

Grant Recipient: Royal Government of Bhutan

**Project Implementing Entity: Druk Green Power
Corporation Limited**

**Sustainable Hydropower Development Project
(P174327)**

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

July 17, 2023

ENVIRONMENTAL AND SOCIAL COMMITMENT PLAN

1. The Royal Government of Bhutan (the Recipient) 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 Energy of the Ministry of Energy and Natural Resources, as set out in the Grant Agreement and the Project Agreement. The International Bank for Reconstruction and Development/International Development Association (the World Bank) has agreed to provide the original financing and additional financing (P174327) for the Project, as set out in the referred agreements. This Environmental and Social Commitment Plan (ESCP) supersedes previous versions of the ESCP for the Project and shall apply both to the original and the additional financing for the Project referred to above.
2. The Recipient shall ensure that the Project is carried out in accordance with the Environmental and Social Standards (ESSs) and this ESCP, in a manner acceptable to the World Bank. The ESCP is a part of the Grant Agreement and the Project Agreement. Unless otherwise defined in this ESCP, capitalized terms used in this ESCP have the meanings ascribed to them in the referred agreements.
3. Without limitation to the foregoing, this ESCP sets out material measures and actions that the Recipient shall carry out or cause to be carried out, including, as applicable, the timeframes of the actions and measures, institutional, staffing, training, monitoring and reporting arrangements, and grievance management. The ESCP also sets out the environmental and social (E&S) instruments that shall be adopted and implemented under the Project, all of which shall be subject to prior consultation and disclosure, consistent with the ESS, and in form and substance, and in a manner acceptable to the World Bank. Once adopted, said E&S instruments may be revised from time to time with prior written agreement by the World Bank.
4. As agreed by the World Bank and the Recipient, this ESCP will be revised from time to time if necessary, during Project implementation, to reflect adaptive management of Project changes and unforeseen circumstances or in response to Project performance. In such circumstances, the Recipient, through DGPC and the World Bank agree to update the ESCP to reflect these changes through an exchange of letters signed between the World Bank and Recipient managing director of DGPC. The Recipient shall promptly disclose the updated ESCP.

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 environmental, social, health and safety (ESHS) performance of 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, and functioning of the grievance mechanism.</p>	<p><i>Submit quarterly reports to the World Bank throughout Project implementation. Submit each report to the World Bank no later than 45 days after the end of each reporting period.</i></p>	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, including, inter alia, cases of sexual exploitation and abuse (SEA), sexual harassment (SH), and accidents that result in death, serious or multiple injury. Provide sufficient detail regarding the scope, severity, and possible causes of 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.</p> <p>Subsequently, as per the World Bank’s request, prepare a report on the incident or accident and propose any measures to prevent its recurrence.</p>	<p><i>Notify the World Bank no later than 48 hours after learning of the incident or accident.</i></p> <p><i>Provide subsequent report to the World Bank within a timeframe acceptable to the World Bank.</i></p>	Druk Green Power Corporation Limited
ESS 1: ASSESSMENT AND MANAGEMENT OF ENVIRONMENTAL AND SOCIAL RISKS AND IMPACTS			
1.1	<p>ORGANIZATIONAL STRUCTURE</p> <p>Maintain the Project Implementation Unit (PIU) with qualified Environmental Specialist and Social Development Specialist to support the assessment and management of E&S risks for the TA project.</p>	<p><i>Maintain the Environmental Specialist and Social Development Specialist of the PIU as set out in the Grant Agreement throughout Project implementation.</i></p>	Druk Green Power Corporation Limited

MATERIAL MEASURES AND ACTIONS		TIMEFRAME	RESPONSIBLE ENTITY/AUTHORITY
1.2	<p>ENVIRONMENT AND SOCIAL PANEL OF EXPERTS</p> <p>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>Maintain the ESPoE throughout Project implementation.</i>	Druk Green Power Corporation Limited
1.3	<p>MANAGEMENT TOOLS AND INSTRUMENTS</p> <p>Implement E&S activities of the TA according to the approved TORs for the updating of the Environmental and Social Impact Assessment (ESIA) and Environmental and Social Management Plan (ESMP), including Cumulative Impact Assessment (CIA).</p>	<i>Throughout the implementation of the TA.</i>	Druk Green Power Corporation Limited
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, Resettlement Plan (RP), Stakeholder Engagement Plan (SEP)) for stakeholder consultations further outlined in section 10.3 of ESS10.</p>	<i>Updated ESIA/ESMP to be finalized, approved and disclosed prior to the end of the TA Project</i>	Druk Green Power Corporation Limited

MATERIAL MEASURES AND ACTIONS		TIMEFRAME	RESPONSIBLE ENTITY/AUTHORITY
1.5	<p>ENVIRONMENTAL AND SOCIAL INSTRUMENTS</p> <p>a) Develop an ESMP for the TA activities such as geotechnical investigations, etc.</p> <p>b) 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 Plan • Stakeholder Engagement Plan • Environmental and Social Management Framework (ESMF) for the transmission line 	<p>a) <i>Prior to conducting the TA activities under Component 1</i></p> <p>b) <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, Studio Pietrangeli and ARTELIA</p> <p>Druk Green Power Corporation Limited</p>
1.6	<p>INSTITUTIONAL CAPACITY ASSESSMENT</p> <p>a) Implement, 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>b) 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>a) <i>Throughout the implementation of the TA.</i></p> <p>b) <i>To be delivered by the end of the TA.</i></p>	<p>Druk Green Power Corporation Limited</p>
<p>ESS 2: LABOR AND WORKING CONDITIONS</p>			

MATERIAL MEASURES AND ACTIONS		TIMEFRAME	RESPONSIBLE ENTITY/AUTHORITY
2.1	<p>LABOR MANAGEMENT PROCEDURES</p> <p>a) 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. The TA Project activities will require services of direct workers such as consultants to carry out the updating of feasibility studies and ESF documents. For this, the contracts for the consultants and other 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>b) As part of the TA project, a draft LMP will be prepared for the Dorjilung HPP.</p>	<p><i>a) Maintain the signed contracts of the project workers, consistent with ESS2 requirements, throughout implementation of the TA.</i></p> <p><i>b) 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
2.2	<p>GRIEVANCE MECHANISM FOR PROJECT WORKERS</p> <p>a) The existing Grievance Redress System of DGPC will be applied to direct workers to be employed under the TA Project.</p> <p>b) Develop a Grievance Mechanism for project workers as part of the LMP for the Dorjilung HPP.</p>	<p><i>a) Maintained throughout implementation of the TA.</i></p> <p><i>b) Developed as part of the LMP to be prepared as part of action 2.1 b.</i></p>	Druk Green Power Corporation Limited

MATERIAL MEASURES AND ACTIONS		TIMEFRAME	RESPONSIBLE ENTITY/AUTHORITY
2.3	<p>OCCUPATIONAL HEALTH AND SAFETY (OHS) MEASURES</p> <p>a) For the TA project, the contracts for the consultants and other direct workers will ensure that relevant aspects of ESS2 apply, including, inter alia, adopting clear terms and conditions of employment, and adequate OHS measures.</p> <p>b) OHS measures for the TA activities under Component 1 are included in the ESMP to be prepared under action 1.5a above.</p> <p>c) As part of updating the ESIA/ESMP to be supported by this TA project, prepare an OHS 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>a) <i>Maintained throughout implementation of the TA</i></p> <p>b) <i>Prior to conducting the TA activities under Component 1</i></p> <p>c) <i>To be delivered by the end of the TA.</i></p>	<p>Druk Green Power Corporation Limited</p> <p>Druk Green Power Corporation Limited, Studio Pietrangeli and ARTELIA</p> <p>Druk Green Power Corporation Limited</p>
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>	<p>Druk Green Power Corporation Limited</p>
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>	<p>Druk Green Power Corporation Limited</p>

4.2	<p>COMMUNITY HEALTH AND SAFETY (CHS)</p> <p>a) 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>b) CHS measures for TA activities under Component 1 will be included in the ESMP to be prepared under action 1.5a above.</p>	<p><i>a) To be completed and delivered by the end of the TA which will be annexed to the ESIA/ESMP</i></p> <p><i>b) Prior to conducting the TA activities under Component 1</i></p>	<p>Druk Green Power Corporation Limited</p> <p>Druk Green Power Corporation Limited, Studio Pietrangeli and ARTELIA</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>a) Maintain the Engineering and Dam Safety Project Review Panel acceptable to the World Bank to advise DGPC on dam safety measures, design, and plans.</p> <p>b) 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>a) Throughout implementation of the TA project</i></p> <p><i>b) 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	RESETTLEMENT PLANS: Update the RP of the proposed Dorjilung HPP in accordance with ESS 5 and the approved TOR under action 1.3 above.	<i>To be completed and delivered by the end of the TA.</i>	Druk Green Power Corporation Limited
5.2	GRIEVANCE MECHANISM Develop an overall grievance redress mechanism for the Dorjilung HPP following the approved TOR under action 1.3 above and document it in the Stakeholder Engagement Plan.	<i>To be developed and delivered by the end of the TA.</i>	Druk Green Power Corporation Limited
ESS 6: BIODIVERSITY CONSERVATION AND SUSTAINABLE MANAGEMENT OF LIVING NATURAL RESOURCES			
6.1	BIODIVERSITY RISKS AND IMPACTS Conduct, following the approved ESIA TOR detailed in section 1.3, an aquatic and riparian assessment and terrestrial biodiversity assessment, including critical habitat assessment.	<i>Throughout the implementation of the TA.</i>	Druk Green Power Corporation Limited
6.2	BIODIVERSITY MANAGEMENT PLAN Prepare a Biodiversity Management Plan in accordance with the requirements of ESS6 as detailed in the ESIA TOR in 1.3 above. The outputs of the biodiversity assessments will be integrated into the ESIA/ESMP. The CIA will also be updated based on any new or additional information on aquatic and terrestrial biodiversity.	<i>To be completed and delivered by the end of the TA.</i>	Druk Green Power Corporation Limited
ESS 7: INDIGENOUS PEOPLES/SUB-SAHARAN AFRICAN HISTORICALLY UNDERSERVED TRADITIONAL LOCAL COMMUNITIES			
7.1	INDIGENOUS PEOPLES PLAN 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.	<i>The analysis and planning if required will be completed and delivered by the end of the TA.</i>	Druk Green Power Corporation Limited
7.2	GRIEVANCE MECHANISM 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.	<i>To be delivered by the end of the TA depending on the outcome of 7.1.</i>	Druk Green Power Corporation Limited
ESS 8: CULTURAL HERITAGE			

8.1	<p>CULTURAL HERITAGE RISKS AND IMPACTS</p> <p>Update the analysis of impacts of the Dorjilung HPP on tangible and intangible cultural heritage as part of the ESIA and in line with relevant domestic laws and ESF and develop a Cultural Heritage Management Plan and a chance finds procedure as part of the ESMP to be developed in accordance with the approved TOR under action 1.3 above, and consistent with ESS8.</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>a) 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 SEP for the Dorjilung HPP.</p> <p>b) Prepare and disclose an SEP for the proposed Dorjilung HPP.</p>	<p><i>a) Maintained throughout the implementation of the TA</i></p> <p><i>b) 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, RP, 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 the agreed upon training plan by DGPC and the World Bank.</p>	<p><i>Training to be delivered throughout the implementation of the TA</i></p>	<p>Druk Green Power Corporation Limited</p>

CS2	COMMUNITY AWARENESS Conduct community capacity building to heighten awareness of risks and impacts and to mitigate impacts following the mechanism outlined in the SEP	<i>To be delivered throughout the implementation of the TA</i>	Druk Green Power Corporation Limited
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