

The Republic of Tajikistan

The World Bank

State Institution “Project Implementation Unit for Access to Green and Rural Development Finance”

PROJECT REPORT “STRENGTHENING CRITICAL INFRASTRUCTURE RESISTANCE
AGAINST TO NATURAL HAZARDS”

First Half of 2021

CREDIT IDA 6089-TJ

GRANT IDA D205-TJ

DUSHANBE – 2021

Table of contents

ACRONYMS.....	5
TABLES AND DIAGRAMS.....	6
INTRODUCTION.....	6
MAIN CHARACTERISTICS OF THE PROJECT	7
I. CHAPTER I.	8
PROJECT GOALS, COMPONENTS AND OBJECTIVES	8
1.1. Brief Information on the Project.....	9
1.2. Project Objectives	9
1.3. Project Components	9
1.3.1. Component 1. Strengthening Disaster Risk Management Capacity.....	9
1.3.2. Component 2. Making Critical Infrastructure Resilient against Natural Hazards.....	10
1.3.3. Component 3. Contingent Emergency Response Component.	11
1.3.4. Component 4. Project Management.	11
II. CHAPTER II. PROJECT IMPLEMENTATION PROCESS	11
2.1. Component 1. Strengthening Disaster Risk Management Capacity.	11
Subcomponent 1.1. Modernizing the Crisis Management Centers and Systems for Improved Disaster Preparedness.	11
2.2. Subcomponent 1.2. Construction works. Seismic Hazard Assessment for Improved Disaster Risk Identification.....	14
2.3. Subcomponent 1.3. Preparation of a Financial Protection Strategy for mitigating fiscal shocks caused by natural disasters	14
2.4. Component 2. Making Critical Infrastructure Resilient against Natural Hazards.	15
Implementation of subcomponent 2.1	15
Bridge rebuilding process:.....	18
2.5. <i>Subcomponent 2.2. Strengthening flood and river bank protection infrastructure. (Total value \$17.5 million)</i>	22
2.5.1. Brief information about the subcomponent 2.2.....	22
2.5.2. <i>Project implementation zone</i>	23
2.5.3. Procurement by subcomponent 2.2	24
2.5.4. Disbursement of Project funds under the subcomponent 2.2.....	26
2.5.5. Implementation of Subcomponent 2.2	27
2.5.6. Design organization for subcomponent 2.2 LLC “Interproject”	29
2.6. Component 3. Contingent Emergency Response Component (CERC) (total cost is \$6 million US). .	30
2.7. Component 4. Project Management.	31
III. CHAPTER III. PROJECT MANAGEMENT AND IMPLEMENTATION	33
3.1. Procurement	33
3.2. Financial Management.....	34
3.3. Monitoring and evaluation	36
IV. CHAPTER IV. EXPECTED BENEFITS OF THE COMPONENTS AND SUBCOMPONENTS OF THE PROJECT	37
4.1. Component 1.	37
Subcomponent 1.1 Modernization of Crisis Management Centers and systems to improve disaster preparedness	37
4.2. Component 2.	38
Subcomponent 2.1 Restoration of destroyed 17 bridges in the project areas will contribute to:.....	38

V. CHAPTER V. SAFEGUARDS	38
5.1. Social and environmental impact of the project	38
5.2. Resettlement issues and citizen engagement	39
5.3. Risks and negative impacts of the Project:.....	40
5.4. Implementation of Safeguards	40
5.5. Occupational health and safety	42
5.6. Grievance Redress Mechanism	42
5.7. Activities on occupational health and safety.....	44
5.8. Work on the prevention measures to prevent the spread of coronavirus infection (COVID-19).....	44
5.9. Impact of the subcomponent 2.1. to citizen’s properties	45
5.10. Safeguards for Subcomponent 2.2.	47
Institutional support	48
Impacts of the Project	48
5.11. Work on the prevention of measures to prevent the spread of coronavirus infection (COVID-19)	51
5.12. Impact of subcomponent 2.2. to the citizen’s properties	52
Monitoring the Implementation of the RAP	52
5.13. Grievance Redress Mechanism	53
5.14. Labor influx and gender issues.....	55
5.15. Project Beneficiaries	58
5.16. Mitigation measures and approaches to prevent/contain the spread of COVID-19	59
 ESTABLISHMENT OF COMMUNITY BASED VOLUNTEER RESCUE GROUPS (VRG).	 60
Annex 1 Results and monitoring matrix.....	61
Annex 2 Construction progress status for Subcomponent 2.2. (as of 07/01/2021).....	67
Annex 3 Register of fixing complaints and suggestions	69
Annex4. Social monitoring plan of the project.....	77
Annex5. Photo report on the Project implementation process.....	79

ACRONYMS

ALRI	Agency for Land Reclamation and Irrigation
GRM	Grievanceredressmechanism
EIA	Environmental Impact Assessment
EMP	Environment Management Plan
ESMP	Environmental and Social Management Plan
FA	Framework Agreement
FAS	Financial and Accounting System
GoT	Government of The Republic of Tajikistan
CoES and CD	Committee of Emergency situations and Civil Defense
IDA	International Development Association
IPF	Investment Project Financing
MoF	Ministryof Finance
M&E	Monitoring andEvaluation
NDS	National Development Strategy
NPDRR	National Platform on Disaster Risk Reduction
NCMC	National Crisis Management Center
OP	Operational Policy
PAMP	Public Employment for Sustainable Agriculture and Water Management Project
PDO	Project Development Objectives
PIG	Project Implementation Group
PIU	Project Implementation Unit
PMMS	Project Management Monitoring System
PMU	Project Management Unit
POM	Project OperationalManual
PRS	PovertyReduction Strategy
RT	The Republic of Tajikistan
RPF	Resettlement Policy Framework
SAESPM	State Agency for Employment, Social Protection and Migration
SDR	Special Drawing Rights
TJS	TajikSomoni (nationalcurrency)
BD	Bidding Documentation
TOR	TermsofReferences
TOT	TrainingofTrainers
DRM	Disaster Risk Management
IGEES	Institute of Geology, Earthquake Engineering and Seismology
UN	United Nations
RAP	Resettlement Action Plan
UNDP	United Nations Development Program
USD	United StatesDollar
VRG	Volunteer Rescue Groups
WFP	World Food Program
WB	World Bank

TABLES AND DIAGRAMS

№	Name of tables and diagrams	Page
1.	Table No.1 Status of financial payments under Component 2.1.	18
2.	Table No.2 Information on restoration of bridges	22-23
3.	Table No.3 Concluded contracts under Component 2.2.	28
4.	Table No.4. Disbursement of funds under Component 2.2.	29
5.	Table No.5 Purchase of basic works and services.	42-43
6.	Table No.6 Summary of Project Budget Expenditures	44
7.	Table No.7 Disbursement of PIU MoF funds	45
8.	Table No.8 Information on the payment of compensation under Lot 1	50-51
9.	Table No.9 Information on the payment of compensation under Lot 2	51
10.	Table No.10 Summary table of citizens' appeals on the Project	56
11.	Table No.11 Number of workers under Component 2.1.	58
12.	Table No.12 Number of workers under Component 2.2.	59
13.	Table No.13. Summary table of Project workers under the Project	60
	Diagram 1. Project Management Structure	41
	Diagram 2. Structural Grievance Redress Mechanism and Proposals	54
	Figure 3. Diagram of location of sites of riverbank protection in Qabodiyon district	32

INTRODUCTION

Tajikistan is a small landlocked country in Central Asia with a population of over 9 million. About 76% of population is rural and only less than one third lives in cities. Tajikistan is an import dependent country and thus very prone to all external shocks, in particular food price spikes and various climate change. The country has adopted and signed the UN Millennium Declaration in 2000 and is committed to increase living standards of population through implementation of the National Development Strategy (NDS) which defines the main priorities and general directions of the state policy targeting achievement of sustainable growth, improved access of population to basic social services and poverty reduction. Improved food access and food availability are among the top Government priorities set by the NDS and Poverty Reduction Strategy (PRS).

Investments under the project will help reduce both the physical and socioeconomic vulnerabilities of Tajikistan’s population to climate-related disasters.

At the request of the PMU of the MoF for the provision of financial assistance under the project, the World Bank (WB) provided an advance at the initial stage of the project. The advance was intended for the preparation of a feasibility study, detailed design and preparation of bidding documents for 18 restored bridges in Vanj, Murghab, Darvoz and Rushan districts of GBAO and for the restoration (reconstruction) of flood protection structures in Kulob, Vose, Qabodiyon and Shaartuz districts of Khatlon region.

The proposed project envisions establishing the foundation of the Government of Tajikistan’s long-term disaster risk management program. Due to unique terrain and geological and hydrological features, Tajikistan is prone to diverse natural hazards such as floods, earthquakes, landslides, mudflows, droughts and heavy snowfalls. As an initial step, the project will target areas in the GBAO and Khatlon Region that were affected by floods and mudflows in July 2015 and finance reconstruction of related infrastructure to reduce disaster risks and avoid potential damages in the long-term taken into account that the region is vulnerable to natural disasters.

MAIN CHARACTERISTICS OF THE PROJECT

Project Identification Number	Project INP 158298
Date of signing the Project Financing Agreement	August 15, 2017
Effectivedate	February 8, 2018
Project closuredate	December 31, 2023
Fundingfromthe IDA	Grant No. D205-TJ - 18.3 million SDR (Equivalent to US \$ 25.00 million) Loan No. 6089-TJ - \$ 25.00 million USD
The total cost of project	\$ 50 million USD

Implementing agency: Ministry of Finance of RT

Implementing organizations: State Institution “Project Implementation Unit for Access to Green and Rural Development Finance” under the Ministry of Finance of the Republic of Tajikistan - Components 1,3,4

PIG of the Ministry of Transport of RT- Subcomponent 2.1.

PMU under the Agency for Land Reclamation and Irrigation under the Government of RT- Subcomponent 2.2.

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I. CHAPTER I. PROJECT GOALS, COMPONENTS AND OBJECTIVES

1.1. Brief Information on the Project

The World Bank has allocated US\$ 50 million for the implementation of the “STRENGTHENING CRITICAL INFRASTRUCTURE RESISTANCE AGAINST TO NATURAL HAZARDS PROJECT”, including US\$25 million equivalent IDA grant and US\$ 25 million IDA credit.

The Agreement between the Republic of Tajikistan and the World Bank on the implementation of the Project was signed on August 15, 2017. According to the terms of the Agreement, the project will be implemented within 6 years. Start; February 08, 2018 Completion; December 31, 2023.

1.2. Project Objectives

The Project Objectives are to strengthen the recipient’s disaster risk management capacities, enhance the resilience of its critical infrastructure against natural hazards, and improve its capacity to respond to disasters. It will be achieved by attaining a better understanding of disaster risks, improving disaster risk–informed planning, designing and reconstruction of critical infrastructure (including bridges and flood protection and riverbank erosion–prevention infrastructure), and improving government’s capacity to respond promptly and effectively in emergencies.

1.3. Project Components

The project is composed of four components:

1.3.1. Component 1. Strengthening Disaster Risk Management Capacity

The component Objectives are to strengthen the government’s capacity for disaster risk management (DRM) through selected activities that focus on disaster risk identification, disaster preparedness, and financial protection against disasters.

This component is being implemented by the PMU MF in coordination with UNDP. In which it is envisaged to constantly strengthen the capacity of the CoES and CD at the national and regional levels. Creation of regional mechanisms for governance and including disaster risk reduction and Public policy at the national and subnational levels.

Component 1 consists of the following subcomponents:

Subcomponent 1.1. Modernizing the Crisis Management Centers and Systems for Improved Disaster Preparedness.

Within the framework of the Project, it will finance the following:

- a. Necessary work to build or renovate a facility to host the national CMC;
- b. The procurement of required information and communication technology equipment to be installed within the national CMC, including:
 - equipment for dispatching early warnings,
 - an automated emergency call receiving system and dispatch services,
 - a disaster management information system, and
 - robust crisis communications
- c. The procurement of mobile command center and communication vehicles for the improved crisis management systems at the regional and local levels;
- d. Consulting services for preparing an operation manual for the CMCs and systems;
- e. Trainings for relevant staff and operators of the CMC and users of the mobile command center and communication vehicles.

This activity will be implemented by the PIU MoF with technical inputs and supervision from the CoESCD.

Subcomponent 1.2. Seismic Hazard Assessment for Improved Disaster Risk Identification

The Project will finance the procurement of the necessary equipment, such as seismic stations, seismic sensors, analytical software, etc., so that the IGEES conducts a probabilistic seismic hazard assessment in Tajikistan and, based on the results of the national probabilistic seismic hazard assessment, develops a seismic microzoning of the city of Dushanbe and adjacent zone.

This activity will be implemented by the PIU MoF, with technical input and supervision from the IGEES.

Subcomponent 1.3. Preparation of a financial protection strategy for mitigating fiscal shocks caused by natural disasters

As an initial step towards increasing financial protection of Tajikistan, the Project envisages conducting detailed fiscal risk diagnostics and assessment that will help identifying contingent liabilities, resources available and funding gaps. Moreover, based on the diagnosis of the fiscal risks, the Project will support the preparation of the financial protection strategy, reflecting the ways Tajikistan can use to mitigate fiscal shocks caused by disasters. This strategy will also touch upon actions to improve existing financial instruments or introduce new ones. For these activities, the Project will finance fiscal risk diagnostics advisory services, further capacity building activities and preparation of a financial protection strategy.

1.3.2. Component 2. Making Critical Infrastructure Resilient against Natural Hazards.

Under this component, the Project will finance:

- capital works and contingency planning (for example, procurement of road and emergency equipment) for the GBAO transport network, which suffered the most significant damage in July 2015; and
- flood protection infrastructure (purchase of reclamation equipment and equipment for emergency situations) in Khatlon region, which is repeatedly damaged.

Capital Works:

- the transport network will mainly include the reconstruction and repair of a number of bridges; and
- flood control - strengthening of damaged existing infrastructure along with appropriate measures to prevent erosion.

This component consists of 2 sub-components.

Subcomponent 2.1. Strengthening of bridges (\$19 million USD)

Funding for the work envisaged under this component consists mainly of the reconstruction of 18 bridges in GBAO districts. Identified target bridges include those in Vanj, Rushon, Murghab and Darvaz districts of GBAO along the Vanj–Yazgulem, Vanji–Bolo and Chikhoh–Ravgada roads and the Dushanbe–Kulob–Khorog–Kulma routes

Subcomponent 2.2. Strengthening of Flood Protection and Riverbank Protection Infrastructure (US\$19 million)

The Project will support the strengthening of the selected flood control infrastructure in the Khatlon region. Target areas for intervention include river catchments; Ziraki, Dahana, Yakhsu, Kyzylsu, Surkhob and Kafernigan in Khatlon region. The project provides for capital works on flood protection, reconstruction and strengthening of damaged river bank protection dams (structures) that

protect the located infrastructures behind the bank protection structure. Potentially including irrigation as well as drainage water intakes and outlets.

1.3.3. Component 3. Contingent Emergency Response Component.

The objective of this component is to improve Tajikistan’s capacity to respond to disasters. An emergency eligible for financing is an event that has caused, or is likely imminently to cause, a major adverse economic and/or social impact to the Republic of Tajikistan, associated with a disaster.

Prompt provision of funds by the Project will allow the GoT to request a reallocation of Project funds to partially cover the costs of emergency response and recovery.

1.3.4. Component 4. Project Management.

This component will support the incremental operating costs of implementing agencies (IA) (Ministry of Finance, Ministry of Transport and ALRI) associated with the implementation of the Project, including:

- general administration and management of the Project, prioritization of subprojects;
- social and environmental management;
- financial management (FM), procurement;
- administration of contracts and reporting on the Project;
- monitoring and evaluation (M&E).

PIU MoF implements Components 1, 3 and 4 and is responsible for the implementation of the Project, in general.

Component 2 will be implemented by two sectoral Ministries and the Agency.

Sub-component 2.1 is implemented by the PIG under the Ministry of Transport, and sub-component 2.2 is implemented by PMU under ALRI.

1.4. Goals and objectives of the report

This consolidated report covers the first half of 2021 under the Project “STRENGTHENING CRITICAL INFRASTRUCTURE RESISTANCE AGAINST TO NATURAL HAZARDS”.

The report reflects the status of implementation of the Project components, including construction and restoration work and compliance with environmental and social requirements, gender issues and citizen engagement.

II. CHAPTER II. PROJECT IMPLEMENTATION PROCESS

2.1. Component 1. Strengthening Disaster Risk Management Capacity.

The first steps have been taken to implement the first component of the project, the responsibility of the PMU MF and to strengthen the capacity of the Government in the area of DRM through selected activities.

Subcomponent 1.1. Modernizing the Crisis Management Centers and Systems for Improved Disaster Preparedness.

Within the framework of the Project between the State Institution "Project Implementation Unit Access to Green and Rural Development Finance" under the Ministry of Finance of the Republic of Tajikistan and the Company (Consolidated Consultants for Engineering and Environment (Consolidated Consultants Group – Jordan)) on December 14, 2018 signed a Contract on consulting services for the preparation of detailed design and tender documents for the National Crisis Management Center (NCCM), technical specifications for ICT equipment and Mobile Command and Control Vehicles (MCCV).

During the reporting period, the Consortium Companies from Jordan and Tajikistan completed the design of NCMC building. The Consortium Companies from Jordan and Tajikistan submitted to the MoF PMU a final report on the completion of the design of the NCMC building. The submitted final report the MoF PMU was reviewed and accepted.

Based on the concluded contract, the JV Jordan and Tajikistan developed a detailed project for the construction of the NCMC building and prepared a technical specification for the building itself (ITC) equipment, mobile command communication complexes, as well as BD for holding a tender for the procurement of construction works.

To determine the impact of the Project, the specialists of the PIU of the Ministry of Finance for the NCMC building prepared the Report " Environmental and Social Impact Assessment" during the creation of the National Crisis Management Center in Dushanbe, Republic of Tajikistan" (April, 2020), which includes the Environmental Protection Plan and this document is included to tender documents for the NCMC building [Link to greenfinance.tj](http://greenfinance.tj) - <http://greenfinance.tj/pages/138>

[Direct link to the document - https://cloud.mail.ru/public/4p5e/5AgaMsX3L](https://cloud.mail.ru/public/4p5e/5AgaMsX3L)).

All documents were approved by the WB.

The PMU on the basis of the prepared BD held the first round of the tender for the selection of a construction company (in two rounds). In the second round of the tender, which took place on 23/07/2020, 8 companies participated and the “Nuzam” Company was named the winner. CRP MF on October 26, 2020 signed a contract with “NUZAM” LLC of the NCMC building. (contract № SCINHP/NCB-W-01).

Contract data for the construction of the building “NCMC” building

Client	Ministry of Finance of the Republic of Tajikistan
Name of Project	Strengthening Critical Infrastructure Against Natural Hazards Project
Financing	World Bank (IDA 6089-TJ/IDAD2050-TJ)
Contractor	LLC “Nuzam”, Republic of Tajikistan
Supervising Company	CCG (Jordan), sub-consultant of LLC “Tarroh” (Tajikistan)
Contract Signature Date	October 26, 2020
Start Date	February 1, 2021
Date of completion	February 1, 2022
Scope of Contract	Area of the building: 1500 m ² Number of floors: 3 floors + a basement
Contract Amount	20,949,077.75 somoni

Contractor's Personnel:

Engineer-3 persons
Workers -15 people
Medical worker - 1
Cleaning lady – 1

2.1.2. Construction works. Construction work began on February 01, 2021. The contractor mobilized workers and equipment. Dismantled and demolished the existing structure. A temporary office has been built for the engineering and technical personnel of the Customer, the cooker, his specialists and staff, for assembling of temporary auxiliary buildings and structures. warehouses and a shed for the equipment of rebar bending.

During the reporting period, the Contractor carried out earthworks, excavation of a foundation pit, a ground pad for the foundation pit, prepared a concrete pad, and reinforcement of the pad.

The scope of performed work by the Contractor for the reporting period according to the Calendar Schedule approved on May 28, 2021 shall be **11.17%** of **100%** of the scope of work of the Contract.

For the reporting period, the volume of performed work according to the schedule is **6.95%** of **11.17%**.

Lag: - 4.22%

Past time: **149/365** days (**40.82%**)

Remained Time: **216/365** days (**59.18%**)

The main reason for the lagging of work from the schedule is the poor organization of the Contractor's work on the construction site:

- the facility has been not provided with the necessary building materials in a timely manner (fittings of different diameters, waterproofing materials, waterstops, reinforcement clamps to provide a protective layer of concrete, etc.). Repeatedly by our side, we have given recommendations and requirements to the Contractor for the timely delivering of the necessary materials to the construction site.

- the Contractor does not have a clear **monthly schedule** for certain volumes of work;

Based on the abovementioned, the Contractor was recommended to draw up **monthly work schedules**, taking into account the lost time and **timely delivering of all the necessary building materials to the construction site** and equipment for the construction work.

Procurement of ICT equipment.

Over the past six months, for the procurement of ICT equipment for NCMC CoES of the RT, the work was carried out to agree and approve, with all stakeholders, the final version of the Technical Specifications for equipment of the NCMC building and the mobile command and communication vehicles.

The technical specifications have been revised to better equip the NCMC.

At the moment, the Technical Specifications have been agreed with the World Bank, the CCG Consulting Company, the Ministry of Finance and the CoES of the Republic of Tajikistan, tender documents have been prepared and a Request for Expressions of Interest in the acquisition of ICT equipment and mobile command centers has been published.

- No. SCINHP / G-ICB-1 “Procurement and Installation of ICT Equipment for NCMC”;
- No. SCINHP/G-ICB-2 “Procurement of Mobile Command Centers and Communication Vehicles”

It is expected that by August 26, we will receive all commercial offers from the bidders and the process of selecting an equipment supplier will begin.

(Environmental and Social Safeguard Measures, please see in Chapter 5)

2.2. Subcomponent 1.2. Construction works. Seismic Hazard Assessment for Improved Disaster Risk Identification.

For the implementation of this subcomponent for the supply of seismic stations by the PMU, on the basis of a tender, a contract was concluded with LLC RPC “Vulkan” (Russia), hereinafter supplier. LLC RPC “Vulkan” on the basis of the technical specification of the concluded contract, the Supplier supplied seismic stations and equipment for the Institute of Geology, Earthquake Engineering and Seismology of the Academy of Sciences of the Republic of Tajikistan (IGEES AS RT) and also trained the IGEES personnel.

The Institute of Geology, Earthquake Engineering and Seismology of the Academy of Sciences of the Republic of Tajikistan (IGEES AS RT), using the hardware and software purchased under the Project, has begun conducting a national probabilistic assessment of seismic hazard (PASH) for Tajikistan. IGEES has completed the process of agreeing the assessment results with its scientific and technical council and the development of seismic hazard maps in acceptable formats for their possible use within the framework of new seismic-resistant construction standards.

IGEES AS RT, using the supplied stations and equipment, obtain reliable data and conduct a probabilistic assessment of seismic hazard on the territory of Tajikistan and, based on the results of the national probabilistic assessment of seismic hazard, create maps of the seismic microzoning of Dushanbe and the adjacent zone.

The problem hindering the implementation of subcomponent 1.2.

During April-June 2020 it was planned to complete the rest of the field work, but due to the coronavirus pandemic, the work was not completed. There is still an agreement with Professor Hans B. Havenith from the University of Liege, Belgium to conduct a 2-week training at the University of Liege on the processing of the results obtained after the opening of borders.

This training must be completed, since for 2021-2025, the Institute has announced a budget topic "Seismic hazard assessment of the territories of the cities of Tajikistan" (the cities of Khujand, Kulob and Bokhtar), in the implementation of which the obtained seismic stations will be used.

A specialist from the IGEES AS RT must have a two-week training in Belgium.

As noted in the Bank's April 2021 Mission Aid Memoir, the Institute of Geology, Earthquake Engineering and Seismology (IGEES) needs to be supported by training its individual staff in data processing abroad. Unfortunately, so far, due to the pandemic and travel restrictions for an employee of the institute in the context of the COVID-19 pandemic, there is no such possibility. For this reason, processing of the data obtained during the study is not yet possible.

2.3. Subcomponent 1.3. Preparation of a Financial Protection Strategy for mitigating fiscal shocks caused by natural disasters

The strategy was developed on the basis of the National Development Strategy of the Republic of Tajikistan for the period up to 2030, which defines the main directions for achieving the Sustainable Development Goals in Tajikistan, meeting the development challenges outlined in this strategy and strategy priorities, as well as in accordance with the new approaches of the world community to financial disaster risk management. The prepared "Strategy" is aimed at increasing financial resilience to natural disasters and follows the guidance of the main international agreements in this area, first of all, the Sendai Framework for Disaster Risk Reduction for 2015-2030 (hereinafter the Sendai Program).

The purpose of the "Strategy" is to increase the financial sustainability of the Republic of Tajikistan to natural disasters, improve the practice of managing unforeseen liabilities caused by disasters and associated financial risks. The "Strategy" considers such unforeseen obligations in a comprehensive manner, based on the principles of improving existing financial instruments as well as introducing new pre-prepared financial instruments.

The Project Implementation Unit together with representatives of key Ministries and departments of the Republic of Tajikistan, created a Working Committee for preparing this "Strategy". The Working Committee developed materials for the preparation of a Financial Protection Strategy to mitigate fiscal shocks arising from natural disasters. The prepared version of the "Strategy" of financial protection to mitigate fiscal shocks arising from natural disasters was submitted by the Working Group for consideration and agreement to key Ministries and departments.

After receiving the proposal and additions to the submitted "Strategy" from the relevant key Ministries and departments, the Working Group, taking into account the proposals submitted by representatives of Ministries and departments, by December 2019 developed the final version of the "Strategy". Currently, the developed final version of the "Strategy" has received approval from the Ministry of Finance of the Republic of Tajikistan, and from other key Ministries and departments of the Republic of Tajikistan, the presented "Strategy" is under consideration and approval.

In parallel, taking into account the proposals of the interested Ministries and departments, the local consultant has developed a draft Resolution of the Government of the Republic of Tajikistan "On Approval of the Strategy", a draft Decree of the President of the Republic of Tajikistan "On the establishment of a Coordination Council for the implementation of the" Strategy ", a draft "Regulation on the Coordination Council for the Implementation of the Strategy "

In January 2021, the Ministry of Finance sent a package of documents on the Strategy for approval to the Ministry of Justice of the Republic of Tajikistan. Unfortunately, the Ministry of Justice, by its letter of February 8 and at the re-consideration on April 22, 2021, referring to Article 9 of the Law of the Republic of Tajikistan "On State Forecasts, Concepts, Strategies and Programs of Social and Economic Development of the Republic of Tajikistan" recommends that the name and implementation period of the Strategy be changed. Article 9 of the above-mentioned Law states that the State's social and economic strategies were to last at least 15 years, although the MoJ gave its approval for the «National Strategy of the Republic of Tajikistan for Disaster Risk Reduction 2019-2030» which is designed for 11 years. In addition, the Ministry of Justice proposes that the «Strategy for Financial Support in Natural Disasters in the Republic of Tajikistan until 2031» be included as an integral part of the above-mentioned National Strategy. At this stage, the document is being considered by the Working Group and will be resubmitted.

Problems hindering the progress of implementation of the subcomponent 1.3.

Due to the rotation of the concerned Ministries and department that were part of the Working Group in the implementation of this subcomponent on the preparation of the “Financial Protection Strategy to Mitigate Fiscal Shocks Resulting from Natural Disasters” and due to the COVID-19 pandemic, the final review and approval of the final version of the "Strategy" by key Ministries and departments is drags on.

The activities of subcomponent 1.3 of Component 1, of the Project are achievable in the current and ongoing COVID-19 crisis.

2.4. Component 2. Making Critical Infrastructure Resilient against Natural Hazards.

Subcomponent 2.1. Strengthening bridges, general information on the implementation of sub-component 2.1 (total cost 19.64 million US dollars). Sub-component is implemented by the PIG under the Ministry of Transport.

The purpose of this subcomponent is to restore 17 destroyed bridges in the regions of GBAO and to ensure uninterrupted guaranteed auto communication between jamoats and villages, districts of the central administration of GBAO and the capital of the Republic of Tajikistan, Dushanbe. The project is being implemented in Vanj (8 bridges), Rushan (3 bridges), Murgab (4 bridges) and Darvoz (2 bridges).

Implementation of subcomponent 2.1

Procurement

All procurement (office equipment and furniture for PIG, office renovation for PIG, 1C accounting software, procurement and training of PIG specialists, consulting services for this project), are carried out in accordance with the procurement plan, in accordance with the approved procedures of the World Bank. The contract for the supply of computers and office equipment for the office of PIG consultants was signed on November 14, 2018.

Within the framework of the project, the PIG under the Ministry of Transport was supplemented with 6 (six) individual consultants, including: 1) a financial management consultant; 2) a procurement consultant; 3) consultant of the project engineer; 4) a social consultant; 5) a translator's consultant; and 6) an environmental consultant. The selection of all consultants according to the World Bank procedures was completed by November 1, 2018.

The current Project provides for the implementation of this subcomponent through two large Lots – one for construction and one for consulting services:

- procurement of construction works "Rehabilitation of 9 bridges in Vanj and Rushan districts of GBAO". SCINHP / W-ICB-01 package;
- procurement of construction works "Rehabilitation of 9 bridges in Murghab, Darvaz and Rushan districts of GBAO". SCINHP / W-ICB-02 package; and
- procurement of consulting services for the supervision of construction works.

The contract № SCINHP / W-ICB-01 for the construction of 9 bridges in Vanj and Rushan districts of GBAO was signed with the China Corporation for the Construction of Roads and Bridges on October 9, 2019.

After receiving the approval of the WB and on behalf of the GoT RT for the redistribution and reduction of the volume of restored bridges for the second Lot, the corresponding request was sent on December 6, 2019 to the World Bank.

WB approval was obtained for the reduction of the project volumes and for the conduct of contract negotiations with a participant who, in essence, meets the qualified requirements and offered the lowest estimated amount.

Thus, after passing all the necessary stages for the procurement of construction works, for Lot 2, the SCINHP / W-ICB-02 Contract for "Construction of 9 bridges in Murghab, Darvaz and Rushan districts of GBAO" was signed on January 16, 2020 with China Road and Bridge Construction Corporation (China Road and Bridge Corporation).

The contract with the consultant, the Korean company Donsung Engineering Co., LTD, in subconsultation with Vali LLC (Republic of Tajikistan) was signed on May 15, 2019. The contract award notice was published on the website of the Ministry of Transport and on the Development Business website through the STEP system on May 21, 2019.

Key project indicators (according to the Ministry of Transport)

In the first half of 2021, as part of the implementation of this Project, a virtual mission of the World Bank team was organized with the participation of the project management from the Ministry of Transport and PIU consultants to review the progress made in all components, assess the performance of safeguard measures, disbursement of funds, fiduciary indicators and monitoring the results of the project.

On April 19, 2021, a virtual video conference took place. The following directions of the project implementation were considered and discussed - the issues of acceleration of all necessary measures within the framework of the current project. Issues of full mobilization on the part of the Contractor. Until the situation with the spread of the virus in China is fully stabilized, the Bank's mission team strongly recommends that local resources be involved in order to carry out all activities as planned.

Based on the results of discussions on the implementation of the subcomponent, the following decisions were made:

1. The Supervision Consultant to take strict control of the progress of construction work. Include in the monthly reports all the problems and the measures taken to fix them.
2. The Supervision Consultant, together with the Contractor, shall immediately consider and resolve the issue with the involvement of local specialists (engineering and technical personnel) to improve the quality of work and increase the progress of work in all areas of work.
3. The PIU Consultants, Supervision Consultant and the Contractor must strictly adhere to the observance of safety, labor protection and protection against the risk of infection with coronavirus infection.

Issues related to the implementation of all activities of the Project:

Based on the results of the last mission of the World Bank in April of this year, for the first half of 2021, the progress of the Project implementation, construction work and Project management are generally assessed as satisfactory.

Project activities:

Financial management by sub-component 2.1.

Table No. 1

Status of financial payments for the first half of 2021 (US dollars):

<i>Sourcesoffinancing:</i>	<i>The plan for 2021</i>	<i>Plan for 6 months of 2021</i>	<i>Financing and development for 6 months of 2021</i>	<i>% of completion for 6 months of 2021</i>
IDA Grant	6 244 520.00	3 446 450.00	1 884 407.41	54.68%
IDA Loan (credit)	1 000 000.00	0.00	1 429 577.21	142.95%
Total:	7 244 520.00	3 446 450.00	3 313 984.62	96.16%

Disbursement of funds since the beginning of the project (US dollars):

<i>Sourcesoffinancing:</i>	<i>Total amount of the project</i>	<i>Mastering from the beginning of the project implementation</i>	<i>% of completion since the beginning of the project</i>
IDA Grant	12 467 300,00	8 107 189.07	65.03%
IDA Loan (credit)	7 976 700,00	1 429 577.21	17.92%
Total:	20 444 000,00	9 536 766.28	46.65%

The state of financial management for the first half of 2021

On February 7, 2021, the interim financial report for the fourth quarter of 2020 was prepared and sent to the PIU of the Ministry of Finance of the Republic of Tajikistan for consideration and sent to the World Bank.

PIU prepares and submits its quarterly financial statements to the World Bank on time. On February 11, 2021, the Interim Financial report for the 4th quarter of 2020 was prepared and sent to the PIU of the Ministry of Finance. On May 14, 2021, the Interim Financial Report for the First Quarter of 2021 was prepared and sent to the PIU of the Ministry of Finance of the Republic of Tajikistan for review and submission to the World Bank.

There were no irrational uses of the Project's financial resources in the first half of 2021.

Bridge rebuilding process:

Contract data for LOT1 and LOT 2:

Customer	MT of RT
Name of project	Strengthening critical infrastructure
Financing	WB (IDA 6089-TJ/IDA D2050-TJ)
Contractor	China Road and Bridge Corporation
Supervision company	Dongsung Engineering Co., Ltd
Contract Signing Date	Lot 1 - 09 October 2019 Lot2 - January 16, 2020
Start Date	Lot1 - 09 December 2019 Lot2- April 20, 2020
Date of completion	Lot 1 - 08 June 2021 Lot 2 - 05 October 2021
Contract Volume	Lot 1 - Construction of 9 bridges in Vanj and Rushan districts of GBAO. Lot 2 - Construction of 8 bridges in Darvaz, Rushan and Murghab districts of GBAO.
Contract Amount	Lot 1-76,167,882.64 Somoni Lot 2- 95,793,107.73 Somoni (Local currency 10%, foreign currency 90%)

Construction and restoration work for Lot 1:

- **The main office building and laboratory in Vanj.**
 - The building of the main office and laboratory in Vanj is used by the Engineer and the Customer since June 30, 2020.
- **Bridge No. 1 (Vanj)**
 - Blasting operations have been carried out to remove a large rock / boulder from support A1 and a fragment of the broken boulder will be removed as soon as the equipment is ready for the next works.
 - Reinforcement and formwork work of the second part of the support A2 are in progress.
- **Bridge No. 2 (Vanj)**
 - Abundments and pile caps for supports A1 and A2 are made.
 - The concreting of the rear wall of the supports A1 and A2 has been completed.

- Steel piers(beams)will be delivered from Dangara factory in early July.
- **Bridge No. 3 (Vanj)**
 - The concreting of the retaining wall on support A2 has been completed.
 - Concreting of pile caps andabundments of supports A1 and 2 has been completed.
 - Backfilling of the retaining wall on support A1 has been completed.
 - Backfilling is in progress for the support and retaining wall on support A2.
 - Steel piers (beams) will be delivered from Dangara factory in early July.
- **Bridge No. 4 (Vanj)**
 - Concreting of transition slabs including reinforcement and formwork on supports A1 and 2 has been completed.
 - Preparation is underway for the last part (concrete 80mm thick) of the roadway and sidewalk slab, including waterproofing.
- **Bridge No.5 (Vanj)**
 - Concreting of the 1st part of the support bodyA1 and A2 has been completed.
 - Reinforcement and formwork work of the 2nd segment of the support body A1 and A2 are in progress.
- **Bridge No.6 (Vanj)**
 - The crushing plant continuously produces concrete material
 - Concreting of the 2nd segment of the support body A2 is completed.
 - The body of retaining wall No. 2 on support A1 has been concreted.
 - Preparation of the foundation and the body of the retaining wall on the A2 support is in progress.
- **Bridge No.7 (Vanj)**
 - The concreting of the roadway slab has been completed.
 - Concreting of the sidewalk slab including reinforcement and formwork on supports A1 and A2 has been completed.
 - Reinforcement and formwork for the sidewalk of the bridge is in progress.
 - Construction of an embankment and earthworks on the approach road is underway.
 - Excavation works and laying of stones are underway to protect the slope.
- **Bridge No.8 (Vanj)**
 - Concreting of the roadway slab including reinforcement and formwork completed.
 - Filling the gaps (voids) with concrete between stones on the upstream bank slopes has been carried out.
 - Reinforcement and formwork for the sidewalk of the bridge is in progress.
 - The device of the adapter plate and backfilling on the supports A1 and A2 are in progress.
- **Bridge No.9 (Rushan)**
 - Construction of reinforced concrete slabs along the approach road is underway.
 - Construction of concrete curbsbefore and after the bridge has been completed.
 - Hot asphalt paving for access roads will be completed by mid-July.

LOT 1 work status:

Implementation as per Plan:% (as per the amended schedule of the Contractor as of June 30, 2021).

Actual: 59.43%
Delay (backlog) (+/-) for today: -%
Elapsed time: 570/737 days (77.34%)
Time Left: 167/737 days (22.66%)
Extended until December 14, 2021.

Construction and restoration works for Lot 2:

- Construction of themain office building and laboratory in Rushan.
 - The building of the head office and laboratory in Rushan has been used by the Engineer and the Customer since October 07, 2020.
- Bridge No.10 (Murghab)
 - Concrete from the plant at Bridge No.10 is produced and delivered for the piling of Bridge No. 11.
 - Manufacturing of reinforced frames for piles is underway.
- Bridge No.11 (Murghab)
 - Manufacturing of reinforced frames for piles is underway.
 - The concreting of piles No A2 - 1, 2, and 6 has been completed.
 - The concreting of piles No. A1 - 3 was completed.
 - Drilling of piles No. A1-1 and 5 was completed.
 - Drilling of piles No. A1-4 is in progress.
- Bridge No.12 (Murghab)
 - Installation of a crushing and concrete plant near Bridge No. 12 is completed.
 - Drilling works on the piles of the bridge No. 12 will begin after the completion of the pile works on the bridge No. 13.
- Bridge No.13 (Murghab)
 - Earthwork for the pile excavation is completed.
 - Drilling works for piles are underway.
 - Concrete for Bridge No.13 will be delivered from the plant near Bridge No. 12.
- Bridge No.14 (Darvaz)
 - The bridge railing is being manufactured.
- Bridge No.15 (Darvaz)
 - Work is underway on the gabion mesh on both sides of the pipe.
 - Work is underway on the right-side gabion mesh.
 - Construction of support beams No. 2, 3, 4 and 5 is completed.
 - The construction of the pylon beam No.1 is underway.
 - Construction of a stiffener for the beam supports is underway.
- Bridge No.16 (Rushan)
 - The concreting of piles No. A2 - B, D and F and A1- A, D and F have been completed.
 - Drilling of piles No. A2-A and A1-B is in progress.
 - Each aggregate for concrete piles and structures is transported from Khorog.
- Bridge N.17 (Rushan)
 - Preparatory work continues.

Execution in terms of percentage for LOT 2:

According to plan: % (according to the revised Contractor's schedule as of 06/30/2021)

Actual: 40.07%

Delay (backlog) (+/-): -%

Elapsed time: 451/635 days (71.02%)

Time Left: 184/635 days (28.98%)

Extended until December 31, 2021

Details of the actual rehabilitated bridges for Lot 1 and 2.

(Construction of 17 bridges in GBAO)

Table No.2

No.	Bridge No.	Name and section of the road	River Name	Bridge length (meter)	District	The cost (in somoni)
LOT 1	1.	Vanj-Yazgulam	Yazgulam River	34.1	Vanj	9 934 271,27
	2.	Vanj-Yazgulam	Obi Andarbak River	19.1	Vanj	7 431 272,09
	3.	Vanj-Yazgulam	Obi Andarbak River	34.34	Vanj	8 684 374,31
	4.	VanjiBolo	Udob River	25.1	Vanj	5 778 538,79
	5.	ChkhokhRavganda	Obi Chkhokh River	13.2	Vanj	5 635 505,2
	6.	VanjiBolo	Udob River	62.1	Vanj	12 184 207,03
	7.	VanjiBolo	Obi Sed River	25.1	Vanj	8 186 399,29
	8.	VanjiBolo	Ardobak River	25.1	Vanj	5 883 407,08
	9.	Dushanbe-Kulob-Khorog-Kulma	Barrushondara River	19.1	Rushan	12 449 907,58
<i>Total for Lot 1:</i>				257,24		76 167 882,64
LOT 2	10.	Dushanbe-Kulob-Khorog-Kulma	Alichur River	58.2	Murghab	14 472 425,045
	11.	Dushanbe-Kulob-Khorog-Kulma	Kobrigen River, Boztere River	16.1	Murghab	6 348 869,565
	12.	Dushanbe-Kulob-Khorog-Kulma	Okbaytal River	16.1	Murghab	7 752 575,075
	13.	Murghab-Osh	Eastern Pshart River	16.1	Murghab	7 613 260,135
	14.	Dushanbe-Kulob-Khorog-Kulma	Yakhchipun River	32.6	Darvaz	9 484 529,485
	15.	Dushanbe-Kulob-Khorog-Kulma	Guldara River	36	Darvaz	23 737 116,985
	16.	Rushan-BartangGudara-Muzkul	Bartang River	62.1	Rushan	12 100 890,065
	17.	Rushan-BartangGudara-Muzkul	Bartang River	62.1	Rushan	14 283 441,375
<i>Total for Lot 2:</i>				299,3		95 793 107,73
<i>Total for Lots 1 and 2</i>				556,54		171 960 990,37

Problems hindering the progress of implementation of the subcomponent 2.1.

Despite the progress in the rehabilitation of bridges, there are still some problems at the sites that interfere with the work. Taking into account the existing shortcomings the PIG recommended:

Construction works:

1. The Supervision Consultant has loosened control over the increase in progress of construction works by the Contractor.
2. The Supervision Consultant does not show due persistence in 100% mobilization of construction machinery and equipment, as well as 100% mobilization of the Contractor's specialists. The spread of the pandemic should not be the main reason for not fully mobilizing the above facts.
3. The Supervision Consultant does not have a clear picture of the stages of completion of the bridges and does not indicate his forecasts in the monthly construction progress reports.
4. The Supervision Consultant supervises all the specified issues, but this is not enough for the successful completion of all the planned initial terms of construction work.
5. By its side, the Contractor also does not show due persistence in accelerating construction work, in carrying out full mobilization of construction machinery and equipment, as well as in full timely mobilization of specialists. As can be seen from the results of all work over the past time, the Contractor does not have strong executive discipline and there is no control and supervision by the management of the Contractor, which are located in the PRC.

Institutional support

The following local consultants were hired by PIG MT on a contract basis to provide technical support and resolve issues on social and environmental aspects, provide advice and recommendations:

1. Safarov Dilshod – Social Safeguard Consultant;
2. Avzalshoev Bakhtiyor - Consultant on Environmental Issues.
3. Nizomiddinov Bakhtiyor – Monitoring and Evaluation Consultant (from June 1, 2021)

(Information on Social Safeguard Measures, see in the Chapter V)

2.5. *Subcomponent 2.2. Strengthening flood and river bank protection infrastructure. (Total value \$17.5 million)*

The report was prepared on the basis of activities carried out under Sub-component 2.2. "Strengthening flood and river bank protection infrastructure" and covers the period of January 1 till July 30, 2021.

2.5.1. Brief information about the subcomponent 2.2.

Republic of Tajikistan	
Title of the Project	<i>Strengthening Critical Infrastructure Against Natural Hazards Project (SCINHP)</i>
International Development Association (IDA)	
Project ID: P158298	
Financing	<i>GRANT NO. D205-TJ CREDIT NO. 6089-TJ</i>
Approval by the WB Executive Directors Board	<i>July 10, 2017</i>
Date of signing the agreement	<i>August 15, 2017</i>
Effective date	<i>February 8, 2018</i>

Project closing date	<i>December 31, 2023</i>		
Subcomponent 2.2.	"Strengthening the flood and river bank protection infrastructure"		
Executive agency	<i>Agency for Land Reclamation and Irrigation under the Government of the Republic of Tajikistan (ALRI under the GoT).</i>		
Implementing agency	<i>Project Management Unit Fergana Valley Water Resources Management (FVWRM)</i>		
Project implementation zones:	Kulob city, Vose, Kabadiyan		
Category of the Project (EE)– “B”			
Total cost of subcomponent 2.2.:	17.5 million (\$ USD)	Disbursement of funds as of September 01, 2021	USD \$11,26 million (65%)
WB mission to support the Project implementation	<i>April 8-24, 2019</i>	Evaluation of WB mission on component 2.2.	<i>Satisfactorily</i>
	<i>September 10-19, 2019</i>		<i>Satisfactorily</i>
	<i>April 20-24, 2020</i>		<i>Satisfactorily</i>
	<i>September 14-25, 2020</i>		<i>Satisfactorily</i>
	<i>April 19-23, 2021</i>		<i>Satisfactorily</i>

Project development goals

- ❖ Strengthening the capacity of the Recipient in disaster risk management;
- ❖ Increasing the resilience of critical infrastructure to natural disasters;
- ❖ Enhanced ability to respond to natural disasters.

2.5.2. Project implementation zone

The SCINHP implementation zone under the Subcomponent 2.2. "Strengthening flood and river bank protection infrastructure" includes the destroyed flood protection infrastructure of Say Dahan and the basins of the Kyzylsu, Yakhsu and Kafirnigan rivers. Project activities cover 4 districts of Khatlon region: Kulyab, Vose, Kabadiyan and Shaartuz. The most frequent natural hazards in the project areas are floods and mudflows, the destructive actions of which are an integral part of a major problem for the country's economy, social and natural environment. Every year, floods and mudflows occur in the spring, after heavy rains, gradually destroying the riverbanks.

The main objective of Subcomponent 2.2. is to carry out restoration bank protection works at the selected project sites.

The rehabilitation measures of the Project are aimed at preventing the destruction of the coastline by flood waters, protection from flooding of irrigated lands, the territory of settlements and the preservation of the ecosystem in the project implementation zone.

Restoration sites

To carry out bank protection works under Subcomponent 2.2. 5 flood protection sites were selected to be restored. In the course of the implementation of the measures, a new site was additionally added, located in Vose district, next to the village of Kaftarkhona.

At the moment, the total length of coastal protection structures to be restored is **L = 27.54 km**, including:

- Kulyab zone - **L = 11.8 km**;
- Bokhtar zone - **L = 15.74 km**.

Of them:

- **20.74 km** - construction of new dams (dams, which were completely destroyed after the mudflows);
- **6.8 km** - restoration of dams (dams, which were partially destroyed during the mudflows).

Including by districts:

Kulyab city - bank protection of **4, 5 km of the dams:**

- Yokhsuchiyon village - 895 m;
- Khoja Iskhok village - 649 m;
- Zargala village - 1 347 m;
- Airport zone - 1636 m, cleaning the bottom of the say - 1547 m.

The restoration site is located on the say Dahana, in the jamoats of Ziraki and Dahana.

Vose district - bank protection of **7.3 km of the dams:**

- Mekhrobod (Kurbonshahid) village and Chavrez-1 - 1025 m. (Sariparom sites and the confluence of the Kyzylsu and Yakhsu rivers);
- Shobika, H. Kurbonov (Larhobi), Ittifok and Khoja-Galton villages - 5 490 m;
- Kaftarkhona village - 735m.

The sites of restoration work are located in the jamoats of Tugarak, A. Avazov, Guliston, M. Vaysov and H. Rajabov of Vose district.

Kabadiyan district - bank protection - **15, 74 km, of which:**

- construction of new dams - 10.63 km;
- restoration of existing dams - 5.11 km.

2.5.3. Procurement by subcomponent 2.2

Procurement activities for Subcomponent 2.2. governed by the World Bank Procurement Rules for Borrowers and on the basis of the Financing Agreement (August 15,2017). Specialists / consultants have been contracted to strengthen the internal capacity of the PMU / ALRI.

In accordance with the procurement plan, tenders are being held to select contractors to perform bank protection works. As of July 01, 2021. PMU /ALRI has signed 8 contracts with contractors for construction and restoration works. On 4 contracts, the work has been completed(Kulyb zone), and the implementation of other four contracts (Bokhtar zone) are being continued.

The process of tracking exchanges and updating the data of the STEP system is carried out on an ongoing basis.

The accounting system is maintained on a cash basis using the 1C software. Adequate regular internal controls are carried out over the main operating expenses. Interim financial reports are submitted to the PIU/MoF for consolidation. The detailed information on the status of the implementation of contracts for and its financial part is given below, **in table No.3**.

Subcomponentr 2.2. **Status of implementation of contracts**

Table No.3

Title of the site/contract	Brief description of the site	Contractor start/date of the completion of the contract	Allocated budget (USD)	Contract price (USD)	Disbursed as of September 01, 2021 (USD)	(%) completion status
1	2	3	4	5	6	7
Site No.4 SCINHP- NCB-005	<i>Kabadiyan district, Kafernigan river - 3383 m.</i>	LLC "Simo company" start date: February 10, 2020 Completion date: December 31, 2021	2,360,000.00	2,349,755,74	1 853 145,9	Completed 100%
Site No.4 SCINHP- NCB-CW- 006	<i>Kabadiyan district, Kafernigan river - 4210.5 m. (3191.5 m. new + reconstruction of 1019 m.)</i>	OJSC "Tajik Hidroelectromontaj" Start date: April 13, 2021 Completion date: December 31, 2022	2 404 000	2 491 225,80	290 326,76	12% going on
Site No.4 SCINHP- NCB-W- 007	<i>Kabadiyan district, Kafernigan river - 5572,0 m. (1479,8 ., new + reconstruction of 4092,2 m.)</i>	JV LLC "Mehri Khatlon, Dehoti Nav and Akso" Start date: May 14, 2021 Completion date: June 30, 2022	2 500 000	2 471 467,07	337 048,53	14% going on
Site No.4 SCINHP- NCB-W- 008	<i>Kabadiyan district, Kafernigan river . 2572,3 m., new dam</i>	LLC "Zumrut" Start date: December 18, 2020 Completion date: March 20, 2022	1 761 000	1 767 557,55	505 724,75	29% going on
Свод	Bokhtar zone Total length: 15 740 m. (10 626 m., new + reconstruction of 5 113m.)		9 025 000	9080006,16	2986245,94	33%
Total for the Kulyb and Bokhtar zones				17 145617	10 936486	64%
Project management		Start date December 18, 2018 Completion date December 20, 2023			324139,42	
TOTAL FOR THE PROJECT					11 260625	

2.5.4. Disbursement of Project funds under the subcomponent 2.2.

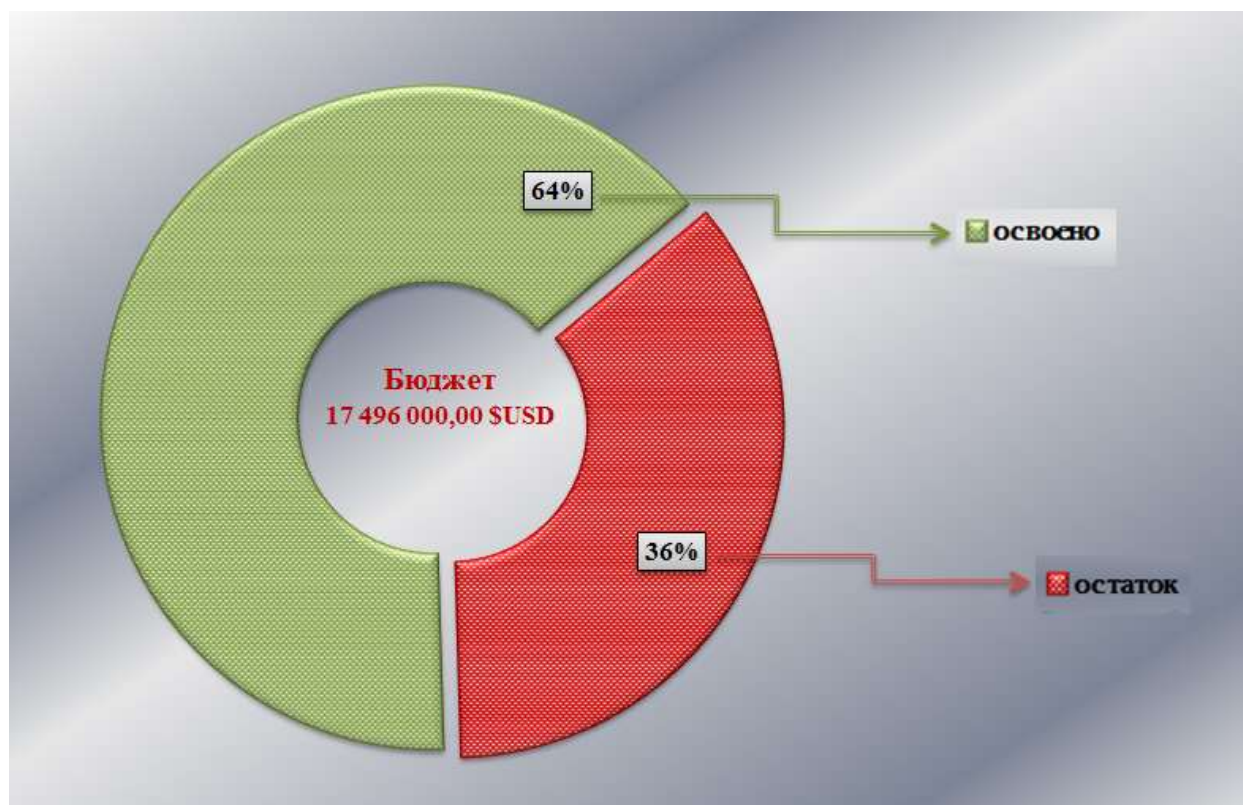
To implement the project activities under Subcomponent 2.2. "Strengthening flood and river bank protection infrastructure" allocated funds in the amount of USD \$16.8 million. During the implementation of project activities, additional funds in a amount of \$676.6 thousand USD were allocated for the restoration of a new site in the Vose district.

Disbursement of funds on subcomponent 2.2., as of July01, 2021

Table No. 4

No	Sources of Financing	Disbursement of funds, \$USD		Percentage
		01/01/-01/07/2021	from the beginning of the implementation of the subcomponent until July 01, 2021.	
1.	Grant No. D205-TJ (IDA)		7 673 882.22	100
2.	Credit No.6089-TJ (IDA)	1 795 249.43	2 680 411.76	27,07
Total:		1 795 249.43	10 354 293.98	

*The exceeded disbursement rate for the grant is related to the change in the USD / SDR exchange rate.



2.5.5. Implementation of Subcomponent 2.2.

Kulob Zone

Bank protection, construction and restoration work has been completed at four target sites in Kulyab zone. The sites were transferred to local water management organizations for operation and further maintenance. In accordance with the observations and recommendations of the WB specialists (letter dated on May 28, 2021), the district **GUMI** at the sites No.2 and No.6 of the Vose district was cleared of vegetation.

Bokhtar zone

Site No.4, Qabodiyon district, Bank protection works on the Kafirnigan River.

After the tender activities, restoration works are being carried out on all the Project sites No.4 of Kabadiyan district. The total length of dam construction is **15.74 km**, of which:

- construction of new dams - 10.63 km;
- restoration of existing dams - 5.1 km.

Site No. 1, (NCB-006) is located on the left bank of the Kafirnigan River, in U. Nazarov jamoat. The total length of the site is **3,383m**. taking into account the restoration of the reset of the Katta channel. On a length of **3,383 meters**, by the contractor LLC "Simo Campania" completed installation work on the fastening of the embankments of the dams with reinforced concrete slabs "**2x1x0.2**". As of 07/01/2021, the volume of work performed to restore the length of the dam with the fastening of the slopes with concrete slabs was **95%**. At present, the residual planning works of the slopes and the top of the carriageway of the dam are being carried out. Also, the relevant documentation is drawn up for the holding of the working commission.

Site No. 2. Is located on the left bank of the Kafirnigan River, in E. Niyozov jamoat. The length of the site is **$L = 4210.1$ meters**, of which 3191.1 are the construction of new dams and 1019 are the reconstruction of existing ones. For **package NCB-006**, a tender procedure was carried out. The contract was concluded with the company OJSC "Tajikgidroelektromontazh". The term of the contract is from 04/13/2021 to 12/31/2022. The territory has been leased to accommodate the construction camp. At this stage, temporary premises for the working staff were built, a concrete unit was built for the preparation of concrete mixture, 4 units of construction machinery were transferred to the site: an excavator (1), a shovel (1), a dump truck (2). The workforce at the local level is involved to support work in the amount of 11 people, of which 1 woman is employed as a cooker. It is planned to carry out planning works, providing for cutting off the vegetation layer under the dam and transporting soil for the construction of the dam.



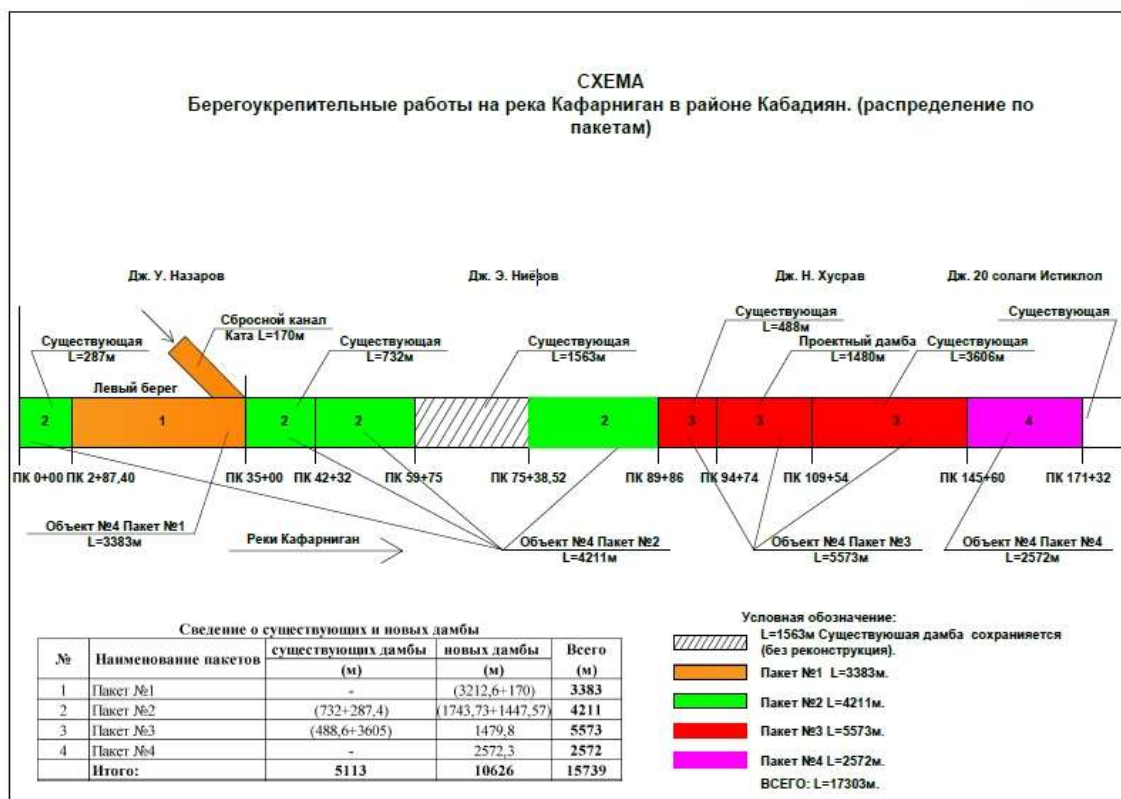
Site No. 3 is located on the left bank of the Kafirnigan River, in N. Khusrav jamoat. The length of the site is **$L = 5572.0$ meters**, of which 1479.8 m. - construction of new dams and 4092.2 m - reconstruction of existing ones. On **package NCB-007**, a contract was signed with LLC “Mehri Khatlon”. As of 07/01/2021 for organization of construction site, temporary living housing and warehouses were built, residential trailers were installed. Earth-moving and other construction machinery was transferred: a Hyundai excavator (2), a shovel (2), a bulldozer (2), concrete mixers (2), armature (30 tons). The company employs permanent technical workers. At the local level, 15 workers are involved in the construction, of which 2 women are employed for cooking. Currently, the contractor is carrying out preparatory work for the manufacture of reinforcing meshes for concrete slabs **$2 \times 1 \times 0.2$** . After the drop in the water level in the Kafirnigan River, it is planned to carry out earthworks.

Site No. 4. is located on the left bank of the Kafirnigan river, in jamoat 20 Solagii Istiklol. It is planned to build a new dam with a length of **$L = 2572.3$ meters**. The contract was concluded with the contracting organization LLC “Zumrut”. The term of the contract is from 12/18/2020 to 08/31/2022. As of **07/01/2021** the contractor performed the following works:

1. construction machinery was transferred to the construction site;
2. Reinforced concrete slabs were made in the amount of 759 pieces;
3. earthworks are underway from PK-145 + 59.6 to PK-154;
4. transportation of soil for the construction of a dam being made up to 1 km, in the volume of 26 thousand m³;

The detailed information on the status of construction work on sites in the Kulyab and Bokhtar zones is given below, **in Appendix No. 2.**

Figure 1. Layout of sites in Qabodiyon district



Monitoring and evaluation

For the successful implementation of the project and in accordance with the requirements of the Operational Manual, the PMU/ALRI has organized a monitoring and evaluation system.

On an ongoing basis, the M&E Consultant, within the framework of field visits to the project areas, monitors the sites to be restored. The main purpose of monitoring: tracking the progress and results of project activities, which includes the following:

- overseeing the progress of implementation and the quality of construction work;
- observance of conditions on environmental and social safeguards;
- monitoring of financial progress;
- analysis of the success of the project stages, including the analysis of target and intermediate indicators of the Project for Subcomponent 2.2.

At the bank protection sites, specialized engineers regularly supervise the performance of each contractor's work during the construction period and monitor the status of each completed project sites.

To analyze and evaluate the achievement of the project indicators, to identify the number of beneficiaries for Subcomponent 2.2., the collection, updating and systematization of data on the population located in the project area is carried out.

Reporting on the implementation of activities under the Subcomponent 2.2 of the SCINHP will be provided on a semi-annual and annual basis to PIU/MoF.

2.5.6. Design organization for subcomponent 2.2 LLC “Interproject”

During the reporting period, the design organization LLC "Interproject", on the basis of the concluded contract with the PMU, completed the design of 6 sites, the restoration and construction of bank protection structures and one head water intake structure on the Khoshodi canal in the Shaartuz district. After passing the state technical examination, all design and estimate documents were accepted by the PIU of the Ministry of Finance and approved by the WB. All design and estimate documents were submitted to the PMU under ALRI for bids for the selection of a contractor. LLC "Interproject" on the basis of the terms of the concluded contract will continue work on design supervision from the beginning of construction to completion.

Problems impeding the progress of implementation on subcomponent 2.2.

The problems associated with impeding the progress of the project implementation do not exist. The current problems that have arisen are resolved in a timely manner in the place.

(Information on Safeguards, see in the chapter 5)

2.6. Component 3. Contingent Emergency Response Component (CERC) (total cost is \$6 million US).

The objective of this component is to improve Tajikistan’s capacity to respond to disasters. An emergency eligible for financing is an event that has caused, or is likely imminently to cause, a major adverse economic and/or social impact to the Republic, associated with a disaster. Rapid disbursement will allow the GoT to request a reallocation of project funds to partially cover emergency response and recovery costs. This component will be triggered if:

- a. the Recipient has determined that an Eligible Crisis or Emergency has occurred, has furnished to the Association a request to include said activities in the CERC in order to respond to said Eligible Crisis or Emergency, and the Association has agreed with such determination, accepted said request and notified the Recipient thereof;
- b. the Recipient has prepared and disclosed all Safeguard Instruments required for said activities, and the Recipient has implemented any actions which are required to be taken under said instruments, all in accordance with the provisions of Section I.E of Schedule 2 to the Financing Agreement and the Recipient’s Coordinating Authority has adequate staff and resources, in accordance with the provisions of Section I.E of this Schedule 2 to the Financing Agreement, for the purposes of said activities.

This component could be used to reallocate project funds or channel additional funds to fully or partially replenish funds reallocated to the CERC should they become available due to an eligible emergency. The initial allocation of US\$6 million under this component is partially based on the imminent risks of floods, mudflows, and so on during the project implementation, that is 2018-2023.

Once triggered, the contingent funds can be mobilized following procedures in WB Policies on Rapid Response to Crises and Emergencies, which minimize upfront processing steps and the fiduciary and the safeguard requirements. Disbursements will be made against a positive list of goods, works, and services that are required to support the mitigation, response, recovery, and reconstruction needs of the Government. All expenditures under this component, should it be triggered, will be made in accordance with OP 10.00 and will be appraised, reviewed, and found to be acceptable to the IDA before any disbursement is made.

In accordance with OP 10.00, this component will provide immediate, quick-disbursing support to finance goods (positive list agreed with the Government), works, and services needed for response, mitigation, recovery, and reconstruction activities. Operating costs eligible for financing will include the incremental expenses incurred by the Government for early recovery efforts arising from the impact of major disasters.

Goods, works, and services under this component will be financed based on review of satisfactory supporting documentation presented by the government, including documentation of adherence to appropriate procurement practices for emergencies. All supporting documents for reimbursement of such expenditures will be verified by the Internal Auditors of the Government and by the Project Director, certifying that the expenditures were incurred for the intended purposes and to enable a fast recovery from the damage caused by adverse natural events, before the Application is submitted to the Association. This verification should be sent to the Association together with the Application.

Prior to and for the reporting period, this component was not implemented due to the fact that during the project from 2016 to 2019 in the territory of the Republic of Tajikistan has not occur unfavorable natural events and the budget of component was not disbursed and as a result the component budget was reallocated for financing the other activities of the components, following the priorities of GoT and approval of the World Bank in the next volume;

- A) For the Category No.1 - (Component 1 and Component 4.1) - 1 690 601 \$US
- B) For the Category No.2 – (Component 2.1 and Component 4.2) - 3 624 601 \$US
- C) For the Category No. 3 – (Component 2.2 and Component 4.3) - 676 601 \$US

2.7. Component 4. Project Management.

For the reporting period, coordination between the key stakeholders is critical to the development of tailored and cross-cutting solutions. The Ministry of Finance of the Republic of Tajikistan plays an integral role in overseeing coordination of the Project in cooperation with relevant interested parties from the point of view, the preparation of detailed design, procurement and delivery of equipment for implementation of the component, as well as activities on institutional strengthening.

For the reporting period, GoT ensured operations of the PIU MoF, the PIG MoT and the PMU ALRI and provide the above-mentioned structures with adequate staff, personel and consultants with the qualifications, terms of reference and functions, at all times, in a manner acceptable to Association.

In the reporting period the PIU MoF and other relevant government stakeholders, such as CoESCD and IGEES, were involved into the broader sectoral dialogue on strengthening the DRM and promoting sustainability of investments in this area, in close coordination with the Rapid Emergency Assessment and Coordination (REACT) team or National Platform on Disaster Risk Reduction (NPDRR).

The PIU MoF, in the reporting period implemented Component 1 (Strengthening of DRM Capacity) and Component 3 (Contingent Emergency Response), including procurement and safeguard-related aspects, with technical inputs and supervision from such relevant agencies as the CoESCD and IGEES, as well as the relevant departments within the MoF.

Provided general supervision and coordination in implementation of Component 2 of the project and consolidation of financial management (FM), consolidation of monitoring and reporting of component 2 (PIG MT and PMU ALRI)

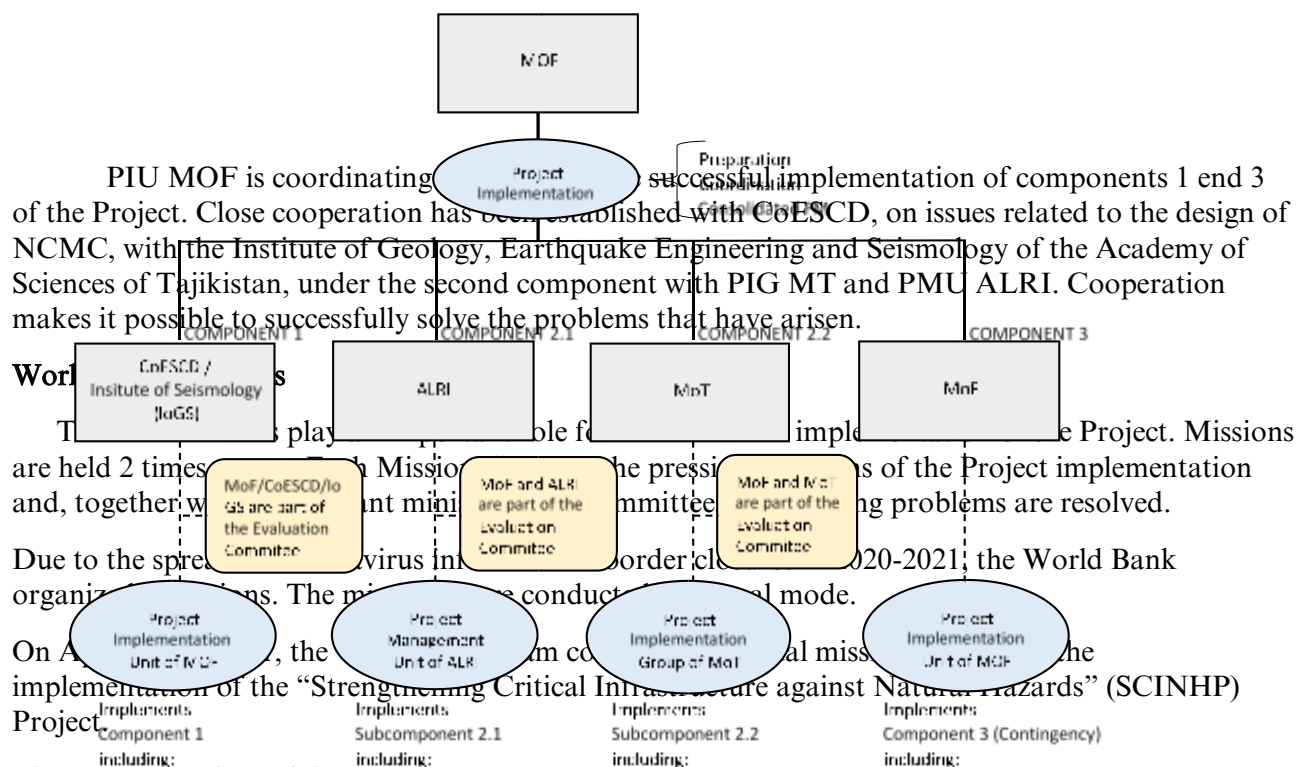
Subcomponent 2.1. of the Project’s Component 2 will be implemented by the PIG MoT with regard to activities related to the reconstruction of 18 bridges, provides guaranteed high-quality road connections between jamoats, districts and the administrative center of GBAO.

The PIG MoT RT will implement the subcomponent 2.1. of Project’s component 2 and will provide execution of activities related to the reconstruction of destroyed bridges and construction of new infrastructures for flood protection and provides guaranteed infrastructure along the riverbank and riverbank erosion prevention.

Both the (PIU and PMU) MoT and ALRI will be in charge of the procurement, FM, technical assistance and supervision, as well as safeguard-related aspects of their respective activities.

Diagram 1.

Project Management Structure



1. to review the overall progress made to date in the implementation of the Project;
- (ii) assess the overall performance of safeguards, payments, fiduciary indicators, personnel indicators, monitoring and evaluation indicators and provide relevant recommendations;

(iii) discuss new interventions and activities that expected to be considered under potential future funding opportunities;

(iv) agree on next steps to ensure smooth implementation of the Project Performance Assessment. *Estimates of the Project indicators.* Given the status of the implementation of the activities of the components, the disbursement of funds and the management of the Project in all IAs, as well as the obstacles associated with the global pandemic COVID-19, progress towards the achievement of the Project Development Goal (PCR) is assessed as **Satisfactory**.

At the same time, the Mission recommended to all three IA:

- Ministry of Finance. Project Implementation Unit under the Ministry of Finance,
- The Agency for Land Reclamation and Irrigation. Project Management Unit under the Agency for Land Reclamation and Irrigation,
- Ministry of Transport (Project Implementation Group under the Ministry of Transport), maintains and accelerates the pace of Project implementation.

III. Chapter III. Project Management and Implementation

3.1. Procurement

Within the framework of the Project, the procurement was carried out on the basis of the Requirement of the World Bank and the Procurement Plan. Since the start of the Project, all purchases have been completed on time. All consultants have been taken on the basis of the competition and the results of tenders have been agreed with the World Bank.

Were hired at the PIU MF:

Project Coordinator -S. Kuchakshoev

Environmental Consultant - S. Niyatbekov

Social Safeguard Consultant- Valiev M.

Construction Consultant – Karimov S

Information Technology Consultant -Khokimov F.

For subcomponent 2, the procurement was carried out by the implementing bodies - PIG MT and PMU ALRI.

Table No.5.

Procurement of basic works and services

№ п/п	Comp.	Contract	Description of contract	Plan / fact	budget	Execution status
1.	1.2.	SCINHP/G-SH-1	Procurement of seismic stations for IGCCC	Plan	100 000	Completed 29/08/2019
				fact	59 132	
2.	1.2.	SCINHP/G-SH-2	Purchase of IT equipment including software for IGSSS	Plan	35 000	03.09.2018
				fact	34 217	
3.	1.1.	SCINHP/NCB-W-01	Construction of National Crisis Management Center in accordance with the approved design solutions and placement scheme	Plan	2.100 000	Performed
				fact		
4.	2.1.	SCINHP/W-ICB-01	Rehabilitation of bridges in Vanj and Rushan districts of GBAO	Plan	8 069 743	09.12.2020
				fact	8 069 743	In progress
5.	2.2.	SCINHP/CQS/2019-01	Detailed design of the Khoshadi canal section and field supervision in the Kurgan-Tyube zone	Plan	157 000	October/ 2020
				fact	156 127	December /31/2022
6.	1.1.	SCINHP/QCBS-2017-01	Preparation of detailed design and tender documents for the National Crisis Management Center (NMC), technical specifications for ICT equipment and mobile communication systems command	Plan	430 000	November /25/2019
				fact	496 913	January 31/2020

For component 1, procurement was carried out according to the Plan. There are some lagging behind the plan. For example, the preparation of detailed design and tender documents for the National Crisis Management Center (NMC), technical specifications for ICT equipment and mobile communication complexes was completed one year later than the target date.

Contracts with existing employees entered into the electronic STEP system;

The process of tracking exchanges and updating the data of the STEP system is carried out on an ongoing basis.

3.2. Financial Management

During the reporting period, PIU MoF has financed the project in accordance with the financial plan. Funding under the Project Preparation Advance and Components 1 and 4.1. were spent by the PIU of the Ministry of Finance and were mainly directed to pay for the Feasibility Study for the construction

of 18 bridges in GBAO, the Feasibility Study for shore protection works in the Kulyab and Bokhtar regions, the purchase of office equipment and furniture for employees housed in the Ministry of Transport of the Republic of Tajikistan and the Melioration Agency and irrigation under the Government of the Republic of Tajikistan within the framework of an Advance for project preparation, purchase of heavy special equipment in the amount of 16 units and were transferred to the Ministry of Transport of the Republic of Tajikistan (9 units) and the Agency for Land Reclamation and Irrigation under the Government of the Republic of Tajikistan (7 units), purchase of computers, equipment and special equipment for the Institute of Geology, Earthquake-Resistant Construction and Seismology of the National Academy of Sciences of Tajikistan, design estimates for the and the content of the PUI MF.

Funds under Subcomponents 2.1. and 4.2. were used by the PIU MT and were mainly aimed at the construction of bridges in GBAO and the maintenance of PIU employees.

PIU ARLI has implemented Subcomponents 2.2. and 4.3. The funds were mainly used for bank protection works and maintenance of the PIU staff.

The expenditure of funds of the PIU MF from the beginning of the year as of June 30, 2021 is shown in tables No. 6.

Table No.6

Details of expenditures for the Project Components of "Strengthening Critical Infrastructure against Natural Hazards" as of June 30, 2021 (in USD)

No.	Components	Initially allocated budget	Reallocated budget	Actual expenses from the beginning of the project until 12/31/2020	%	Unused balance	%
1	Strengthening capacity on Natural Hazards risk management (estimated cost)	4 000 000	7 660 076	2 538 425,00	33,13	5 121 165,00	66,8
	Strengthening Critical Infrastructure against Natural Hazards	38 000 000	37 380 173,00	19 891 166,26	53,2	17 489 012,72	46,7
2.1.	<i>PIG MT</i>	<i>19 000 000</i>	<i>20 444 000,00</i>	<i>9 536 766,28</i>	<i>46,65</i>	<i>10 907 273,72</i>	<i>53,3</i>
2.2.	<i>PMU ALRI</i>	<i>19 000 000</i>	<i>16 936 179</i>	<i>10 354 293,98</i>	<i>61,2</i>	<i>6 581 886,00</i>	<i>38,8</i>
3	Contingent Emergency Response Component	6 000 000	-	-		-	
4	Project management	2 000 000	1 603 999	874 723,00	54,5	729 276	45,5
4.1.	<i>PIU MoF</i>	<i>666 667</i>	<i>564 159</i>	<i>354 575,00</i>	<i>62,8</i>	<i>209 584,00</i>	<i>37,1</i>
4.2.	<i>PIG MT</i>	<i>666 667</i>	<i>480 019</i>	<i>227 049</i>	<i>47,3</i>	<i>252 970</i>	<i>52,6</i>

4.3.	<i>PMU ALRI</i>	666 667	604 020	293 099	48,5	310 921	51,5
	Advance for project preparation		3 835 764	3 835 764	100	-	-
	Total	50 000 000	50 000 000	27140 006,26	54,28	22859 993,74	45,7

Disbursement of funds by the PIU MoF for the first half of 2021, on Component 1 and Subcomponent 4.1.

Table No.7

№	Financing sources	Plan	Actual	Remainingsum
1	Grant No. D205-TJ	1 643 952,70	416 088,43	9 860 000,00
2	Credit No.6089-TJ	-	-	2 200 000,00
	Total	1 643 952,70	416 088,43	12 60 000,00

3.3. Monitoring and evaluation

For the successful implementation of the project and in accordance with the requirements of the Operational management of the PIU MOF, PIG MT and PMU ALRI organized monitoring and evaluation system.

During the reporting period, the Consultant of PMU MoF. PIG MT and PMU ALRI during the field visits on project sites: monitoring of sites to be restored will be carried out. The main purpose of monitoring: tracking the progress and results of project activities, which includes the following:

- supervision on the progress of implementation and the quality of construction work;
- compliance with the conditions for social and environment safeguard;
- monitoring of financial progress.
- compliance with the implementation of GCC and SCC contracts by contractors

To analyze and evaluate the achievement of all project indicators, identify unresolved project issues and inform the PMU and PIG management about the problems and assistance in solving them.

IV. Chapter IV. Expected benefits of the components and subcomponents of the project

4.1. Component 1.

Subcomponent 1.1 Modernization of Crisis Management Centers and systems to improve disaster preparedness

The expected benefit from sub-component 1.1 of the project is to strengthen the capacity of the CoES and Civil Defense through the purchase of appropriate instruments and equipment and construction of the CMC building, which will be located in the national CMC building. Modernization of control system of centers, awareness raising, forecasting, planning and preparedness for natural disasters with subsequent strengthening of the Government's capacity to respond quickly and effectively to emergency situations.

Subcomponent 1.2. Seismic hazard assessment to improve disaster risk identification.

The expected benefit from sub-component 1.2 of the project is made through the acquisition of IT equipment and software to strengthen the capacity of the Institute of Geology, Earthquake Engineering and Seismology of the Academy of Sciences of the Republic of Tajikistan (IGEES AS RT) and in its turn, IGEES using the purchased hardware and software under the Project, conducts a National Probabilistic Seismic Hazard Assessment (PSHA) for Tajikistan.

IGEES AS RT, using the supplied stations and equipment, obtain data and conduct a probabilistic assessment of seismic hazard in Tajikistan and, based on the results of the national probabilistic assessment of seismic hazard, create maps of the seismic microzoning of Dushanbe and adjacent to it.

When creating a map of seismic microzoning of Dushanbe will be given appropriate reliable information about the seismic hazard of zones to design institutes. Using the information of the IGEES AS RT, design institutes in the development of design and estimate documentation for

residential, administrative and industrial buildings will take into account the recommendations of the IGEES AS RT, and at the end, the stability of the building to earthquakes and the reduction of destructive risks during natural disasters is ensured.

4.2. Component 2.

Subcomponent 2.1 Restoration of destroyed 17 bridges in the project areas will contribute to:

- Preventing of further destruction from mudflows and flood waters of bridges and coastlines;
- Safe guaranteed movement of vehicles and improvement of cargo transportation in remote villages, jamoats and regions of the republic;
- Providing temporary employment opportunities, during the construction period i.e. ensuring the level of employment (engaging local labor force) and population income;
- Usage of local goods and services during construction work (crushed stone, stone, sand, cement, gravel, food products, etc.);
- As a result of all of the above, poverty reduction in rural mountainous and valley areas of the project zones.

Subcomponent 2.2 Reconstruction and construction of 28,7 km of river protection infrastructure in project areas will contribute to:

- Guaranteed protection from flooding, erosion and degradation of adjacent irrigated lands, existing local infrastructure and settlements, preventing loss of homes and human lives;
- Improving the agricultural productivity of arable land, increasing their area, increasing land fertility and crop yields, increasing the income of farms and households;
- Providing temporary employment opportunities during the construction period i.e. ensuring the level of employment (engaging local labor force) and income of the population –
- Usage of local goods and services during construction work (crushed stone, stone, sand, gravel, food products, etc.);

V. Chapter V. Safeguards

5.1. Social and environmental impact of the project

In accordance with the policy of the World Bank, safeguard measures to protect the environment and social environment are provided for the implementation of project activities, which will be carried out on a permanent basis. The Project will be implemented on the basis of Environmental and Social Impact Assessment and Environmental and Social Management Plan. According to the Operational procedures of the World Bank, the Project belongs to category “B”.

The activities of the Project are regulated by the legislative and regulatory framework of the Republic of Tajikistan: articles of the Constitution of the Republic of Tajikistan, Civil Code of the Republic of Tajikistan, Land Code of the Republic of Tajikistan, Environmental Protection Act, the Law on State Ecological Expertise, which includes provisions on the process of conducting an Environmental Impact Assessment in Tajikistan, Environmental Monitoring laws, Atmospheric Air Protection, Environmental Audit, Industrial and Domestic Waste Management Law, Water Code, etc

World Bank Operating Procedures Involved.

According to the Operational Procedures of the World Bank, the Project is categorized as “B” with “Moderate” assessed risk and the WB's operational policy on safeguards is being activated: OP 4.01 "Environmental Assessment", OP 4.12 “Involuntary Resettlement”, OP 4.37 “Dam Safety” and OP 7.50 “Projects on International Waterways”.

GoT through MF PIU/MT PIG/PMU ALRI will ensure the implementation of the project in accordance with the relevant documents on safeguard measures, which are approved by the World Bank and listed above.

These documents cover the social and environmental aspects of the project and serve as the basis for the implementation of its social and environmental agenda in accordance with the requirements of the World Bank.

In order for local residents to understand the essence of the restoration work, the RPF (GRM as a separate brochure) were translated into Tajik language. In addition, a brief information about the Project was prepared in the Tajik language in the form of a brochure. These documents were printed and distributed to stakeholders in the field.

During the implementation of the Project, efforts were made to use the positive experience of public consultations held to discuss the document on safeguard measures. To provide feedback to the beneficiaries, along with the complaints officially received through various channels, a collection of opinions and suggestions from stakeholders was organized.

Reports and Plans for environmental and social protection were prepared.

Each of these documents identified the extent of the Project's environmental and social impact and prepared Environmental and Social Management Plans. Plans were included in the tender documents.

General socio-ecological elements

- temporary formation of dust and noise, shaking;
- temporary inconvenience on inter-farm roads;
- possible violations during the functioning of construction camps;
- soil and water pollution;
- possible risks to the health and safety of workers and local communities during construction work;

Social elements

- inflow of labor from outside and infringement of the interests of the local community in terms of employment opportunities;
- limited opportunities for ethnic minorities to access project benefits;
- the occurrence of disputes and misunderstandings.

Social and environmental aspects are closely interrelated with each other, in this regard, the work of the consultants is carried out in close coordination with each other. In their activities, consultants of the PIU MF/PMU MT/PMU ALRI use qualitative research methods - semi-structured interviews with key informants at the level of heads of district Khukumats, headquarters of emergency situations and civil defense, **WMOs**, representatives of jamoats, local communities, during which the necessary information is collected on project areas. Interaction is carried out on a regular basis, through field trips to the project areas and through mobile communications phony.

5.2. Resettlement issues and citizen engagement

During the preparatory phase of the Project, were held meetings and focus group discussions with communities. After the preparation of the Project, before starting the restoration work were conducted meetings and consultations:

- a) After the preparation of the design and estimate documentation for the construction of the NCMC, the consultants of the PIU MF held meetings with the beneficiaries and prepared the necessary documents.
- b) After the identification of restoration sites (bridges and dams), the Safeguard Specialists of MoF PIU SCINHP/MT PIG/AALRI PMU conducted meetings and consultations with the residents and leaders of local and district level. Besides, of this, they visited the PAPs and informed them of their rights under the project. They included an exchange of information on their rights to compensation and damages. They also agreed with the PAP and local authorities what assets would be required.
- c) After the completion of the inventory and assessment of assets (Component 2.1.), the Social Safeguard Specialists of the PIU MoF together with PIG MT presented and discussed the details with PAPs and the question of whether the inventory is accurate and acceptable to them.
- d) Upon completion of two RAPs (Resettlement Action Plans (Lot 1 and Lot 2,)) PAPs were provided with RAPs in accordance with the disclosure procedures described in the Resettlement Policy Framework (RPF).

Prior to the commencement of the sub-project, the amount of cash and in-kind (land) proposed for compensation was discussed and agreed with each eligible PAP for review and approval prior to the transfer of the asset being affected. Under the WB procedure, PAPs can file a complaint at any time using the redress mechanism process described in the RPF.

5.3. Risks and negative impacts of the Project:

Under component 1, concrete social and environmental risks is not expected.

Under Component 2, there are not significant social and environmental risks. The activities planned under the Project will have a more positive social and environmental impacts. Minor risks and impacts are associated with construction work and are temporary and related to the following:

- Temporary formation of dust and noise, shaking;
- Possible improper management of construction waste;
- Possible risks to health and safety of workers and local population during construction works;
- Temporary inconvenience on national and inter-farm roads.
- Laborinfluxfromoutside;
- Construction camps.

The negative impact of the influx of labour for construction can be reduced by involving local residents in the construction work. For the most part, the facilities for the restoration of bridges and riverbank protection structures are located outside the settlements, and can not directly affect the safety and health of the population. In order to manage risks and reduce the negative impact, Environmental and Social Management Plans have been drawn up, which will be included in the tender and contract documentation. Contractors during the construction period will strictly comply and fulfill the requirements and conditions of environmental and social management specified in the ESMP. During the construction period, the consultants of the PMU ALRI and PIG MT for compliance and fulfillment of the requirements of the ESMP carried out constant supervision.

In the period of Implementation of the subcomponent 1.1, 2.1. and 2.2 the social and environmental efficiency of the project will be monitored.

5.4. Implementation of Safeguards

Safeguards on component 1.1.

To assess the impact of the Project, the specialists of the PIU MoF for the construction of the NCMC prepared the Report on "Environmental and Social Impact during the construction of the National Crisis Management Center in Dushanbe city of the Republic of Tajikistan" (April, 2020), which includes an Environmental Protection Plan and was approved by WB.

Prepared documents:

1. Conducted research and assessment of the social and environmental impact of the project.
2. Environmental and Social Management Plan.

The plan was published on August 3, 2020 on the PIU MoF website: <http://greenfinance.tj/https://cloud.mail.ru/public/4Fit/4wu6VGZL3>. (Russian version, dated September 15, 2020). <http://greenfinance.tj/https://cloud.mail.ru/public/4p5e/5AgaMsX3L>(English version, dated August 3, 2020).

The following were also attached to the tender documents:

- The construction of the NCMC building which began on February 1, 2021.
- The consultants of the PIU MF together with the specialists of the Contracting Firm who are working on the observing the environmental and social safeguard measures at the facility.

Compliance with environmental requirements:

When dismantling the fountain, the builders at the construction site complied with all environmental standards. There were fruit-bearing trees in the same place, and according to the instructions they were dug up and replanted in another area.

To comply with environmental requirements, the Contractor installed special billboard-wall sheets at the construction site.

Social Activities:

From the first days of construction, we attracted the attention of the contractor to the following issues:

- Preparation of information board about the site;
- Compliance with safety precautions
- Creation of normal conditions for workers (provision of overalls, helmets, gloves, etc.)
- Installing a complaints and suggestions box;
- Compliance with the requirement for the prevention of infectious diseases (especially coronavirus).

In a short time, the Contractor established:

- Information board about the construction of NCMC;
- Safety Posters;
- The contractor provides all employees of the facility with special clothing, helmets, gloves.
- The Contractor has taken the necessary measures to prevent the spread of infectious diseases, especially COVID-19. A special poster is installed at the facility;

- The site is provided with the necessary sanitary means: antiseptics, detergents, protective masks;
- The contractor has entered into an agreement with a doctor to monitor the health conditions of workers at the site;
- Before starting work, the body temperature of workers is checked.
- Vaccination of all workers on the site.

5.5. Occupational health and safety

Component 1.1. To ensure labor protection and safety during the construction of the NCMC building, activities on labor protection of workers is being carried out, to comply with safety measures and health. In addition to safety posters, explanatory work is carried out and a safety journal has been organized. Before starting work, a conversation is held with new workers, after which the employees are allowed to start the work. Workers are provided with overalls, protective helmets and other protective tools.

All workers comply with safety requirements. During the reporting period, not a single case of injury was recorded at the site. There are no minors among the workers, and since the work is hard, women are not involved in the construction, except for a cooker and a cleaner.

The workers receive their wages on time.

5.6. Grievance Redress Mechanism

The facility has a special box for complaints and suggestions. All employees are familiar with the mechanism for handling complaints and other complaints from citizens regarding the construction of the NCMC.

During the reporting period, there were no complaints or suggestions.

Component 1.1. There will be no physical impact on the property of citizens, since construction is being carried out on the territory of the Committee for Emergency Situations and Civil Defense.

Subcomponent 2.1.

Social and environmental guarantees. In order to comply with social and environmental guarantees, PIG MoF together with PIG MT have prepared the following documents:

1. Social assessment report “strengthening critical infrastructure resistance against to natural hazards” march 7, 2017.
<http://file.tj/download.php?file=691%D1%EE%F6%E8%E0%EB%FC%ED%E0%FF%20%EE%F6%E5%ED%EA%E0.docx>.
2. Draft Resettlement Framework Document. March 7, 2017.
http://file.tj/download.php?file=609SCINHP_DRAFT%20RPF%20RUS.docx.
3. RESETTLEMENT ACTION PLAN
18 September 2019 at 07:14
<https://cloud.mail.ru/public/4NZ7/4MjFwJjP>

Implementation of Environmental Guarantees Measures.

An environmental impact assessment has been conducted and the relevant framework document has been prepared – "Environmental report for 18 bridges" book-5 (including for additional 9 bridges). Report was prepared by: DOHWA Engineering Co. Ltd in April 2018.

An Environmental Impact Assessment (EIA) Report and an Environmental Impact Management Plan (EIMP) with specific management plans prepared for each site to be rehabilitated under this project is fully cleared and approved.

The EIA contains a detailed description of the expected direct and indirect environmental impacts of the project during the main periods of its implementation and can serve as a guide to the application of measures and activities necessary to prevent or minimize negative environmental impacts associated with the implementation of the proposed project.

The EIMP section includes specific environmental impact management plans for each bridge structure, containing basic environmental information and highlighting environmental issues specific to individual sites and proposed measures with references to the provisions of the EIMP and other project documents. The document also includes detailed guidelines for the preparation of the SEIMP by the Contractors.

An integrated socio-environmental report within the framework of the “Strengthening Critical Infrastructure Against to Natural Hazards” Project is published on the website of the Ministry of Transport of the Republic of Tajikistan.

To manage risks and mitigate negative impacts, the Project prepared a Report on the Social and Environmental Impact of the Project. On the basis of the report, a Framework Document on Environmental Protection and Environmental and Social Management Plans (ESMP) were developed, approved by the WB and included in the package of contract documents of contractors, with which approaches were agreed on the implementation of protective measures.

A public hearing was held to discuss the Environmental Protection Framework Document on the Project for Strengthening Vital Infrastructure to Ensure Their Resilience to Natural Disasters ”on April 24, 2017. <http://file.tj/download.php?file=597EMF> **Rus final.pdf**<http://file.tj/download.php?file=730EMF> **Final.pdf**

According to the contract documents and tender procedures, the Contractor received all the necessary documents that reflected the weight of the order and requirements for carrying out construction works in accordance with the requirements of the World Bank in relation to the requirements for Environmental and Social Issues.

Based on the documents prepared by the MoF and the Consultant, the Contractor has prepared his ESMP. The contractor received permits on environmental issues for construction work from the local Khukumat and the Committee for Land Management and Geodesy of the Republic of Tatarstan.

The contractor received the following documents:

- a) The act of securing a plot of land.
- b) Map
- c) Resolution of the chairman of the district
- d) Protocol.
- e) Scheme of the boundary of the land plot
- f) Permission.

Purpose and state of implementation of social guarantees

For the implementation of the social guarantees, Resettlement Action Plan (RAP) was prepared by the Project. The main objectives of the RAP are:

- (I) instructing in the correct determination of payment of compensation;
 - (II) rebuilding the livelihoods of PAPs;
 - (III) serves as a mandatory document to ensure compensation payments and assistance to PAPs.
- RAP includes measures to ensure PAP:
- (I) awareness of resettlement rights;
 - (II) awareness of proposed options, technically and economically feasible resettlement alternatives, and
 - (III) fast and effective compensation of expenses for a full relocation at recovered cost for the loss of property directly related to the implementation of the project.

5.7. Activities on occupational health and safety.

According to the specification, the Contractor must ensure that the subcontractors and all personnel act in accordance with the clause On Health and Safety of Workers and must also take precautions to prevent unauthorized entry into the construction site.

Regarding health and safety, the Contractor regularly instructs all workers before starting construction work. All workers are provided with personal protective equipment. A journal is kept for registering the instruction of all personnel.

The engineer (consultant) also regularly monitors Occupational Health and Safety during inspections at the construction sites for the following:

- compliance with safety standards and technical regulations;
- compliance with the rules for the operation of equipment (batching plant, crushing and screening plants and road mechanisms);
- compliance with sanitary and epidemiological standards (COVID-19);
- compliance with fire safety (storage of fuels and lubricants, fire hazardous building materials and inspection of the working condition and shelf life of fire extinguishers).

Newly arrived employees are allowed to work only after they have completed an introductory (general) safety instruction, as well as safety instructions directly at the workplace.

In addition to knowledge, builders and workers about hazardous and harmful conditions are also provided with personal protective equipment (PPE) and protective clothing that protects against the influence of harmful environmental factors. This is extremely important to ensure construction safety.

5.8. Work on the prevention measures to prevent the spread of coronavirus infection (COVID-19)

Concerning the spread of coronavirus. From the first days of the spread of the new coronavirus, the Government of the Republic of Tajikistan has been taking all necessary measures to prevent the penetration and spread of COVID-19 in the country. At the Government level in the country, a headquarters was organized, which is consistently dealing with all issues related to measures to ensure the safety of the health of citizens, taking measures to prevent the spread of coronavirus and providing the country's population with food and medicine. The Ministry of Health has organized the helpline (hotline) number 511 for rapid response to possible outbreaks of the new virus.

The project management from the Ministry of Transport has planned to develop an action plan to prevent the spread of coronavirus at the facilities in the coming days. It is also recommended that all personnel at the facilities measure the temperature daily, wash their hands with soap, put on masks at the workplace and periodically treat their hands with an antiseptic. The World Bank has also sent its recommendations, which will be disseminated to the employees of the PIG MT and all construction sites.

It is necessary to consider, discuss and make specific positive decisions on the issues of payments to project staff, if any of them were to get sick. They should all be isolated. Their wages should be paid in full in case of illness in the workplace, since the issue of wages is one of the indicators of social support in projects financed by the World Bank.

In connection with the spread of the second wave of coronavirus pandemic, the Social Safeguard Consultant of the PIG has strengthened the work on the following activities:

- 1) The “Action Plan for the Prevention of the Spread of Coronavirus Infection (COVID-19)” approved by the First Deputy Minister of Transport, Director of the PIG, Mr. Sirojzoda Sh. Kh, was received. It clearly sets out all the schemes and the necessary

sequential actions of specialists and consultants of the PIG on the prevention of coronavirus infection

- 2) Every day, all PIG consultants, field specialists, operating personnel and technical personnel strictly adhere to preventive measures – wearing protective masks, wearing protective gloves, frequent washing hands with soap, hand disinfecting protection. It is strictly forbidden for all employees, consultants, international and local staff to shake hands.
- 3) Every day before starting work, temperatures of all employees and specialists are checked. Records are kept in the logs.
- 4) All employees are strongly recommended to communicate with each other, with the local population at a distance of at least 1.5-2 meters.
- 5) Receive daily information about the health of all workers at the facilities. No cases of coronavirus infection were recorded at the project sites as of July 1, 2021. This activity has a positive effect on accelerating the implementation of subcomponent 2.1 of the Second component of the Project.

Since May, has begun the vaccination of all workers at the sites. By June 30, more than half of the workers received the first vaccines. These vaccines are Chinese-made vaccine, AstraZeneca and American Moderna.

5.9. Impact of the subcomponent 2.1. to citizen’s properties

In the first phase (9 bridges, Lot1) in Vanj and Rushan districts, 12 households are affected by the Project. The property of these citizens was assessed, the required amount was allocated by the Government of the Republic and PAPs received compensation for the lost property. Of these, 6 are residents of Vanj region and 6 are from Rushon region. (See table No.8).

Table No.8

Information on payment of compensations to PAPs (first phase) of subcomponent 2.1

No.	Full name	Region	Village	The total amount of compensation paid (in somoni)
1	NiyozbekovaRukhsoramo	Vanj	Langar (bridge No.2)	6000
2	Imomova Husnoro	Vanj	Andarbak (bridge No. 2)	33100
3	NazrishoevOyatullo	Vanj	Andarbak (bridge No. 2)	19800

4.	Salokhov N.	Vanj	Ubod(bridge No.4)	19087
5.	Balajonov M.	Vanj	Ubod(bridge No.4)	7000
6.	Asoev J.	Vanj	Chikhokh (bridge No. 5)	4600
7.	Bakhtibekov U.	Rushon	Barrushon (bridge No.9)	58800
8.	KhosabekovKh.	Rushon	Barrushon (bridge No.9)	265799
9.	Rahmokhudoev R.	Rushon	Barrushon (bridge No.9)	28912
10	Khudoiev M.	Rushon	Barrushon (bridge No.9)	37065
11.	Khudoiev N.	Rushon	Barrushon (bridge No.9)	19248
12.	Ramazonova M.	Rushon	Barrushon (bridge No.9)	112 760
	TOTAL			612 177

For the first phase of the Project (9 bridges) in Vanj and Rushan districts, the PIU MF together with PIG MT prepared a Resettlement Action Plan. All citizens, whose property fell under the influence of the Project (12 people), were paid monetary compensation (612 177 somoni), and one of the PAPs was provided with a land plot (0, 03 hectare).

During the social assessment of 9 additional bridges (Lot 2) in the districts of Murghab, Rushan and Darvoz, the project affected the property of 9 households located in the vicinity (bridge No. 16) of the village of Darzhomch, jamoatBartang, Rushan district. (See Table No.9). After the assessment of the property of PAPs, the damage was compensated and PAPs gave written consent that they agree and do not object to the Project to start the restoration work.

Table No.9

PAPs, who have received compensations (Lot 2)

No.	Full name	Village	Jamoat	District	Compensation amount (in somoni)
1.	Nematulloev I.	Darzhomch	Bartang	Rushan	1800
2.	Oshurmamadov C.	Darzhomch	Bartang	Rushan	1400
3.	Khudoyberdiev I.	Darzhomch	Bartang	Rushan	1200

4.	Yogibekov S.	Darzhomch	Bartang	Rushan	2000
5.	Ruzadorov S.	Darzhomch	Bartang	Rushan	1700
6.	SurobovaArkiya	Darzhomch	Bartang	Rushan	550
7.	Odinaev I.	Darzhomch	Bartang	Rushan	3000
8.	Niyozbekov N.	Darzhomch	Bartang	Rushan	1700
9.	Ruzadorov A.	Darzhomch	Bartang	Rushan	1800
	Total	9 people			15 150

At the request of the PIU MF, the Government of the Republic of Tajikistan allocated the necessary compensation amount. Compensation costs were paid to all 9 PAPs, totaling 15 150 somoni or \$2 323 US for Bridge No. 16. A Resettlement Plan for Bridge Rehabilitation Facilities (Lot 2) was prepared . The resettlement plan has been endorsed and approved by the WB.

5.10. Safeguards for Subcomponent 2.2.

As part of the implementation of the Project activities, measures are envisaged to protect the environment and social environment.

Implementation of construction and restoration works under Subcomponent 2.2. carried out in accordance with the requirements and laws of the Republic of Tajikistan and the World Bank's operational policy on safeguards, based on Environmental and Social Impact Assessments and Environmental and Social Management Plans.

World Bank Operating Procedures Involved.

According to the Operational Procedures of the World Bank, the Project is categorized as “B” with “Moderate” assessed risk and the WB's operational policy on safeguards is being activated: OP 4.01 "Environmental Assessment", OP 4.12 “Involuntary Resettlement”, OP 4.37 “Dam Safety” and OP 7.50 “Projects on International Waterways”.

For subcomponent 2.2. OP / WB-4.12 is not applied, because resettlement and land use activities are not affected. All construction and restoration work is / has been carried out at existing facilities, i.e. on the territory of lands that are on the balance sheet of the local state water management organization and are used as operational sites for carrying out bank protection, repair and maintenance work.

The activities of the Project are regulated by the legislative and regulatory framework of the Republic of Tajikistan: articles of the Constitution of the Republic of Tajikistan, Environmental Protection Act, the Law on State Ecological Expertise, which includes provisions on the process of conducting an Environmental Impact Assessment in Tajikistan, Environmental Monitoring laws, Atmospheric Air Protection, Environmental Audit, Industrial and Domestic Waste Management Law, Water Code, etc.

The following documents were prepared:

Environmental Management Plan / Environmental and Social Impact Assessment for Construction and Restoration of Bank Protection Structures in Kurgan-Tyubinsk and Kulyab Zones. <https://cloud.mail.ru/public/CGEV/bLpFftnZD> of January 18, 2019.

Environmental and Social Management Plan and reports on shore reinforcement works.

May 29, 2019 at 12:27 <https://cloud.mail.ru/public/435G/2gsg2uvWZ>

Environmental and Social Management Plan / Socio-Environmental Impact Assessment for the construction and restoration of the mudflow protection dam on the Yakhsu River in the Vose District. January 22, 2020, <https://cloud.mail.ru/public/Gxfr/3VSCBEPZP> (rus)
<https://cloud.mail.ru/public/3L2t/YJTyUPbKA> (eng)

Environmental management plans for the Vose, Kulyab, Kabadiyan and Shaartuz project districts have been agreed and approved by the district environmental protection departments. All documents were approved by the World Bank.

Licenses and other permits for Subcomponent 2.2. not required because inert materials used in bank protection (crushed stone, sand and gravel) are purchased by the contractor from local gravel sorting plants.

Requirements for security measures for Subcomponent 2.2. are complied.

Institutional support

To provide technical support and resolve issues on social and environmental aspects, provide advice and recommendations, from the PMU / AMI on a contract basis, the following local consultants were hired:

1. FayazovaZamira - consultant on social protection issues;
2. NosirovaTojinisso - consultant on environmental issues.

Impacts of the Project

Expected Project Benefits under Sub-component 2.2: Long-term positive impacts from the project activities are expected.

The restoration of flood protection facilities in the project areas will contribute to:

- Prevention of further destruction of coastlines by flood waters, reducing the risk of floods and waterlogging;
- Protect adjacent irrigated lands and settlements from flooding, prevent loss of homes
- Improving the agricultural productivity of arable lands, increasing their area, increasing the yield of agricultural crops, increasing the income of farms and households;
- Improving employment opportunities, i.e. ensuring the level of employment and income of the population - the use of local goods and services during construction work;
- Reduction of poverty in rural areas of the project area.

Risks and negative impacts of the Project:

No significant social and environmental risks are expected for component 2.2. Minor risks and impacts associated with construction activities are temporary and can be prevented or mitigated to an acceptable level.

Common socio-ecological elements

- temporary formation of dust and noise, shaking;
- temporary inconvenience on inter-farm roads;
- possible violations during the functioning of construction camps;
- soil and water pollution;
- possible risks to the health and safety of workers and local communities during construction work;

Social elements

inflow of labor from outside and infringement of the interests of the local community in terms of employment opportunities;

limited opportunities for ethnic minorities to access project benefits;

the occurrence of disputes and misunderstandings.

Protection Measures Implementation Status

Since the beginning of the implementation of Subcomponent 2.2. and to date, the following activities have been carried out by the security advisers:

- Developed and approved by the World Bank "Environmental and Social Management Plans / Assessment of Social and Environmental Impact for Construction and Restoration Works at Project Sites" (ESMP) in Kulyab, Vose, Shaartuz and Kabadian districts. Additionally, a preliminary socio-ecological assessment was carried out and an EMP was drawn up for a new object, which is near the village of Kaftarkhona, Vose district. Approval of approaches to the implementation of protective measures was carried out with hired contractors;
- With the aim of broader coverage of the environmental and social aspects of the UKVIUPO Project under Sub-component 2.2., The ESMPs for the four project districts of Kulyab, Vose, Shaartuz and Kabadian are posted on the PIU website of the Ministry of Finance at the following address: www.greenfinance.tj on the link: <https://cloud.mail.ru/public/CGEV/bLpFftnZD> (18/01/2019). Later, in addition, on the website of the PIU / Ministry of Finance, the ESMP was published for the Kaftarkhona object (01/22/2020);
- Developed a "Social Monitoring Plan";

In tabular format, developed selection criteria by which the contractor must carry out the selection of women seeking employment to participate in the construction and rehabilitation of project activities;

- A preliminary analysis of applications received through the GRM was carried out, sent to the WB for approval (05/02/2020);
- Collected information about Volunteer rescue teams in Vose and Kulyab districts;
- Compiled information on the income of the local labor force involved in the construction and restoration of the Project, reflecting the information on the standard tariff rates for workers in construction.
- A "Action Plan for the prevention / prevention of the spread of COVID-19 at construction sites and the adoption of operational measures in case of its occurrence" was developed. The plan was sent to the WB and the heads of contractors for consideration;
- Internal regulatory documents were developed: an order was issued and an operational group on COVID-19 issues was formed;

Reporting, including photo reports, on preventive measures taken by the PMC administration is provided to the WB project managers;

- As part of summarizing the results of Sub-component 2.2. on of completed facilities, conducted a review of the achievement of the social and environmental effectiveness of the Project;
- Monitoring of the social impact of the Project at the community level was carried out, based on the results of which:

a) Success stories of the Project beneficiaries;

b) Local community appreciation to the SCINHP.

1. An analysis was carried out and a justification was drawn up on the feasibility of including the entire population of the Vose district and Kulyab city as beneficiaries of the Project;

2. As part of summing up the mid-term results of the activities of Sub-component 2.2., an analysis was carried out on the achievement of the intermediate indicators of the Project.

3. On the ALRI website, Achievements of Subcomponent 2.2. (06/29/2021);

4. On a semi-annual basis, reports on the implementation of the activities of Sub-component 2.2 are prepared and sent to the PIU of the Ministry of Finance for consolidation;

Measures taken to comply with the ESMP.

The bank protection, construction and restoration activities of the Project in the Kulyab zone have been completed. Restoration work is underway in the Kabadiyan district on the Kafirnigan river, Bokhtar zone, site No. 4. The total length of the project site is 15.74 km and covers 4 jamoats of the Kabadiyan district: U. Nazarov, I. Niyozov, N. Khusrav and 20 solagii Istiklol. The object is divided into 4 sites and a contractor has been hired for each of them. The active phase of construction is underway on site 1. On other construction sites, after the tender procedures, organizational and preparatory work is underway. Information on the status of construction work under Subcomponent 2.2. is given above, in table No.2.

All areas of the site No. 4 are located outside the settlements and do not directly affect the safety and health of the population.

There are no nature reserves, cultural and historical heritage sites near the project site, there are no sites of value to the local population (mosque, cemetery, etc.), in this regard, there is no negative impact on cultural resources.

During the current reporting period, the following activities were carried out by contractors at site No. 4 to comply with the terms of the ESMP:

Construction camps and workers' rights

Small temporary construction camps, including construction sites, have been organized by the hired Contractor. Since most of the workers are hired locally, more than 66% (see table No.....), There was no need to create large-scale construction camps. These are mainly local residents who live near the project sites and who have the opportunity to return to their permanent residence at the end of their working day. Also, it should be noted that the involvement of local labor force prevents the possibility of discontent among the local community i.e. basically they are connected by kinship-neighbor relations based on mutual respect for local traditions and customs, which do not allow local social frictions.

Construction sites are organized directly at the construction site, this is the territory of land that is on the balance sheet of the local WMO / exclusion zone (site 4). Also, a temporary construction site was organized on the empty territory of the dekhkan farm, free of charge, as a contribution by the local community (site 1). At the sites, construction equipment is based, trailers for workers' rest have been installed and a canteen has been organized.

Construction camps are organized by contractors mainly in areas where there is an appropriate infrastructure (electricity, water supply, buildings, etc.). The camps have warehouses for storing building materials, reinforced concrete slabs are made, trailers were brought in for the permanent staff of the contractor, and a canteen was organized.

Each contractor has a transport on duty to deliver personnel to the workplace. Local workers living near the site mostly walk / bike to and from the site.

Compliance with safety measures

1. Conducted appropriate fencing at the work sites;
2. The personnel are provided with special protective clothing;
3. On a quarterly basis, contractors instruct workers on the observance of safety and labor protection. Before the start of construction and restoration work, a general familiarization is carried out, taking into account the specifics of the work performed, introductory briefing and initial briefing at the workplace. There is a registration log.
4. There is a first aid kit and a fire shield is installed.

During the construction period and after its completion, the contractor LLC “Simo Company” (site 1) the work on the profiling of the road access to the site was carried out. The PMU/ALRI received a letter of gratitude from the chairman of the mahalla and farms for the restoration of the destroyed coastline.

In the course of construction and restoration work, all contractors comply with measures to reduce the impact on the environment.

- Atmosphere; regarding air pollution, all working mechanisms work according to the work schedule, that is, from 8:00 to 17:00, in addition, the working mechanisms are new. By the Contractor, rural roads to the site are watered by water-machinery.
- The soil; it is also observed that it is not allowed to spill combustible lubricants by the working mechanisms.
- Waste; the Contractor has a specially designated place for the collection of construction waste and household, and then taken out in the same way in a specially designated local authority for environmental protection. The site is cleaned daily.
- Safety precautions; the Contractor complies measures on safety precautions
 1. The work area is fenced off (with a marker and tape).
 2. There is an information board for informing nearby settlements.
 3. There is a registration book on the conduct of briefing on the safety precautions of workers on a monthly basis.
 4. Workers have overalls in particular; gloves, helmets and special footwear.

All the necessary conditions for workers' rest have been created at the work site. At the same time, a local woman cooker was hired for cooking food. There is a wash stand, shower and toilet, which is in satisfactory condition.

5.11. Work on the prevention of measures to prevent the spread of coronavirus infection (COVID-19)

In connection with the spread of the coronavirus pandemic, the Social Consultant of the PMU under ALRI has strengthened the work on the following activities:

A pandemic from April to the end of May negatively affects the pace of project implementation. PIU ALRI in accordance with the requirements of the Government of the Republic of Tajikistan and the World Bank, based on the recommendations of the Ministry of Health of the Republic of Tajikistan, taking into account the spread of the new coronavirus infection in the world and the region, the following preventive measures have been taken to prevent the spread of "COVID-19" among the staff of the PMU contractors/subcontractors:

- Internal regulatory documents have been developed: Order No. 79 form May 7, 2020 was issued. A task force on COVID-19 issues was formed and responsible persons were appointed to carry out orders;
- In accordance with the recommendations of the WB, an "Action Plan for the Prevention of the Spread of COVID-19 at Construction Sites and the Taking of Prompt Measures in Case of Its Occurrence" has been developed. The plan was sent to the WB and the heads of contractors for consideration;
- To ensure the safety of the staff of the PMU office, every month since April of this year, personal protective equipment (respiratory masks and gloves) and antiseptics are purchased and distributed. Disinfectants for the treatment of all surfaces and premises based on sodium hypochlorite, detergents for the constant treatment of hands, dishes, etc.;
- Information materials were released on the symptoms of the new coronavirus infection (COVID-19) and measures to prevent infection, posted at the office stand and in the common areas of the PMU. Safety reminders are posted at the front door to the office, near and inside the elevator, in the hallway and restroom. Safety notes are additionally posted on other floors of the same building, in common areas;

- At the entrance to the office there is a pallet with a sponge, abundantly moistened with disinfectant for those entering the office;
- The body temperature of an employee and other visitors is measured on a daily basis, in a non-contact way. Thermal imagers have been purchased. At the entrance to the PMU office, in addition to measuring body temperature, hands are also treated with an antiseptic;
- In the office every day, in addition to cleaning, a general cleaning is carried out with disinfectants of all contact surfaces;
- Each employee is recommended to air their offices 3-4 times a day;
- All communications with representatives of the World Bank have been switched to video and audio mode, seminars are held via virtual videoconference;
- When working with banknotes, specialists use gloves and disinfectants;
- Employees with signs of any colds are advised to work from home;
- In the register of complaints and other types of appeals, an additional column has been added for recording those who are officially sick with COVID-19;
- Every month, starting from May of the current year, a report / photo report is drawn up on the preventive measures taken at the level of the PMU of the FVWRM, sent to the WB for a general review and providing additional recommendations.

In the PMU and at the sites, all workers are vaccinated to prevent Covid-19. Vaccines are Chinese, AstraZeneca and American Moderna.

5.12. Impact of subcomponent 2.2. to the citizen’s properties

Subcomponent 2.2. The implementation of this subcomponent does not affect the property of citizens or other enterprises and organizations. All work is carried out at existing facilities (sites), that is, on the territory of lands that are on the balance of the district and regional structures of ALRI and are used as operational sites for bank protection, repair and maintenance works. There is no need for relocation.

The project included a number of mechanisms related to Citizen Engagement (CE). The main activities included: (i) monitoring, data collection at the Project level on feedback from beneficiaries and complaints related to impacts from project activities (e.g. land acquisition, etc.) and other issues and reporting. The GRM, which is also part of the RPF, has been used for a wider range of project activities in addition to the impacts associated with resettlement; (ii) monitoring the impact on the sites of critical infrastructure to be rehabilitated and construction camps covered by subcontracts and thus increasing accountability to the Project beneficiaries.

Monitoring the Implementation of the RAP

Social Safeguard Consultants of PIU MF/PIG MT/PMU ALRI for SCINHP in coordination with local authorities responsible for RPF and resettlement and compensation issues, manage the collection of baseline information on all physical or economic movements from the project on a quarterly basis.

They compiled the following statistics:

- a) A number of activities requiring preparation.
- b) Number of households and individuals physically or economically displaced by each activity;
- c) Time period from design completion to payment of compensation to PAPs;
- d) Compensation terms for starting physical works;
- e) The amount of compensation paid to each family (household) of PAPs (if in cash) or the nature of the compensation (if in kind);
- f) Number of individuals filing complaints in relation to each sub-project;
- g) Number of unresolved complaints.

PIU MF/PIG MT/PMU ALRI for SCINHP maintain a complete database of each person affected by the project's land use requirements, including relocation, resettlement and

compensation, land impact or damage, and will provide a copy to the jamoat/village authorities. Each time land is used for a project, the database is updated to determine if the person or household is affected by economic insolvency and eligibility for compensation or its alternatives. Periodically reports on this database were sent to the local authorities of the jamoat/district and the World Bank. (See the semiannual reports and this report).

5.13. Grievance Redress Mechanism

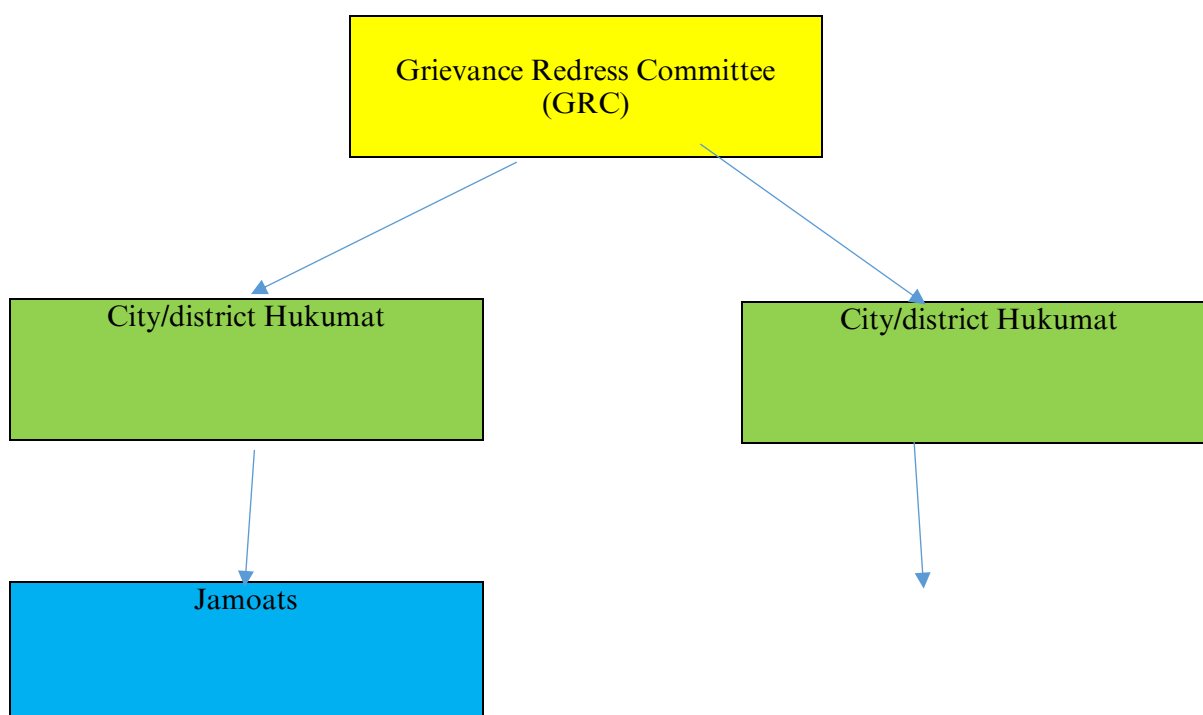
Grievance Redress Mechanism as part of the Resettlement Policy Framework (RPF) addresses all the issues, related to the implementation of the Project. It should be noted that regardless of the presence or absence of land allotment and relocation, local communities living in the territory where construction works are carried out may experience some negative impacts during construction works. They can submit complaints and grievances through the GRM throughout the duration of the Project and in relation to solving problems related to its activities.

GRM will cover social and environmental issues and other protective measures within the framework of the social obligations of the World Bank, and the current legislation of the Republic of Tajikistan.

The main purpose of the Grievance Redress Mechanism (GRM) is to resolve disagreements, actions or activities that have arisen during the implementation of the RAP and with which PAPs do not agree. PAPs will be fully informed about their rights and grievance procedures, orally or in writing during consultation, conducting surveys, making compensation payments and implementing an ongoing pr

Diagram 2

Structure of Grievance Redress Mechanism (GRM)



Consultant/Expert on social issues
of PIU

Project Affected People (PAP)

Based on the Resettlement Action Plan (RAP), a Grievance Redress Mechanism was developed by the MF PIU consultants. Grievance Redress Mechanism was approved by the World Bank. The Grievance Redress Mechanism has now been brought to the attention of all jamoats, executive bodies of state power, in communities, in all interested structures.

In all zones (jamoats and objects), where construction and restoration work is being carried out, boxes for complaints and proposals from citizens and information boards were installed.

No complaints or suggestions have been received on the first component of the Project, since the main work - construction of the NCMC building has not begun.

During the reporting period, only the second component (2.1. And 2.2) received 8 complaints and 18 other appeals from citizens. (request and gratitude)

Component 2.1. During the reporting period, no complaints were received. All previous received complaints were documented. During the reporting period, 7 appeals were received. Of these, 6 are requests from residents, that is, collective letters about the restoration of pedestrian bridges and others and 1 gratitude.

When the contractor started the restoration work in the PIG and WB, Ramazonova M. filed a complaint that her property (store) is affected by the Project and she could not work. The consultants of the PIU MF, together with representatives of the PIG and members of the district committee, met with Ramazonova M, got acquainted with the situation on the spot. After which an act was drawn up. She requested to have a second floor built as compensation, since half of her store would be below the level of the new road. PIU MF hired a designer and, in agreement with the owner of the property, prepared a project for the second floor of the building. The PIU MF informed the World Bank about this. At the moment, the issue has been positively resolved by the Government of the Republic of Tajikistan. M. Ramazonova received compensation in the amount of 112,760 somoni.

Another complaint was received by the PIG MT from R. Niyozbekova, a resident of the Yazgulam jamoat of the district of Vanj (bridge No. 2), that 5 of her trees are influenced. The issue was considered by specialists PMU MT and resolved positively.

The third complaint came from a resident of the Yazgulam jamoat, KhuseynovNaim (bridge No. 1) that 0.02 hectares of his land is impacted by the project. The specialists PIG proposed a partial change in the project and will additionally build retaining walls. This option suits N. Khuseynov. And one more complaint came from a resident of Teharvjamoat, Vanj district UstoyevSadi (bridge No. 7). He demands to have his pipes replaced, which were affected by the construction workers when restoration works began. It was agreed that the contractor will repair the damage when the road is restored with new trays.

During the reporting period, the Contractor signed contracts with all workers and no complaints from workers were received.

For subcomponent 2.2. From the implementation of activities for Subcomponent 2.2. only positive impact is observed. During the reporting period, one complaint was registered, which was promptly resolved and 13 other types of appeals, including written and oral appeals expressing gratitude for strengthening the banks and requests to include problem areas in the implementation zone/area of the SCINHP.

We have prepared a summary table on the status of review of complaints and other appeals from citizens. (See table 10)

Table No. 10

Summary table of citizens' appeals on the project						
Total number of appeals	Of these, complaints	Request, gratitude	Of these, complaints from women	Complaints resolved	Under review	Resolved in %
26	8	18	4	8	-	100

The Projects Social Safeguard Specialist Consultant carried out a preliminary analysis of applications received through the GRM. There is also a "Register of complaints and other types of appeals under Project". (See Annex 3)

5.14. Labor influx and gender issues

The project provides for civil construction work on the restoration of bridges and flood control structures. In the context of Tajikistan, the most effective risk mitigation measure will be to attract local specialists and local labor force - part of the required labor force can be hired locally, especially for unskilled workers. In addition, local workers can be trained within a reasonable time to meet project requirements or, if subsequently such trained personnel are required to operate and maintain the rehabilitated infrastructure.

The project will provide a reflection of applicable commitments made in social and environmental documents in the construction tender package and subsequent contracts. These documents contain specific references on how to avoid or manage the risks associated with rehabilitation activities, including the influx of labor. These risks include: gender-based violence, child labor and school dropouts, local price inflation, increased traffic and related accidents, and others. Bidding documents have been prepared by the project, taking into account the requirements of the RPF and the ESMP, and that the respective monitoring and implementation reporting responsibilities are reflected in the ToR for the Construction Supervisor.

While firm actions of the contractor will be critical to managing the risks mentioned above, the project implementation centers, as representatives of the Borrower, will complement them with their own actions.

For the reporting period for **Component 1.1**. Construction of the NCMC building began. The contractor involved 18 people for the construction, including 3 engineers, 15 workers. All workers are local and there is no need for housing. The contractor at his own expense feeds them three times a day.

In addition to construction workers, 1 cleaning lady and one medical worker are hired. All sanitary and hygienic requirements are observed. Before starting work, the body temperature of workers and other persons present is measured. Nobody was sick with the coronavirus.

For the reporting period for **Component 2.1**. (restoration of bridges) two large tenders (Lots 1 and 2) were held to restore 17 bridges. Both tenders were won by the Chinese company “China Road”.

Activities of the Project

In total, 267 people are involved in the project, and they are healthy. Currently, all work is progressing normally.

Housing for project workers

The project provides for 5 camps for staff, 22 people live in the camp, and no more than 2 people in the hostel for the camp staff.

The rest of the employees are hired locally and everyone goes home.

Transportation

Most of the workers in the project go on foot, to the workplace, and individual workers use private cars to get to work sites.

COVID-19 prevention measures

1) All workers are checked for body temperature before going to work.
Work is allowed only when the body temperature does not exceed 37.2 ° C.

It is strictly forbidden to work when the body temperature exceeds 37.2 ° C and requires timely medical treatment.

2) Conduct explanatory work on the knowledge of infectious diseases and major epidemics for employees, as well as post information materials in a conspicuous place on the construction site.

3) Arrange for the disinfection of key parts at the construction site, including office space, meeting rooms, living quarters, dining rooms, toilets, bathrooms, etc.

4) Regulate food procurement channels, and unqualified personnel should not be involved in the management and maintenance of the canteen. Prohibit the purchase of vegetables and food from unlicensed street vendors.

5) Epidemic prevention:

Organize emotions, values;

Control measures need to be strengthened;

Maintain environmental hygiene;

Pay attention to personal hygiene;

Raise public awareness;

Safety and health during an epidemic.

Emergency Principles

If a COVID-19 case occurs in a project, the engineer and relevant departments should be notified immediately. Investigation, handling, rescue, verification and reporting must be conducted under the command of the design department to effectively monitor the situation and reduce harm and impact.

During the reporting period, the Contractor engaged 17 local specialist engineers and translators. All workers at the sites are local only. There are 298 workers, of which 282 are fro RT, 265 are local workers, 156 are men and 9 are women. Due to the fact that all workers are local, there is no need to build large construction camps. (See the table No.11)

Table No.11

Subcomponent 2.1. Number of workers (as of 12/31/2020)							
No.	Total workers	Of them: Foreigners	Workers from RT	Workers from the local population	Of these, women from the local population	Percentage of local labor force	Percentage of women from local workers
1	2	3	4	5	6	8	9
Lot 1 Bridges 1-9	159	11	148	142	6	77,9	4,2
Lot 2 Bridges 10-17	139	5	134	123	3	88,4	2,4
Total	298	16	282	265	9	88,9	3,3

For Subcomponent 2.2, all participants in construction and restoration work are citizens of Tajikistan. Basically, residents from the same region where the construction is taking place are involved in the design work, there is not a single worker involved from outside. i.e. from other

countries. As of 06/01/2021 number of workers employed locally by Subcomponent 2.2. is 309 people or 66.3% of the total number of workers involved in construction. (see table No.11)

Table No.12

Name of Contractor	Number of workers (people) as of 06/01/2021						Implementa tion status of contracts
	<i>plan</i>	<i>fact</i>	<i>locally recruited from actually employed workers</i>	<i>%% =(r* 100/ B)</i>	<i>locally recruited women</i>	<i>%% =(e* 100/r)</i>	
<i>a</i>	<i>б</i>	<i>B</i>	<i>Г</i>	<i>Б)</i>	<i>e</i>	<i>)</i>	
OJSC “Obrason”	67	67	22	32,8	5	23	completed
LLC “Umed – 1”	75	75	65	86,7	14	21,5	completed
JV LLC "Firuz-M" / "KudratiDangara"	76	76	64	84,2	6	9,4	completed
JV LLC "IttikhodInshoot" / "Zumrut"	80	85	58	68,2	7	12	completed
LLC "Oyandasokhtmon 2015"	20	19	19	100	2	10,5	completed
LLC "Simo Company"	60	72	54	75	6	15,2	continues
JV LLC “Mehri Khatlon, Dehoti nav I Akso”	60	35	15	42,8	2	13,3	has begun
OJSC “Tajikgidroelektromontazh ”	50	25	11	44	1	9,10	has begun
LLC “Zumrud”	50	12	1	8,3	1	100	has begun
TOTAL:	538	466	309	66,3	44	14,2	

According to the intermediate results of the project indicators, the final target should be 20% of jobs created at the local level. As of 07/01/2021 the number of workers employed locally by Subcomponent 2.2. is 309 people or 66.3% of the total number of workers involved in construction.

Gender aspects are of prime importance in job creation, that is, broader participation of women in rehabilitation works and benefit from project activities.

During construction, at the local level, women are involved in light types of work: cooking, washing dishes, cleaning camps, and other.

For subcomponent 2.2. (restoration of bank protection structures) gender equality situation is slightly better. For the restoration of destroyed dams, except for cooks, cleaners for the production of reinforcing meshes for concrete slabs, delivery of water manually (buckets), for pouring and making concrete mixture, watering the slabs after installation, planning the slopes of the dams and collecting large stones (up to 1.5 kg), for the subsequent laying of concrete slabs, etc. women are hired. On an ongoing basis, all contractors hired are encouraged to involve as many women as possible in project activities, especially from vulnerable households.

During the reporting period, 39 women were involved in the project activities at the local level, which is 3 people more compared to the first half of 2020.

Since the construction work under Sub-component 2.2 is mechanized and labor-intensive (90% of bank protection works are carried out using heavy equipment), it is not possible to reach 51% of the indicator in accordance with the interim indicators of the Project to attract local women as hired labor.

Observing the principles of equal access to the benefits of the Project, during the reporting period, 40 local Gypsies living near facility No. 6, in the Vose district and 18 workers, local Uzbeks from the village of B. Gafurov at the facility No. 4 in Qabodiyon district were involved in construction and restoration works.

It should be noted that according to the documents of the Project, one of the requirements is to attract citizens of the Republic of Tajikistan to work. During the implementation of the Project, temporary jobs are created and contractors employ local workers as simple workers and in some sites for engineering positions.

Taking into account the number of employees involved in Project components, a summary table is compiled for the number of employees involved in the project (**See table 13**).

Table No.13

Summary table of the number of workers involved in the project							
Component	Total workers	Of them: Foreigners	Workers from RT	Workers from the local population	Of these, women from the local population	Percentage of local labor force	Percentage of women from local workers
1	2	3	4	5	6	8	9
Component 1.1.	20	0	20	17	1	85,0	5,8
Subcomponent 2.1.	298	16	282	265	9	88,9	3,3
Subcomponent 2.2.	466	0	466	309	44	66,3	14,2
Total:	784	16	768	591	54	75,3	9,1

5.15. Project Beneficiaries

Approximately 650,000 people live in areas where sub-projects are being implemented to strengthen bridges and flood and river bank protection infrastructure. Of these, about 260,000 people are affected by natural disasters every year, who will have access to improved emergency response services and are thus seen as indirect beneficiaries. Another benefit for the Republic from the Project is assistance in the rehabilitation of the M41 highway, which is the only highway providing access to the capital of GBAO, the city of Khorog (which is home to about 30,000 people), and the main trade route between China and Tajikistan, and increasing the Republic's capacity to respond to natural disasters. It is expected that about 51% of the beneficiaries will be women and girls. In addition to the above, representatives of the CoES and Civil Defense and relevant ministries and departments such as the Ministry of Finance, the Ministry of Transport, the Agency for Land Reclamation and Irrigation (ALRI) and the Institute of Geology, Earthquake Engineering and Seismology of Academy of Sciences will also benefit from increasing technical and institutional capacity in planning, implementation and monitoring.

At this stage, the restoration of dams and bridges continues. When counting the beneficiaries, only residents of those places where the work was completed, the infrastructure was restored and put into operation were taken into account.

Component 2.1. Due to the fact that work on the construction of bridges continues and the bridges are not put into operation, the number of actual beneficiaries has not yet been identified.

However, current estimates show that upon completion of the bridges, the number of beneficiaries is expected to reach between 70,000 to 101,000.

For subcomponent 2.2. covers 4 districts of Khatlon region: Vose, Kulyab, Kabadiyan (Shaartuz was excluded due to lack of funds).

Rehabilitation activities have been completed at the project sites in the Kulyab zone (Vose and Kulyab). Work is underway at the selected site in Bokhtar zone (Kabadiyan district)

The number of beneficiaries in the city of Kulob and Vose and Kabadiyan districts who have benefited from the implementation of the Project is 551992 people, of which: 282139 - women (51.1%); 269853 - men (48.9%).

5.16. Mitigation measures and approaches to prevent/contain the spread of COVID-19

In accordance with the requirements of the Government of the Republic of Tajikistan and the World Bank, based on the recommendations of the Ministry of Health of RT, given the spread of the new coronavirus infection in the world and the region, the Project adopted the following preventive measures to prevent the spread of "COVID-19" among the staff and employees of contractors/subcontractors:

- Internal regulatory documents have been developed: The Order of the Ministry of Finance No. 38 from March 27, 2020 was issued and other implementing agencies formed a task force on COVID-19 issues and appointed responsible persons for the implementation of instructions;

- In all objects, explanatory measures were carried out and all employees were checked daily.

- To ensure the safety of employees of the office of the PIU MF/PIG MT/PMU ALRI, every month since May of 2020, personal protective equipment (respiratory masks and gloves) and skin antiseptics are purchased and distributed. Disinfectants for the treatment of all surfaces and premises based on sodium hypochlorite, detergents for the constant treatment of hands, dishes, etc. are being purchased;

- Informational materials on the symptoms of the new coronavirus infection (COVID-19) and measures to prevent the infection were released, posted at the office stand and in public places. Safety reminders are posted at the front door to the office, near and inside the elevator, in the hallway and restroom;

- At the entrance to the office there is a tray with a sponge, abundantly moistened with disinfectant for those entering the office;

- The body temperature of an employee and other visitors is measured on a daily basis, in a non-contact manner. Thermal imager purchased. At the entrance to the office, in addition to measuring body temperature, hands are also treated with an antiseptic;

- In the office every day in addition to cleaning, a general cleaning (wiping) with decontaminating agents is carried out on all contact surfaces;

- Each employee is recommended to air their offices 3-4 times a day;

- All communications with representatives of the World Bank have been switched to video and audio communication, seminars are held via virtual videoconference;

- When working with banknotes, specialists use gloves and disinfectants;

- Complete disinfection of all office premises was carried out four times;

- Employees with signs of any colds are advised to work from home;

- In the register of complaints and other types of appeals, an additional column has been added for recording those officially sick with COVID-19;

- All reports indicate measures for coronavirus infection.

In May of this year, during the height of the pandemic in Tajikistan, a significant part of the Project staff was provided with annual paid leave. Some employees (mostly women and employees over 58 years old) have been transferred to working remotely, i.e. for those who can work remotely with full pay. Employees, whose presence in the office was necessary, had a flexible working schedule.

Starting from May 2021, vaccination of citizens from 18 years of age and above began. Many workers have already taken the first dose of the Chinese vaccine, AstraZeneca and the American

It should be noted that during natural disasters of various nature, the local population is the most vulnerable. Up to date, many residents of remote communities do not have enough information about the threat; they do not have basic skills and knowledge to respond to natural disasters.

To assist state structures in preventing and eliminating emergencies at the local community level, Voluntary Rescue Groups are being created in Tajikistan as a local territorial subsystem. Volunteer Rescue Groups (VRG) are created on the basis of the Order of the Chairman of the Committee for Emergency Situations and Civil Defense under the Government of the Republic of Tajikistan (08/26/2017, No.157) and the Regulation on the formation of Volunteer Rescue Groups at the village level (mahalla) under the Unified State Systems. Financial assistance was provided by International Financial Organizations such as: the Aga Khan International Fund, Mission “East” and “Focus” in GBAO and branches, the Committee for Emergency Situations and Civil Defense of the Republic of Tajikistan in Kulob and in Vose district, the international organization OXFAM. This provision defines the goals, structure and mode of activity of the VRG during emergency rescue operations before the arrival of the main forces. VRG - is a permanent voluntary emergency rescue group at the village level, is part of the jamoat and is directly subordinate to the chairman jamoat commission on emergency situations.

Moderna. Soon, all workers will be vaccinated and we hope that the threat from the coronavirus is eliminated.

There are no officially confirmed cases of the new coronavirus infection. But, taking into account the current situation, at the height of the pandemic in Tajikistan, all employees who fell ill during this period were paid compensation in the form of full salary, followed by a vacation to recuperate.

Establishment of Community Based Volunteer Rescue Groups (VRG).

Decree of the Government of the Republic of Tajikistan dated on March 30, 2010 No.164 accepted by the National Strategy of the Republic of Tajikistan on disaster risk management for 2010-2015. This strategy notes that the current level of awareness of the population of the Republic of Tajikistan about the opportunities and methods for reducing disaster risk and their consequences is insufficient. Knowledge of disaster risk at the institutional and public level is essential for the rational use of limited resources in order to prevent consequences or to avoid disasters. Based on this, this Strategy has set the task of constantly working to increase the level of public awareness on natural disasters at all levels of life, starting from secondary schools and ending with communities and government bodies.

According to the request of the WB in order to determine the readiness of the population to natural hazards and elimination of their consequences, a survey was conducted by PIU MoF.

Based on the abovementioned documents, by support of international financial organizations, the CoES and CD VRG was organized in the field. These groups are indicative and are equipped with the first necessary rescue equipment. Our studies have shown that in the districts of GBAO the most active VRG are organized at all jamoats, villages of the project areas and they are better equipped.

In Kulob and Vose districts VRGs are organized at the Jamot level, but in Shaartuz and Kabadian districts, the creation of VRGs at the Jamot and villages level of the project districts is being delayed due to the lack of international donors.

Annex 1 Results and monitoring matrix

(as of 06/30/2021)

PDO Indicators		Current and Projected Values									COMPONENT / DESCRIPTION	RESPONSIBLE UNITS
Indicator Name	Unit of Measure	Baseline	TIME	YR 1 (2018)	YR 2 (2019)	YR3 (2020)	YR4 (2021)	YR5 (2022)	YR6 (2023)	End Target		
Crisis management centers and systems become operational	Percentage	0	Plan							100	COMP 1.1. : Percentage of national crisis management center and mobile command and communication vehicles performing as regional/local crisis management centers, that have become fully operational including collecting/monitoring hazard information, communicating with relevant institutions and supporting emergency response decision making.	MoF PIU with support from CoESCD
			Actual	0	0	0	50	100	100			
Understanding of seismic hazard is improved	Text	Seismic hazard maps are outdated	Plan							Seismic hazard maps are updated and understanding of seismic hazard is improved	COMP. 1.2.: Seismic hazard maps are systematically updated.	MoF PIU with support from IoSEE
			Actual			National probabilistic seismic hazard assessment conducted	National probabilistic seismic hazard assessment conducted	Seismic micro-zoning for Dushanbe conducted				
Bridges reconstructed based	Number	0	Plan		0	0				15	COMP. 2.1.: Number of bridges reconstructed and strengthened than	MoF PIU with

on designs considering multi-hazard disaster and climate change risks			Actual	0	0	0	0	15	15		existing ones, by considering multi-hazard disaster risks, such floods, landslides, mud flows, rock falls, erosion, earthquakes, etc., as well as climate change scenarios.	support from MoT PIG
Number of people with reduced disaster risks through more resilient flood protection and river bank erosion prevention infrastructure	Number	0	Plan			556900	556900	556900	556900	556900	COMP 2.2.	MoF PIU with support from ALRI PMU
			Actual	0	0	432188	551992					
Strengthened capacity to coordinate and respond to emergencies	Text	No crisis management centers or systems with modern functions to coordinate response among relevant agencies.	Plan							Emergency response capacity improved through new facilities, equipment and procedures.	COMP 1.1.	MoF PIU with support from CoESCD
			Actual			New operational procedure for Crisis Management Centers and Systems completed and endorsed for use Not completed.	Training completed on use of new equipment and systems based on new procedure.	Facility and equipment for crisis management center and systems become operational.	Regular annual emergency response drills being held based on new procedure.			
INTERMEDIATE RESULTS												
Intermediate Results Indicators	Current and Projected Values											

Indicator Name	Unit of Measure	Baseline	TIME	YR1 (2018)	YR2 (2019)	YR3 (2020)	YR4 (2021)	YR5 (2022)	YR6 (2023)	End Target	DESCRIPTION	
Operational Procedures for Crisis Management Center and Systems are prepared	Yes/No	No	Plan							Yes	COMP. 1.1.	MoF PIU with support from CoESCD
			Actual	No	No	Yes	Yes	Yes	Yes			
National Crisis Management Center is established and tested	Yes/No	No	Plan							Yes	COMP 1.1.	MoF PIU with support from CoESCD
			Actual	No	No	No	No	Yes	Yes			
Mobile command and communication vehicles are procured and tested	Yes/No	No	Plan							Yes	COMP. 1.1.	MoF PIU with support from CoESCD
			Actual	No	No	Yes	No	Yes	Yes			
National Crisis Management Center and mobile command and communication vehicles users are trained to operate the emergency management system	Percent	0	Plan				50			100	COMP. 1.1.: Total number of staff and operators required for the full functioning of the Crisis Management Center and mobile command and communication vehicles will be estimated/quantified and agreed to between CoESCD and the World Bank team during first year.	MoF PIU with support from CoESCD
			Actual	0	0	0	0	100	100			
Financial protection strategy is developed to facilitate response and recovery in the event of an	Yes/No	No	Plan							Yes	COMP. 1.3.	MoF PIU with support from MoF Department
			Actual	No	No	Yes	Yes	Yes	Yes			

emergency												ents
Equipment for seismic hazard monitoring and assessment procured and installed	Yes/No	No	Plan							Yes	COMP. 1.2.	MoF PIU with support from IoSEE
			Actual	No	Yes	Yes	Yes	Yes	Yes			
Bridge designs informed by multi-hazard disaster and climate change risks are prepared	Number	0	Plan							18	COMP. 2.1. (Cumulative number)	MoF PIU with support from MoT PIG
			Actual	9	18	18	18	18	18			
Heavy machinery for the MoT is installed and dispatched based on operational plan	Yes/No	No	Plan							Yes	COMP. 2.1.	MoF PIU with support from MoT PIG
			Actual	Yes	Yes	Yes	Yes	Yes	Yes			
Target project sites have more resilient flood protection and/or river bank erosion prevention infrastructure through disaster risk-informed designing	Number	0	Plan							28.7	COMP. 2.2. (Cumulative number)	MoT PIU with support from ALRI PMU
			Actual	0	0	11,5 km	11.179 14,5 km	28.7	28.7			
Heavy machinery for ALRI is installed and dispatched based on operational plan	Yes/No	No	Plan							Yes	COMP 2.2.	MoF PIU with support from ALRI PMU
			Actual	Yes	Yes	Yes	Yes	Yes	Yes			
Grievances raised by stakeholders	Percent	0	Plan			Total 8 complaints				95	COMP. 1.1., 2.1. and 2.2. :	MoF PIU with

are addressed and closed			Actual	0	0	100 %	0	0	95			support from MoTPI G, ALRI PMU, and CoESCD
Locally-hired jobs	Percent	0	Plan			0				20	COMP. 1.1., 2.1. and 2.2.: Percentage of locally-hired jobs out of total hired jobs in civil works contracts under components 1 and 2. "Locally-hired" refers to those hired from within the same Oblast as where the sub-project is situated.	MoF PIU with support from MoTPI G, ALRI PMU, and CoESCD
			Actual	0	0	69,5	75,3	0	20			
Out of which female	Percentage - Sub-Type: Breakdown	0	Plan				0			51	COMP. 1.1., 2.1. and 2.2.: Based on assesment of locally hired jobs, specify what percentage of those hired are females	MoF PIU with support from MoTPI G, ALRI PMU, and CoESCD
			Actual	0	0	11.8	9,1	0	51			
Direct project beneficiaries	Number	0	Plan			556900	610200	646000	646000	646000	COMPONENT 2.1 and 2.2.: Direct beneficiaries are people or groups who directly derive benefits from an intervention	MoF PIU with support from MoTPI G and ALRI PMU
			Actual	0	0	432188	551 992					

Femalebeneficiaries	Percent-Subtype (Supplemental)		Plan				51	51	51	51	COMPONENT 2.1. and 2.2.: Based on the assessment and definition of direct project beneficiaries, specify what percentage of the beneficiaries are female.	MoF PIU with support from MoT PIG and ALRI PMU
			Actual	0	0	51,0	51,1					

Annex 2 Construction progress status for Subcomponent 2.2. (as of 07/01/2021)

District/Noof sites	Brief description of the site	Contractor start / completion date	Actual date of completion of construction	Construction status%	Assets transferred to ALRI	Date of acceptance and operation	Period of defect elimination	Presence of deformations / damage
KULOB ZONE								
Vose Site No,6	Sariparom site / confluence of Yakhsu and Kyzylsu rivers - L = 1025 m	JV LLC “Firuz-M” and “Kudrati Danghar” ----- started: 10.12.2018. completed: 31.12.2019.	10/08/2019	Completed 100%	Transferred to balance	16/08/2019	1 year	Eliminated
Kulob Site No,1	Sai Dahana: sites no. 1, 1 (a), 2, 2 (a), 3, 3 (a) L = 2891 m.	JV LLC “Ittihod Inshoot” and “Zumrut” ----- started: 10.12.2018 completed: 31.12.2019	05/08/2019	Completed 100%	Transferred to balance	16/08/2019	1 year	No
	Sai Dahana: site no. 4, 4 (a) L = 1636 m	OJSC “Obrason” ----- started: 10.12.2018. completed: 31.12.2019.	25/07/2019	Completed 100%	Transferred to balance	16/08/2019	1 year	No
Vose Site No,2	Yakhsu river, villages Shobika and Larhoby L = 5490 m	LLC “Umed -1” ----- started: 30.01.2019. completed: 30.01.2021. extended: 31.03.2021.	31/03/2021г.	Completed 100%	Transferred to balance	26/03/2021	1 year	No
Vose added site	Yakhsu river, Rudaki jamoat, village Kaftarkhona L = 735 m	LLC “Oyanda sokhtmon -2015” ----- started: 12.03.2020. completed: 31.12.2020.	18/05/2020	Completed 100%	Transferred to balance	20.07.2020	1 year	No

Total:	Kulob zone Total length: 11777 m		100%				
16.							
BOKHTAR ZONE							
Kabadiyan Site No.4	Kafirnigan river Site No.1 L=3383m.	LLC “Simo company” ----- started: 10. 02.2020. completion: 31.08.2021.	Construction and restoration work is on process of completion. The volume of work performed was 95%				
Kabadiyan Site No. 4	Kafirnigan river Site No.2 <u>L=4210.5m</u> 3191,5 – new, 1019 – reconstructed	OJSC “Tajikgidroelektromontazh” ----- started: 13.04.21. completion: 31.12.22.	Organizational and mobilization work completed. Preparatory work is underway for the production of concrete slabs.				
	Kafirnigan river Site No.3 <u>L=5572,0 m</u> 1479,8 – new 4092,2 – reconstructed	JV LLC “Mehri Khatlon, Dehoti nav I Akso” ----- started: 14.05.21. completion: 31.12.22.	Preparatory work is underway for the production of concrete slabs.				
	Kafirnigan river Site No.4 L=2572,3 m reconstructed	LLC “Zumrud” ----- started: 18. 12. 2020. completion: 31.08.2022.	Earthworks are being carried out and reinforced concrete slabs are being manufactured.				
Total:	Total length on Kabadiyan district: 15737,8 m						

Annex 3 Register of fixing complaints and suggestions

Register of Complaints and Other Types of Appeals for the Strengthening Critical Infrastructure Against Natural Hazards Project (as of January 31, 2020)

N o.	ateof Applicat ion Submissi on	Form ofSubmit ted Applicati on	Applicant	GenderoftheAp plicant	Who Accepted	Type of requests, including COVID-19	Essenceofthe Appeal	Sent to Whom with the Date	Term of Considera tion of the Appeal	Resultwith Date
Component 1. Strengthening capacity for disaster risk management										
No complaints or suggestions received for component 1										
Component 2.1. Strengthening bridges in GBAO										
1.	10.08.2018	In written form	Bridge No.9, Rushon District Khosabekov H.	Male	PIG MT and PIU MF, WB	Complaint	To pay compensations for his/her house and land plot in 0,03 hectares	PIG MT and PIU MF, WB 10.08.2018	4 months	The issue has been resolved. The applicant was awarded compensation for his house and a land plot of 0.03 ha.
2.	02.03.2019	In written form	Bridge No.9, Rushon District Khudoiev M.	Male	PIG MT	Complaint	Change the design for the reconstruction of bridge No.9	PIG MT and PIU MF	15days	The issue has been resolved. The bridge restoration project was changed in

										his favor.
3.	18.03.2020	In written form	Bridge No.9, Rushon District RamazonovaMavlude	female	PIG Social Specialist Safarov D.	Complaint	Allocate money for the construction of the second floor of the store	Ministry of Transport	6 months	The issue has been positively resolved. The amount of compensation was issued (112,765 somoni)
4.	05.05.2020	In written form	Bridge No.9, Rushon District Sabzalieva Farid	Male	PIG Social Specialist Safarov D.	Complaint	Allocate compensation for the damage of his house	Ministry of Transport	1 day	05.05.2020 the issue is resolved, the applicant had incorrect information.
5.	30.05.2020	In written form	Bridge No.7, Vanj District UstoevSadi	Male	Social SpecialistSafarov D.	Complaint	During the construction of an approach to the bridge, a pipe for the land irrigation was destroyed. Heaskedtorepair	Ministry of Transport	5 month	The issue has been resolved. The contractor will indemnify for the

							hepipe			damage.
6.	14.07.20 20	In written form	Bridge No.2, Vanj District NiyozbekovaRukh soramo	Female	PIG Social Specialist Safarov D.	Complaint	Allocate compensation for 5 apricot trees, that are being demolished	Ministr yof Transp ort	3 month	The issue has been resolved.
7.	11.08.20 20	Verbal	Bridge No.9, Rushon District RamazonovaMavly uda	Female	PIU MF Social Specialist Valiev M.	Complaintrep eated	Allocate money for the construction of the 2nd floor of the store	PIU MF	2 months	The issue has been positively resolved. The amount of compensati on was issued (112,765 somon)
8.	12.08.20 20	verbal	Bridge No. 1 Huseynov Naim, Vanj	Male	PIG Social Specialist Safarov D.	Complaint	Compensate 0.02 hectaresoflands	Ministr yof Transp ort	2 months	The issue has been resolved. The project was partially changed.
	February 2021	In written form	Residents of Chikhoh and Tekharv villages	Collectively	Safarov D	Request	Regarding walking trail connecting these two villages	MoT	4 months	The issue is under the consideratio n
	March 2021	In written form	Residents of Tekharv village	Collectively	Safarov D	Request	Residents are asking to restore 4 culverts.	Ministry	3 months	This issue is in the stage of resolving
	March 2021	In written form	Letter - appeal, signed by 150 residents of Gushkhun village, jamoat M.	Collectively	Safarov D, PIG Consultant	Request	Residents ask for help in the construction of a pedestrian bridge from the village of	MoT	4 months	This issue is in the stage of resolving

			Abdulloev, Vanj region of GBAO				Gushhun to the center of the district			
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Subcomponent 2.2. Strengthening flood and river bank protection infrastructure

1.	16/11/2018	verbal	KholovSheral i Deputy Chairman of the VoseHukuma t	Male	ALRI PMU Social Specialist Fayazova Z.	Request	Request for including Fayzobod site, Gulistonjamoat, Vose in the project area	To the management of the PMU FVWRM for consideration		The issue is being resolved at the ALRI and WB level
2.	14/02/2019	verbal	Ismoilzoda S., Deputy Chairman of Kulob	Male	ALRI PMU Social Specialist Fayazova Z.	Request	Request for including the site located between the airport and the free economic zone, jamoatZiraki, Kulob in the project area.	Submitted to the management of the PMU FVWRM for consideration		The issue is being resolved at the ALRI and WB level
3.	03/04/2019 No.34	in writing	City of Kulob, Chairman of JamoatDahan a M.Sirojov	Male	InomovO. Coordinator	Request	Request for assistance in the rehabilitation of the pedestrian bridge, Yokhsuchiyon village, Kulob	05.04.2019 Fayazova Z.	April 2019 Submitted to the management of the PMU FVWRM and the WB Mission for consideration	The issue is being resolved at the ALRI and WB level
4.	04/04/2019 No.96	in writing	Residents of the village of Mehrobod, JamoatGulist on, Vose district	Male/ Female	Khalimov H. Supervision Engineer	Gratitude	Gratitude for strengthening activities	05.04.2019 Fayazova Z.	Provided to the management of the PMU FVWRM	

5.	August 2019	in writing	Residents of the villages of Kulyab: Oftobliko, Bahoriston, Sangpar, Hakimobod, Korezi bolo, Korezipoyon	Male/ Female	OJSC “Obrason”	- Gratitude - Request	Gratitude for carrying out measures to strengthen the banks of the Dahana Channels, the airport zone of Kulob, and a request for assistance in rehabilitating parts of the left bank.	02.09.2019г. PMU FVWRM Fayazova Z.	Provided to the management of the PMU FVWRM for consideration	The issue is being resolved at the ALRI and WB level
6.	August 2019	in writing	Kulyab, Dahanajamoat. Residents of the village of Yokhsuchiyo n and Chairman of the Mahalla Committee Abdulloyev N.	Male/ Female	InomovO. Coordinator	- Gratitude - Request	Gratitude for carrying out measures to strengthen the left bank of the Dahana Channel, section 1 (a), near the village of Yokhsuchien, Kulob. Request for restoration of the dam L-250 meters, located next to site No. 1 (a), as a supply part for a pedestrian bridge.	06.09.2019 PMUFVWR MFayazovaZ	Provided to the management of the PMU FVWRM for consideration	The issue is being resolved at the ALRI and WB level
7.	04/09/2019	verbal	Deputy Chairman of the village "Khoja Iskhok"	Male	Fayazova Z.	Complaint	The project does not provide for sewage pipes at site No. 3, Khoja Iskhok village, Zirakijamoat, Kulob	05/09/2019 PMUFVWR M IskandarovN.	Completed in 10 days	05/09/2019. Reviewed and Satisfactory. On site No. 3, in 4 places 9 sewage pipes are

										installed.
8.	April 2019	in writing	Order of the Government of the Republic of Tajikistan		PMU Management	Request	On the search for funds for carrying out bank protection works on the right side of the Yakhsu bank, located in H. Rajabovjamoat, near the settlement "Kaftarkhona", Vose district			Completed. The new facility is included in the implementation area of SCINHP
9.	02/08/2019	in writing	Residents of the village of Chavrez Sari Parom Plot	Male/ Female	HalimovKh. Supervision Engineer	- Gratitude - Request	Gratitude for the restoration part of the dam on the left bank of the Surkhob River and a request to continue work on the same site, rehabilitation of the remaining 500 m.	12/09/2019 PMUFVWR M Fayazova Z.	Provided to the management of the PMU FVWRM for consideration	The issue is being resolved at the ALRI and WB level
10.	02/09/2019	in writing	Chairman of the jamoat A. Avazov, Kurbonova M.	Female	HalimovKh. Supervision Engineer	- Gratitude - Request	Gratitude for the restoration of a part of the dam on the left bank of the Surkhob River and a request to include in the project activities the section L-200m	12/09/2019 PMUFVWR M Fayazova Z.	Provided to the management of the PMU FVWRM for consideration	The issue is being resolved at the ALRI and WB level
11.	05/09/2019	in writing	Residents of Sari Parom mahalla, Jamoat A. Avazov, Vose district	Male/ Female	HalimovKh. Supervision Engineer	Gratitude	Gratitude to the Project and the Contractor for the restoration of the 581 m long dam at the Sari Parom site.	12/09/2019 PMUFVWR M Fayazova Z.	Provided to the management of the PMU FVWRM	The issue is being resolved at the ALRI and WB level

12.	12/09/2019	in writing	Hukumat of Vose district, Acting Chairman of the district, Azizov Sh.	Male	HalimovKh. Supervision Engineer	Gratitude	Gratitude to the project for supporting the restoration of destroyed dams.	12/09/2019 PMUFVWR M Fayazova Z.	Provided to the management of the PMU FVWRM	
13.	10/09/2019	in writing	Residents of the villages Kh. Kurbonov, Shobikai bolo and Ittifok, Jamoat Tugarak, Vose district	Male/ Female	HalimovKh Supervision Engineer	Gratitude	Gratitude to the project for carrying out measures to restore destroyed dams on the banks of the Yakhsu river	12/09/2019 PMUFVWR M Fayazova Z.	Provided to the management of the PMU FVWRM	
14.	10/09/2019	In writing, forwarded by ALRI	Residents of the village "Khoja Iskhok", Jamoat Ziraki, Kulob	Male/ Female	PMUFVWRM	Request	Request for restoration of the destroyed dam L-700m.	02/12/2019 PMUFVWR M Fayazova Z.	Provided to the management of the PMU FVWRM for consideration	The issue is being resolved at the ALRI and WB level
15.	03/10/2021	Verbally	Yusupov Nurmuhammad, the chairman of U. Nazarov jamoat, Kabadian district	Male	PMU	Gratitude	Gratitude to the project for carrying out measures to restore the destroyed dam	PMU/FVWR M Fayzova	Provided to the management of the PMU/ FVWRM	
Total under the Project										
Total number of appeals	Of these, complaints	Request, gratitude	Of these, complaints from women	Complaints resolved	Under review	Resolved in %				

26	8	18	4	8	0	100
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Annex4. Social monitoring plan of the project

Which parameter is to be monitored	Objective	Where will monitoring be carried out?	How the monitoring will be carried out	When?	Responsible person
Indicators					
The number of hired labour at the local level, with a definition of the number of women involved.	Review of employment agreements, work log and timesheet to determine the number of locally employed workers. Control over the flow of labor from the outside.	At the site	Visually	Quarterly	Social safeguard specialist, Environmental specialist, PIU MoF PIG MT PMU ALRI
Determination of the number of beneficiaries of the project, gender breakdown	Organizing and conducting meetings with the Heads of Local Hukumats and jamoats to collect information on the population affected by the project.	Hukumat and project areas	Meetings	If necessary	Sociologist and M&E specialist PIG MT PMU ALRI PIU MF
Compliance with the information component of the “Management Plan to reduce the Negative Impact on the	<u>Review of the implementation of the recommendations:</u> the presence of the information board next to the construction	Rushan, Vanj, Murghab,	Visually	At the beginning of construction	Engineer

Social Environment”	site and its corresponding design (indication of the name of the Project, Donor, Contractor organizations and deadlines).	Darvoz, Kulob, Vose, Kabadiyan		At the beginning of construction	
Managing requests	The presence of a box for complaints and suggestions, with contact details.	At the site	Visually	During the construction	Sociologist PIU MoF PIG MT PMU ALRI
Compliance with the conditions of work and rest	The presence of temporary trailers for recreation and food places for workers.	At the site	Visually	Monthly	Sociologist and M&E specialist
Compliance with safety regulations	Review for safety warning signs and fencing.	At the site	Visually	During construction	Sociologist and M&E specialist
Safety of workers and local residents. Production risks.	Determine the availability of personal protective equipment (masks, helmets, gloves, etc.), first aid kits, safety instructions and personnel training records. Determine cases of industrial injuries.	At the site	Visually	During construction	социолог, эколог
Noise and dust	Compliance with the ESMP.	At the site	Visually	During construction	Contractor, sociologist, ecologist and supervision specialist
Use of child labor	Identify cases of child labor on the construction site	At the site	Visually	During construction	Sociologist, ecologist

Annex5. Photo report on the Project implementation process

Photo report on the implementation of component 2.
Rebuilding bridges



Bridge No.3. Bored works



Bridge No.6. Completed support



Bridge No. 7. Pile concreting



Bridge No. 8. Bored works



Bridge No.9. Strengthening the slop



Bridge No.9.Okraska bridge railing



Bridge No. 14. Road signs



Bridge No.15. Strengthening the upper channel

Photo report on the restoration of bank protection structures



Vose. Dam restoration. Surkhob river.



Vose. Rebuilt dam. The village of Kaftarkhona. Yakhsu river



Kulyab. Yohsuchiyon village. River bank after restoration.



Vose. Yakhsu river. Rebuilt dam. Larhobi.



Kulyab. Rebuilt dam. Zarkala site



Kabadiyan. Fastening the apron



Kabadiyan. Construction of a pipe crossing



Kabadiyan. The process of making reinforced concrete slabs.



Kabadiyan. Preparing slopes



Component 2.2. Compliance with the terms of the ESMP



Component 2.1. Safety training



Component 2.1. Body temperature check



Component 2.2. Safety precautions and anti-covid procedure