan Samim Khan, Project Director (additional charge)	1	1	-	-
2	Mr. Sufyan Samim Khan, Deputy Project Director (ZRB)	1	1	-	-
3	Mr. Nadeem Mansoor, Deputy Project Director (MRB) (additional charge)	1	1	-	-
4	Mr. Mohammad Anwer Bazai, Divisional Account Officer	1	1	-	-
5	Mr. Nadeem Mansoor, Assistant Engineer (ZRB)	1	1	-	-
6	Mr. Abubakar, Assistant Engineer (MRB)	1	1	-	-
7	Mr. Muhammad Tahir, Senior Project Analyst	1		-	-
8	Ms. Samina, Senior Sociologist	1	1	-	-
9	Mr. Awais Khan, Admin Officer	1	1	-	-
10	Ms. Umaira Jamal and Mr. Ali Ahmed, Office Assistants. Mr. Noor Ahmed & Mr. Salman Ahmad, Asst. Admin. Officer	4	4	-	-
11	Mr. Danial Ali, Computer Operator. Mr. Ahmadullah & Mr. Noor Yasin, Asst. Accounts Officers. Ms. Sana Intizar, Assistant to PD.	4	4	-	-
12	Ms. Shafia Bibi, Sociologist Assistant	1	1	-	-
	Total	18	18	-	-

APPENDIX 3. PIO STAFFING STRENGTH ON BWRDSP

Sr. No.	Name of Key Staff Position	Approved Strength (No)	Positions filled (No)	Vacant	Vacant Since
1	Mr. Asif Hussain Mastoi, Deputy Project Director	1	1	-	-
2	Mr. Iftikhar Ahmed, Senior Sociologist	1	1	-	-
3	Mr. Naseer Khan, Assistant Agriculture Engineer (ZRB)	1	1	-	-
4	Mr. Abdul Salam, Assistant Agriculture Engineer (MRB)	1	1	-	-
5	Mr. Mohammad Zahir, Agriculture Officer (ZRB)	1	1	-	-
6	Mr. Mohammad Khan, Agriculture Officer (MRB)	1	1	-	-
7	Account Officer - OFWM	1	1	-	-
8	Mr. Mohammad Ibrahim, Account Officer - MRB	1	1	-	-
9	Mr. Mir Hazar Danish, Office Assistant/ Contract staff	1	1	-	-
	Total	9	9	-	-

APPENDIX 4. STATUS OF SUBMISSION OF REPORTS

Sr. No.	Contract Description	Contract No.	Date of Submission to Client					
			Working Paper	Feasibility Report	Design Report	Engineer Estimate	Tender Document	SDDR
1	Inception Report		19 September 2019					
MULA RIVER BASIN								
1	Construction of Karkh Valley Development Subproject	NCB-01	-	-	03 October 2020	15 October 2020	29 July 2020	02 October 2020
2	Construction of Kharzan Hatachi Infiltration Gallery Subproject	NCB-02	-	-	06 November 2020	January 2021	09 November 2020	22 October 2020
3	Construction of Pashta Khan and Garambowad Perennial Irrigation Subproject	NCB-04	-	08 July 2022	04 August 2021	07 October 2022	23 August 2021	08 October 2021
4	Construction of Manyalo, Raiko and Rind Ali Perennial Irrigation Subproject	NCB-07	-	23 November 2022	31 January 2023	22 December 2022	14 December 2022	31 December, 2023
5	Churri Infiltration Gallery Subproject	NCB-09	-	27 January 2023	07 February 2023	27 January 2023	02 February 2023	08 February 2023
ZHOB RIVER BASIN								
1	Construction of Ahmedzai Perennial + Flood Irrigation Subproject	NCB-08	-	23 April 2020	02 October 2020	15 October 2020	05 July 2020	02 October 2020
2	Construction of Killi Sardar Akhtar Perennial Irrigation Subproject	NCB-06	-	24 February 2021	25 March 2021	07 October 2022	09 April 2021	30 June 2021
3	Construction of Siri Toi Dam Subproject	ICB-01	28 April 2020	-	18 June 2021	21 June 2021	15 March 2021	11 January 2022
4	Construction of Muslim Bagh Flood Dispersal sub-project / Sabakzai Command Area Development Subproject	NCB-03	30 July 2020	19 April 2023	-	-	-	-
5	Construction of Water Resources Building at Quetta Subproject	NCB-05	-	-	21 November 2020	17 December 2020	09 November 2020	-
6	Command Area Development works of Siri Toi Dam	NCB-CAD-01	-	19 April 2023	20 April 2023	20 April 2023	16 May 2023	28 September 2023
7	Watershed Management works of Siri Toi Dam	NCB-VWC-01	16 March 2023	-	18 February 2023	28 February 2023	28 February 2023	-

APPENDIX 5. STATUS OF CONSTRUCTION DRAWINGS ISSUED TO THE CONTRACTORS UPTO DEC 2023

Set No.	Drawing Date	Construction Drawing Title	Drawings issued vide Team Leader Letter No.
CONSTRUCTION OF KARKH VALLEY DEVELOPMENT SUB-PROJECT (NCB-01)			
1	17/06/2021	GENERAL NOTES, PLAN & PROFILE, JOINT DETAIL & WEIRS STRUCTURES	4078/061/HAB/01/NCB-01/277 Dated 17-06-2021
2	24/06/2021	PLAN AND PROFILE OF CHUTTA CHANNELS, ROAD CULVERT, TIME DIVISION STRUCTURE	4078/061/HAB/01/NCB-01/296 Dated 24-06-2021
3	02/07/2021	CHUTTA CHANNEL SIPHON, FALL & BAFFLE FALL STRUCTURE	4078/061/HAB/01/NCB-01/324 Dated 06-07-2021
4	28/07/2021	PLAN AND PROFILE OF KHADRI & JHALARO CHANNELS	4078/061/HAB/01/NCB-01/340 Dated 30-07-2021
5	06/08/2021	ROAD CULVERT, TIME DIVISION STRUCTURE, AQUEDUCT, SUMP, FALL, WUZU STRUCTURE, JHALARO CHANNEL CROSSING & FOOT BRIDGE	4078/061/HAB/01/NCB-01/353 Dated 09-08-2021
6	24/08/2021	PLAN AND PROFILE OF ACHERWAND & SINJORI CHANNEL	4078/061/HAB/01/NCB-01/378 Dated 25-08-2021
7	30/08/2021	PLAN AND PROFILE OF NURWAH CHANNELS	4078/061/HAB/01/NCB-01/391 Dated 01-09-2021
8	03/09/2021	ROAD CULVERT, TIME DIVISION STRUCTURE, VERTICAL FALL STRUCTURE, SINJORI CHANNEL CROSSING, SUPER PASSAGE	4078/061/HAB/01/NCB-01/401 Dated 09-09-2021
9	15/09/2021	FLOOD PROTECTION BUND-1	4078/061/HAB/01/NCB-01/409 Dated 15-09-2021
10	30/09/2021	R1 (REVISION) OF WANDERI LEFT, JOINT DETAIL, NAKKAH OUTLET FLOOD PROTECTION BUND-3	4078/061/HAB/01/NCB-01/426 Dated 01-10-2021
11	04/10/2021	FLOOD PROTECTION BUND-2	4078/061/HAB/01/NCB-01/438 Dated 05-10-2021
12	13/10/2021	FLOOD PROTECTION BUND-4 & 5, CHUTTA LEFT CHANNEL FROM SUMP-1 SINGLE BOX DRAINAGE CULVERT AT RD 0+366	4078/061/HAB/01/NCB-01/458 Dated 20-10-2021
13	21/10/2021	FLOOD PROTECTION BUND-6	4078/061/HAB/01/NCB-01/462 Dated 26-10-2021
14	11/03/2021	FLOOD PROTECTION BUND-7 & 8	4078/061/HAB/01/NCB-01/471 Dated 04-11-2021
15	11/01/2021	NULLAH LEVEL CROSSING WANDRI RIGHT CHANNEL	4078/061/HAB/01/NCB-01/493 Dated 18-11-2021
16	01/09/2022	REVISION OF JHALARO & CHUTTA WEIR	4078/061/HAB/01/NCB-01/699 Dated 01-09-2022
17	23/09/2022	REVISION OF JHALARO WEIR AND PLAN & PROFILE	4078/061/HAB/01/NCB-01/746 Dated 27-09-2022
18	03/10/2022	REVISION OF FLOOD PROTECTION BUND (1 TO 8)	4078/061/HAB/01/NCB-01/761 Dated 06-10-2022
19	Sep-2022.	JHALARO CONDUIT (R1) & STONE MASONRY CONDUIT SECTION	4078/061/HAB/01/NCB-01/813 Dated 07-11-2022
20	21/11/2022	REVISSION OF CHUTTA WEIR (R2)	4078/061/HAB/01/NCB-01/830 Dated 22-11-2022

Set No.	Drawing Date	Construction Drawing Title	Drawings issued vide Team Leader Letter No.
21	04/01/2023	REVISSION OF JHALARO WEIR (R3)	4078/061/HAB/01/NCB-01/899 Dated 05-01-20223
22	02/08/2023	JHALARO WEIR PROPOSED (R4) & CHUTTA WEIR REHABILITATION (R3)	4078/061/HAB/01/NCB-01/963 Dated 08-02-20223
23	03/10/2023	JHALARO WEIR PROPOSED (R5) & TAIL STRUCTURE	4078/061/HAB/01/NCB-01/1042 Dated 10-03-20223
24	26/5/2023	TYPICAL SUPER PASSAGE (R1)	4078/061/HAB/01/NCB-01/1172 Dated 26-05-20223
25	21/08/2023	ANIMAL DRINKING STRUCTURE	4078/061/HAB/01/NCB-01/1334 Dated 22-08-20223
26	13/09/2023	DRINKING WATER STORAGE TANK	4078/061/HAB/01/NCB-01/1386 Dated 13-09-20223
CONSTRUCTION OF KHARZAN HATACHI INFILTRATION GALLERY SUB-PROJECT MULA RIVER BASIN (NCB-02)			
1	November 4, 2021	GENERAL NOTES, JOINT DETAIL, BENCHMARK, KHARZAN, HATACHI INFILTRATION GALLERY	4078/061/HAB/01/NCB-02/475 Dated 05-11-2022
2	December 7, 2021	FLOOD PROTECTIOON BUND-1	4078/061/HAB/01/NCB-02/510 Dated 08-12-2021
3	November 29, 2021	HATACHI CONDUIT PLAN AND PROFILE & FLOOD PROTECTIOON BUND-2	4078/061/HAB/01/NCB-02/502 Dated 30-11-2021
4	December 21, 2021	HATACHI IRRIGATION SYSTEM DL-1 & DL-2	4078/061/HAB/01/NCB-02/522 Dated 22-12-2021
5	February 11, 2022	PLAN AND PROFILE F HATACHI MAIN CHANNEL(R1)	4078/061/HAB/01/NCB-02/549 Dated 12-02-2022
6	March 22, 2022	PLAN AND PROFILE OF DR1, STRUCTURES (SUPER PASSAGE, VERTICAL FALL, BAFFLE FALL, AQUEDUCT, OUTLET, TDS, WUZU, WASHING STRUCTURE	4078/061/HAB/01/NCB-02/576 Dated 25-03-2022
7	April 4, 2022	HATACHI IRRIGATION SYSTEM PLAN AND PROFILE	4078/061/HAB/01/NCB-02/584 Dated 05-04-2022
8	April 11, 2022	REVISION OF PLAN AND PROFILE OF DL-2 NAKKA DWGS, TOD OF VERTICAL FALL STRUCTURE	4078/061/HAB/01/NCB-02/589 Dated 12-04-2022
9	April 27, 2022	FLOOD PROTECTION BUND-3(A,B,C)	4078/061/HAB/01/NCB-02/609 Dated 27-04-2022
10	May 27, 2022	PLAN AND PROFILE OF KHARZAN CHANNELS	4078/061/HAB/01/NCB-02/630 Dated 31-05-2022
11	June 14, 2022	TYPICAL STRUCTURES OF KHARZAN IRRIGATION SYSTEM	4078/061/HAB/01/NCB-02/652 Dated 20-06-2022
12	September 23, 2022	SUPER PASSAGE AT HATACHI MAIN CHANNEL RD 6+470 (TOD)	4078/061/HAB/01/NCB-02/747 Dated 27-09-2022
13	December 5, 2022	KHARZAN INFILTRATION GALLERY (R1)	4078/061/HAB/01/NCB-02/849 Dated 07-12-2022
14	December 5, 2022	FLOOD PROTECTION BUND-1 (R1)	4078/061/HAB/01/NCB-02/850 Dated 07-12-2022
15	December 16, 2022	KHARZAN CONDUIT / CHANNEL, RAIBAK CULVERT & REGULATING STRUCTURE, KHARZAN / HATACHI INTAKE STRUCTURE	4078/061/HAB/01/NCB-02/872 Dated 16-12-2022

Set No.	Drawing Date	Construction Drawing Title	Drawings issued vide Team Leader Letter No.
16	December 21, 2022	HATACHI INFILTRATION GALLERY (R1) & F.P BUND 3A, 3B & 3C (R1)	4078/061/HAB/01/NCB-02/877 Dated 21-12-2022
17	February 08, 2023.	HATACHI CONDUIT PLAN & PROFILE (R1), HATACHI IRRIGATION SYSTEM DL-1 (R1) & F.P BUND 4A, 4B	4078/061/HAB/01/NCB-02/965 Dated 08-02-2023
18	February 23, 2023.	AQUEDUCT AT HATACHI CHANNEL (R1) RD 4+755 & 7+325	4078/061/HAB/01/NCB-02/1006 Dated 24-02-2023
19	May 19, 2023.	VERTICAL FALL STRUCTURES AT HATACHI CONDUIT RD 0+500 & 1+700	4078/061/HAB/01/NCB-02/1167 Dated 22-05-2023
20	September 27, 2023.	SUPER PASSAGE AT DL-4 RD 0+747	4078/061/HAB/01/NCB-02/1416 Dated 28-09-2023
CONSTRUCTION OF PASHTA KHAN AND GARAMBOWAD PERENNIAL IRRIGATION SUBPROJECT MULA RIVER BASIN (NCB-04)			
1	July 10, 2023.	GENERAL NOTES, PASHTA KHAN WEIR & LEFT MAIN CHANNEL	4078/061/HAB/01/NCB-04/1247 Dated 11-07-2023
2	July 12, 2023.	TIME DIVISION STRUCTURES, WASHING STRUCTURE, WUZU STRUCTURE, VERTICAL FALL, ROAD CULVERT & MANHOLE	4078/061/HAB/01/NCB-04/1250 Dated 13-07-2023
3	July 27, 2023.	AHENGRI CHANNEL, AHENGRI FEEDER CHANNEL, AHENGRI FEEDER CHANNEL SYPHON-1, TIME DIVISION STRUCTURE, VERTICAL FALL STRUCTURE	4078/061/HAB/01/NCB-04/1275 Dated 27-07-2023
4	August 16, 2023.	MANGLABAD CHANNEL (MAIN + FEEDER + BRANCH)	4078/061/HAB/01/NCB-04/1320 Dated 17-08-2023
5	August 21, 2023.	STRUCTURES ON MANGLABAD CHANNEL: TIME DIVISION STRUCTURE, WASHING STRUCTURE, VERTICAL FALL, ROAD CULVERT, MANHOLE, AQUEDUCT, SUPER PASSAGE, SYPHON	4078/061/HAB/01/NCB-04/1333 Dated 22-08-2023
6	August 25, 2023.	PASHTA KHAN FLOOD PROTECTION BUND NO.1, 2 & 3	4078/061/HAB/01/NCB-04/1354 Dated 25-08-2023
7	September 09, 2023.	TABLE OF DIMENSIONS SUPER PASSAGE (R1)	4078/061/HAB/01/NCB-04/1383 Dated 12-09-2023
CONSTRUCTION OF WATER RESOURCE BUILDING AT QUETTA (NCB-05)			
1	May-2021.	MASTER PLAN, GENERAL NOTES & RAFT FOUNDATION	4078/061/ARB/01/232 Dated 07-05-2021
2	May-2021.	WATER RESOURCE BUILDING	4078/061/ARB/01/292 Dated 23-06-2021
3	June-2022.	CEILING PLAN	4078/061/HAB/01/NCB-05/663 Dated 29-06-2022
4	August-2022.	EXTERNAL WORK DETAIL, GROUND, 1ST & SECOND FLOOR PLAN, ELEVATION AND DOORS	4078/061/HAB/01/NCB-05/738 Dated 20-09-2022
5	10-10-2022.	GAS LAYOUT, WATER SUPPLY, SEWERAGE SYSTEM & PLUMBING DETAILS	4078/061/HAB/01/NCB-05/771 Dated 12-10-2022
6	October-2022.	ADDITIONAL WORKS (66 NO. PAGES)	4078/061/HAB/01/NCB-05/798 Dated 27-10-2022
7	November-2022.	STORM WATER DRAINAGE SYSTEM & HEATING VENTILATION & AIR CONDITIONING WORKS	4078/061/HAB/01/NCB-05/845 Dated 02-12-2022
8	September-2022.	NATURAL GAS PIPING LAYOUT PLAN (1st FLOOR TO 3rd FLOOR)	4078/061/HAB/01/NCB-05/865 Dated 14-12-2022

Set No.	Drawing Date	Construction Drawing Title	Drawings issued vide Team Leader Letter No.
9	December-2022.	DRAINAGE SYSTEM & RAIN WATER COLLECTION TANK	4078/061/HAB/01/NCB-05/897 Dated 30-12-2022
10	January-2023.	STAIR CASE AND BOUNDARY WALL	4078/061/HAB/01/NCB-05/972 Dated 10-02-2023
11	February-2023.	CEILING PLAN	4078/061/HAB/01/NCB-05/1007 Dated 24-02-2023
12	March 07, 2023.	DETAILS OF M.S LOGO & BRASS TEXT	4078/061/HAB/01/NCB-05/1050 Dated 17-03-2023
13	April 2021.	LIGHTENING POLE (SINGLE & DOUBLE ALARM BRACKETS)	4078/061/HAB/01/NCB-05/1052 Dated 21-03-2023
14	March 28, 2023.	SITE PLAN, MASTER PLAN, LAND SCAPING, PARKING AREA, GUARD ROOM, BOUNDARY WALL DETAILS, DRAINAGE SYSTEM PLAN, CEILING & FLOORING PLAN	4078/061/HAB/01/NCB-05/1100 Dated 05-04-2023
15	July 04, 2023.	REVISION OF MASTER PLAN FOR UNION AND GUARD ROOM	4078/061/HAB/01/NCB-05/1249 Dated 11-07-2023
16	July 19, 2023.	PROPOSED SECURITY OFFICE (REVISED)	4078/061/HAB/01/NCB-05/1287 Dated 04-08-2023
17	August 2023.	ELECTRICAL DRAWINGS OF SECURITY OFFICE	4078/061/HAB/01/NCB-05/1336 Dated 22-08-2023
18	August 2023.	WATER SUPPLY & SEWERAGE SYSTEM OF SECURITY OFFICE	4078/061/HAB/01/NCB-05/1362 Dated 28-08-2023
CONSTRUCTION OF KILLI SARDAR AKHTAR PERENNIAL IRRIGATION SUBPROJECT ZHOB RIVER BASIN - (NCB-06)			
1	March 23, 2023.	1. INFILTRATION GALLERY 2. MAIN CHANNEL 3. GHUNDI CHANNEL	4078/061/HAB/01/NCB-06/1060 Dated 24-03-2023
2	April 14, 2023.	1. VERTICAL FALL 2. ROAD CULVERT 3. WASHING STATION	4078/061/HAB/01/NCB-06/1125 Dated 17-04-2023
3	April, 2023.	CHANGE OF HDPE PIPE PERFORATION DETAILS	4078/061/HAB/01/NCB-06/1127 Dated 17-04-2023
4	May 16, 2023.	1. AQUEDUCT RD 5+135 2. MANHOLE	4078/061/HAB/01/NCB-06/1161 Dated 19-05-2023
5	July 27, 2023.	TIME DIVISION STRUCTURES	4078/061/HAB/01/NCB-06/1274 Dated 27-07-2023
6	August 08, 2023.	GENERAL NOTES	4078/061/HAB/01/NCB-06/1298 Dated 08-08-2023
7	July, 2023.	PROJECT SUPPORT FACILITY BUILDING ZHOB	4078/061/HAB/01/NCB-06/1319 Dated 17-08-2023
8	August 21, 2023.	1- CHANNEL CROSSING AT DM 0+750 2- ANIMAL DRINKING STRUCTURE AT DM 1+100 3- WUZU STRUCTURE AT DM 1+550	4078/061/HAB/01/NCB-06/1335 Dated 27-07-2023
9	September 11, 2023.	1- RE-ALINGMENT OF MAIN CHANNEL (RD 1+750 TO 2+500) 2- ADDITIONAL SUPERPASSAGE (06 Nos.)	4078/061/HAB/01/NCB-06/1406 Dated 22-09-2023
CONSTRUCTION OF AHMADZAI PERENNIAL AND FLOOD IRRIGATION SUB-PROJECT - ZHOB RIVER BASIN (NCB-08)			

Set No.	Drawing Date	Construction Drawing Title	Drawings issued vide Team Leader Letter No.
1	26/1/2021	GENERAL NOTES, PROJECT MAP, SURVEY BENCH MARK, PLAN AND PROFILE OF PERENNIAL CHANNEL&STRUTURES	4078/061/ARB/01/113 Dated 26-01-2021
2	1/2/2021	AHMAD ZAI TIME DIVISION STRUCTURE	4078/061/ARB/01/119 Dated 03-02-2021
3	20/2/2021	SUPER PASSAGE, AQUEDUCT, WZU STRUCTURE, WASHING STRUCTURE, ANIMAL DRINKING STRUCTURE	4078/061/ARB/01/151 Dated 26-02-2021
4	20/3/2021	FLOOD CHANNEL STRUTURES	4078/061/Ahmadzai/ARB/01/196 Dated 10-04-2021
5	20/4/2021	AHMADZAI WEIR REVISION-R1	4078/061/ARB/01/213 Dated 23-04-2021
6	20/5/2021	FLOOD CHANNEL	4078/061/ARB/01/235 Dated 21-05-2021
7	1/6/2021	AHAMAD ZAI WEIR	4078/061/ARB/01/266 Dated 11-06-2021
8	24/6/2021	FLOOD CHANNEL	4078/061/ARB/01/297 Dated 24-06-2021
9	2/7/2021	PERENNIAL CHANNELSUMP	4078/061/ARB/01/323 Dated 06-07-2021
10	8/9/2021	FLOOD CHANNEL CENTER & LEFT BRANCHE-(R1)	4078/061/ARB/01/NCB-08/404 Dated 09-09-2021
11	14/9/2021	FLOOD CHANNEL RIGHT BRANCH-(R1)	4078/061/ARB/01/NCB-08/411 Dated 16-09-2021
12	30/9/2021	REVISIONS (R1) OF BAFFLE FALL, AQUEDUCT AND JOINT DETAIL	4078/061/ARB/01/NCB-08/425 Dated 30-09-2021
13	5/10/2021	FLOOD CHANNEL RIGHT BRANCH(R2)	4078/061/ARB/01/NCB-08/445 Dated 07-10-2021
14	13/10/2021	FLOOD CHANNEL VERTICAL FALL STRUCTURE	4078/061/ARB/01/NCB-08/459 Dated 20-10-2021
15	3/11/2021	FLOOD CHANNELTAIL REGULATOR (R2), AQUEDUCTS(R1)	4078/061/ARB/01/NCB-08/472 Dated 04-11-2021
16	16/11/2021	ROAD CULVERT	4078/061/ARB/01/NCB-08/492 Dated 17-11-2021
17	21/11/2021	AHMAD ZAI WEIR (R2)	4078/061/ARB/01/NCB-08/491 Dated 16-11-2021
18	28/07/2022	AHMAD ZAI TALE STRUCTURE	4078/061/HAB/01/NCB-08/677 Dated 30-07-2022
19	19/10/2022	1. Ahmedzai Weir Structure (Left Side Wall). 2. Aqueduct at DM 1+500 Flood Channel (Protection Works).3. Single Box Drainage Culvert (Flood Channel).	4078/061/HAB/01/NCB-08/782 Dated 19-10-2022
20	22/10/2023	SUPER PASSAGES (R1)	4078/061/HAB/01/NCB-08/790 Dated 22-10-2022
CONSTRUCTION OF SIRI TOI DAM SUB-PROJECT - ZHOB RIVER BASIN (ICB-01)			
1	21/7/2022	MAIN DAM, DYKE & GROUTING	4078/061/HAB/01/ICB-01/674 Dated 22-07-2022

Set No.	Drawing Date	Construction Drawing Title	Drawings issued vide Team Leader Letter No.
2	6/8/2022	INTAKE TOWER	4078/061/HAB/01/ICB-01/686 Dated 10-08-2022
3	5/8/2022	ACCESS ROAD TO MAIN DAM, LINK ROAD TO DYKE AND SPILLWAY	4078/061/HAB/01/ICB-01/685 Dated 10-08-2022
4	15/8/2022	MAIN DAM, DYKE & SLOPE PROTECTION	4078/061/HAB/01/ICB-01/687 Dated 17-08-2022
5	17/8/2022	SPILLWAY APPROACH CHANNEL EXCAVATION	4078/061/HAB/01/ICB-01/688 Dated 17-08-2022
6	16/9/2022	GENERAL NOTES, MISCELLANEOUS, OUTLET WORKS, INTAKE TOWER - FEEDER CHANNEL - LINK ROAD OUTLINE,	4078/061/HAB/01/ICB-01/736 Dated 19-09-2022
7	11/10/2022	SPILLWAY APPROACH CHANNEL EXCAVATION (R1)	4078/061/HAB/01/ICB-01/770 Dated 12-10-2022
8	21/10/2022	INTAKE, CONDUIT & OUTLET STRUCTURE	4078/061/HAB/01/ICB-01/791 Dated 22-10-2022
9	05/12/2022	IRRIGATION SYSTEM NETWORK PLAN & PROFILE	4078/061/HAB/01/ICB-01/861 Dated 13-12-2022
10	13/12/2022	SPILLWAY STRUCTURE EXCAVATION	4078/061/HAB/01/ICB-01/862 Dated 13-12-2022
11	02/09/2023	SPILLWAY CONCRETE OUTLINE & SPILLWAY EXCAVATION (R1)	4078/061/HAB/01/ICB-01/973 Dated 10-02-2023
12	03/09/2023	LEFT BANK CANAL (PLAN & PROFILE)	4078/061/HAB/01/ICB-01/1040 Dated 09-03-2023
13	04/07/2023	LEFT BANK CANAL (DR-2, DR-4, DR-5, DR-6, DR-7)	4078/061/HAB/01/ICB-01/1108 Dated 08-04-2023
14	05/11/2023	SPILLWAY REINFORCEMENT DETAILS	4078/061/HAB/01/ICB-01/1148 Dated 11-05-2023
15	05/11/2023	ACCESS ROAD (R1), FEEDER CHANNEL (R1), LBC & RBC	4078/061/HAB/01/ICB-01/1166 Dated 22-05-2023
16	06/02/2023	SPILLWAY STRUCTURE EXCAVATION (R2) & SPILLWAY EXIT CHANNEL EXCAVATION (R1)	4078/061/HAB/01/ICB-01/1187 Dated 02-06-2023
17	07/07/2023	LINK ROAD & FEEDER CHANNEL (R1)	4078/061/HAB/01/ICB-01/1251 Dated 13-07-2023
18	27/7/2023	BIFURCATOR STRUCTURE	4078/061/HAB/01/ICB-01/1273 Dated 27-07-2023
19	03/8/2023	SPILLWAY STRUCTURE (UNDER DRAINAGE + EXIT CHANNEL + EXCAVATION)	4078/061/HAB/01/ICB-01/1290 Dated 07-08-2023
20	16/8/2023	TYPICAL AQUEDUCT	4078/061/HAB/01/ICB-01/1321 Dated 17-08-2023

APPENDIX 6. SITE VISITS HELD BY THE CLIENT & CONSULTANTS' TEAM (Upto December 2023)

Sr. No.	Team / Member	Designation	Site	Field Area	Period	Remarks
1	Mr. Habib Ullah Bhutto Mr. M Rehan Asghar	Team Leader Contract Engineer	Project Design Office & NESPAK House	Lahore	02-07-2023 to 07-07-2023	Visited Project Design Office & NESPAK House for Project design Issues & meet with JV partner for finalization of CSA Amendment No.02.
2	Mr. Rana Abdur Rehman	Social Assessment & Gender Development Specialist	Project Office	DC Office Zhob	08-07-2023 to 11-07-2023	Meeting with PD & DC Zhob regarding notification of Section 11 for Siri Toi Dam subproject Command area land.
3	Mr. Habib Ullah Bhutto	Team Leader	Karkh Valley	Khuzdar (MRB)	12-07-2023	Visited the site along with DPD PIO and checked ongoing construction activities of PIO works & other site issues.
4	Mis. Saima Noor	Social Community Organizer Female	Karkh Valley	Khuzdar (MRB)	02-08-2023 to 03-08-2023	Visited the site along with PIO Social Team for distribution of cheques in Livestock beneficiaries.
5	Mis. Amna Latif Shah	Social Community Organizer Female	Badinizai	Zhob (ZRB)	09-08-2023	Visited the site along with PIO Social Team and Malik Aslam ESMC for Zhob River Basin project area with Solar System supplied/equipped area and also meet the beneficiaries/farmers provided with animals (Goats) to assist the families with the resource constraints.
6	Mr. Habib Ullah Bhutto Mr. Sufiyan Durani	Team Leader Project Director	Siri Toi Dam (ICB-01), Killi Sardar Akhtar (NCB-06) & Ahmadzai (NCB-08) subprojects	Zhob (ZRB)	09-08-2023	Visited the site and checked ongoing construction activities & other site issues.
7	Mis. Saima Noor	Social Community Organizer Female	Karkh Valley (NCB-01)	Khuzdar (MRB)	09-08-2023	Visited the site along with PIO Social Team and Malik Aslam ESMC for Mula River Basin project area with Solar System supplied/equipped area and also meet the beneficiaries/farmers provided with animals (Goats) to assist the families with the resource constraints.
8	Mr. Habib Ullah Bhutto Mr. Sufiyan Durani	Team Leader Project Director	WR Building (NCB-05)	Quetta	18-08-2023	Visited the site and checked ongoing construction activities & other site issues.
9	Mis. Amna Latif Shah	Social Community Organizer Female	Bobi Haribzai	Zhob (ZRB)	28-08-2023	Visited the site along with PIO Social Team for distribution of cheques in Livestock beneficiaries.
10	Mr. Habib Ullah Bhutto Mr. Sufiyan Durani	Team Leader Project Director	WR Building (NCB-05)	Quetta	30-08-2023	Visited the site and checked ongoing construction activities & other site issues.
11	Mr. Rana Abdur Rehman	Social Assessment & Gender Development Specialist	Project Office	DC Office Zhob	08-09-2023 to 12-09-2023	Meeting with PD & DC Zhob regarding notification of Section 11 for Siri Toi Dam subproject Command area land.
12	Mr. Shahzada Baseer	Social Community Organizer	Siri Toi Dam Command Area	Zhob	08-09-2023 to 11-09-2023	Visited the site for data Collection.
13	Mr. Sibghatullah Khan	Environmental Specialist	Killi Sardar Akhtar (NCB-06) & Siri Toi Dam (ICB-01) subprojects	Zhob	09-09-2023 to 11-09-2023	Visited the site for inspection of Environmental & Safety Measure.
14	Mr. Habib Ullah Bhutto Mr. Zamurrad Hussain	Team Leader RE Measurement	Karkh Valley (NCB-01) & Kharzan/ Hatachi (NCB-02)	Khuzdar (MRB)	10-09-2023 to 11-09-2023	Visited the site and checked ongoing construction activities & other site issues.
15	Mr. Sibghatullah Khan	Environmental Specialist	Karkh Valley (NCB-01) & Kharzan/ Hatachi (NCB-02)	Zhob	12-09-2023 to 13-09-2023	Visited the site for inspection of Environmental & Safety Measure.
16	Mr. Sibghatullah Khan Mr. Zamurrad Hussain	Environmental Specialist RE Measurement/WRB	WR Building (NCB-05)	Quetta	14-09-2023	Visited the site for inspection of Environmental & Safety Measure & checked ongoing construction site activities.
17	Mr. Habib Ullah Bhutto	Team Leader	PIO Subprojects	Qillah Saifullah	15-09-2023	Visited the site along with Secretary Agriculture, DG Agriculture, PD & DPD for inspection of ongoing site activities.
18	Mr. Omer Saeed Malik	Architect	WR Building (NCB-05)	Quetta	17-09-2023 to 19-09-2023	Visited the site with along with RE WR Building for inspection of ongoing works & other design issues.

APPENDIX 7. INPUT UTILIZED BY IMPLEMENTATION SUPPORT TEAM
CONSULTANCY SERVICES INPUT

Sr . N o.	Implementation Support Team		Input (Person-months)						Output by the Staff
	Name of Expert	Position of Expert	Person-months as per PAM	As contracted / Amended	Utilized till September 2023	Utilized till Dec, 31 2023	Cumulative utilization	Balance Input	
				(A)	(B)	(C)	(D=B+C)	(E-A-D)	
Key Experts									
1	Mansoor Ali / Mir Azhar Jabbar	Procurement / Contract Specialist	60	49.99	21.14	3	24.14	25.85	Procurement of the subprojects
2	M. Yasar	Hydraulic Design Expert	12	29.36	28.12	0	28.12	1.24	Hydraulic Design of the Subprojects
3	M. Azam/ Tanveer Abbas	Dam Design Expert	12	17.27	11.24	0.5	11.74	5.53	Design of Siri Toi Dam
4	Jumma Khan	Financial Management Specialist	60	66	39.13	3	42.13	23.87	Managing project financial matters
5	Abdur Rehman	Social Development and Gender Specialist	12	23.76	17.31	1.13	18.44	5.32	Project Social Activities and Gender Action Plan
6	Akhtar Iqbal	Environmental Specialist	12	19	15.93	0.74	16.67	2.33	EIA and EMP Reports of the Project
7	M. Tahir / Omer Nasar	Monitoring and Evaluation Specialist	20	20.08	18.88	1.29	20.17	-0.09	Quarterly Progress Reports, APR, MTR
8	Zia-Ur-Rehman	On-farm Water Management Specialist	20	19	9.28	0.84	10.12	8.88	On- Farm Water Management
9	M. Zubair	High Efficiency Irrigation Expert	12	12	2.74	0	2.74	9.26	High Efficiency Irrigation System
10	Kaleemullah Ranjha/ Babar Saleem	Financial Management Officer	48	54	26.9	3	29.9	24.1	Resident Engineer Quetta Office
11	M Rehan Asghar	Contract Engineer	32	62	39.64	2.13	41.77	20.23	Procurement and Contract Management of subprojects

Non-Key Expert							0					
1	Muhammad Umar Farooq	Structural Design Engineer (for Water Resources Building)		4	3.27	0	3.27	0.73	Building Design			
2	M. Omer Saeed Malik	Architect (for Water Resources Building)		8.07	11.31	0.09	11.4	-3.33	Design of Water Resources Building			
Input Utilized by Detail Design and Construction Supervision Team												
Key Experts												
1	Habibullah Bhutto/ Abdul Rashid Buzdaar	Chief Construction Manager / Chief Resident Engineer (Team Leader)	54	73.85	45.03	2.45	47.48	26.37	Lead BWRDSP Consultants Team and Technical Input in design of structures			
2	Zafar Iqbal / Muhammad Imran	Chief Design Engineer (Deputy Team Leader)	18	41.68	32.63	2.41	35.04	6.64	Design of subprojects and Team Coordination			
3	M Imran	Senior Hydraulic Engineer	12	12.61	12.61	0	12.61	0	Hydraulic Design of subprojects			
4	M Moeen/ Ayub Khawar	Senior Geotechnical Expert	12	10.14	8.24	0.42	8.66	1.48	Geotechnical survey and investigations			
5	M Rafi	Senior Irrigation Engineer	12	17.75	16.42	0.7	17.12	0.63	Irrigation Design of subprojects			
6	M Akram / Syed Zohaib Bukhari	Senior Geologist	12	15.67	13.09	0.14	13.23	2.44	Geology and Material Studies			
7	Rizwan Maqsood	Senior Hydrologist	12	12	7.3	0	7.3	4.7	Hydrology studies of subprojects			
Non-Key Experts												
1	Muhammad Rashid / Muhammad Saad Raza	Mechanical Engineer	12	16.5	12.83	2.3	15.13	1.37	Mechanical Design of subprojects			
2	Abdul Latif Chaudhary	Agricultural Specialist	8	11.02	14.7	0	14.7	-3.68	Agriculture Appraisal for Feasibility Studies			

3	Naseem Javed Khan/ Tariq Mahmood	Watershed Management Specialist	8	8	4.75	0	4.75	3.25	Watershed survey of Siri Toi Dam
4	Waheed Anjum	Economics & Financial Specialist	8	8	5.86	0.18	6.04	1.96	Economic Analysis of subprojects
5	Muazzam Mukhtar/ Muhammad Waqar Saleem	Social and Community Development Speci.	24	12	6.13	0	6.13	5.87	----
6	Hussain A. Siraj/ Saeed Hussain	Resettlement Specialist	12	12	6.86	0	6.86	5.14	----
7	Abdul Wakeel Khan/ Sibghat Ullah Khan	Environmental Specialist	24	24	13.29	0.98	14.27	9.73	----
8	Mansoor Ahmad Sahto	Resident Engineers-1	240	0	1.81	0	1.81	-1.81	----
	Shah Jahan Maher	Resident Engineers-Zhob		57	30.46	3	33.46	23.54	Resident Engineer at Zhob
	Mian Bashir Ahmad / Asif Mahmood / Fahad Ali Soomro/ TBN	Resident Engineers-Mula		38	27.1	2.92	30.02	7.98	----
	Waseem Ahamd	Resident Engineers-4		0	0	0	0	0	----
9	Marian Masud	Design Engineers (Hydraulic/Irrigation/Geotechnical)-1	72	24.27	23.63	0	23.63	0.64	Hydraulic structures design
	Ali Raza	Design Engineers (Hydraulic/Irrigation/Geotechnical)-2		24.27	10.82	2.8	13.62	10.65	Hydraulic structures design
	Shakil Iqbal	Design Engineers (Hydraulic/Irrigation/Geotechnical)-4		15.67	11.04	0	11.04	4.63	Geotechnical Investigations of subprojects
	Ubaid Ullah / Muhammad Imran	Design Engineers (Hydraulic/Irrigation/Geotechnical)-3		34.45	15.67	2.76	18.43	16.02	----
	Taimoor Zafar	Design Engineers (Hydraulic/Irrigation/Geotechnical)-5		30	23.49	2.9	26.39	3.61	Design of Subprojects
10	Muhammad Kashif Ali	Groundwater Specialist	12	17.37	16.78	0	16.78	0.59	Office works and Groundwater studies of subprojects
11	Faraz Aslam	GIS Expert	12	12	14.31	0	14.31	-2.31	GIS works for subprojects
12	Sameeh Ullah Abbasi	Site Supervision Engineers (mechanical)-1	300	0	0	0	0	0	----
	Hafiz Masood Ahmad /	Site Supervision		14	4.69	2	6.69	7.31	----

	Zulqarnain Haider	Engineers (mechanical)-2		50	30.5	3	33.5	16.5	----
	Muhammad Zubair Ahmad	Site Supervision Engineers (civil) Mula		54	33.72	3	36.72	17.28	Quetta Office
	Zamurrad Hussain	RE Measurement/ RE WRB		45	31.06	3	34.06	10.94	----
	Abdul Basit Bhutto	Site Supervision Engineers Civil Zhob		48.83	24.48	0	24.48	24.35	----
	Hafiz Muhammad Waqas/ Gul Hussain	Site Supervision Engineers Mula		53.71	26.71	3	29.71	24	----
	Kalim Ullah	Office Engineers Quetta/ TL		51.87	30.87	3	33.87	18	----
	Muhammad Khurram Raza	Site Supervision Engineers (Civil) Zhob		52.5	31.5	3	34.5	18	----
	Gul Sher Ghunio	Site Supervision Engineers (quality control)-3		6	0	0	0	6	----
	M. Sajid Amin	Site Supervision Engineers (geo-tech)-1		0	0	0	0	0	----
	M. Izhar	Site Supervision Engineers (geo-tech)-2							
13	Najeeb ullah	Finance Accounts Manager	60	56.94	31.88	3	34.88	22.06	Manage BWRDSP Consultants accounts
14	Naveed Abbas	Material Engineers-Zhob	36	56.71	31.67	2.2	33.87	22.84	----
	Jhangir/ Maqsood Ahmad Unar	Material Engineers- Mula		44.5	20.03	3	23.03	21.47	----
	Muhammad Ramzan	Material Engineers- Building		18	24.27	3	27.27	-9.27	----
	Fayyaz Ali Bhutto	Material Engineers-Zhob		12	0	0	0	12	----
15	Hashim Farooq	Social/Community organizers (male)	108	3.78	3.78	0	3.78	0	Social field studies of subprojects
	Sohail Haider	Social Community organizers (male)		0	0	0	0	0	----
	Abdul Haseeb Babar	Social/Community organizers (male)-1		60	32.11	2.76	34.87	25.13	----
	Asma Abdul Ghafar/ TBN	Social/Community organizers (female)-1		0.33	0.33	0	0.33	0	Gender Survey of subprojects
16	Saima Noor	Social/Community organizers (female)-2	42	65.3	38.3	3	41.3	24	Field study and Women Selection Criteria

	Amna Latif Shah	Social/Community organizers (female)-3		65.3	38.3	3	41.3	24	Field study and Women Selection Criteria
17	M. Waqar Khan	Operation & Maintenance Specialists-1	24	3	0	0	0	3	----
	Hafiz Muhammad Naeem Khan	Operation & Maintenance Specialists-2		3	0	0	0	3	----
18	Muhammad Tahir & Mubasshir Munir	Survey Engineers (Topo Survey)-1	40	8.79	6.22	0	6.22	2.57	Field Survey Activities
	Zia Ullah Khan	Survey Engineers (Topo Survey)-2		1.2	1.2	0	1.2	0	Field Survey Activities
	Tariq Javid	Survey Engineers (Geotech Survey)-1		15.36	13.14	0	13.14	2.22	Field Survey Activities
	Khanzada / Ahsan ur Rehman	Survey Engineers (Geotech Survey)-2		11.83	13.41	3	16.41	-4.58	Field Survey Activities
19	Sobia Khan	Soil Scientist		1.57	2.31	0	2.31	-0.74	Soil Studies for Feasibility Reports
20	Saad Hussain	Costing Engineer		3.42	2.42	0	2.42	1	Costing of subprojects
21	Danial Hashmi	Hydro-meteorologist		5.38	2.88	0	2.88	2.5	Hydro-meteorology system studies
22	Rana Sharjeel Ayaz	Structure Design Engineer		7.33	5.68	1.06	6.74	0.59	Structure Design of Siri Toi Dam
23	Muhammad Qasim Mirza	Seismic / Geo-Hazard Studies Specialist		1.5	1.14	0	1.14	0.36	Seismic studies for Siri Toi Site
24	Yasir Abbas	Sediment Expert		0.39	0.39	0	0.39	0	Sediment study for Siri Toi Site
25	Abdul Mujeeb	Flow Measurement Expert		0	0	0	0	0	Inflow study for Siri Toi Site
26	Saleem Sarwar	Climate Change Specialist		0.67	0.67	0	0.67	0	Project Climate Change Impacts
27	Muhammad Iqbal	Planning Engineer		2	1.35	0	1.35	0.65	Planning and monitoring PMO and PIO Works
28	Shahzada Baseer Ahmad	Social / Community organizer		50	17.18	2.88	20.06	29.94	Repalcement to Asma Abdul Ghafoor Assistance of hydro
29	TBN	Site Supervision Engineer (Hydromet)		4	0	0	0	4	

									meteorologist in supervision
30	TBN	Site Supervision Engineer-Lift Installation		1	0	0	0	1	Supervision of specialized works like lift installation, public health and electrical works of water resources building
31	TBN	Site Supervision Engineer-Public Health (for WRB)		6	0	0	0	6	
32	Javed Akhtar	Sub-Engineer Agriculture (Zhob)		24	11.73	3	14.73	9.27	Supervision of on-farm water management works including water courses
33	Muhammad Saleem	Sub-Engineer Agriculture (Khuzdar)		48	12	3	15	33	
34	Kiran Waseem Wasti	Sr. Design Engineer-Public Health (for WRB)		2	1.22	0	1.22	0.78	Design of architecture, structure, public health and electrical works of water resources building
35	Ayesha Riaz	Sr. Design Engineer (for WRB)		2	0	0	0	2	
36	Hassan Idrees	Sr. Design Engineer-Electrical (for WRB)		1	0	0	0	1	
37	Irfan Arshad	Jr. Design Engineer-Structure (for WRB)		2	0	0	0	2	
38	Muhammad Usman	Jr. Architect (for WRB)		1	0	0	0	1	

APPENDIX-8: SOCIAL & GENDER REPORTS SUBMISSION RECORD

Sr.No.	Date	Type of report - final To TL/DTL	Final submitted On (date) to PMO	Remarks	Resubmitted
1	2-12-2020	Final DDR of Ahmadzai- ZRB	DDR of Ahmadzai	Approved by ADB	With SDO certificate
2		Final DDR of Karkh Valley Dev. Scheme- MRB	DDR of Karkh Valley Dev. Scheme	Approved by ADB	With Naib Tehsildar certificate
3	4-12-2020	Final DDR of Kharzan Hatachi- MRB	DDR of Kharzan Hatachi	Approved by ADB	With Naib Tehsildar certificate
4	8-2-2021	Final DDR of Killi Sardar Akhter-ZRB	Final DDR of Killi Sardar Akhter	Approved by ADB	Required certificate for land belonged to BID
5	15-7-2021	Pashta Khan & Grambowad-MRB	SDDR with certificate	Approved by ADB	-With SDO certificate -Revised by ADB submitted on 8-10-2021
6	3-9-2021	2 nd Semiannual Social Safeguards Monitoring report. Jan-June 2021	Final submitted on 3-9-2021	Again on 25-10-2021	
7	21-1-2022	3 rd Semiannual Social Safeguards Monitoring report. Jan-June 2021	Final Submission	Resubmitted On 30-3-2022 after ADB comments	
8	18-1-2022	Final LARP of Siri Toi Dam	Final submitted	Approved by ADB	
9	18-1-2022	SDDR of Unsettled Land under Siri Toi Dam	Final submitted	Approved by ADB	
10	3-3-2022	IMR of Unsettled land under Siri Toi Dam	Final submitted	Resubmitted after ADB comments on 30-3-2022	
11	29-6-2022	Updated Final LARP of Siri Toi Dam	Final submitted	Resubmitted after DPAC	
12	3-7-2022	SDDR of Solar powered drip irrigation system-MRB	Final submitted		
13	22-7-2022	QPR- Apr-June 2022	Final submitted		
14	Nov.2022	SDDR of Solar Powered- ZRB	Final submitted		
15	Nov.2022	SDDR of Livestock- MRB	Final submitted		
16	Dec.2022	SDDR of Livestock- ZRB	Final submitted		
17	Jan 2023	QPR-Oct-Dec.2022	10-1-2022		
18	Jan. 2023	4 th Semiannual Social Safeguards Monitoring report – July-Dec.2022	20-1-2023 submitted		
19	Jan 2023	SDDR of Churri subproject-MRB	Jan 2023		
20	April 2023	QPR-Jan-March.2023	7-4-2023		
21	July 2023	6 th Semi-annual Social Monitoring report, Jan-June 2023	19-7-23		
22	Jan 2024	7 th Semi-annual Social Monitoring report, Jul-Dec 2023	31-12-2023	Submitted to PMO	

SDDRs Prepared & Submission Status

Sr.	Name of Sub Project	Type of Document to be Prepared	Submission Status
<u>Zhab River Basin (ZRB)</u>			
1	Siri Toi Dam- SDDR of Unsettled area	SDDR	Submitted on 18-1-2022
	Siri Toi Dam- LARP of settled area	LARP	Submitted on 18-1-2022
2	Killi Sardar Akhter PIS	SDDR	Submitted on 13-7-2021
3	Ahmadzai PIS+FIS	SDDR	Submitted on 1-12-2020
4	Muslimbagh Flood Disposal	SDDR	held
5	Sabakzai Dam Command area- Rehabilitation work	SDDR	Document in progress
<u>Mula River Basin (MRB)</u>			
1	Karkh Valley Dev. Scheme	SDDR	Submitted on 1-12-2020
2	Kharzan Hatachi Infiltration Gallery	SDDR	Submitted on 14-7-2021
3	Pashta Khan & Grambowad PIS	SDDR	Submitted on 7-10-2021
4	Farmers Managed PIS/FIS Schemes	SDDR	held
5	Churri Infiltration Gallery	SDDR	Submitted I Jan.2023
6	Manyalo, Raiko & Rind PIS	SDDR	SDDR In progress

Community Development Component**Solar Powered Drip Irrigation Subproject**

S.No	Project Area	Submitted on	ADB Approved
1	SDDR of MRB area	July 03, 2022	Approved by ADB
2	SDDR of ZRB area	Nov. 2020	Approved by ADB

Distribution of Ruminants (Goats/Sheep) to Poor Women

S.No	Project Area	Submitted on	ADB Approved
1	SDDR of MRB area	Nov. 2022	Approved by ADB
2	SDDR of ZRB area	Dec 2022	Approved by ADB

Command Area Development Program under Siri Toi Dam Sub-project, Zhab

S.No	Project Area	Submitted on	ADB Approved
1	SDDR of Command Area Development Program under Siri Toi Dam Sub-project, Zhab	Aug, 2023	Approved by ADB

Provision of Fruit/Vegetables Processing and Solar Dryer Tunnel Plants to The Women of MRB And ZRB Area Under JFPR Grant.

S.No	Project Area	Submitted on	ADB Approved
1	SDDR of Provision of Fruit/Vegetables Processing and Solar Dryer Tunnel Plants to The Women of MRB and ZRB Area under JFPR Grant.	Dec, 2023	-

APPENDIX-9: UPDATED GAP PROGRESS UPTO DECEMBER 31, 2023

Project Duration	From 5 Jan 2019 to 30 June 2026
Gender Category	EGM
Executive Agency	Irrigation Department Govt. of Balochistan
Gender Specialist	Samina Mengal joined May 2022

GAP Activities,	Indicators and Targets,	Time frame and Responsibility	Current Progress (What to Report during the current period)	Means of Verification/Data Reports	Next Step/Remarks
Output 1: Irrigation Infrastructure constructed and improved					
1.1 Ensure women's participation in consultations for need assessment during sub-projects (dams, weirs, watercourses, canals) design and construction	1.1.1 50% of all consultations include at least 30% women participation. 1.1.2 At least 3 women-only consultations conducted (1 consultation for each core subproject). (2016 baseline: Not applicable)	Q3 2019 – Q1 2021 Q3 2019- Q3 2021	Brief Previous QPRs GAP Status: In 23 killies of 6 subprojects including MRB and ZRB, total of 46 community consultations/awareness-raising activities were conducted – out of a total of 46 consultations, 23 consultations were conducted with 531 (41%) males, and the same number of consultations were arranged with 769 (59%) females.	SDDRs available on the ADB website	Completed
1.2 Conduct needs assessment to determine the communities' choices of domestic water supply locations, washing facilities, water collection points, and other like facilities	1.2.1 Women's groups consulted in the need's assessments during subprojects' design and construction. 1.2.2 Needs assessment report reflects inputs from women's groups. 1.2.3 Communities' and women's groups' inputs are considered in the subprojects' designs and contracts	Q3 2019 – Q3 2021	Brief Previous QPRs GAP Status: In 33 villages of 6 subprojects including MRB and ZRB, consulted 839 women regarding their need assessment. Current Progress: No of 8 Social facilities are constructed in 2 subprojects (Ahmadzai & Karkh) and others are under construction.	Constructed facilities pictures are available.	All facilities will be completed on the given timeline. The reports submitted are reflecting their needs assessment.
1.3 Install facilities in irrigation schemes to enable women's safe and improved access to water for domestic use	1.3.1 At least 30% of irrigation schemes targeted for construction/ rehabilitation have installed facilities for women's safe and improved access to	Q4 2019 to Q4 2023 PMO and PIO with the assistance of Social & Gender	Brief Previous QPRs GAP Status: Irrigation subprojects while in the Karkh area, the contractor is away from the resettlement area the required facilities will be provided	Meeting Pictures and report	Status: 1.3.1 Their demand and necessity have been incorporated into the design for women's improved access to

GAP Activities,	Indicators and Targets,	Time frame and Responsibility	Current Progress (What to Report during the current period)	Means of Verification/Data Reports	Next Step/Remarks
	water for domestic use	Specialists and the field offices in MRB and ZRB.	In Irrigation Schemes 5 water collection points/ washing points. 3 wazu place of Ahmadzai and Karkh Valley Dev. Subproject achieving 100 targets. Current Progress: The remaining Designed social structures are under construction.		water for domestic use. The social assessment and Gender Development specialist discussed with CRE at Quetta and REs at sites to consider these social facilities on a priority basis during the construction.
1.4 Document the impact of increased access to water for domestic use on women's time poverty.	1.4.1 Impact study report includes quantitative and qualitative results of improved access to water for domestic use on women's time poverty	Q2 2022 – Q4 2024	Being followed	-	Status: These facilities are not yet completed at a later stage the NGO will conduct an impact study to assess the benefits to the women.
1.5 Ensure that all eligible and entitled women are aware of and get their rightful compensation as vulnerable affected people	1.5.1 All affected women given orientation on compensations and the process of claiming compensation 1.5.2 All entitled affected women provided with support to facilitate their opening of bank accounts to receive compensation	Q3 2019- Q4 2024	Brief Previous QPRs GAP Status: In all subprojects' affected women were not found regarding land, structures, trees, and crops. The revenue record also indicated that the land of women was not under impact. So, there is no need for a bank account opening to receive compensation.	Revenue Data	In Balochistan due to culture constraint the land holders are mostly men. Therefore, there is no record on land in revenue department that belongs to women
1.6 Ensure women's Participation in Grievance Redressal Committees (GRCs)	1.6.1 At least 25% of all GRCs are women-only GRCs 1.6.2 For areas with no women-only GRCs, separate GRC meetings are held for women	Q3 2019- Q4 2024 Consultants	Brief Previous QPRs GAP Status: In all rehabilitation schemes, women's participation was ensured and documented in QPR and semiannual reports. Women's participation in all GRCs was 33%. Current Progress: The target of GRCs has already	Reports and Documents are available.	The local culture does not allow to work independently by the women in irrigation systems or committees etc. However, efforts were made to form

GAP Activities,	Indicators and Targets,	Time frame and Responsibility	Current Progress (What to Report during the current period)	Means of Verification/Data Reports	Next Step/Remarks
			Achieved		separate GRCs for women members.
Output 2: Command area and watershed protection established and/or rehabilitated					
2.1 Conduct awareness-raising sessions in ZRB and MRB communities on safe drinking water, waterborne diseases and control, and health and hygiene practices	<p>2.1.1 Two (2) awareness sessions in each subproject area (with 2 females-only sessions) conducted on health, hygiene, safe water usage, waterborne diseases, and control (2016 baseline:0)</p> <p>2.1.2 At least 80 women and girls participated in the awareness-raising sessions on health, hygiene, and safe water usage, among others.</p>	<p>Q3 2019 - Q4 2024</p> <p>The tasks of 2.1, 2.1.1, and 2.1.2 will be carried out by the NGO.</p>	<p>Brief Previous QPRs GAP Status: During the field visits of MRB & ZRB, the team of Consultants and PMO/PIO conducted 6 basic awareness sessions created by the social team in which 150 females participated. The sessions include topics on clean drinking water, waterborne diseases, health, hygiene, etc.</p> <p>Brief Current QPRs GAP Status: During the field visits of MRB & ZRB, the team of Taraqee Foundation (NGO) 3 basic awareness sessions conducted by their social team in which 60 females participated and trained on clean drinking water, waterborne diseases, health and hygiene.</p>	Field Visit Reports & Pictures	<p>Status: Taraqee Foundation (NGO) Social team. Now professional awareness sessions are conducted by their field team. The awareness sessions are delivered through brochures and practical's exercises.</p>
2.2 Conduct awareness-raising sessions on the nutritional value of food for women and girls including awareness of mother and child healthcare	<p>2.2.1 Two awareness sessions in each subproject area were conducted on the nutritional value of food for women and girls including awareness of mother and child health care (2016 baseline:0)</p> <p>2.2.2 At least 80 women and girls participated in awareness-raising sessions on food and nutrition, and mother and child healthcare</p>	<p>Q3 2019 – Q4 2024</p> <p>Being arranged through NGO</p>	<p>Brief Current Status: The activities have been imparted in this quarter and implementation will start from the months of October and November 2023.</p> <p>Current Progress: Four sessions were held, specifically focusing on Maternal and Child Health Care (MRB & ZRB), with an emphasis on the nutritional value of food for women and girls. These sessions engaged 80 participants, primarily women. The purpose of these session was to empower women with valuable information that can positively impact</p>	Session report Attendance & Pictures	<ul style="list-style-type: none"> • Target Completed • NGO conducted these sessions through professional experts in health sectors. • Areas of the Benazir Nashonuma support program linked with beneficiaries where they take benefits from different programs.

GAP Activities,	Indicators and Targets,	Time frame and Responsibility	Current Progress (What to Report during the current period)	Means of Verification/Data Reports	Next Step/Remarks
			the well-being of both themselves and their children		
2.3 Conduct training on kitchen gardening that includes growing fruits and vegetables for domestic use, food processing, and handling of agrochemicals	2.3.1 At least 2 training conducted for women and girls for both subproject areas 2.3.2 At least 100 women and girls trained in kitchen gardening (2016 baseline:0)	Q3 2019 – Q4 2024 The tasks of 2.3.1, 2.3.2, 2.4.1, 2.4.2, 2.5.1, and 2.5.2 will be carried out by the NGO	<p>Brief Previous QPRs GAP Status: A field visit of MRB & ZRB was carried out, and during the visit collected basic information and conducted 300 TNAs on Capacity Building, for livestock management 140 women were identified, 60 for kitchen gardening, 60 for HVA farming, and 40 for food processing at the HH level from the community which is submitted for further processing.</p> <p>In (Q-3) current quarter overall all 13 training sessions were imparted in which a total of 325 farmers trained on different sessions</p> <p>9 training sessions were conducted with male farmers of which 150 were trained on O&M of Solar power, drip irrigation, and post-harvest management, and 75 were trained on agribusinesses. Whereas 4 training sessions were conducted on HVA of Agri farming & Kitchen Gardening and trained 100 women beneficiaries. this training session was conducted on both River Basins.</p> <p>Current Progress: In the current quarter 24 training sessions were imparted in which a total of 595 farmers (men and women) trained on different sessions</p> <p>380 farmers trained on HVA-farming in 15 sessions, 25 on Pre-Post harvest management, agri-business in 1</p>	TNA report and identified participants list. Training Reports/Pictures	36% of Training has been done

GAP Activities,	Indicators and Targets,	Time frame and Responsibility	Current Progress (What to Report during the current period)	Means of Verification/Data Reports	Next Step/Remarks
			<p>session.</p> <p>50 women trained on Pre-Post harvest management, agri-business in 2 sessions. 140 women trained on livestock Production and Management in 6 sessions.</p>		
2.4 Conduct training for women on value addition in fruits and vegetables and livestock care.	<p>2.4.1 At least 2 consultations were held in the subproject areas for selecting women for training</p> <p>2.4.2 At least 250 women trained for income-generating high-value agribusinesses (2017 baseline: 0)</p>	<p>Q3 2019 to Q4 2024</p> <p>NGO/PIO/Consultants</p>	<p>Brief Previous QPRs GAP Status: In MRB & ZRB for the provision of livestock for production purposes the team collected 138 individual applications from women community members.</p> <p>During the field visit the team validated and assessed the applications at a ground level to verify the actual status. Formed female groups in six grant areas for livestock caring and production training.</p> <p>In ZRB Two training conducted on HVA-value chain addition and trained 55 men farmers successfully.</p> <p>Further Training will be imparted for both men and women in next quarter.</p> <p>Current Progress: Activity is not planned yet</p>	<p>Reports & Pictures</p>	<p>Status: Total 1050 farmers will be trained of which 300 will be women participants (140 women will be trained on livestock management and production, 60 women on Kitchen gardening and 60 women on HVA- value chain and Agribusiness and 40 women on food processing).</p>
2.5 Support the establishment of pilot demonstration sites for women-led small-scale agri-businesses for fruits and vegetables.	2.5.1 At least 22 women-led small-scale income-generating agribusinesses launched (2017 baseline: 0)	<p>Q3 2019 to Q4 2024</p> <p>NGO/PIO/Consultants</p>	<p>Brief Previous QPRs GAP Status: 2.5.1 138 women are identified. During the reporting period of total of 138 approved women received goats/sheep in both rivers and the 98.5% target was achieved.</p> <p>Cash incentive of to 55 women for fodder and treatment of their goats/sheep provided by the project.</p> <p>2.6.1 6 women were identified for a plastic tunnel for fruits and vegetables drying 3 in each subproject (MRB and</p>	<p>Field visit reports for each activity, distribution reports, and cash receipts of each beneficiary are available in soft and hard documents.</p>	<p>Equipment and Machinery will be procured and then will be handed over to beneficiaries.</p>
2.6 To establish plastic tunnels for fruit and vegetable drying	2.6.1 At least 6 women led-small scale for income generating and livelihood				

GAP Activities,	Indicators and Targets,	Time frame and Responsibility	Current Progress (What to Report during the current period)	Means of Verification/Data Reports	Next Step/Remarks
for women. 2.7 Piloting Demonstration of agri-processing facilities men managed.	enhancement 3 in each subproject. 2.7.1 Two processing plants for fruits and vegetables were established in each subproject area, for small-scale agri-businesses		<p>ZRB).</p> <p>2.7.1 Identification of beneficiaries in each sub-project is completed. Contract awarded site selection is completed.</p> <p>Current Progress:</p> <p>Open advisement was circulated in grant areas and applications were invited to potential females' Applications will be received from them within 10 days of advisement After receiving the application social team will visit the site and validate the deserving beneficiaries.</p> <p>In the current quarter 83 women Cash incentive payments for fodder and treatment of their goats/sheep provided by the project</p> <p>A follow-up visit was conducted of 70% of livestock beneficiaries the livestock were found healthy and in the production phase.</p> <p>2.6-7. The contract was awarded to a firm for procurement of equipment and Machinery.</p> <p>The Equipment and Machinery reached to both MRB & ZRB sites and the provision will be carried out in next quarter after consultation with farmers.</p>	Applications and required documents.	
Output 3: Institutional capacity strengthened					
3.1 Conduct gender training workshops for staff and consultants of EA and IA, and for	3.1.1 At least two (2) gender training workshops conducted for relevant staff and consultants of EA, IA,	Q3 2019 - Q4 2024 3.1.1 and 3.1.2 by an NGO			

GAP Activities,	Indicators and Targets,	Time frame and Responsibility	Current Progress (What to Report during the current period)	Means of Verification/Data Reports	Next Step/Remarks
contractors, that include an orientation on the Gender Action Plan	and contractors 3.1.2 At least 80% of project staff participated in the gender training workshop				
3.2 Recruit social and gender staff for the implementation and monitoring of the gender action plan	3.2.1 One (1) social and gender specialist as a core team member at PMO and PIO hired 3.2.2 One (1) social and gender specialist in project management consultants hired 3.2.3 Four (4) female social organizers (2 each at the field office) were hired and provided with transportation facilities.	PMO Q3 2019 -Q4 2024	The positions were properly announced at the province and district level. Then test and interviews were conducted by a panel. On the basis of the test and interview the selection was made.	—	Target Achieved
3.3 Ensure reporting of gender equality Results	3.3.1 All project periodic reports (quarterly and annual progress reports), as well as the project completion report include progress on GAP implementation, as well as gender equality results	Q4 2019 - Q4 2024	Being followed		Quarterly and Semiannual reports are being prepared.
3.4 Document gender impacts and results of the project	3.4.1 One (1) gender impact study conducted by project end	Q4 -2024 Will be prepared	In process		PMO and PIO with the assistance of the Social and Gender Specialist and the field offices in the MRB and ZRB will keep all the documents

COMMUNITY CONSULTATIONS CONDUCTED

Community Consultations conducted	Venue and Date	Total Community Participants Men	Number of women Participants	List Topics Covered	List Major outcomes of orientation that will benefit women
1) Operation and Maintenance of Solar panels, Drip Irrigation and Efficient use of water (260) Participants 13 event 2) High-Value Agricultural Farming (360) men Participants 18 event)	(July, August and September-2023) ZRB/MRB (July, August and September-2023) ZRB/MRB	100 50	0 0	1. Onion Utilization: 2. Benefits of Onion: 3. Climate and Soil 4. Requirements: 5. Land Preparation: 6. Methods of Onion Plantation: 7. Onion Varieties: 8. Methods of Irrigation: 9. Weed Control 10. Fertilizer Application: 11. Pest Management: 12. Disease Management: 13. Harvesting and Curing:	
3) Pre-Post Harvest Management, Agri-business Participants (100) 5 events men. 4) Cultivation of improved/hybrid vegetable seeds participants (40) event 2 men 5) Kitchen Gardening for women participants (60) event 3 6) Pre-Post Harvest Management, Agri-business for women participants (60) event 3 7) Livestock Management and production for women participants (140) event 7	(July, August, and September-2023) ZRB/MRB (July-August-2023) MRB (July-August-2023) MRB	75 0 0	0 50 50	Briefly defined kitchen gardening and processing of fresh vegetables. And small-scale processing units at HHs level for vegetable and fruit drying. Further discussed the capacity building of the women community members on livelihood-related training.	Women will be able to uplift their income and contribute to HH-level livelihood after completion of training their skills will be enhanced.
8) 4) Distribution of Cash payment for feed (MBR/ZBR)	August-2023	0	83	To provide Cash payments for feed and livestock treatment -	To increase farm income through the provision of small ruminants.
Total		225	183		

APPENDIX 10. ENVIRONMENTAL REPORTS SUBMISSION RECORD (BWRDSP)

Sr. No.	Date	Type of report - final To TL/DTL	Final submitted On (date) to PMO	Remarks
IEE/EIA Reports				
1.	31-12-2023	Final IEE of Manjalo Raiko NCB-07	Final Submitted	Waiting for Approval
2.	25-03-2021	Final EIA of Siri Toi Dam ICB 01	Final submitted	Approved by ADB
3.	25-05-2021	IEE of Ahmedzai NCB 08	Final submitted	Approved by ADB
4.	25-05-2021	IEE of Karakh valley Development Sub-Project NCB 01	Final submitted	Approved by ADB
5.	25-05-2021	IEE Kharzan Hitachi Infiltration Gallery NCB 02	Final submitted	Approved by ADB
6.	3-07-2021	IEE of Water Resources Building NCB 05	Final Submission	Approved by ADB
7.	4-08-2021	IEE of Killi Sardar Akhtar NCB 06	Revised as per ADB Comments	ADB Comments received on 28 July 2021
8.	19-08-2021	IEE Report of Pashto Khan and Garambowad PIS Subproject	Submitted	
SSEMPs				
1.	20-09-2021	Final SSEMP of Ahmedzai NCB 08	Final submitted	Approved by ADB
2.	3-12-2021	Final SSEMP of Water Resources Building NCB 05	Final submitted	Approved by ADB
3.	9-12-2022	Final SSEMP of Siri Toi Dam ICB 01	Final submitted	Approved by ADB
4.	4-04-2023	Updated SSEMP of Karakh valley Development Sub-Project NCB 01	Updated as per ADB Comments and submitted to PMO	1 st Draft reviewed by ADB
5.	16-05-2022	SSEMP of Kharzan Hitachi Infiltration Gallery NCB 02	1 st draft submitted to PMO after Consultants review	
6.	31-03-2023	SSEMP of Killi Sardar Akhtar NCB 06	1 st Draft submitted to PMO for Consultants review	Consultants have provided comments to the contractor
7.	14-06-2023	SSEMP of Pashto Khan and Garambowad Perennial Irrigation Subproject NCB-04	1 st Draft submitted for Consultants review	Consultants have provided comments to the contractor
8.	14-06-2023	SSEMP of Manjalo, Raiko, and Rind Ali Perennial Irrigation Subproject–Mula River Basin (NCB-07)	1 st Draft submitted for Consultants review	Consultants have provided comments to the contractor
Semiannual Environmental Monitoring Reports				
1.	27-07-2023	5 th Semiannual Environmental Report Jan-June 2023	Draft submitted	ADB Comments incorporated
2.	11-04-2023	Revised 4th Semiannual Environmental Monitoring Report	Final submitted	Approved by ADB
3.	27-12-2022	Final 3rd Semi-Annual EMR (January-June 2022)	Final submitted	Approved by ADB
4.	15-03-2022	Final 2 nd Semiannual Monitoring report – July-Dec.2021	Final submitted	Approved by ADB
5.	20-07-2021	Final 1 st Semiannual Monitoring report – January-June 2021	Final submitted	Approved by ADB
Environmental Screening Reports				
1.	21-09-2022	Installation of Solar Powered Drip Irrigation System under BWRDSP	Final submitted	Approved by ADB
2.	29-11-2022	Livelihood and Income Generation through Sheep, Goat Distribution for Zhob and Mula River Basin	Final submitted	Approved by ADB

APPENDIX 11. FUNDS ALLOCATION AND DISBURSEMENT

Table 1: Loan / Grant Timetable

Loan / Grant	Approve Date	Signing Date	Effect. Date	Closing Date	
				Original	Revised
Grant 0597-PAK (EF)	31-Aug-18	05-Jan-19	07-Mar-19	31-Mar-24	-
Grant 9197-PAK (EF)	31-Aug-18	05-Jan-19	07-Mar-19	31-Mar-24	-
Loan 3700-PAK (COL)	31-Aug-18	05-Jan-19	07-Mar-19	30-Jun-24	30-Jun-26

Table 2: Project Funding Allocations (US\$ Million)

As per PAM		Original Project Cost as Per PAM	ADB	JFPR	HLTF	GOB	
Components			Loan 3700-PAK	Grant 9197-PAK	Grant 0597-PAK		
A. Investment Costs							
1. Civil Works		101.66	88.35	0.44	0.38	12.49	
2. Goods		5.67	1.15	2.16	1.16	1.20	
3. Consulting Services (including training)		7.47	6.00	0.11	0.24	1.12	
4. Environment, Resettlement & Land Acquisition		0.50	0	0	0	0.50	
Subtotal (A)		115.30	95.50	2.71	1.78	15.31	
B. Recurrent Costs							
1. Project Management		2.19	1.28			0.91	
Subtotal (B)		2.19	1.28	0.00	0.00	0.91	
Total Base Cost (A+B)		117.49	96.78	2.71	1.78	16.22	
C. Contingencies							
1. Physical		2.54	0	0.29	0.22	2.03	
2. Price		12.89	0	0	0	12.89	
Subtotal (C)		15.43	0.00	0.29	0.22	14.92	
D. Financial Charges During Implementation							
Fee and IDC		3.22	3.22				
Subtotal (D)		3.22	3.22	0.00	0.00	0.00	
Total Project Cost (A+B+C+D)		136.14	100.00	3.00	2.00	31.14	

Table 3: Fund Allocation, Contract Awards and Disbursements Summary

As on 31 December, 2023		(US\$ Million)												
Components	Original Project Cost as Per PAM	Project Estimated Cost				Contract Awarded				Disbursed Amount				
		ADB	JFPR	HLTF	GOB	ADB	JFPR	HLTF	GOB	ADB	JFPR	HLTF	GOB	
		Loan 3700-PAK	Grant 9197-PAK	Grant 0597-PAK		Loan 3700-PAK	Grant 9197-PAK	Grant 0597-PAK		Loan 3700-PAK	Grant 9197-PAK	Grant 0597-PAK		
A. Investment Costs														
1. Civil Works	101.660	88.350	0.440	0.380	12.490	64.67	-	-	9.24	25.260	-	-	2.714	
2. Goods	5.670	1.150	2.160	1.160	1.200	2.061	2.281	-	0.415	0.710	1.45	1.039	0.122	
3. Consulting Services (including training)	7.470	6.000	0.110	0.240	1.120	5.144	-	-	1.053	3.201	0.043	0.013	0.674	
4. Environment, Resettlement & Land Acquisition	0.500	-	-	-	0.500	-	-	-	0.168	-	-	-	0.168	
Subtotal (A)	115.300	95.500	2.710	1.780	15.310	71.875	2.281	-	10.876	29.171	1.493	1.052	3.678	
B. Recurrent Costs														
1. Project Management	2.190	1.280	-	-	0.910	0.419	-	-	0.290	0.568	-	-	0.425	
Subtotal (B)	2.190	1.280	-	-	0.910	0.419	-	-	0.290	0.568	-	-	0.425	
Total Base Cost (A+B)	117.490	96.780	2.710	1.780	16.220	72.294	-	-	11.166	29.739	-	-	4.103	
C. Contingencies														
1. Physical	2.540	-	0.290	0.220	2.030	-	-	-	0.151	-	-	-	0.269	
2. Price	12.890	-	-	-	12.890	-	-	-	0.649	-	-	-	1.659	
Subtotal (C)	15.430	-	0.290	0.220	14.920	-	-	-	0.800	-	-	-	1.928	
D. Financial Charges During Implementation														
Fee and IDC	3.220	3.220	-	-	-	-	-	-	-	-	-	-	-	
Subtotal (D)	3.220	3.220	-	-	-	-	-	-	-	-	-	-	-	
Total Project Cost (A+B+C+D)	136.140	100.000	3.000	2.000	31.140	72.294	2.281	-	11.966	29.739	1.493	1.052	6.031	

The project award and disbursed amounts don't include amounts in the advance accounts.

Table 4. Contracts Awarded, Amount Disbursed and Outstanding Balances**A- Contract Roster (US\$) As on December 31, 2023 (Loan L3700-PAK)**

Name of Component	Name of Subproject	Consultant/Contractor	Contract Signed Date	Funding Authority	Currency	Contract Amount PKR	Contract Amount US\$	Amount Disbursed up to Sep, 2023	Amount Disbursed up to December 2023	Total Amount Disbursed	Outstanding Contract Balance	% of Paid Amount	% of Outstanding Contract Balance
1. Civil Works	Investment Costs												
	Ahmedzai Subproject	M/S Noor Ul Haq & Brothers	08-12-2020	ADB	US\$	669,700,848	3,197,832	3,122,535	43,319	3,165,854	31,978	99%	1%
	Karkh River Subproject	JV of M/s Zahir Khan & Brothers and M/s Agha Construction Company (ACC)	14-12-2020	ADB	US\$	1,095,932,270	3,801,756	2,711,345	301,789	3,013,134	788,622	79%	21%
	Water Resources Building Subproject	JV of M/s Haji AHB and M/s Muhammad Akbar Shahwani & Brothers	24-03-2021	ADB	US\$	876,415,573	3,130,056	1,106,029	196,487	1,302,516	1,827,540	42%	58%
	Kharzan Hatachi Infiltration Gallery Subproject	JV of M/s Agha Brothers Construction Company, M/s ACC and M/s Sadaat Enterprises	08-06-2021	ADB	US\$	1,091,806,041	7,032,963	1,086,479	1,300,899	2,387,378	4,645,585	34%	66%
	Siri Toi Dam Subproject	M/S Noor Ul Haq & Brothers	31-01-2022	ADB	US\$	9,896,217,462	56,180,627	15,606,233	1,162,131	16,768,364	39,412,263	30%	70%
	Construction of Killi Sadar Akhtar Subproject	M/S Noor Ul Haq & Brothers	11-01-2023	ADB	US\$	369,481,384	1,628,281	170,556	251,511	422,067	1,206,214	26%	74%
	Construction of Pashta Khan and Garambowa d	M/s Agha Brothers Construction Company – M/s Ramzan & Sons (Private) Limited (joint venture)	23/04/2023	ADB	US\$	1,153,018,614	4,133,424	484,932	28,621	513,553	3,619,871	12%	88%
	Construction of Manyalo, Raiko, and Rind Al	M/s Agha Brothers Construction Company – M/s Ramzan & Sons	23/04/2023	ADB	US\$	1,499,912,625	5,376,995	372,779	37,232	410,011	4,966,984	8%	92%

		(Private) Limited (joint venture)											
2. Goods	Karkh River Development Scheme	Various	09/06/2023	ADB	US\$	-	1,340,000	72,380	-	72,380	1,267,620	5%	95%
	Ahmedzai PIS and FIS	Various	09/06/2023	ADB	US\$	-	300,000	30,093	-	30,093	269,907	10%	90%
	Killasaiullah	Various	04/07/2023	ADB	US\$	-	1,090,000	150,312	87,432	237,744	852,256	22%	78%
	Vehicles (4 convertible jeep)	Suzuki International Motors	21-02-2020	ADB	US\$	15,960,000	103,509	102,472	-	102,472	-	100%	0%
	Vehicles (6 4x4 double cabin)	Toyota Zarghoon Motors	11-06-2020	ADB	US\$	39,954,000	241,662	252,567	-	252,567	-	100%	0%
	IT Equipment	Integrating Ventures-Black Hat (JV)	24-03-2020	ADB	US\$	3,356,985	20,135	21,492	-	21,492	-	100%	0%
	IT Equipment	M/S Q Serve Enterprises, Quetta	14-12-2020	ADB	US\$	2,633,307	16,424	16,090	-	16,090	-	100%	0%
	Furniture & furnishing	J.K. Interior, Furniture & Carpets	02-05-2020	ADB	US\$	7,902,396	46,926	50,738	-	50,738	-	100%	0%
	2 Honda CD 70CC Bikes	Atlas Honda	23-06-2021	ADB	US\$	169,000	1,036.49	1,085	-	1,085	-	100%	0%
	IT Equipment	M/S Q Serve Enterprises, Quetta	23-06-2021	ADB	US\$	2,069,145	9,040.50	9696.35	-	9696.35	-	100%	0%
3. Consulting Services (including training)	ICT and Security for Water Resources Building	M/s QServe Enterprises	10/04/2023	ADB	US\$	34,457,459	145,765	138,502	5,805	144,307	1,458	99%	1%
	Furniture and Furnishings for Water Resources Building,	M/S Wajedo International Corporation (Pvt.) Ltd	16/06/2023	ADB	US\$	77,730,240	269,896.67	143,030	70,183	213,213	56,684	79%	21%
	Consultancy Firm	NESPAK-RHC-EGC (JV)	24-Jul-19	ADB	US\$	1,206,571,832	6,101,081	3,619,345	256,150	3,875,495	2,225,586	64%	36%
	Individual Consultants	Sri Toi Dam Safety Panel of Experts	08-05-2020	ADB	US\$	15,327,000	95,475	34,661	-	34,661	60,814	36%	64%

4. Environment, Resettlement & Land Acquisition	Siri Toi Dam Land Acquisition	Siri Toi Dam Land Acquisition & Environmental & Social Safeguard Consultants		ADB	US\$	43,532,609	167,663	167,663	-	167,663	-	100%	0%
B. Recurrent Costs													
1. Project Management		PMO & PIO		ADB	US\$	68,138,267	949,188	900,748	48,440	949,188	-	100%	0%
C. Contingencies													
Physical	Siri Toi Dam Security	FC Balochistan		ADB	US\$	51,393,595	395,056	276,526	118,530	395,056	-	100%	0%
Price	Civil Works			ADB	US\$	279,683,837	1,552,884	1,534,565	18,319	1,552,884	-	100%	0%
TOTAL				US\$	17,428,057,173	96,283,156	32,182,853	3,878,408	35,533,879	96,283,156			

Note: Exchange rate for Contact amount in US \$ is the rate used at date of contract awarded in PCSS.

B- Contract Roster (US\$) As on December 31, 2023, (Grant 9197 PAK)

Name of Component	Name of Subproject	Consultant/Contractor	Contract Signed Date	Funding Authority	Currency	Contract Amount PKR	Contract Amount US\$	Amount Disbursed upto Sep 2023	Amount Disbursed upto Dec 2023	Total Amount Disbursed	Outstanding Contract Balance	% of Paid Amount	% of Outstanding Contract Balance
A. Investment Costs													
1. Goods	Supply and Installation Solar Power Drip Irrigation System and Construction of Tube-Well	Various	23-11-2022	ADB	US\$	-	2,031,000	797,024	167,128	964,152	1,066,848	47%	53%
	Supply and Distribution of Small Ruminants (Sheep and Goats)	Various	15-03-2023	ADB	US\$	-	250,000	257,187	-	257,187	-7,187	100%	0%
	High Yielding Fruit Plants	Zarkash Development Solution	17-07-2023	ADB	US\$	256,341,200	55,000	38,739	-	38,739	16,261	70%	30%
	Agri Processing Facility	Shah Zarab	9-06-2023	ADB	US\$	-	896,705	-	303,748	303,748	592,957	34%	66%
2. Training	Non- Government Organization for Strengthening of Community Capacity of HVA	Taraqee Foundation	16/03/203	ADB	US\$	22,100,000	78,614	30,385	18,866	49,251	29,363	63%	37%
Total				US\$	22,100,000	3,311,319	1,123,335	489742	1,613,077	1,681,981			

C- Contract Roster (US\$) As on December 31, 2023, (Grant 0597- PAK)

Name of Component	Name of Subproject	Consultant/Contractor	Contract Signed Date	Funding Authority	Currency	Contract Amount PKR	Contract Amount US\$	Amount Disbursed up to Sep 2023	Amount Disbursed upto Dec 2023	Total Amount Disbursed	Outstanding Contract Balance	% of Paid Amount	% of Outstanding Contract Balance
A. Investment Costs													
1. Goods	Establishment of Network for Monitoring Weather and River Inflow (HLT-ICB-01)	M/s Buraq Integrated Solutions Pvt. Limited	26-01-2023	ADB	US\$	-	1,829,673	13,280	1,155,083	1,168,363	661,310	64%	36%
	Total			US\$	-	1,829,673	13,280	1,155,083	1,168,363	661,310	64%	34%	

APPENDIX- 12 GANTT CHART

Activity	Progress Upto December 31, 2023												Description
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
A: BWRDSP Consultants Inception Phase	● Commencement and Mobilization of Services												● PMO, PIO & Consultants Working
B: Design and Procurement of Irrigation Subprojects	● Karkh Valley Development; Kharzan Hitachi Infiltration Gallery; Ahmedzai PIS+FS; Killi Sardar Akhtar PIS; and Pashta Khan & Garambowad PIS Subprojects												
1 Data Collection, Survey, Investigations and Design Criteria	● Collection & Review of Relevant Data and Data Validation; Develop Design Criteria, Topographic Survey, Geological Studies & Geotechnical & Material Investigation												● Design criteria, Geotechnical studies, Material Investigations and Topographic survey of subprojects completed.
2 Feasibility Study	● Hydrological, Geological, Agriculture, Groundwater, Irrigation, Command Area Development, Socio-Economic and Economic studies and Analysis; Geotechnical Design & Investigation; Structure Design and Analysis; Hydraulic Design & Optimization; Feasibility Report; Engineer's Estimate; Drawings; and Review & approval by the Client.												● Karkh Valley Development, Ahmedzai PIS+FS, Kharzan Hitachi Infiltration Gallery, Killi Sardar Akhtar PIS and Pashta Khan & Garambowad PIS Churri Infiltration Gallery, and Manjalo Raiko Rind Ali subprojects completed, only Sabakzai left
3 Detailed Engineering Design, Design Report and Drawings	● Preparation of Design Reports; Design Drawings; and Detailed Studies for Hydrology, Geographical/Geotechnical, Agriculture, Groundwater & Water Shed Management; and Design of Hydraulic, Irrigation System, Dam Embankment, Geotechnical /Foundation, Structure & Mechanical etc.												● Detail Design of all subproject submitted with FS, only Sabakzai left ● Drawings of all subprojects completed, only Pashta Khan & Manjalo, Raiko left
4 Environmental and Social Studies	● Submission of IEE/ EIA Reports												● IEE/EIA reports of all subproject completed
	● Submission of DDR Reports												● Social Due Diligence Reports of 6 subprojects completed, only 3 left
5 Bidding Documents	● Preparation/ Approval of Bidding Documents												● Bidding Documents of all subprojects prepared, only Sabakzai left
6 Award of Construction Contracts	● Invitation of Bids, Bid Evaluation and Award of Contracts												● Karkh Valley, Kharzan Hatachi, Ahmedzai, Killi Sardar Akhtar, Pashta Khan & Manjalo Raiko Subprojects have been awarded
7 Construction Phase: Site Office, Contracts Administration, Construction Supervision, Implementation of Social and	● Construction of Khar River Development Subproject (Dec-20 to July-24)												● Construction 10% completed
	● Construction of Ahmadzai PIS+FS - Priority Subproject (Dec-20 to Dec-22)												● Construction 97% completed
	● Construction of Kharzan Hitachi Infiltration Gallery Subproject (Jun-21 to Mar-24)												● Construction 26% completed
	● Construction of Killi Sardar Akhtar - Priority Subproject (Dec-22 to Dec-24)												● Construction 20% completed
	● Construction of Pashta Khan and Garambowad PIS Subproject (May-23 to May-25)												● Contract has been awarded
	● Construction of Water Resources Building (Apr-21 to July-24)												● Construction 86% completed
C: Design and Procurement of Siri Toi Dam Subprojects	● Collection & Review of Relevant Data												● Activity Completed
	● Revise Feasibility study of Siri Toi Dam												● Feasibility Study of Siri Toi dam revised
1 Field Work	● Topographic Survey, Geological Studies/Mapping, Geotechnical/Geological Investigation, Material Investigation & Borrow Area												● Topographic survey, geotechnical studies and material investigation completed
2 Detailed Engineering Design	● Dam/ Embankment/Foundation, Hydraulic, Geotechnical and Seismic studies												● Dam structural studies completed
	● Design of Spillway/ Intake / Outlet Structure; Detailed Structure Design, Drawings, Design Reports for Siri Toi Dam												● DDR and Construction drawings completed
	● Detailed Studies of Hydrology, Watershed Management & Agriculture, Design Criteria, Design of Irrigation Channel and Appurtenant Structure												● Detail design report finalized in 3rd Quarter 2021

