

# Social Monitoring Report

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**PUBLIC**

Project No. 42173-017  
Semi-Annual Report (July – December 2024)  
January 2025

## Bhutan: Water Flagship Program Support Project

Prepared by the Project Management Unit, WFPSP, MOIT, Royal Government of Bhutan for the Asian Development Bank (ADB).

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## TABLE OF CONTENTS

<b>1.</b>	<b>Section I: Introduction (Background, Implementation Status and Progress in past 6 months)</b>	<b>1</b>
1.1	Overall Project Description and Objectives	1
1.2	Social Safeguards Category of Projects	2
1.3	Scope of the Report	2
1.4	Status of Project and Subproject Implementation	2
1.5	Institutional Arrangement for Social Safeguard Implementation	3
1.5.1	Project Management Unit	4
1.5.2	Project Implementation Unit	4
1.5.3	Project Management and Supervision Consultant	6
1.5.4	Civil Works Contracts and Contractors	6
1.5.5	Status of RP/DDR	8
<b>2</b>	<b>Section II: Social Safeguards monitoring – Scope of Impact and Mitigation Measures</b>	<b>8</b>
2.1	Scope of Impact and status update for the Reporting period	8
2.2	Resettlement Plan monitoring status	9
2.2.1	Scale and scope of the project's safeguards impacts, and mitigation measures proposed.	10
2.2.2	Status of entitlements matrix and other rehabilitation measures, as applicable, and as described in the approved final resettlement plan(s)	10
2.2.3	Status on Compensation and Rehabilitation	10
2.3	Grievance Redress Mechanism	11
2.3.1	Institutional arrangement for GRM	11
2.3.2	Grievance redress status at project site maintained by PIU	11
2.3.3	Grievance received during the reporting period and how it was addressed	11
2.3.4	Compliance with National Statutes and regulations	11
2.3.5	Compliance status of loan covenants	12
2.4	Update on compliance to mission recommendations for social safeguards	19
<b>3</b>	<b>Section III: Other Safeguards Compliance Issues</b>	<b>21</b>
3.1	Consultation Meetings	21
3.2	Capacity development training activities on safeguards compliance	21
<b>4</b>	<b>Conclusions and Recommendations</b>	<b>21</b>

## **APPENDICES**

Appendix 1: Identified & designated personnel for WFPSP Project Management Unit	24
Appendix 2: Identified and designated focal persons for Social Safeguards	25
Appendix 3: Photographs of site visit at WTP and Intake Site	26
Appendix 4: Photographs of site visit at Trunk main and distribution network at Pamtsho and Jungshina	27

## **LIST OF TABLES**

Table 1: Project Loan Details	1
Table 2: Status of Implementation of Project Components	2
Table 3: Details of WFPSP - Project Implementing & Monitoring & Supervision Staff	3
Table 4: Details of WFPSP - Project Implementing and Monitoring & Supervision Staff	4
Table 5: Incumbent Safeguards Officers by Project site	5
Table 6: WFPSP: Composition of the PMSC	6
Table 7: Summary & status of Project packages: Physical progress rate and financial progress	7
Table 8: Safeguards documents and links for access from ADB and Project website	8
Table 9: Compliance status by loan covenant item (Schedule 4)	12
Table 10: Summary of Required Actions based on SSMR (July-December 2024)	20
Table 11: Recommendations for taking up social safeguards activities	22

## ABBREVIATIONS

ADB	–	Asian Development bank
BHRM	–	Bhutan Resident Mission
BSR	–	Bhutan Schedule of Rates
DDR	–	Due diligence report
DES	–	Department of Engineering Services
DMS		Detailed Measurement Survey
GAP	–	Gender action plan
GESI	–	Gender Equality and Social Inclusion
GRM	–	Grievance redress mechanism
HIV/AIDS	–	Human immunodeficiency virus/acquired immunodeficiency syndrome
HISC		Health Information Service Center
MLD	–	Million liters a day
MOAL	–	Ministry of Agriculture and Livestock
MOIT	–	Ministry of Infrastructure and Transport
PAVA	–	Property Assessment and Valuation Authority
PIU	–	Project implementation unit
PPMS	–	Project performance management system
PMU	–	Project management unit
PMSC	–	Project management and supervision consultants
RAA	–	Royal Audit Authority
SSMR	–	Social Safeguards Monitoring Report
WSD	–	Water and Sanitation Division
WTP	–	Water Treatment plant
WFPSP	–	Water Flagship Program Support Project



# 1. Section I: Introduction (Background, Implementation Status and Progress in past 6 months)

## 1.1 Overall Project Description and Objectives

1. ADB is supporting the Royal Government of Bhutan (RGoB) to develop climate resilient agriculture and water supply schemes in Zhemgang, Wangdue Phodrang (Gasetsho-wom and Gasetsho-gom gewogs) and extend water supply in newly developing area in Pamtsho, Thimphu, under the RGOB's Water Flagship Programme Support Project (WFPSP).

2. The WFPSP will strengthen climate resilience of about 11,000 residents and/or farmers who suffer from water insecurity in Zhemgang and Wangdue Phodrang *dzongkhags* (districts) and Thimphu *thromde* (municipality), because of inadequate capacity to cope with climate variability. The project will build climate-and disaster- resilient systems through infrastructure development, digital technology, and capacity support of local communities and institutions.

3. The following are the project outputs of the WFPSP:

- (i) Output-1: Climate and disaster-resilient drinking water supply and irrigation infrastructure developed.
- (ii) Output-2: Climate-smart water management systems established.
- (iii) Output-3: Capacity, governance, and awareness of inclusive, resilient and sustainable water management strengthened.
- (iv) Output-4: Solutions for improved and climate resilient farmers' livelihoods introduced.

4. The WFPSP has a concessional loan and Grant component. Summary details of the Project Loan and Grant component are summarized below:

**Table 1: Project Loan Details**

Sl. No	Description	Amount <sup>1</sup>	Remarks
1	Project Cost	\$23.8 million	Project Number: 42173-017
2	Concessional loan	\$ 14.0 million	ADB Loan 4281
3	Grant-Asian Development Fund	\$ 6 million	ADF Grant-0874
4	Grant - JFPR	\$ 2 million	To be administered by ADB
5	Government contribution <sup>2</sup>	\$ 1.8 million	
6	Loan and Grant signing	12 December, 2022	
7	Loan effectiveness	14 January 2023	
8	Loan and Grant Closing	30 June 2030	Time Elapsed: 23%
9	Field Mission - reporting period / quarter	1	6-10 March, 2023

Source: Project Administration Manual

<sup>1</sup> Exchange Rate: 1 \$ US = 79.82 Nu

<sup>2</sup> Government contribution will finance (i) taxes and duties, (ii) land acquisition, re-settlement costs, (iii) incremental administration costs and (iv) contingencies.

5. As part of the reporting mechanism, to monitor the effective implementation of the Project, the Social Safeguard Monitoring Report (SSMR) is prepared to ensure the project conforms to social safeguards principles and best practices translated in Resettlement Plans (RP) or Due Diligence Reports (DDR) prepared prior to project implementation. The present Social Safeguard Monitoring Report, for the second half year, from July to December 2024, is prepared to report on the activities undertaken, work progress and follow-up actions, and will be continually reported in the subsequent SSMRs under the Project.

## 1.2 Social Safeguards Category of Projects

6. The project is categorized as “*Category B*” for involuntary resettlement as per ADB safeguard policies, implying that there would be potential restriction to access during pipe laying, potential temporary impacts in terms of temporary income loss due to disruption of access and there could be unanticipated impacts such as damage to private property during construction, hence there is a need to have good practices during construction, in line with the resettlement plan.

## 1.3 Scope of the Report

7. This is the fourth report in the series of SSMR which is being prepared semi-annually for submission and disclosure to ADB. The SSMR contains progress achieved in the reporting period spanning 6 months - July to December 2024. As a “*Category B*” project where access issues and unanticipated impacts to property during construction are foreseen, implementation and monitoring practices are imperative to achieve sound social development outcomes.

## 1.4 Status of Project and Subproject Implementation

8. A description of the status of implementation is presented in Table 2.

**Table 2: Status of Implementation of Project Components**

No.	Package No. and Description	Status
1	CW-01-Construction of Distribution Network for Pamtsho	The Contractor (Bhutan Engineering Construction Pvt. Ltd. commenced work effective 5/9/2023. As of end Dec. 2024, pipes of different diameter and excavation works are ongoing. The project activities will be implemented over 20 months.
2	DB-01-Design, build and Operate of Water Treatment Plant for Thimphu Pamtsho with 2-year O&M	The Contractor (EW Construction and Grannus Water & Environmental Solutions Pvt. Ltd.) commenced work effective 17/8/2023. In the last 6 months of 2024, the Contractor had taken up activities namely the construction of the administrative building and staff quarters, all proximate to the WTP and within the fenced premises. The project activities will be implemented over 18 months.
3	CW-02-Construction of Integrated drinking water and irrigation for system for Zhemgang including 2 years O&M	CDCL has been awarded the contract work for the Zhemgang package, and the work was awarded on 09.09.2024 with Work Order issued on 19.08.2024 and the contractor has fully mobilized manpower and machineries for the task.
4	DB-02: Construction of integrated drinking water and irrigation system for Hetsotsamchu including 3 years O&M	Bid documents are being prepared. The Contracting modalities are under discussions. This was initially required to be completed by 15 October 2023 but delayed. Planning to float the tender in Q1-2025

No.	Package No. and Description	Status
5	CW-04: Efficiency and resilience improvement for irrigation and drinking water supply (distribution) in Hetsotsamchu scheme	Designs and preparation of Bid Documents underway.  Planning to float the tender in Q1-2025

Source: WFPSP, Project Management Unit, MOIT

9. For the subproject in Zhemgang, namely CW-02-Construction of Integrated drinking water and irrigation for system for Zhemgang including 2 years O&M, the designs and bid documents have been evaluated and the letter of work award is about to be issued to the winning contractor. For the Hetsotsamchu subproject DB-02: Construction of integrated drinking water and irrigation system for Hetsotsamchu including 3 years O&M, the date of submission of Bid Document, was revised to 15 October 2023 but is still under preparation. For subproject CW-04: Efficiency and resilience improvement for irrigation and drinking water supply (distribution) in Hetsotsamchu scheme, the survey, data, and design have not commenced yet.

### 1.5 Institutional Arrangement for Social Safeguard Implementation

10. This section describes the actual implementation arrangement or any adjustment made to the institutional arrangement for managing the social safeguards issues in the projects. This includes the establishment of a safeguard's unit/team and appointment of staff in the executing agency/implementing agency; implementation of the Grievance Redressal Committee (GRM) and its committee; supervision and coordination between institutions involved in the management and monitoring of safeguards.

11. With regard to the updated institutional arrangements for project implementation, Table 3 shows the details of WFPSP - Project Implementing & Monitoring & Supervision Staff and the Social Safeguards Officers who currently are the focal persons for environmental and social and gender safeguards for the project. In essence, the designated personnel have remained the same as in the last reporting period. The PMSC Consultants have been recruited.

**Table 3: Details of WFPSP - Project Implementing & Monitoring & Supervision Staff**

Sl. No	Position / Designation	Name
1	Project Director	Director General, Department of Infrastructure Development
2	Project Coordinator	Officiating Chief Engineer, Water and Sanitation Division
3	Project Manager	Dy. EE, Water and Sanitation Division
4	Irrigation	Specialist
5	Agriculture focal	Dy. Chief Agriculture Officer
6	Accountant	Accountant, Finance Section, MoIT
7	Focal for Thimphu	Dy. EE, Water and Sanitation Division
8	Focal for Zhemgang	AE, Water and Sanitation Division
9	Focal for Wangdue Phodrang	Principal Engineer, Water and Sanitation Division
10	Irrigation focal, Zhemgang & Social Safeguards	Dy. EE, Irrigation Division
11	Irrigation focal, Hetsotsamchu & Environmental Safeguards Officer:	Dy. EE, Irrigation Division

Sl. No	Position / Designation	Name
12	Project Management & Supervision Consultants	Safeguards experts, consisting of Social Safeguards, Environmental safeguards, and a Gender Expert, have been recruited.
13	Social Safeguards Officer	Dy. EE, Irrigation Division
14	Environmental Safeguards Officer	Dy. EE, Irrigation Division
15	GESI focal	Dy. Chief Planning Officer, Policy and Planning Division, MoIT

Source: PMU, WFPSP, MOIT. Note that the identified officers for each of these positions are listed in Appendix 2.

### 1.5.1 Project Management Unit

12. The Project Management Unit (PMU) is located at the central level in Thimphu at the Ministry of Infrastructure and Transport (MOIT). A dedicated Project Manager for the project has been assigned since project commencement and continues to coordinate the project for MOIT. Table 4 shows the position/designation of personnel and the persons in the two ministries represented in the PMU namely the MOIT and MOAL has remained the same as in the last reporting period with no changes reported during the current reporting period.

**Table 4: Details of WFPSP - Project Implementing and Monitoring & Supervision Staff**

Sl. No	Position / Designation	Name
1	Project Director	Director, DOID
2	Project Coordinator	Officiating Chief Engineer, Water and Sanitation Division
3	Project Manager	Dy. EE, Water and Sanitation Division
4	Irrigation	Specialist
5	Agriculture focal	Dy. Chief Agriculture Officer
6	Accountant	Accountant, Finance Section
7	Focal for Thimphu	AE, Water and Sanitation Division
8	Focal for Zhemgang	AE, Water and Sanitation Division
9	Focal for Wangdue Phodrang	Principal Engineer, Water and Sanitation Division

Source: PMU, WFPSP, MOIT. Note that the identified officers for each of these positions are listed in Appendix 2

### 1.5.2 Project Implementation Unit

13. There are three PIUs established in each of the project Districts. In Thimphu, for the Pamtsho subproject, the PIU is based at Thimphu Thromde (Municipality). The PIU in Zhemgang is based at the Municipal Engineering and Agriculture sectors of the Zhemgang Dzongkhag Administration while the PIU for the Hetsotsamchu subproject at Wangdue is operated from the Engineering sector of the Wangdue Phodrang Dzongkhag Administration. The focal persons have been appointed for the implementation of the environmental and social safeguards in Table 5 and persons designated are presented in Appendix 1.

**Table 5: Incumbent Safeguards Officers by Project site**

No.	Position / Designation	Designation
1	<i>Project Implementation Unit – Thimphu</i>	
1.1	Project Manager	Chief Engineer, Infrastructure Division
1.2	Project Engineer	Engineer
1.3	Gender Equality and Social Inclusion (GESI) focal	Legal Officer
1.4	Environment Officer	Officiating Chief Environment Officer
1.5	Social Safeguard Focal	Sr. Urban Planner
2	<i>Project Implementation Unit – Zhemgang</i>	
2.1	Project Manager	Chief Engineer - Dzongkhag
2.2	Project Engineer	Assistant Engineer
2.3	Gender Equality and Social Inclusion (GESI) focal	District Livestock Officer
2.4	Environment Officer	District Environment Officer
2.5	Social Safeguard Focal	Assistant Engineer

Source: PMU, WFPSP, MOIT, note that the identified officers for each of these positions are listed in Appendix 3.

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\* The Ministry of Works and Human Settlement (MOWHS) erstwhile has been reorganized and renamed as Ministry of Infrastructure and Transport (MOIT).

### 1.5.3 Project Management and Supervision Consultant

14. The PMSC has been recruited. Table 6 presents the expertise which the PMSC comprises of. The PMSC will be based at the PMU in the MOIT:-

**Table 6: WFPSP: Composition of the PMSC**

Position/Area of Expertise		Name	Contact Details
<b>International Key Experts</b>			
1	Irrigation Specialist	Mr. Purushottam Timilsina	purutim@gmail.com
2	Drinking Water Supply Specialist	Mr. Prashant Malla	pmalla@yahoo.com
3	Instrumentation/Climate Smart Water Management Specialist	Mr. Amaresh Kumar Jha	jamresh@gmail.com
4	Procurement Specialist	Mr. Rakesh Regmi	rakeshregmi60@gmail.com
5	Disaster- and Climate-Change Resilience Specialist	Dr. Keshav Prasad Sharma	k_p_sharma@hotmail.com
6	Financial Management Specialist (tariff and user charges)	Mr. Phanindra Raj Regmi	phanindraregmi@gmail.com
<b>National Key Experts</b>			
7	Monitoring & Evaluation Specialist ( <i>Team Leader</i> )	Mr. Jiwan Nath Siwakoti	prcsbhutan@gmail.com
8	Geotechnical Engineer	Mr. Nar Bdr. Dhital	nbdhital@druknet.bt
9	Environmental Safeguards Specialist	Mr. Karma Chogyel	cleanbhutan@gmail.com
10	Social Safeguards Specialist	Mr. Megay Penjore	megay4penjore@gmail.com
11	Social Development and Gender Specialist	Mr. Rajesh Pradhan	rajpradhan2008@gmail.com
12	Financial Management Specialist	Mr. Bishnulal Gurung	blgurung2010@gmail.com
<b>Non-Key Experts (National)</b>			
13	Support Engineers- Construction Supervision (Civil)-1	Mr. Shabir Gurung	sahabirgurung02@gmail.com
14	Support Engineers- Construction Supervision (Civil)-2	Mr. Kamal Thapa	thapakam@gmail.com
15	Support Engineers- Construction Supervision (Civil)-3	Mr. Tek Bahadur Rai	teebeerai@yahoo.com
16	GIS specialist	Mr. Druk Tshering	

### 1.5.4 Civil Works Contracts and Contractors

15. Summary of the work packages and consultancy packages which have seen progressing during the reporting period are presented below. While the second column under the column title 'Status' shows overall physical progress of the sub-project, the last column under 'Completion cost' shows the utilization rate of project funds. The reporting period still saw only two work packages under Pamtsho, Thimphu under implementation while the Zhemgang project has been awarded to CDCL on 26/9/2024 and the Hetsotsamchu subproject is still in bid preparation phase.

**Table 7: Summary & status of Project packages: Physical progress rate and financial progress**

Sl. No.	Package No	Package Name	Status	Date of Commencement	Actual Completion date	Consultant
1	CS-01	Project Management and support consultant (PMSC)	Recruited	22/2/2024	22/8/27	Joint Venture of Environment Resources and Management Consultancy (P) Ltd. (ERMC) Nepal, Udaya Consultancy (P) Ltd. Nepal and Progressive Research and Consultancy Services, (PRCS) Bhutan
2	CW-01	Construction of Distribution Network for Pamtsho, Thimphu	86% Progress	5/9/2023	5/5/2025	M/ S Bhutan Engineering Corporation Pvt. Ltd
3	DB-01	Design, build and Operate of Water Treatment Plant for Thimphu Pamtsho with 2 years O&M	71% Progress	16/8/2023	17/2/2025	EW Construction Pvt. Ltd and Granus Water and Environmental Solution Pvt. Ltd.
4	CW-02-	Construction of Integrated drinking water and irrigation for system for Zhemgang including 2 years O&M	Bid Evaluation completed and work awarded to CDCL	To be awarded on 26/9/2024	27/9/2026	Construction Development Corporation Ltd.
5	DB-02:	Construction of integrated drinking water and irrigation system for Hetsotsamchu including 3 years O&M	Bid Document & Procurement Modalities to be Finalized	To be taken up in Q2, 2025		
6	G-01:	G-01-Design, Supply and Install and Operation of Climate Smart Water management system including 3-year O&M	Design and Bid Documents under preparation	To be taken up in Q2, 2025		

### 1.5.5 Status of RP/DDR

16. The resettlement plan for Pamtsho, Thimphu and DDRs for Zhemgang and Hetsotsamchu and a Resettlement Framework have been prepared for the projects. All these documents will serve as guiding documents for implementation of social safeguards during implementation of the construction work. The safeguards documents however will be revised in the event that the detailed measurement surveys reveal involuntary resettlement impacts entailing acquisition of land, impact on assets or livelihoods, individually or in conjunction with each other. The Project Safeguards team will revise the documents for review, acceptance by ADB and disclosure of these on the web sites of ADB and the MOIT.

17. The DMS has been completed by the contractor for Thimphu package CW-01 as it was explicitly mentioned as a recommendation in the last SSMR. The detailed survey for the Zhemgang package CW 02 is under way. The ADB website links to the documents disclosed in Table 8.

**Table 8: Safeguards documents and links for access from ADB and Project website**

No.	Report	Link in ADB website	MOIT website
1	Resettlement Framework for WFPSP	<a href="https://www.adb.org/projects/documents/bhu-42173-017-rf">https://www.adb.org/projects/documents/bhu-42173-017-rf</a>	<a href="https://www.moit.gov.bt/en/disclosure-of-environmental-and-social-">https://www.moit.gov.bt/en/disclosure-of-environmental-and-social-</a>
2	Resettlement Plan, Pamtsho (CW-01)	<a href="https://www.adb.org/projects/documents/bhu-42173-017-rp">https://www.adb.org/projects/documents/bhu-42173-017-rp</a>	
3	DDR, Zhemgang (CW-02)	<a href="https://www.adb.org/projects/documents/bhu-42173-017-sddr">https://www.adb.org/projects/documents/bhu-42173-017-sddr</a>	<a href="safeguard-reports-under-the-water-flagship-program-support-project/">safeguard-reports-under-the-water-flagship-program-support-project/</a>
4	DDR, Wangduephodrang Hetsotsamchu sub-project DB-02	<a href="https://www.adb.org/projects/documents/bhu-42173-017-sddr-0">https://www.adb.org/projects/documents/bhu-42173-017-sddr-0</a>	
5	WFPSP Project Administration Manual	<a href="https://www.adb.org/projects/documents/bhu-42173-017-pam">https://www.adb.org/projects/documents/bhu-42173-017-pam</a>	

### Summary of impacts identified and resettlement budget

18. Under CW-01, the original Resettlement Plan included a budget of Nu. 754,740.00 for compensation due to temporary income loss (for a seven-day disruption) and Nu. 455,240.00 for one-time vulnerability assistance (equivalent to five days' net income). PIU and contractor informed that there were no major disruptions as they provided sturdy planks for customer accessibility. This will be confirmed during field survey and reflected in next report.

19. Orientation and training for Contractors have been conducted for the Pamtsho subproject in previous quarters and the same has been carried out for CW 02 Zhemgang package and will follow for the Hetsotsamchu package CW 03 prior to start of the civil work.

## 2 Section II: Social Safeguards monitoring – Scope of Impact and Mitigation Measures

### 2.1 Scope of Impact and status update for the Reporting period

20. In this project, the potential involuntary resettlement impacts (temporary income loss) were anticipated arising from the implementation of project proponents. Corresponding avoidance and/or mitigation measures have been proposed in the social safeguard's documents contingent on the magnitude and nature of the impact.<sup>3</sup> The entitlement matrix developed during project preparation; which also is reflected in the RP documents will be applied in guiding eligibility and entitlements for compensation or other rehabilitation measures.

21. During the reporting period, a total of 18 km of trenches and pipes laid was carried out which was done manually. In stretches where there were shops, trenches were dug and laid in a single day so as not to hamper the shops from running their business. It is now 90% completed. However, the pipeline trenches are still a distance away from shops. Due to the Contractor choosing to undertake manual excavation rather than mechanical, it did not hamper the shops as no spoils were left and the approach to the shops was unhindered. The recommendations of the RP for CW-01 to provide temporary access to shops with walkways created over the trenches with sturdy wooden planks have been implemented by the Contractor so that there is uninterrupted access of customers to shops to ensure there is no loss of income when trenches in front of the shops are excavated and pipelines lain.



## 2.2 Resettlement Plan monitoring status

22. Under the project, there was no land acquired nor will any land be acquired during implementation. Hence, no compensations were required. However, possible impacts on businesses at Pamtsho was foreseen and a walk-through survey carried out during project preparation of affected businesses. During the reporting period, no involuntary resettlement impact due to project implementation has occurred along the water supply pipeline stretches in Pamtsho. The realignment of the main trunk-line in two sections was done but the sections are on government land so there are no concerns about involuntary resettlement impacts. These

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<sup>3</sup> One RP was prepared for WFPSP. A draft resettlement plan is prepared for the Thimphu water supply project and draft due diligence reports are prepared for the main transmission lines, bulk water supply, and irrigation subprojects in Zhemgang and Hetshosamchu, in line with ADB's Safeguard Policy Statement.

government lands are vacant and no private entities use this government land for any purpose. The RP will be updated accordingly.

23. Since the irrigation distribution network design in Zhemgang is still at the surveying stage at the time of project preparation so impacts on farmers' land will have to be assessed as soon as the contractor commences the work and completes the survey of the distribution network. The PIUs will conduct a detailed measurement survey and meaningful consultations with affected persons, beneficiaries of the projects as well as stakeholders. Likewise, in Hetsotsamchu project, if sections of the pipeline are re-aligned, the Contractor will also conduct the realignment survey and will ensure to avoid at all costs any private plots of land and locate the alignment on government land. Such avoidance measures will ensure that land acquisition and impact on villagers' assets are avoided and no compensation will need to be paid. Screening, assessment, and planning of these components will follow the resettlement framework prepared for the project.<sup>4</sup> As per the resettlement framework, subprojects screened and assessed to have significant (category A) involuntary resettlement impacts as per ADB SPS will not be considered under the project.

### **2.2.1 Scale and scope of the project's safeguards impacts, and mitigation measures proposed.**

24. During the reporting period, construction work is on full swing in the Thimphu, Pamtsho project (Construction of Distribution Network for Pamtsho, Thimphu – CW-01) and Design, build and Operate of Water Treatment Plant for Thimphu Pamtsho with 2 year – DB-01). During the implementation so far, no involuntary resettlement impacts on either peoples' land or properties has occurred during the reporting period. The PIU with the Contractor were advised to carry out a DMS already in the July-September quarter the outcome of the survey has revealed that no private land or properties have been affected.

25. It has been ascertained that any impacts on private land and other assets will be transitory and restorable, as indicated in the entitlement matrix. The Contractors so far has ensured minimal disruption to access facilities like roads and footpaths.

26. During the reporting period, main pipeline sections in a few areas which were carried out are all on government land.

### **2.2.2 Status of entitlements matrix and other rehabilitation measures, as applicable, and as described in the approved final resettlement plan(s)**

27. The entitlement matrix prepared as part of project preparation is still valid and will be used during project implementation in determining the eligibility and mode of compensations as they occur during implementation.

### **2.2.3 Status on Compensation and Rehabilitation**

28. During the project reporting period, no compensations were paid to any affected persons since no impacts were identified during the period. Civil works in the Thimphu, Pamtsho subprojects namely the distribution network and WTP construction are at full swing.

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<sup>4</sup> <https://www.adb.org/sites/default/files/linked-documents/42173-017-rfab.pdf>

## **2.3 Grievance Redress Mechanism**

29. This section describes the implementation of project GRM as designed in the approved resettlement plan and due diligence documents. The SSMR will evaluate GRM effectiveness, procedures, complaints received, timeliness to resolve issues/complaints and resources provided to solve the complaints. Special attention will be given if there are complaints received from the affected people or communities.

### **2.3.1 Institutional arrangement for GRM**

30. Under the coordination of PMU, a central-level GRM Committee has been formed. Similarly, the PIUs too have also established the GRM Committees for the sub-projects in Thimphu, Wangdue and Zhemgang. In a community consultative meeting held on 10 September 2023, the public were duly informed about the GRM and the processes involved in filing complaints and the persons to contact in case of any grievance related to the project's activities which may hinder them. The same will be carried out for the Zhemgang project (CW-02) once the distribution network survey is completed.

### **2.3.2 Grievance redress status at project site maintained by PIU**

31. GRM at the Thimphu, Pamtsho site, for the water supply distribution sub-project has been instituted. A person has been identified among the Contractor's personnel responsible to receive the grievance and coordinate the redressal of the complaint at site and within the stipulated time frame mentioned in the GRM section in the RP or DDR. The Contractor, has opened up register at site for recording grievances.

32. Whereas, for the WTP sub-project, in view of the site configuration for the WTP which is a fenced and self-contained area which already had a WTP, and with no settlements proximate to the area, the WTP sub-component has no grievances to date and also there are not expected to be any from the public. However, GRM if instituted is applicable for labour who may have grievances for Contractor management so it should be maintained at site. The Contractor was advised to maintain a register to record any grievances from their own labour as well as any grievances made by public members during the course of the project implementation.

### **2.3.3 Grievance received during the reporting period and how it was addressed**

33. The GRM is crucial for addressing grievances and complaints related to social, gender, and environmental issues in a timely and satisfactory manner. One complaint was received under CW-01. The Contractor confronted situations such as pipeline alignment running through the boundary wall at locations n558-n560 under CW-01. This grievance was amicably resolved through consultation with the owners by the PIU, Thimphu Thromde. A grievance was recorded on 15 October 2024 under CW-01, as documented in the GRM register maintained by the contractor and the PIU. The complaint concerned a pipeline passing through a stone boundary wall of one property owner. Following a consultation with the property owner, consent was granted to allow the pipeline installation through the wall. Restoration work was immediately carried out by Thimphu Thromde, and the issue was resolved amicably on 25 October 2024.

### **2.3.4 Compliance with National Statutes and regulations**

34. During this reporting period, the works undertaken at project site have been done in accordance with the existing urban planning rules and regulations for development of urban amenities (be it roads, drainage, water supply, and other civil structures) with national rules and standards. Hence, none of the instruments such as the Land Act 2007 clauses as well as the Land and Crop Compensation Rules 2022 have been invoked since no impacts necessitating assessment, compensation or rehabilitation emerged.

### 2.3.5 Compliance status of loan covenants

35. This section will summarize the compliance status of the project activities with the loan covenants, ADB SPS (2009) on SSMR 2 and the approved final resettlement plan.

**Table 9: Compliance status by loan covenant item (Schedule 4)**

No.	Loan Covenants (Social safeguards and Gender)	Status of Compliance	Action Required
Para 5	<p>Conditions for Award of Contract</p> <p>The Borrower shall not award any Works contract involving involuntary resettlement impacts until the Borrower has prepared and submitted to AD the final RP for such Works based on the Project's detailed design and obtained ADB's clearance of such RP.</p>	<p>There are no involuntary resettlement impacts in any of the sub-projects.</p> <p>For works which have been awarded namely Pamtsho (CW-01-Construction of Distribution Network for Pamtsho), Thimphu, the Contractor and PIU were recommended to carry out the DMS. However, the survey has been carried out by the contractor team and submitted to PIU/thromde. Based on the DMS, if any further impacts are identified, the RP and DDRs will accordingly be updated</p>	<p>DMS has been completed by the contractor and submitted to PIU for all subprojects after handover of Site to Contractor and commencement of work.</p>
Para 6	<p>Notwithstanding paragraph 5 above, the Borrower may award a Works contract involving involuntary resettlement impacts prior to the final RP for such Works contract having been submitted to and cleared by ADB if the contract:</p> <p>(a) is of a "design and build" or "turnkey" type under which the design must be completed for the Works contract before the relevant RP is updated to reflect the final project design; and</p> <p>(b) expressly provides that the installation and construction phase (and commencement thereof) is conditional upon: (i) a final RP for the Works contract based on the Works contract's detailed design having been submitted, and cleared by, ADB,</p>	<p>As ascertained during project preparation, there are no involuntary resettlement impacts in any of the sub-projects.</p> <p>It is expected that the contractor awarded the works after bidding for the sub-project in Hetsotsamchu (DB-02: Construction of integrated drinking water and irrigation system for Hetsotsamchu including 3 years O&amp;M), the Contractor will survey and design works and implement new alignment for a section of the pipe alignment. The PMSC Social Safeguards Expert will assess the changed alignment for involuntary resettlement impacts and update the RP. The same will be carried out after the survey and design of the irrigation distribution network is completed for the Zhemgang sub-project (CW-02- Construction of Integrated drinking water and irrigation for system for Zhemgang including 2 years O&amp;M)</p>	<p>Social assessment to be conducted following the completion of survey and finalization of the alignment at Zhemgang. The same will be done for Hetsotsamchu once the contractor work is awarded.</p>

No.	Loan Covenants (Social safeguards and Gender)	Status of Compliance	Action Required
	and (i) the Borrower having notified ADB and the contractor in writing that due consultation has been carried out, all required physical and/or economic displacement has been completed, and compensation and other entitlements have been provided to affected people in accordance with the RP.		
Para 8	Land Acquisition and Involuntary Resettlement	No land acquisition is required under the project as ascertained during project preparation	DMS (100%) has been completed and submitted to the PIU, Thimphu thromde, for CW-01 and DB-01 sub-projects.
	Para 8. The Borrower shall ensure, or cause each Subnational Government to ensure, that all land and all rights-of-way required for the Project and all Project facilities are made available to the Works contractor in accordance with the schedule agreed under the related Works contract, and that all land acquisition and resettlement activities are implemented in compliance with (a) all applicable laws and regulations of the Borrower relating to land acquisition and involuntary resettlement; (b) the Involuntary Resettlement Safeguards; (c) the RF; (d) all measures and requirements set forth in the respective RP; and (e) any corrective or preventative actions set forth in a Safeguards Monitoring Report.	Under CW-01, the pipeline was realigned to avoid impacts on private property. The realignment decision was based on a joint assessment conducted by the Contractor and the PIU, and the new alignment was shifted to government land. The Contractor and PIU jointly conducted an assessment after which the pipe was realigned on government land. For the sub-project in Hetsotsamchu (DB-02: Construction of integrated drinking water and irrigation system for Hetsotsamchu including 3 years O&M), where the Contractor will be required to conduct the re-survey of a section of the pipe alignment and design accordingly, the Contractor will be advised to ensure that the re-alignment of one section of the pipelines will not involve any private land acquisition and to restrict the alignment to government owned land. For CW 02, Zhemgang Package, the involuntary resettlement will only be certified once the survey for the distribution network is completed. For the main trunk line from the source, there are no impacts on private property. For distribution for Trong village and the municipality also there was no impact on private property as the distribution alignment followed the existing distribution network which was on government land and within the municipality the distribution lines are proposed along cable ducts.	

No.	Loan Covenants (Social safeguards and Gender)	Status of Compliance	Action Required
		Involuntary Resettlement Safeguards are taken into account while assessing avoidance of impacts and compensations to impacted persons;	
Para 9	Without limiting the application of the Involuntary Resettlement Safeguards, the RF or the RP, the Borrower shall ensure, or cause each Subnational Government to ensure, that no physical or economic displacement takes place in connection with the Project until: (a) compensation and other entitlements have been provided to affected people in accordance with the RP; and (b) a comprehensive income and livelihood restoration program has been established in accordance with the RP.	During the project period, in none of the sub-projects involuntary resettlement impacts were noted/taken place. The RP and DDRs prepared will be updated and revised during project implementation by the PMSC's social safeguards and gender specialist. The documents will be reviewed, approved and disclosed in the ADB and MOIT web sites.	The DDR for Zhemgang CW-02 will be updated once the distribution networks to end users of command areas are finalized.
Para 10	Indigenous Peoples The Borrower shall ensure, and cause each Subnational Government to ensure, that the Project does not have any indigenous peoples impacts	The category for Indigenous People is still "C" for the project.	
	within the meaning of the SPS. In the event that the Project does have any such impact, the Borrower shall take all steps required to ensure that the Project complies with the applicable laws and regulations of the Borrower and with the SPS.		
Para 11	The Borrower shall make available necessary budgetary and human resources to fully implement each EMP and RP.	The implementing agency has identified the focal persons for social, gender and environmental safeguards implementation at the PMU and PIUs. The budgets allocated for safeguards have been provisioned. During the reporting period, Focal persons for sub-projects' works awarded to Contractors for Pamtsho, Thimphu sub-projects (distribution line works and WTP) and CW 02 Zhemgang package have been provided awareness program.	The PIU and PMU and PMSC will continue to monitor compliance to provisions in the EMP and RPs and DDRs.

No.	Loan Covenants (Social safeguards and Gender)	Status of Compliance	Action Required
Para 12	<p>Safeguards – Related Provisions in Bidding Documents and Works Contracts.</p> <p>The Borrower shall ensure, or cause each Subnational Government to ensure, that all bidding documents and contracts for Works contain provisions that require contractors to:</p> <p>(a) comply with the measures and requirements relevant to the contractor set forth in each IEE, EMP and RP (to the extent that concern impacts on affected people during construction), and any corrective or preventative actions set out in a Safeguards Monitoring Report;</p> <p>(b) make available a budget for all such environmental and social measures;</p> <p>(c) provide the Borrower and the relevant Subnational Government with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the relevant IEE, EMP, or RP;</p> <p>(d) adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and</p> <p>(e) fully reinstate pathways, other local infrastructure, and agricultural land to at least the pre-project condition upon the completion of construction.</p>	<p>Safeguards provisions have been included in the bidding documents and contracts signed with contractors. The provisions were further discussed and clarified for contractors during the safeguards orientation/training carried out for Contractors and PMU by Consultant of the Thimphu, Pamtsho sub-projects (water distribution network and WTP construction). The same will be done once Contractors are in place for the Hetsotsamchu and Zhemgang sub-projects once awarded.</p>	<p>Training to be carried out for Contractors for sub-projects' works awarded to Contractors for the Hetsotsamchu</p>

No.	Loan Covenants (Social safeguards and Gender)	Status of Compliance	Action Required
Para 13	<p>Safeguards Monitoring and Reporting</p> <p>The Borrower shall do the following, or shall cause each Subnational Government to do the following:</p> <p>(a) submit semi-annual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission;</p> <p>(b) if any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in any IEE, EMP, or RP, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan; and</p> <p>(c) report any actual or potential breach of compliance with the measures and requirements set forth in any EMP or RP promptly after becoming aware of the breach.</p>	<p>SSMR from July-December 2024) had been prepared and submitted. The PIUs will conduct consultations with the people living in the project area and affected persons prior to start of the work. Minutes of the meeting, signed attendance sheets and photographs will be recorded.</p> <p>The PIUs and PMSC will closely monitor safeguards implementation according to the EMPs and RP/s prepared for each sub-project. Risks and impacts identified during implementation will be addressed along with any actual or potential breach of compliance through corrective action plans, as applicable.</p>	<p>For packages CW-01 and DB-01 After the consultation carried out on 10 October 2023, no other consultation has been carried out.</p> <p>Consultations has been carried out for the Zhemgang package, CW-02 on 20 Nov. 2024 during the field visit in Nov. 2024. Continuous consultations will be carried out in all sites, including Hetsotsamchu.</p>
Para 14	<p>Prohibited List of Investments</p> <p>The Borrower shall ensure, or cause each Subnational</p>	<p>This has been complied with. The PMU and PIU are aware of the prohibited investments.</p>	

No.	Loan Covenants (Social safeguards and Gender)	Status of Compliance	Action Required
	Government to ensure that no proceeds of the Loan are used to finance any activity included in the list of prohibited investment activities in Appendix 5 of the SPS.		
Para 15	<p>Labor Standards, Health and Safety</p> <p>The Borrower shall ensure, or cause each Subnational Government to ensure, that the core labor standards, the Borrower's applicable laws and regulations, and any applicable laws and regulations of any Subnational Government, are complied with during Project implementation. The Borrower shall include specific provisions in the bidding documents and contracts financed by ADB under the Project requiring that the contractors, among other things: (a) comply with the Borrower's applicable labor law and regulations and incorporate applicable workplace occupational safety norms; (b) do not use child labor; (c) do not discriminate workers in respect of employment and occupation; (d) do not use forced labor; (e) allow freedom of association and effectively recognize the right to collective bargaining; and (f) disseminate, or engage appropriate service providers to disseminate, information on the risks of sexually transmitted diseases, including HIV/AIDS, to the employees of contractors engaged under the Project and to members of the local communities surrounding the Project area, particularly women.</p>	<p>Clauses have been included in the contract agreement as per the Bhutan Labour Act 2007 for compliance which will be monitored during implementation by Labour Inspectors of the Ministry of Industry, Commerce and Employment, the PIU and the PMSC during its site visits.</p> <p>The PIUs will also coordinate to create awareness about STDs and AIDS among Contractors' workers and resident communities during the project implementation.</p>	<p>PIUs to monitor these and provide data to the Consultants for preparing the periodic QPRs and SSMRs and EMRs.</p> <p>For the Zhemgang package the core labor standards and safety and health orientation was carried out during the field visit.</p> <p>Zhemgang</p> <p>For the Wangdue package, the core labor standards and Safety and health orientation will be carried out.</p>
Para 16	The Borrower shall strictly monitor compliance with the requirements set forth in paragraph 15 above and provide ADB with regular reports.	<p>The works when started by the Contractors in each of the sub-components will be monitored for compliance and reported in the subsequent QPR and SSMR.</p> <p>In the Pamtsho, Thimphu sub-project, it</p>	

No.	Loan Covenants (Social safeguards and Gender)	Status of Compliance	Action Required
		was reported that there are 58 expatriate workers all of whom are male. There are no children employed at the project site.	
Para 17	<p>Gender and Development</p> <p>The Borrower shall ensure that (a) the GAP is implemented in accordance with its terms; (b) the bidding documents and contracts include relevant provisions for contractors to comply with the measures set forth in the GAP; (c) adequate resources are allocated for implementation of the GAP; and (d) progress on implementation of the GAP, including progress toward achieving key gender outcome and output targets, are regularly monitored and reported to ADB.</p>	<p>The GAP prepared for the project will be implemented by the Consultant recruited to oversee the implementation and monitoring of the GAP in collaboration with the GESI Focal Persons identified in the PMU and PIUs.</p> <p>All bidding documents need to include provisions and measures for gender; this has not been complied for Thimphu and for the rest of the project sites, we are yet to see the safeguards clauses in the Wangduephodrang contract doc.</p> <p>Funds for implementation of the GAP have been allocated under the Project.</p> <p>Progress and achievement of outputs and outcomes to be monitored during implementation of the GAP. The progress of GESI action plan implementation will be closely reviewed and monitored at each ADB review mission and incorporated in the quarterly progress reports as well as evaluation reports and sent to ADB. The GAP monitoring reports will be submitted by PMU semi-annually to ADB (PAM, para 122).</p>	<p>To ensure the effective integration of gender-sensitive measures and alignment with ADB's Gender Policy, GAP components must be included in all future sub-projects, including the Wangduephodrang contract bidding document. The followings clauses are required to be incorporated in bidding document for compliance such as;</p> <p>(i) Include clear gender clauses in the bidding documents for the Wangduephodrang sub-project specify adherence to core labour standards, with explicit provisions to prevent gender-based discrimination and promote equal pay for equal work (core labour standards).</p> <p>(ii) Establish a clause to prioritize employment opportunities for Female-Headed Households (FHHs) in both skilled and unskilled roles.</p> <p>(iii) Provide capacity-building training to FHHs to enhance their employability within the project.</p> <p>(iv) Ensure that contractors report</p>

No.	Loan Covenants (Social safeguards and Gender)	Status of Compliance	Action Required
			<p>regularly on gender-related progress, such as the number of women employed and the nature of roles assigned.</p> <p>(v)Assign a dedicated Gender Specialist or Social Safeguard Officer to monitor GAP implementation across all sub-projects.</p> <p>(vi)Emphasize the importance of fostering a safe and inclusive work environment for women in the contractor's site.</p>

#### **2.4 Update on compliance to mission recommendations for social safeguards**

36. ADB Review Missions provide recommendations for the implementation and monitoring of safeguards, which are carried out by the PIU, PMSC, PMU, and the Contractor. With the recruitment of the PMSC, which includes a Social Safeguards Specialist, Gender Expert, and Environmental Expert, the project now has dedicated support for the implementation of social safeguards, environmental safeguards, as well as the Gender Action Plan.

**Table 10: Summary of Required Actions based on SSMR (July-December 2024)**

Package No.	Package Description	Social Safeguards Compliance Issue	Correction Action to be taken	Responsible	Timeline	Compliance Status*
CW-01	Construction of Distribution Network for Pamtsho, Thimphu	Owing to this, the Contractor confronted situations such as pipeline alignment running through the boundary wall at locations n 558-n560 under CW-01.	All necessary safeguard measures were implemented to avoid any adverse impacts on private assets.  The grievance raised was amicably resolved by Thimphu Thromde.	PIU and Contractors	May-June 2024	Complied
DB-01	Design, build, and Operate of Water Treatment Plant for Thimphu Pamtsho with 2 years O&M	No issue thus far.	Not required	Not required	NA	NA
CW-02	Construction of an Integrated drinking water and irrigation system for Zhemgang, including 2 years of O&M	In the month of 7 November 2024, there was one grievance received. (i) Complaint received from Ms. Tshamchung regarding pipeline during survey fall in the center of the private land.	(i) The alignment can be shifted.	(i) Zhemgang Municipality	To be reported in the Jan-June 2025 SSMR	The pipeline was shifted along the boundaries between Telecom and her plot boundary; grievance redressed ongoing and will be reported in the next report.

### **3 Section III: Other Safeguards Compliance Issues**

#### **3.1 Consultation Meetings**

37. One awareness campaign has been held and other such consultations are to be held, as and required, under the project with project stakeholders, beneficiaries and affected people including vulnerable persons resident in the project area. This section describes public participation and consultative activities during the project implementation as agreed in the plan.

38. For the CW-01 and DB-01 projects, an initial consultation meeting for the Pamtsho, Thimphu sub-project was conducted on 10 September 2023 at Zilukha Middle Secondary School. During this event, the PIU presented project details, the contractor elaborated on the components, expected work, impacts, and timeline, while ADB's environmental and social consultants discussed potential impacts, mitigation measures, and the GRM. No further formal consultations were held thereafter. Consultations will continue throughout the project implementation and may include community meetings, focus group discussions, one-on-one meetings, interviews, and informal interactions with PIU staff and site engineers at project locations.

#### **3.2 Capacity development training activities on safeguards compliance**

39. During the previous project period, an Environmental and Social Safeguards Orientation was conducted for the PIU and contractors on 24 August 2023. In addition, a training session was held on 30 August 2023 for PIU and contractor representatives involved in the Pamtsho, Thimphu sub-projects, which include the water supply distribution network and WTP construction. Further, on 20 November 2024, the PMSC Social Safeguards and Gender Expert, along with the Environmental Expert, conducted induction training for the Zhemgang CW-02 contractor and their team. This session covered Social Safeguards and Gender Equality and Social Inclusion (GESI), and environmental aspects incorporated the 12 principles of the ADB SPS, 2009.

### **4 Conclusions and Recommendations**

40. As of the reporting period from July 2024 to December 2024, the civil works are under full swing at the Pamtsho, Thimphu sub-projects. Two separate contractors have been awarded, namely the water supply distribution network (Bhutan Engineering Construction Pvt. Ltd.) and the development of the WTP (East-West Construction Pvt. Ltd.). M/s Construction Development Corporation Ltd. (CDCL) has been awarded the Zhemgang package (CW-02) and the contractor has been fully mobilized and survey and other works are under full swing.

41. In terms of institutional arrangements for safeguards staff, the focal persons have been identified and are braced to take on their responsibilities respectively out of central, Dzongkhag and PIU offices. From the initial period of appointing the focal persons, there have been a few changes of personnel taking up safeguard's coordination for the project, namely at Thimphu Thromde the Urban Planner has taken over from the Senior Urban Planner as the Social & Gender Focal Person.

42. The Resettlement Plan and DDRs have been prepared following ADB's SPS, 2009, and relevant national policies to guide the implementation of social safeguards. These documents are based on the entitlement matrix and safeguard measures developed during the project preparation

phase. In addition, a Resettlement Framework has been developed to support the preparation of future social safeguard documents, including Resettlement Plans and DDRs. These documents will be revised and updated as necessary, depending on whether any impacts are identified during implementation. To date, no involuntary resettlement impacts have been reported in the Pamtsho, Thimphu sub-projects. For the Zhemgang CW-02, a detailed survey is currently underway, with progress at 11.3% as of this reporting period.

43. The GRM developed for the project is operational at the CW-1 at Thimphu site. The GRM Committees have been instituted at the central and two PIUs in Wangdue and Zhemgang. Contractors and PIUs for the Thimphu sub-projects have been oriented and trained on social safeguards of which GRM is an important component. Training for remaining PIU will follow on recruitment of Contractor. Grievances have been documented and maintained by the contractor. The PMU will ensure that Contractors, PIUs and PMSC receives grievances/complaints proactively and more importantly, addresses grievances in a relatively short turnaround time.

44. The social safeguards implementation should fully comply with existing national laws (Land Act 2007) and PAVA Compensation Rates 2022 for land and crop compensation. Where inadequate, the Entitlement Matrix specifying measures for redressal should be used. The loan covenants with regard to social safeguards should also be complied with as well as to the core labour standards. Health and safety measures at work site and community ensuring that communicable diseases such as HIV/AIDS need to be closely followed according the established protocols. However, awareness programs for all project personnel namely Contractors and workers at site have to be executed by the PIUs.

45. It is incumbent upon the project implementation staff namely at the site and PIUs to provide accurate and timely information when requested to the PMU and PMSC so that the quarterly and semi-annual reporting obligations of the project are fulfilled. While the PMSC through the PMU shall make timely requests, the PIU will ensure that such data is not delayed for submission. The PIU will also continue to undertake consultations with community people, beneficiaries, potential affected persons and other stakeholders in the project area.

46. The training and orientation of Contractors and PIU staff is important to ensure that all implementing staff are well informed of safeguards requirements of ADB and are adequately prepared to apply the principles and practices of social safeguards under the project during implementation. During the project period, training for the Zhemgang Integrated Water Supply and Irrigation Scheme staff have been trained. The same should be followed for the subproject in Wangdue. The following are the recommendations to be considered for implementation by the PMU and PIUs in the next few months:

**Table 11: Recommendations for taking up social safeguards activities**

No.	Actions	Responsibility	Target Date	Status
1	Mission requested the names of designated focal persons for social safeguards	MOIT, DOID		Social safeguards focal persons identified. Names and contact details provided in Appendix 2 of this SSMR.

No.	Actions	Responsibility	Target Date	Status
2	Issuance of Government Order on GRM	PMU		GRM Committee at MOIT identified. Committees at PIU also have been identified. Office Order for central GRC was issued on and is in place.
3	Updating of documents	PMU	End of December 2024	Civil works started only at the Pamtsho, Thimphu sub-project. The DMS is done by the contractor in May-June 2024 and report submitted to PIU, Thromde. The works at the Zhemgang site has started and detailed survey is being carried out. On completion of DMS, if there are impacts on private land and assets, the updating of safeguards documents namely the IEE, EMP, DDR and RPs will be taken up by the PMSC or ADB Consultants. The same will be applied for the Wangdue package once the contractor is mobilized. In the event of design modifications or location changes from what is reflected in the original social safeguards documents, the social safeguards documents must be updated to incorporate the assessment and DMS based on the detailed design, and ADB's clearance sought.
4	Prepare a CAPP within first quarter and semi-annual report by July 2023	PMU		CAPP shared with ADB and cleared on 16 August. and progress will be reported in the next SSMR.

47. The socioeconomic survey, field visits and consultations do not reveal the presence of any distinctive and separate indigenous people living in the project areas. The project will not have any impacts on indigenous peoples. The project hence for indigenous people was categorized as "C" and this remains the same at the onset of commencement of the project.

48. Similarly, the Zhemgang Package also does not reveal the presence of any distinctive and separate indigenous people living in the project areas.

### Appendix 1: Identified & designated personnel for WFPSP Project Management Unit

Sl. No	Position / Designation	Name	Contact
1	Project Director	Mr. Karma Dupchuk, Director, DOID	<a href="mailto:kdupchuk@mowhs.gov.bt">kdupchuk@mowhs.gov.bt</a>
2	Project Coordinator	Ms. Tshering Choden, Officiating Chief Engineer, WSD	<a href="mailto:tsheringchoden@moit.gov.bt">tsheringchoden@moit.gov.bt</a>
3	Project Manager	Ms. Chimi Dema, Dy. EE, WSD	<a href="mailto:cdema@moit.gov.bt">cdema@moit.gov.bt</a>
4	Irrigation	Mr. Thinley Gyamtsho,	<a href="mailto:tgyamtsho@moal.gov.bt">tgyamtsho@moal.gov.bt</a>
5	Agriculture focal	Mr. Tsheltrim, Dy. Chief Agriculture Officer	<a href="mailto:tshetrim@moal.gov.bt">tshetrim@moal.gov.bt</a>
6	Accountant	Mr. Yad Bdr. Rai, Accountant, Finance Section	<a href="mailto:yadrai@moit.gov.bt">yadrai@moit.gov.bt</a>
7	Focal for Thimphu	Ms. Ugyen Yangchen, AE, WSD	<a href="mailto:uyangchen@moit.gov.bt">uyangchen@moit.gov.bt</a>
8	Focal for Zhemgang	Mr. Kharka Bahadur Rana, AE, WSD	<a href="mailto:kbrana@moit.gov.bt">kbrana@moit.gov.bt</a>
9	Focal for Wangdue Phodrang	Mr. Karma, Principal Engineer, WSD	<a href="mailto:karma1@moit.gov.bt">karma1@moit.gov.bt</a>
10	Irrigation focal, Zhemgang & Social Safeguards	Mr. Sonam Gyeltshen, Engineer, Irrigation Division	<a href="mailto:sgyeltshen@moit.gov.bt">sgyeltshen@moit.gov.bt</a>
11	Irrigation focal, Hetsotsamchu & Environmental Safeguards Officer	Ms. Ugyen Dema, Engineer, Irrigation Division	<a href="mailto:udema@moit.gov.bt">udema@moit.gov.bt</a>
12	Project Management & Supervision Consultants	Recruited	

## Appendix 2: Identified and designated focal persons for Social Safeguards

### Project Management Unit

Sl. No	Position / Designation (Safeguard Implementation)	Name	Contact
1.	<i>Project Management Unit (MoIT &amp; MoAL), Thimphu</i>		
1.1	Social Safeguards Focal Person	Mr. Sonam Gyeltshen, Engineer, Irrigation Division	<a href="mailto:sgyeltshen@moit.gov.bt">sgyeltshen@moit.gov.bt</a>
2.	<i>Project Implementation Unit – Thimphu</i>		
2.1	Social Safeguard Focal	Mr. Kezang Dorji, Urban Planner	<a href="mailto:kezangd@tto.gov.bt">kezangd@tto.gov.bt</a>
2.2	GESI focal	Ms. Phub Dem, Legal Officer	<a href="mailto:pdema@tto.gov.bt">pdema@tto.gov.bt</a>
3.	<i>Project Implementation Unit – Zhemgang</i>		
3.1	Social Safeguards Focal	Mr. Thukar, Assistance Engineer	<a href="mailto:thukarzhemgang82@gmail.com">thukarzhemgang82@gmail.com</a>
3.2	GESI focal	Mr. Ugyen Lhendup, District Livestock Officer	<a href="mailto:ugyenlhendup24@gmail.com">ugyenlhendup24@gmail.com</a>
4.	<i>Project Implementation Unit - Wangdue Phodrang</i>		
4.1	Social Safeguards Focal	Mr. Jigme Dorji, District Planning Officer	<a href="mailto:tashid@wangduephodrang.gov.bt">tashid@wangduephodrang.gov.bt</a>
4.2	GESI focal	Ms. Dechen Wangmo, Economic Development Officer	<a href="mailto:dechenwangmo@wangduephodrang.gov.bt">dechenwangmo@wangduephodrang.gov.bt</a>

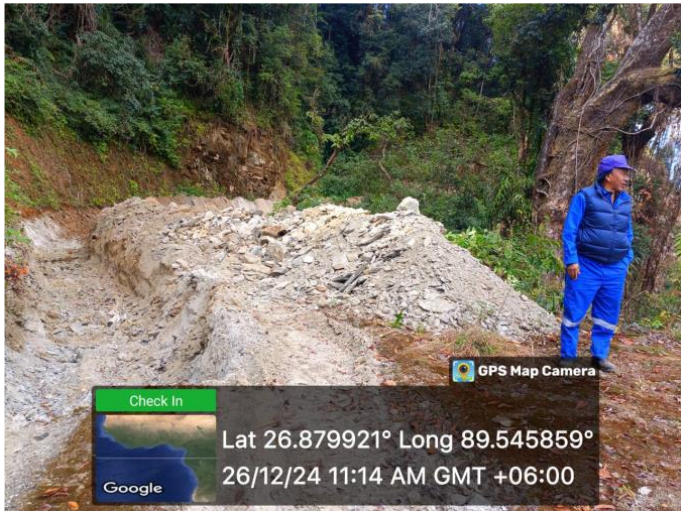
### Appendix 3: Photographs of site visit at WTP and Intake Site



Enclosed Site Office and Staff Quarters (CDCL)



Quarantine Facility, Mess and Labour Camp (CDCL)



Site Inspection – Trenching for Main Transmission Line (+/- 5.00 km)



Survey works for Curvature correction and WTP

#### Appendix 4: Photographs of site visit at Trunk main and distribution network at Pamtsho and Jungshina



Soling for Chain Link Fencing



Reconstruction and repair for damaged walls complete



Briefing on OHS and Hygiene by Experts



Plinth Protection for ADM Building



230cum tank Fabrication and Erection



Random Rubble Masonry Wall Construction