

Grant Recipient: Royal Government of Bhutan

Project Implementing Entity: Druk Green Power Corporation Limited

Sustainable Hydropower Development Project

**DRAFT ENVIRONMENTAL and SOCIAL
COMMITMENT PLAN (ESCP)**

November 11, 2021

ENVIRONMENTAL AND SOCIAL COMMITMENT PLAN

1. The Royal Government of Bhutan is implementing the Bhutan Sustainable Hydropower Development Project (the **Project**), with the involvement of the Druk Green Power Corporation Limited (DGPC) as the implementing entity and the Department of Hydropower and Power Systems of the Ministry of Economic Affairs. The International Development Association (hereinafter the Association) has agreed to provide financing for the Project.
2. The Royal Government of Bhutan will implement material measures and actions so that the Project is implemented in accordance with the Environmental and Social Standards (**ESSs**) of the World Bank and any applicable domestic laws. This Environmental and Social Commitment Plan (**ESCP**) sets out material measures and actions, any specific documents or plans, as well as the timing for each of these.
3. The Royal Government of Bhutan will also comply with the provisions of any other environmental and social (E&S) documents required under the Environment and Social Framework (ESF) and any applicable domestic laws and referred to in this ESCP, such as the updated Environmental and Social Impact Assessment (ESIA) and Environmental and Social Management Plan (ESMP), updated Resettlement Action Plan (RAP) and Stakeholder Engagement Plan (SEP), and the timelines specified in those E&S documents.
4. The Royal Government of Bhutan is responsible for compliance with all requirements of the ESCP even when implementation of specific measures and actions is conducted by the Ministry, agency or unit referenced in 1. above.
5. Implementation of the material measures and actions set out in this ESCP will be monitored and reported to the Association by the Royal Government of Bhutan as required by the ESCP and the conditions of the legal agreement, and the Association will monitor and assess progress and completion of the material measures and actions throughout implementation of the Project.
6. As agreed by the Association and the Royal Government of Bhutan, this ESCP may be revised from time to time during Project implementation, to reflect adaptive management of Project changes and unforeseen circumstances or in response to assessment of Project performance conducted under the ESCP itself. In such circumstances, Royal Government of Bhutan, through Druk Green Power Corporation Limited, and the Association will agree to the changes and will update the ESCP to reflect such changes. Agreement on changes to the ESCP will be documented through exchange of letters signed between the Association and Royal Government of Bhutan, through Druk Green Power Corporation Limited, and Royal Government of Bhutan, through Druk Green Power Corporation Limited, will promptly disclose the updated ESCP.
7. While it is not anticipated that there would be any Project changes, unforeseen circumstances, or Project performance resulting in changes to the risks and impacts during Project implementation, in the event that such risks and impacts materialize, the Royal Government of Bhutan shall implement actions and measures to address such risks and impacts.

MATERIAL MEASURES AND ACTIONS		TIMEFRAME	RESPONSIBLE ENTITY/AUTHORITY
MONITORING AND REPORTING			
A	<p>REGULAR REPORTING</p> <p>Prepare and submit to the World Bank regular monitoring reports on the progress of various environmental and social planning tasks under the Technical Assistance (TA) project, including but not limited to the implementation of the ESCP, status of preparation and implementation of E&S documents required under the ESCP, stakeholder engagement activities, etc.</p>	<i>Quarterly progress reporting</i>	Druk Green Power Corporation Limited
B	<p>INCIDENTS AND ACCIDENTS</p> <p>Promptly notify the World Bank of any incident or accident related to the TA Project which has, or is likely to have, a significant adverse effect on the environment, the affected communities, the public or workers. Provide sufficient detail regarding the incident or accident, indicating immediate measures taken or that are planned to be taken to address it, and any information provided by any contractor and supervising entity, as appropriate. Subsequently, as per World Bank's request, prepare a report on the incident or accident and propose any measures to prevent its recurrence.</p>	<i>Notify the World Bank within 48 hours after learning of the incident or accident and provide the World Bank a subsequent report on the details of the incident and actions taken as requested by the World Bank</i>	Druk Green Power Corporation Limited
ESS 1: ASSESSMENT AND MANAGEMENT OF ENVIRONMENTAL AND SOCIAL RISKS AND IMPACTS			
1.1	<p>ORGANIZATIONAL STRUCTURE</p> <p>Establish and maintain an organizational structure with qualified Environmental Specialist and Social Development Specialist to support the assessment and management of E&S risks for the TA project.</p>	<i>Within 2 months from Project effectiveness.</i>	Druk Green Power Corporation Limited
1.2	<p>ENVIRONMENT AND SOCIAL PANEL OF EXPERTS</p> <p>Establish and maintain an independent Environmental and Social Panel of Experts (ESPoE) acceptable to the World Bank. The ESPoE will be comprised of a highly qualified and competent Environmental Specialist and a Social Development Specialist with experience in advising and assessing risks and impacts of hydropower projects.</p>	<i>Within 4 months from Project Effectiveness.</i>	Druk Green Power Corporation Limited

MATERIAL MEASURES AND ACTIONS		TIMEFRAME	RESPONSIBLE ENTITY/AUTHORITY
1.3	<p>MANAGEMENT TOOLS AND INSTRUMENTS</p> <p>Develop TORs for the updating of the Environmental and Social Impact Assessment (ESIA) and Environmental and Social Management Plan (ESMP), including Cumulative Impact Assessment (CIA) and submit them to the World Bank for review and clearance. The ToRs will subsequently be disclosed for stakeholder consultations further outlined in section 10.3 of ESS10. The ToRs will be disclosed prior to issuing the bidding documents for conduct of the assessments and preparation of plans.</p>	<p><i>Within 2 months from TA Project effectiveness but before issuing bidding documents for the conduct of the assessments and planning</i></p>	<p>Druk Green Power Corporation Limited</p>
1.4	<p>ENVIRONMENTAL AND SOCIAL ASSESSMENT</p> <p>Update the ESIA and ESMP, including integrating pertinent parts of the CIA into the ESIA, according to the TOR agreed in 1.3 above.</p> <p>Disclose acceptable draft E&S documents (ESIA, ESMP, RAP, SEP) for stakeholder consultations further outlined in section 10.3 of ESS10.</p>	<p><i>Updated ESIA/ESMP to be finalized, approved and disclosed prior to the end of the TA Project</i></p>	<p>Druk Green Power Corporation Limited</p>
1.5	<p>ENVIRONMENTAL AND SOCIAL INSTRUMENTS</p> <p>Carry out environmental and social planning based on the updated ESIA, and in line with relevant domestic laws and ESF. Environmental and social Instruments to be updated/prepared include:</p> <ul style="list-style-type: none"> • ESIA and ESMP including gender and vulnerability action plan, gender-based-violence (GBV) action plan, etc. • Cumulative impact assessment (CIA) • Labor Management Procedure • Resettlement Action Plan • Stakeholder Engagement Plan 	<p><i>Acceptable drafts to be disclosed for consultations and thereafter finalized, approved and redisclosed prior to the end of the TA Project.</i></p>	<p>Druk Green Power Corporation Limited</p>

MATERIAL MEASURES AND ACTIONS		TIMEFRAME	RESPONSIBLE ENTITY/AUTHORITY
1.6	<p>INSTITUTIONAL CAPACITY ASSESSMENT</p> <p>Submit, as part of the ESIA TOR detailed in section 1.3, requirements for an institutional capacity assessment of DGPC in terms of environment, social, health and safety staffing, capacity and performance, and environmental and social management system.</p> <p>As part of the ESIA/ESMP for the Dorjilung HPP, prepare an Environmental and Social Capacity Assessment and Capacity Building Action Plan consistent with the requirements of the ESF, in a manner acceptable to the World Bank</p>	<p><i>Within 2 months from TA Project effectiveness</i></p> <p><i>To be delivered by the end of the TA.</i></p>	Druk Green Power Corporation Limited
ESS 2: LABOR AND WORKING CONDITIONS			
2.1	<p>LABOR MANAGEMENT PROCEDURES</p> <p>The TA Project will not involve any civil works. Therefore, a Labor Management Procedure (LMP) related to contracted workers are not relevant as there will be no contracted workers to employed.</p> <p>The TA Project activities will require services of direct workers and consultants to carry out the updating of feasibility studies and ESF documents. For this, the contracts for the consultants and direct workers will ensure that relevant aspects of ESS2 apply to TA Project workers, as appropriate, in accordance with the type of workers involved in the TA Project, including, inter alia, by adopting and enforcing contracts that include clear terms and conditions of employment, and adequate occupational, health and safety measures.</p> <p>As part of the TA project, a draft LMP will be prepared for the Dorjilung HPP.</p>	<p><i>Maintained throughout implementation of the TA</i></p> <p><i>The LMP will be developed as soon as possible, but no later than by the end of the TA.</i></p>	Druk Green Power Corporation Limited

MATERIAL MEASURES AND ACTIONS		TIMEFRAME	RESPONSIBLE ENTITY/AUTHORITY
2.2	<p>GRIEVANCE MECHANISM FOR PROJECT WORKERS</p> <p>The existing Grievance Redress System of DGPC will be applied to direct workers to be employed under the TA Project.</p> <p>Develop a Grievance Mechanism for project workers as part of the LMP for the Dorjilung HPP.</p>	<p><i>Maintained throughout implementation of the TA</i></p> <p><i>Developed as part of the LMP to be prepared as part of action 2.1</i></p>	Druk Green Power Corporation Limited
2.3	<p>OCCUPATIONAL HEALTH AND SAFETY (OHS) MEASURES</p> <p>For the TA project, the contracts for the consultants and direct workers will ensure that relevant aspects of ESS2 apply, including, inter alia, adopting clear terms and conditions of employment, and adequate occupational, health and safety measures.</p> <p>As part of updating the ESIA/ESMP to be supported by this TA project, prepare an occupational, health and safety (OHS) action plan consistent with the assessments conducted in the E&S documentations and consistent with the World Bank Group Environmental Health and Safety Guidelines (EHSGs) and Good International Industry Practice.</p>	<p><i>Maintained throughout implementation of the TA</i></p> <p><i>To be delivered by the end of the TA.</i></p>	Druk Green Power Corporation Limited
ESS 3: RESOURCE EFFICIENCY AND POLLUTION PREVENTION AND MANAGEMENT			
3.1	<p>RESOURCE EFFICIENCY AND POLLUTION PREVENTION AND MANAGEMENT</p> <p>Develop resource efficiency and pollution prevention and management plan (including construction resource material management, disposal and management of waste and hazardous materials) for the Dorjilung HPP as part of the updated ESIA/ESMP to be prepared with the support of the TA.</p> <p>Conduct a greenhouse gas emissions analysis as part of the ESIA update.</p>	<p><i>To be delivered by the end of the TA.</i></p>	Druk Green Power Corporation Limited
ESS 4: COMMUNITY HEALTH AND SAFETY			
4.1	<p>TRAFFIC AND ROAD SAFETY:</p> <p>Develop measures and actions to assess and manage traffic and road safety risks as part of the ESMP for the Dorjilung HPP.</p>	<p><i>To be developed by the end of the TA, and included in the ESMP</i></p>	Druk Green Power Corporation Limited

4.2	<p>COMMUNITY HEALTH AND SAFETY:</p> <p>Prepare measures and actions, as part of the ESMP, to assess and manage specific risks and impacts to the community arising from the Dorjilung HPP.</p>	<p><i>To be completed and delivered by the end of the TA which will be annexed to the ESIA/ESMP.</i></p>	<p>Druk Green Power Corporation Limited</p>
4.3	<p>GENDER-BASED VIOLENCE (GBV) AND SEXUAL EXPLOITATION AND ABUSE/SEXUAL HARASSMENT (SEAH) RISKS</p> <p>Prepare a GBV Action Plan to assess and manage the GBV/SEAH risks as part of the ESMP for the Dorjilung HPP.</p>	<p><i>To be completed and delivered by the end of the TA.</i></p>	<p>Druk Green Power Corporation Limited</p>
4.4	<p>SECURITY PERSONNEL</p> <p>This is not applicable for the TA project as there will be no security personnel to be employed during the implementation of the TA.</p> <p>As part of the ESIA/ESMP for the Dorjilung HPP, prepare a Security Personnel Management Plan consistent with the requirements of ESS4, in a manner acceptable to the World Bank</p>	<p><i>To be completed and delivered by the end of the TA.</i></p>	<p>Druk Green Power Corporation Limited</p>
4.5	<p>DAM SAFETY</p> <p>Create a Dam Safety Panel of Expert acceptable to the World Bank to advise DGPC on dam safety measures, design, and plans.</p> <p>Prepare the following plans and framework documents for the Dorjilung HPP including:</p> <ul style="list-style-type: none"> • construction supervision and quality assurance plan • outline of an operations & maintenance plan • framework for emergency preparedness plan and, • framework for an instrumentation plan 	<p><i>Within 4 months from effectiveness of the TA project</i></p> <p><i>To be completed and delivered by the end of the TA.</i></p>	<p>Druk Green Power Corporation Limited</p>

ESS 5: LAND ACQUISITION, RESTRICTIONS ON LAND USE AND INVOLUNTARY RESETTLEMENT

5.1	<p>RESETTLEMENT PLANS:</p> <p>Develop TOR for the updating of the Resettlement Action Plan (RAP) and submit them to the World Bank for review and clearance. The ToR will subsequently be disclosed for stakeholder consultations further outlined in section 10.3 of ESS10.</p> <p>Update the RAP of the proposed Dorjilung HPP in accordance with ESS 5.</p>	<p><i>Within 2 months from TA Project effectiveness</i></p> <p><i>To be completed and delivered by the end of the TA.</i></p>	Druk Green Power Corporation Limited
5.2	<p>GRIEVANCE MECHANISM</p> <p>Develop an overall grievance redress mechanism for the Dorjilung HPP and document it in the Stakeholder Engagement Plan.</p>	<p><i>To be developed and delivered by the end of the TA.</i></p>	Druk Green Power Corporation Limited
ESS 6: BIODIVERSITY CONSERVATION AND SUSTAINABLE MANAGEMENT OF LIVING NATURAL RESOURCES			
6.1	<p>BIODIVERSITY RISKS AND IMPACTS</p> <p>Submit, as part of the ESIA TOR detailed in section 1.3, requirements for an aquatic and riparian assessment and terrestrial biodiversity assessment, including critical habitat assessment, for the World Bank's review and clearance.</p>	<p><i>Within 2 months from TA Project effectiveness</i></p>	Druk Green Power Corporation Limited
6.2	<p>BIODIVERSITY MANAGEMENT PLAN</p> <p>Prepare a Biodiversity Management Plan in accordance with the requirements of ESS6 as detailed in the ESIA TOR. The outputs of the biodiversity assessments will be integrated into the ESIA/ESMP.</p>	<p><i>To be completed and delivered by the end of the TA.</i></p>	Druk Green Power Corporation Limited
ESS 7: INDIGENOUS PEOPLES/SUB-SAHARAN AFRICAN HISTORICALLY UNDERSERVED TRADITIONAL LOCAL COMMUNITIES			
7.1	<p>INDIGENOUS PEOPLES PLAN</p> <p>As part of updating the ESIA, assess whether there are indigenous people, per the definition of ESS7, in the project area and recommend whether ESS7 will be relevant to the Dorjilung HPP. If considered relevant, an indigenous people plan will be developed for Dorjilung HPP, in line with relevant domestic laws and ESS7.</p>	<p><i>The analysis and planning if required will be completed and delivered by the end of the TA.</i></p>	Druk Green Power Corporation Limited

7.2	<p>GRIEVANCE MECHANISM</p> <p>If ESS7 is determined as relevant, the project grievance redress mechanism in the SEP will be updated to include considerations and measures specifically tailored for engagement with indigenous communities.</p>	<p><i>To be delivered by the end of the TA depending on the outcome of 7.1.</i></p>	<p>Druk Green Power Corporation Limited</p>
<p>ESS 8: CULTURAL HERITAGE</p>			
8.1	<p>CHANCE FINDS</p> <p>Update the analysis of impacts of the Dorjilung HPP on cultural heritage in line with relevant domestic laws and ESF and develop required measures. These will be documented in the ESMP.</p>	<p><i>To be completed and delivered by the end of the TA.</i></p>	<p>Druk Green Power Corporation Limited</p>
<p>ESS 10: STAKEHOLDER ENGAGEMENT AND INFORMATION DISCLOSURE</p>			
10.1	<p>STAKEHOLDER ENGAGEMENT PLAN PREPARATION</p> <p>For the TA project, ensure that technical assistance provided incorporates stakeholder engagement and information disclosure in a manner consistent with ESS10, including the preparation of a Stakeholder Engagement Plan for the Dorjilung HPP.</p> <p>Prepare and disclose a Stakeholder Engagement Plan (SEP) for the proposed Dorjilung HPP.</p>	<p><i>Maintained throughout the implementation of the TA</i></p> <p><i>To be completed and delivered by the end of the TA.</i></p>	<p>Druk Green Power Corporation Limited</p>
10.2	<p>PROJECT GRIEVANCE MECHANISM</p> <p>Design a grievance mechanism for the Dorjilung HPP and describe it in the SEP.</p>	<p><i>To be developed and delivered by the end of the TA.</i></p>	<p>Druk Green Power Corporation Limited</p>
10.3	<p>CONSULTATION ON E&S DOCUMENTS</p> <p>Conduct stakeholder consultations on all E&S documents (ESIA, ESMP, RAP, SEP) that will be prepared under the TA project in line with the requirements of ESS10. Describe how the feedback of the stakeholders will be taken into account in the finalized version of the E&S documents.</p>	<p><i>When draft documents are available and prior to finalizing the E&S documents</i></p>	<p>Druk Green Power Corporation Limited</p>
<p>CAPACITY SUPPORT (TRAINING)</p>			

CS1	<p>TRAINING TO THE PROJECT IMPLEMENTING ENTITY</p> <p>Provide training to DGPC PIU staff on stakeholder mapping and engagement, grievance redress mechanism, occupational health and safety, specific aspects of supervising the environmental and social assessment and planning, and other aspects based on an agreed upon training plan by DGPC and the World Bank.</p>	<p><i>Training Plan to be developed within 2 months from TA Project effectiveness and thereafter delivered throughout the implementation of the TA</i></p>	<p>Druk Green Power Corporation Limited</p>
CS2	<p>COMMUNITY AWARENESS</p> <p>Conduct community capacity building to heighten awareness of risks and impacts and to mitigate impacts following the mechanism outlined in the SEP</p>	<p><i>To be delivered throughout the implementation of the TA</i></p>	<p>Druk Green Power Corporation Limited</p>