



Lao People's Democratic Republic
Peace Independence Democracy Unity Prosperity



Ministry of Public Works and Transport
Department of Water Supply



Scaling-Up Water Supply, Sanitation and Hygiene Project
IDA Project No.: SWSSHP (P-164901)
Jointly Implemented by the Ministry of Public Works and
Transport & Ministry of Health of Lao PDR

ENVIRONMENTAL AND SOCIAL CODE OF PRACTICE (ES COP)

For

COMMUNITY WATER SUPPLY SYSTEM (NAM PAPA SOUM SONE)

Vientiane, January 2025

LAO PDR: SCALING-UP WATER SUPPLY, SANITATION AND HYGIENE PROJECT
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ABBREVIATIONS

CLTS	Community-Led Total Sanitation
DHHP	Department of Hygiene and Health Promotion
DONRE	Office of Natural Resources and Environment Department
DPWT	Department of Public Works and Transport
DWS	Department of Water Supply
ESCOPs	Environmental and Social Codes of Practice
EHS	Environmental Health and Safety
ESMF	Environmental and Social Management Framework
ESMP	Environmental and Social Management Plan
HGNDP	Health Governance and Nutrition Development Project
HMIS	Health Management Information System
ICT	Information and Communication Technologies
Lao PDR	Lao People's Democratic Republic
MOH	Ministry of Health
MONRE	Ministry of Natural Resources and Environment
M&E	Monitoring and Evaluation
MPWT	Ministry of Public Works and Transportation
Nam Saat	National Center for Environmental Health and Hygiene
NGPES	National Growth and Poverty Eradication Strategy
NSEDP	National Social Economic Development Plan
O&M	Operation and Maintenance
PNPs	Provincial Nam Papa
PDO	Project Development Objective
PONRE	Provincial Natural Resources and Environment Department
PSC	Project Steering Committee
SBCC	Social and Behavior Change and Communications
SDG	Sustainable Development Goal
WASH	Water Supply, Sanitation and Hygiene
VDC	Village Development Committee
WSP	Water and Sanitation Program

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**ENVIRONMENTAL AND SOCIAL CODE OF
PRACTICE (ESCOP)**

For

COMMUNITY WATER SUPPLY SYSTEM (NAM PAPA SOUM SONE)

I. Introduction

1. This Environmental and Social Code of Practice (ESCOP) is developed under the Scaling-UP Water Supply, Sanitation and Hygiene Project (SWSSHP) for Community Water Supply Systems (CWSS or Nam Papa Soum Sone) in 63 villages spanning 12 districts across 4 provinces:

- Oudomxay province includes a total of 10 villages including 5 villages in La district and 5 villages in Namor District.
- Phongsaly province includes a total of 22 villages including 5 villages in Khoua district, 5 villages in Mai district, 7 villages in Samphan district and 5 villages in Bountai, District.
- Huaphanh provinces includes a total of 21 villages including 5 villages in Kuan district, 5 villages in Sone district, 5 villages in Samtai district and 6 villages in Huamuang district.
- Xiengkhouang province includes a total of 10 villages including 5 villages in Kham district and 5 villages in Nonghaet district.

2. The ESCOP aims to ensure compliance with the nation's laws and World Bank OP 4.01 environmental and social safeguards policy and province guidance on good engineering and housekeeping practices, and the ESMF-Environmental and Social Management Framework of this Project. It sets out standard practices and procedures for managing the potential negative impacts on the local environment and rural communities of all civil works to be carried out. The ESCOP also defines the institutional arrangements and mechanisms, the roles and responsibilities of different institutions, procedures, and budgets for implementation of the ESCOP.

II. Institutional Arrangements and Responsibilities

3. Institutional arrangements for the monitoring and implementation of the ESCOP for the construction of Community Water Supply Systems (CWSS) or Nam Papa Soum Sone in Oudomxay, Phongsaly, Huaphanh, Xiengkouang Provinces, are the same for the entire project.

The Ministry of Public Works and Transport (MPWT), as the Executing Agency (EA) for the SWSSHP, holds overall responsibility to ensure the implementation of ESCOP by the respective implementation agencies. MPWT has established a Project Management Unit (PMU) within the Department of Water Supply, along with Project Implementation Units (PIUs) at the district and provincial levels for the implementation of ESCOP and monitoring, with support from the Construction Monitoring Engineer and Environmental Safeguard Specialist. The implementation and monitoring of the ESCOP for **CWSS of Oudomxay, Phongsaly, Huaphan, Xiengkouang Province** is a contractual obligation of the selected contractor and the contract will set out that “the contractor shall (a) establish an operational system for managing environmental impacts, (b) carry out all of the monitoring and mitigation measures set forth in the ESCOP (c) allocate the budget required to ensure that such measures are carried out, and (d) comply with any corrective or preventative actions set out in safeguards monitoring reports. The Contractor shall appoint a Site Manager or his/her representative with the appropriate qualifications in environmental and occupational health and safety associated with the implementation of the ESCOP and the Labour Management Plan.

4. It is not considered necessary to carry out extensive consultation for the construction work; however, the PIU/construction supervisor should inform the teacher/medical officer about the forthcoming construction works. Inform the teachers/medical officer at the school/health center by door-to-door knocking and delivery of leaflets.

III. Summary of Potential Impact and Mitigation Measures

Environmental and Social Codes of Practices (ESCOP) and specific construction requirements

5. Potential Environmental issues, impacts and the mitigation measures specified in this section are applicable to construction phase and included in the construction bidding documents are summarized in Table 1 below.

6. The construction contractors are required to implement or comply with all mitigation measures presented in this subsection during the execution of the contract. After contract signing, the contractor is required to prepare a Contractor’s Environmental and Social Management Plan (C-ESMP) to submit to PMU for review and clearance prior to construction commencement. The

C-ESMP shall detail the Codes of Conduct and other mitigation measures (including the preparation of site-specific mitigation measures such as drainage, erosion control and land slide prevention measures, vegetation management, etc.) to ensure that all construction impacts and risks are managed or addressed properly during the construction phase. C-ESMP will include copy on the license of the equipment and construction plants that the contractors plan to use during contract execution. The C-ESMP will be updated to address the issues arising during construction phase, if any. A draft outline of the C-ESMP provided at **annex-1**.

7. After the contract signing, the contractors must coordinate with the construction supervisors, PIU of the district and province and the PMU to conduct additional consultation with local authorities, get their advice on the disposal sites of topsoil and excavated materials from earth works. Application of appropriate mitigation measures at the disposal sites and along the access would also be required. These need to be specified in the Contractor's Environmental and Social Management Plans (C-ESMP).

Table 1: Environmental and Social Management Plan

Items	Issue/Potential Impact	Mitigation Measures	Responsibility	
			Implementation	Supervisor/approval
Pre-Construction Phase				
Overall locations of Nam Papa Soum Sone head works, pipe alignment, water treatment plant and clean water tank	Likely to have individual or communal land use affected	<ul style="list-style-type: none"> - Individual or communal land users whose lands would slightly and temporarily be affected must be consulted, organized, and invited to participate during the construction work, ensuring the contractor, PIU and the land users agree with each other about minimizing impact and alternating the most appropriate mitigation measure for the affected land use - 	PIU District, Village Administration Committee	EA and PMU
Water source and natural resources condition	Likely water availability be decreasing annually	<ul style="list-style-type: none"> - Brief study and initiate technical plans on how to improve hydrological availability all throughout the year - If any natural plant species can be observed and grown in the water originate-perimeter - Plan to reforest the upper parts of water source in order to prevent from drought all year round. 	PIU District, Village Administration Committee	EA and PMU

		<ul style="list-style-type: none"> - Meetings with community/ villagers/ landowners located in the catchment areas to agree on water management plans and regulations will be applied for protecting water sources. - The contractor plans for water management, and water diversion and ensures the availability of water sources for the community before the construction. 		
Head Works Location at mountainous brook/	Likely Sedimentation generated and/or erosion increased or leaking causing decreasing water availability	<ul style="list-style-type: none"> - Design a durable, leak-proof weir to ensure long-term functionality. - Plan to install a sturdy fence around the headworks and weir to protect them from wildlife. - Schedule regular maintenance of the weir by the village community, at minimum before and after the rainy season. - Minimize vegetation clearance and replant similar or identical species in the affected area. 	PIU District, Village Administration Committee	EA and PMU
Raw water portable pipe alignment	Pipes are likely to be damaged by animals' people	<ul style="list-style-type: none"> - The pipelines should be laid during the off-season, specifically scheduled to avoid any agricultural activities, ensuring that their crops 	Contractor, PIU District, Village	EA and PMU

		<p>and livelihoods are not disrupted. The raw water pipeline should be laid underground at a depth of 0.7 to 1.2 meters, with the width of pipe trenches ranging from 0.5 to 0.8 meters. The contractor will lay out the pipelines along the border of the field and avoid laying them in the middle of the field to the extent possible.</p> <ul style="list-style-type: none"> - Additionally, measures will be taken to restore any affected areas to their original condition after the pipeline installation is complete, demonstrating the project’s commitment to minimizing any negative impact on the community. - During construction, the contractor will avoid passing the pipeline through the middle of their agricultural land, laying the pipelines along the boundaries of the agricultural land to the extent possible. - The pipeline route will be clearly marked so that the village community can readily identify and protect it from potential damage caused by 	<p>Administration Committee</p>	
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		encroaching vegetation, unauthorized activities, and domestic animals.		
Water Treatment Plant and clean water tank	The EA highly confirms providing clean water to project villages	<ul style="list-style-type: none"> - It is essential to protect the water treatment plants from potential damage caused by tree growth, human activities, and animal interference. Individuals or teams assigned to this task must be both technically proficient and highly motivated. 	PIU District, Village Administration Committee	EA and PMU
Risk of Unexploded ordnance (UXOs)	Unlikely but included as a precautionary measure	<ul style="list-style-type: none"> - A UXO survey and clearance will be conducted before commencing any CWSS construction activities. - The PMU has already engaged a UXO clearance firm to conduct surveillance and clearance operations. - If UXO risks are identified, the PMU will coordinate with an accredited organization to perform detailed UXO surveys. - During the survey, the DW PMU/PIU will strictly follow all instructions given by the accredited UXO survey organization. - If the presence of UXOs is confirmed, the PMU/PIU will contract an accredited entity 	PMU, PIU and contractor	PMU/PIU

		<p>to undertake UXO clearance, ensuring full compliance with their directives.</p> <ul style="list-style-type: none"> - Construction will only begin once UXO clearance is completed and the UXO organization has officially confirmed that the site is clear. 		
Grievance Redress Mechanism (GRM)	Highly unexpected complaints from various stakeholders:	<ul style="list-style-type: none"> - Establish a GRM mechanism and appoint a village mediation committee in each of the target village for SWSS and GRM coordinator within PIU prior to construction. - Brief and provide training to GRM access points (PIU, contractors) - Disclose GRM to affected people before construction begins at the main entrance to each construction site. - Maintain and update a Complaint Register to document all complaints. 	PMU, PIU and contractor	EA, WB
Construction Phase				
Social conflict	The impact of the workforce's entry	<ul style="list-style-type: none"> - The workforce should be sensitized to the social norms and acceptable behaviors 	Contractor, PMU and PIU	EA, WB

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	on society and culture	<p>prevalent among the Khmou, Hmong, and Akha communities.</p> <ul style="list-style-type: none"> - The workforce should be fully aware of the cultural "Do's and Don'ts" associated with the Khmou, Hmong, and Akha ethnic groups. 		
Employment	Employment and labor rights	<ul style="list-style-type: none"> - Implement fair and transparent employment process - Provide workers with clear and understandable information about their contractual rights, using the local language. Child labour and all forms of force labour are strictly prohibited. - No employee shall be subject to any form of discrimination. 	Contractor,	Social Safeguard Specialist; PMU and PIU
Gender issue	Violence against women may occur.	<ul style="list-style-type: none"> - All forms of gender-based violence are prohibited, including sexual harassment, paternalistic attitude with sexual implication undermining dignity, and any unnecessary physical contact. 	Contractor,	Social Safeguard Specialist; PMU and PIU
Dust, emission	Demolition of structure, soil extraction, and	<ul style="list-style-type: none"> - The contractor shall spray water on structures being demolished during dry weather conditions to control dust emission; 	Contractor	Environment Safeguard Specialist PMU and PIU

	<p>concrete mixing under dry weather conditions, and material transporting trucks passing by people residence or shops and public entities are likely to generate fugitive dust, emission and noise.</p>	<ul style="list-style-type: none"> - Avoid undertaking activities that generate large amounts of dust during high wind periods. - The contractor will comply with a 10 km/h speed limit while passing by schools or health centers and shops; - Transport of materials that may generate dust shall be covered with canvas or similar; - Install temporary fences or barriers around the subproject facility construction site. - Burn the site clearance debris (trees, undergrowth) or construction waste material is prohibited; - Keep the stockpile of aggregate material covered to avoid suspension or dispersal of fine soil particles during windy days or disturbance from stray animals - Plan and Minimize clearance of vegetation and provide replantation with similar or the same species in the area. - Appropriate permissions should be taken on time, compensation as required given, and 		
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		undertaken replantation, with the ration being for every 1 tree cut, 2 planted		
Conflict in resources use	Most likely won't utilize any water in the homes because the current intake is being repaired or built.	<ul style="list-style-type: none"> - In order to maintain continuous water availability for the community during the construction phase, the existing water supply system should remain operational until the new CWSS is fully completed and commissioned. -If the existing community water supply intake must be rebuilt or renovated, the contractor should identify and provide alternative water sources for community use, including the possibility of constructing a temporary community water supply intake. 	Contractor,	Construction Supervision Engineer/Staff, Environmental Safeguard Specialist; PMU and PIU
Noise and Vibration	Using Powered Mechanical Equipment (PME), heavy equipment, and certain hand tools and vehicles may generate intruding noise	<ul style="list-style-type: none"> - The contractor shall to the extent practicable carry out noisy activities at times when the work would cause the least disturbance to the village people - Limit construction activities, particularly the operation of noise-generating equipment during the nighttime - Position any stationary equipment that produces high noise levels such as diesel 	Contractor	Construction Supervision Engineer/Staff, Environmental Safeguard Specialist PMU and PIU

	<p>that will disturb the village people</p>	<p>generators as far as practical from sensitive receptors.</p> <ul style="list-style-type: none"> - Install temporary fence or barriers around the subproject facility construction site. - The contractor will comply with a 10 km/h speed limit while passing by the school or health center and blowing the horn is prohibited close to the school and health center. 		
<p>Solid Waste from head works, pipe alignment, water treatment plant, and water storage tank.</p>	<p>The solid waste will mainly consist of construction waste (wood, concrete, bricks, metal, used bags, sweepings) excavated soil and a small amount of domestic waste</p>	<ul style="list-style-type: none"> - Excavated material will be utilized to backfill. - Non-hazardous construction waste shall be disposed of at a designated disposal site with the necessary environmental compliance certificate as agreed with District/village Authorities; - The contractor will daily segregate solid waste in hazardous and non-hazardous waste, and then to recyclable and non-recyclable waste. Recyclable waste includes plastic bottles, cans, and metal. Non-recyclable waste is likely to include wrappings, packaging and construction waste. The waste fractions will 	<p>Contractor</p>	<p>Environment Safeguard Specialist PMU and PIU</p>

		<p>be stored temporarily in bins or fenced off and covered enclosures.</p> <ul style="list-style-type: none"> - The contractor shall bring recyclable waste to the local recycling dealer or shop - if there is one. If there is no local recycling dealer, the recyclables (still segregated) shall be brought to the waste disposal site as specified by the District Authorities for possible recycling by dealers operating there or disposed together with non-recyclable waste at that site; - Disposal of waste (that is not recycled) is only allowed at the solid waste disposal site specified by the District Authorities - Open burning or burial of any form of waste or materials is strictly prohibited both onsite and offsite; - Littering of waste is strictly prohibited. - No vehicle to be cleaned or washed in streams or water bodies - No waste disposal at the intake site - Clean-up site post-construction, with immediate clean up around intake 		
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		<ul style="list-style-type: none"> - Minimize disturbance to waterbody/stream at intake to reduce the risk of contamination 		
Materials Management	Stockpiles of materials (cement, sand, gravel, other construction materials)	<ul style="list-style-type: none"> - Materials shall be stockpiled under cover protected against rain and in an area that can be fenced off to prevent access; - The PIU/Construction Supervisor will point out suitable places for stockpiling. All stockpiling and waste storage must be covered from rain and dust and also kept on hard surface. In case of any spill or contamination, a clean-up plan must be in place. 	Contractor	Environmental Safeguard Specialist PMU and PIU
Chance find Procedures	Unlikely but included as a precautionary measure	<ul style="list-style-type: none"> - Immediately upon noticing an item that could possibly be an artifact of cultural, archaeological, or historical importance, the finder (Contractor) shall suspend all work and notify the PIU - The PIU shall observe and document (take the photo, describe) the finding without physically inspecting it and inform the District Office of Information, Culture, and Tourism; 	Contractor	Environmental Safeguard Specialist PMU and PIU

		<ul style="list-style-type: none"> - The PIU shall ensure that the contractor fences off the place of finding and facilitate the officials of the Ministry of Information, Culture and Tourism to access the place of finding and recovering or otherwise protecting the artefact; - The construction work may only resume with the permission of the District Office of Information, Culture, and Tourism. 		
<p>Community Health and Safety</p>	<p>Potential risk to the health and safety of adults and children traveling across the forest where the pipe alignment is located.</p>	<ul style="list-style-type: none"> - The contractor has to install the physical barrier to limit access to the construction site. - Discuss the plan with the local population prior to undertaking any activity to ensure there is awareness of the plan, and to minimize any inconvenience from it. - Install signs at construction sites warning people of potential dangers; - Erect construction billboards, which include construction contents, schedule, responsible person and complaint phone number, at the entry to each construction site and construction staging area; 	<p>Contractor</p>	<p>Construction Supervision Engineer/Staff, Environmental Safeguard Specialist PMU and PIU</p>

		<ul style="list-style-type: none"> - To the extent possible complete pipe laying and covering the pipe on the same day before undertaking more excavation. - Avoid storage of material in public areas, and only bring as much material as is required for the activity for the day at on time. - Ensure all vehicles are properly parked and do not disrupt public movement. - Coordinate with Village Authority Committee and share the work plans and number of workers who will stay in the camp. 		
Occupational Health and Safety		<p><u>Site sanitation</u></p> <ul style="list-style-type: none"> - The contractor shall be installed the Work Camp in an area far enough from water points, houses and sensitive areas in consultation with the community. - Provide an adequate number of latrines and other sanitary arrangements at the site and work areas, and ensure that they are cleaned and maintained in a hygienic state - Provide garbage receptacles at the construction site and camps, which will be periodically 	Contractor	<p>Construction Supervision Engineer/Staff, Environmental Safeguard Specialist PMU and PIU</p>

		<p>cleared to prevent the outbreak of diseases will be setup</p> <ul style="list-style-type: none"> - Discharge work camp wastewater into the municipal sewer system or treatment to meet discharge standards on-site using a portable system - Post construction, the site should be closed and restored to original state. <p><u>Occupation Safety</u></p> <ul style="list-style-type: none"> - Provision of first-aid facilities readily accessible to workers and train them on its use. Provide emergency plan in case of an accident and make workers aware on its use. - Provision of personal protection equipment (PPE), such as safety boots, helmets, gloves, protective clothing, goggles, and ear protection, in accordance with relevant health and safety regulations for workers; - Provide training to workers on use of PPE and equipment. - Wearing of PPEs while working on-site will be a mandatory requirement for workers; 		
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		<ul style="list-style-type: none"> - For any activity at the intake or streams, minimise risk by undertaking work during dry season, and if required provide additional support such as restraints and harnesses to minimise risk of fall and injury. - Posting of safety signs/reminders in strategic areas within the construction area; - Installation of sufficient lighting at night <p>Working at heights</p> <ul style="list-style-type: none"> - Ensure all workers wear harnesses and are appropriately secured for any work at heights, or at the excavation area. - Ensure appropriate scaffolding, ladders, and other equipment, as required are available for the workers, and workers are trained in its use. - Minimise risk by limiting access to the area. <p><u>Food Safety</u></p> <ul style="list-style-type: none"> - Provide a clean and sufficient supply of fresh water; - Inspect and supervise food hygiene in canteens on site regularly. Canteen workers must have valid food safety permits; 		
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		<ul style="list-style-type: none"> - If food poisoning is discovered, implement effective control measures immediately to prevent it from spreading <p><u>Disease prevention and safety awareness</u></p> <ul style="list-style-type: none"> - Construction workers must have a physical examination before starting work on site. If an infectious disease is found, the patient must be isolated for treatment to prevent the disease from spreading; - Provide induction and training by local health departments on prevention and management of communicable diseases; - Implement STIs/HIV/AIDS and other communicable diseases awareness and prevention programs; - Provide training to all construction workers in basic sanitation and health care issues, general health and safety matters, and the specific hazards of their work. <p><u>Accidents from poor site management</u></p>		
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		<ul style="list-style-type: none"> - Ensure all construction sites are properly planned, with sites identified for material stacking, waste storage, and vehicle parking. - All sites must be kept clean and in order. - In case of any vehicle/machine movement, warning must be provided. 		
Operation Phase				
Water source and natural resources	Strict protection it from wild animals, reforest the area, and keep water undried all through the year	<ul style="list-style-type: none"> - Properly maintain and manage the reforested areas, encouraging natural regeneration around the water source. - Ensure the area remains protected from any form of damage, preserving sufficient water availability throughout the year. 	PIU, PMU, Village Committee, GRM Committee	EA
Head works at mountainous brooks	High protection, frequent cleaning, and high-quality, maintenance and repair	<ul style="list-style-type: none"> - Identify and train a dedicated individual or team responsible for regularly inspecting the conditions of the headworks or weir. - Depending on the inspection findings, request the participation of the village community in clearing the headworks as scheduled. 	PIU, PMU, Village Committee, GRM Committee	EA

		<ul style="list-style-type: none"> - During maintenance and repair work, ensure that all waste is properly cleaned up and removed from the site. 		
Pipe alignment from head works to treatment plants and clean water tank	Protection, sustainable utilization, maintenance, repair, and replacement when necessary	<ul style="list-style-type: none"> - The Provincial and District PIUs, in collaboration with the village community, should encourage villagers to respect and adhere to rules and regulations aimed at protecting water pipelines from damage caused by animals or people. - A leak repair protocol must be established to ensure quick and efficient repairs, minimizing downtime in case of damage or leaks. - - - 	PIU, PMU, Village Committee, GRM Committee	EA
Treatment plants and clean water tank	Cleaning, maintenance, repair, keep water availability	<ul style="list-style-type: none"> - Preventive and protective measures will be implemented in accordance with official regulations in effect at the time of maintaining the Water Treatment Plant and cleaning the water storage tank. 	PIU, PMU, Village Committee, GRM Committee	EA

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Service pipe alignment		- Ensure that beneficiary households are responsible for the maintenance and replacement of their own pipeline connections as needed.	Beneficiary Household	PIU, Village Committee
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8. In addition to the ESCOP above, the Contractors will be required to follow strictly the EHS rules below:

Site EHS Rules:

- EHS orientation session before starting work;
- Wearing of personal protective equipment (gloves, helmets, safety shoes, dungarees, goggles, etc.);
- Follow the message and instruction displayed on EHS notice boards installed on site;
- Promptly reporting all accidents to the concerned authority;
- Maintain appropriate barricades as required;
- Vehicles must be driven at a safe speed, observing speed limits of 30km/h and designated routes as mentioned in Contractor's Mobility Map;
- Drivers must have a valid driving license for the class of vehicle they are operating;
- Vehicles shall only be parked in designated parking area; and
- Mine clearance of the project investment area.

Health and Hygiene:

- Provision of adequate medical facilities to the staff;
- Provision of cooling and heating facilities to the staff; and
- Provision of drainage, sewerage and septic tanks in camp area.

Security:

- Regular attendance and a controlled time keeping of all employees;
- Restriction of un-authorized persons to the residential and work areas;
- Restriction of carrying weapons and control hunting by employees; and
- Provision of boundary walls/fence with proper exits to the camp.

“Chance Find” Procedures

9. If the contractor discovers archeological sites, historical site, remains and objects, including graveyards, and/or individual graves during excavation or construction, the Contractor will carry out the following steps:

- Stop the construction activities in the area of the chance find;
- Delineate the discovered site or area;
- Secure the site to prevent any damage or loss of removable objects. In cases of removable antiquities or sensitive remains, a night guard shall be arranged until the responsible local authorities, or the National Culture Administration take over;
- Notify the project engineer, supervisor, PIUs and/or PMU who in turn will notify the responsible local authorities and the provincial Culture Department immediately (within 24 hours or less);
- Responsible local authorities and the provincial Culture Department would be in charge of protecting and preserving the site before deciding on subsequent appropriate procedures. This would require a preliminary evaluation of the findings to be performed by the archeologists of
- National Culture Administration. The significance and importance of the findings should be assessed according to the various criteria relevant to cultural heritage; those include the aesthetic, historic, scientific or research, social and economic values.
- Decisions on how to handle the finding shall be taken by the responsible authorities and the provincial Culture Department. This could include changes in the layout (such as when finding an irremovable remain of cultural or archeological importance) conservation, preservation, restoration and salvage;
- Implementation for the authority decision concerning the management of the finding shall be communicated in writing by relevant local authorities; and
- Construction work could resume only after permission is given from the responsible local authorities or the provincial Culture Department concerning safeguard of the heritage.

Social conflict

- Social and cultural norms orientation session before starting work.
- Workforce should be sensitized to the social norms and acceptable behaviour of each ethnic cultures in the workplace.
- Workforce must be respecting the traditional custom, local people act, local events, ceremony, and sensitive places of the community.

The workforce must avoid any actions that could disrespect or violate the traditional customs and cultures of the local ethnic communities in the workplace.

Employment and labor rights

- Will not engage in or support discrimination on the employment recruitment basis of sex, ethnic, religion etc...
- Every worker has the right to a legally enforceable employment contract that outlines the essential terms of their employment, including working hours, compensation and benefits, overtime pay, holidays, parental leave, breaks, and access to business property.
- No worker should be kept on against their will or coerced into taking a job. We would also not accept forced labor, forced overtime, forced labor performed by prisoners, human trafficking, or debt repayment through labor.
- The way work is organized should respect employees' rights to a private life and time off with their families.
- Overtime work should preferably be assigned on a voluntary basis and should allow for the circumstances of the individual employee.
- The number and duration of breaks must allow for the nature of the work and should allow the employees time for eating, drinking, resting, going to the toilet without prompting disciplinary measures.
- All employees must be over 18 years old.

Gender Issues

- Avoid taking any actions that could harm someone's property, mental health, or bodily health.
- Treat women, children (persons under the age of 18), and men with respect regardless of language, religion, other opinion, ethnic or social origin, property, disability, Not use language or behavior towards women, children or men that is inappropriate, harassing, abusive, sexually provocative, demeaning or culturally inappropriate

- Not engage in sexual harassment-for instance, making unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct, of a sexual nature, including subtle acts of such behavior (e.g. looking somebody up and down; kissing, howling or smacking sounds; hanging around somebody; whistling and catcalls; giving personal gifts; making comments about somebody's sex life; etc.).
- Not engage in sexual favors-for instance, making promises or favorable treatment dependent on sexual acts-or other forms of humiliating, degrading or exploitative behavior
- Not participate in sexual contact or activity with children-including grooming or contact through digital media. Mistaken belief regarding the age of a child is not a defense.

Conflict in water resources use

- If repairs are to be made to the community water supply intake, a temporary intake must be constructed.
- If there are plans to build or renovate the current community water supply intake, look for other water supplies that the community can use.
- Notify the communities ahead of time if there are planned repairs or improvements to the current pipe network that could temporarily impede the delivery of water to homes.

WORKERS CODES OF CONDUCTS

10. Each employee shall be informed of the Code of Conduct and bound by it while in the employment of the Client or its Contractors. The Code of Conduct shall be available to local communities at the project information centers or other places easily accessible to the communities.

11. The Contractor is responsible for providing appropriate training to all staff according to their level of responsibility for environmental, health and safety matters.

The Code of Conduct shall address the following measures (but not limited to them):

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- All of the workforces shall abide by the laws and regulations of the Lao PDR;
- Illegal substances, weapons and firearms shall be prohibited;
- Pornographic material and gambling shall be prohibited;
- Fighting (physical or verbal) shall be prohibited;
- Creating nuisances and disturbances in or near communities shall be prohibited;
- Disrespecting local customs and traditions shall be prohibited;
- Smoking shall only be allowed in designated areas;
- Maintenance of appropriate standards of dress and personal hygiene;
- Maintenance of appropriate standards hygiene in their accommodation quarters;
- Residing camp workforce visiting the local communities shall behave in a manner consistent with the Code of Conduct; and
- Failure to comply with the Code of Conduct, or the rules, regulations, and procedures implemented at the construction camp will result in disciplinary actions.

Security. Some security measures shall be put into place to ensure the safe and secure running of the camp and its residents. Some of these security measures include:

- The list of workers must be registered to local authorities in accordance with existing Lao PDR regulations.
- Children under 14 years of age will not be hired under the Project
- Adequate, day-time night-time lighting shall be provided;
- Control of camp access. Access to the camp shall be limited to the residing workforce, construction camp employees, and those visiting personnel on business purposes;
- Prior approval from the construction camp manager for visitor's access to the construction camp;
- A perimeter security fence at least 2m in height constructed from appropriate materials;
- Provision and installation in all buildings of firefighting equipment and portable fires extinguishers.

12. Any construction worker, office staff, Contractor's employees or any other person related to the project found violating these prohibitions will be subject to disciplinary actions that can range from a simple reprimand to termination of his/her employment depending on the seriousness of the violation.

Prohibitions:

13. The following activities are prohibited on or near the subproject sites:

- Cutting of trees for any reason outside the approved construction area;
- Hunting, fishing, wildlife capture, or plant collection.
- Buying of wild animals for food;
- Having caged wild animals (especially birds) in camps;
- Poaching of any description;
- Explosive and chemical fishing;
- Disturbance to any thing with architectural or historical values;
- Building of fires;
- Use of unapproved toxic materials, including lead-based paints, asbestos, etc.; Use of firearms (except authorized security guards);
- Use of alcohol by workers in office hours;
- Driving in an unsafe manner in local roads;
- Washing cars or machinery in streams or creeks;
- Maintenance (change of oils and filters) of cars and equipment outside authorized areas;
- Creating nuisances and disturbances in or near communities;
- Disposing garbage in unauthorized places;
- Indiscriminate disposal of rubbish or construction wastes; Littering the site;
- Spillage of potential pollutants, such as petroleum products;
- Collection of firewood;
- Urinating or defecating outside the designated facilities; and
- Burning of waste and/or cleared vegetation.

- Improper behavior of a sexual nature with local people particularly with women and children.

MANAGEMENT REQUIREMENTS OF CONSTRUCTION SITES AND WORKERS CAMPS

14. The contractor will be responsible to comply with, but not limited to the following:

- The contractor shall install the Work Camp in an area far enough from water points, houses and sensitive areas in consultation with the community. Good quality sanitary equipment should be installed in the Work Camp.
- The contractor shall manage all activities in compliance with laws, rules and other permits related to site construction regulations and will protect public properties. Degradation and demolition of private properties will be avoided. Paying compensation for damage to the public facilities and/or private property will be required.
- The contractor is responsible for the protection of the local environment against dust, air, noise, vibration, exhaust fuels and oils and other solid residues generated from the work site. The contractor shall manage waste properly and do not burn it on site and will also provide proper storage for construction materials, organize parking and displacement of the machines in the site. Used oil and construction waste materials must be appropriately disposed and adequate waste disposal and sanitation services will be provided at the construction site next to the generated area. In order to protect soil, surface and ground water the Contractor must avoid any wastewater discharge, oil spill and discharge of any type of pollutants on soils, in surface or ground water, in sewers and drainage ditches.
- The contractor shall be responsible for maintaining good hygiene, safety, and security of the work sites, including protection of health and safety of staff and workers. The contractor will prevent standing water in open construction pits to avoid potential contamination of the water table and the development of a habitat for disease-carrying vectors and insects.
- The contractor shall be prohibited from quarrying material directly from the river. The

- contractors shall procure construction materials from government-permitted source/suppliers only.
- During construction, the contractor must be taking serious action to control dust by using water or through other means and the construction site will be cleaned on a daily basis.
- The Contractor will work with local authority and management local traffic effectively and ensure traffic access of road safety of local residents and road users during the works. Speed limits at work sites and community areas will be applied to all vehicles and cars. All vehicles and their drivers must be identified and registered and the drivers are properly trained.
- Install barriers and safety warning signs on road sections and if necessary, deploy traffic aides/flag persons at affected locations. Information boards at blocked roads will provide information about the temporary closure of roads, schedule of works and the traffic-rerouting plan.
- The contractor should install signaling of work, ensure no blockage of access to households during construction and/or provide alternative access.
- The contractor must immediately rehabilitate the excavated areas and any damaged road and path sections.

House Keeping

15. The Contractor will follow a ‘good housekeeping’ policy at all times. This will include, but not necessarily be limited to the following:

- Ensure considerate site behavior of the Contractor’s staff;
- Open fires will be prohibited at all times;
- Ensure that appropriate provisions for dust control and road cleanliness are implemented;
- All site areas will be kept in clean and tidy condition, rubbish and food waste will be removed frequently;
- Wheel washing facilities will be brushed or sprayed clean frequently;

- Storage sites, fixed plant and machinery, equipment and temporary buildings will be located to limit adverse environmental effects;
- Frequently inspect, repair and re-paint as necessary all site hoardings to comply with the local conditions and local regulations, all flying post/board is to be removed as soon as reasonably practicable and within 24 hours of notice;
- Adequate toilet facilities will be provided for all site staff;

Working Hours

16. Core working hours will be from 08:00 to 16:00 on weekdays and 0800 to 1300 on weekends. Individual site requirements which differ from the above will be considered on a site-by-site basis. Noisy operations shall not take place outside these hours without prior approval from delegated agencies and local authorities.

17. In the case of work required in response to an emergency (or which if not completed would be damaging and unsafe), the relevant local authority will be advised as soon as is reasonably practicable of the reasons for and likely duration of such works.

Workers Camps

18. *Workers' Camp and Site Installation Requirement.* Potential sites of workers' camps must be discussed with and proposed by local communities and authorities during consultations and prior to their establishment. If additional camps and ancillary construction sites are selected, for following criteria must be used:

- minimize the land occupation;
- Site offices shall be located at least 200 meters from any existing residential settlements
- Camp facilities should not be located in steep slopes;
- Site offices and camps be located at least 100 meters from any watercourses and be operated so that no pollutants enter watercourses. Camp areas shall be located to allow effective natural drainage;
- The workforce shall be provided with safe, suitable and comfortable accommodation. They have to be maintained in clean and sanitary conditions;

- In every site adequate and suitable facilities for washing clothes and utensils shall be provided and maintained for the use of contract labor employed therein;
- Potable water for human consumption shall be provided at camps, site offices.
- Adequate sanitation facilities (toilets and washing areas) shall be provided for workers to use. The toilet should be provided with adequate supplies running water, soap, and toilet paper. Such facilities shall be conveniently accessible and shall be kept in clean and hygienic conditions;
- At every construction camp, there must be at least one septic tank. The wastewater from the tank shall not be discharged into any watercourses. The wastewater shall be periodically transported away by a water tank to the nearest treatment plant;
- *Medical Facilities.* A medical and first aid kit shall be provided at each camp area. All consumables in the first aid kit should be checked and recharged regularly.

Concrete mixing

- Concrete mixing stations will minimize the land occupation.
- Concrete mixing must be done on impermeable ground, waste and wastewater containing cement must be collected through drains with slurry sump on-site before being discharged into the receiving source.
- The concrete mixing station must be at least 200 meters away from residential houses or other sensitive buildings such as Buddhist pagodas, churches, temples, school gates, medical facilities and public agencies.

Earthworks, Cuts and Fill Slopes Management

19. Earthworks, cuts and fill slopes shall be carefully managed to minimize negative impacts on the environment.

- All earthworks shall be properly controlled, especially during the rainy season.
- The Contractor shall maintain stable cut and fill slopes at all times and cause the least possible disturbance to areas outside the prescribed limits of the works.

- The Contractor shall complete cut and fill operations to final cross-sections at any one location as soon as possible and preferably in one continuous operation to avoid partially completed earthworks, especially during the rainy season.
- In order to protect any cut or fill slopes from erosion, in accordance with the drawings, cut off drains and toe-drains shall be provided at the top and bottom of slopes and be planted with grass or other plant cover. Cut off drains should be provided above high cuts to minimize water runoff and slope erosion.
- The Contractor shall use the excavated material from for filling unless the CSC consider the material unsuitable for filling;
- Any excavated cut or unsuitable material shall be disposed of in designated disposal areas as agreed to by the CSC;

20. Minimize potential impacts along pipelines

ESCOP will be applied to pipeline installation contracts. Additional measures will be applicable at specific locations are listed in the table below:

Table 2: Site-Specific mitigation measure for pipe installation

No.	Site Characters	Issues/Risks	Mitigation measures
1	<ul style="list-style-type: none"> ▪ Construction takes place near an existing house 	<ul style="list-style-type: none"> ▪ Block or disrupt access to house ▪ Damages to the house structure (land slide at foundation) 	<ul style="list-style-type: none"> ▪ Provide temporary access to the house ▪ Install support in the pipe trenches at sections near the house foundation ▪ Back fill the pipe trenches as soon as possible
2	<ul style="list-style-type: none"> ▪ Construction takes place within 50 m from a school or health care centers 	<ul style="list-style-type: none"> ▪ Safety for the school students, patients and medical staff ▪ 	<ul style="list-style-type: none"> ▪ Avoid loading construction materials and waste within 20m from school gate and health centers; ▪ Remove the waste from the site in parallel with excavation/pipe installation;

		<ul style="list-style-type: none"> ▪ Health impacts due to dust and noise 	<ul style="list-style-type: none"> ▪ Place warning signs and speed limit at 10 km/h at this section ▪ Create safe temporary path if access is disrupted ▪ Backfill as soon as the pipe installation is completed ▪ Clean up the road at end of working shifts ▪ Water the road section passing the school and health care center if the weather is hot and dry, windy ▪ Avoid parking trucks, loading and unloading materials and wastes during peak traffic hours
3	<ul style="list-style-type: none"> ▪ Construction at road crossing 	<ul style="list-style-type: none"> ▪ Traffic disruptions, traffic safety risks 	<ul style="list-style-type: none"> ▪ Carry out construction at night time, if possible, ensure adequate lighting ▪ Coordinate with local authorities to divert traffic flow if necessary ▪ Inform the public in advance if construction takes place at nighttime
4	<ul style="list-style-type: none"> ▪ Construction takes place along roadside 	<ul style="list-style-type: none"> ▪ Traffic disruptions, traffic safety risks 	<ul style="list-style-type: none"> ▪ Avoid construction activities at peak hours ▪ Install speed limit signs at 10km/h at the two ends of construction section ▪ Minimize the volumes of materials and wastes loaded along roadside at each time
5	<ul style="list-style-type: none"> ▪ Construction take place on or passing private land 	<ul style="list-style-type: none"> ▪ Disturbance to owner's daily activities ▪ Safety risks 	<ul style="list-style-type: none"> ▪ Inform landowner and get agreement on construction schedule in advance ▪ Treat landowner with respects

		<ul style="list-style-type: none"> ▪ Dust, nuisance ▪ Damages to private properties and crops 	<ul style="list-style-type: none"> ▪ No construction at lunch and nighttime ▪ Minimize disturbed areas ▪ Do not load materials and wastes on vegetated areas, load on barren land ▪ Create safe temporary path if access is disrupted ▪ Clean up, reinstate the site completely before departure
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21. Safety during Power System Construction (poles, wires and transformers)

The following ESH guidelines for power distribution construction will be followed:

- Testing structures for integrity prior to undertaking work;
- Safety belts and Rope shall be used
- Implement fall protection measures in climbing protection measures.
- Provide adequate work-positioning device system for workers.
- When operating power tools at height, workers should use a backup safety strap;
- Signs and other obstructions should be removed from poles or structures prior to undertaking work;
- An approved tool bag should be used for raising or lowering tools or materials to workers on structures.

22. Minimize potential impacts and risks on forested land

- Work with the PIA, PMU and local authority to refine the pipeline alignment to avoid cutting trees when possible;
- Disturbance to the ground will be kept minimal. Establish the boundary of construction materials

- Carry out manual excavation and pipe installation, if necessary, in order to avoid cutting or damage to the trees.
- Strict compliance to all measures below (specified in the ESCOP and Codes of Conducts) are required
 - + Prohibitions of cutting wood and tree for cooking
 - + Wildlife catching, hunting, trading, harvesting is prohibited.
 - + Do not set fire if not authorized.
- Workers will be fully protected from harmful insects by the provision of adequate PPEs
- Encourage community monitoring on contractor's compliance.

IV. Monitoring

23. At the subproject/provincial level, PIU/DPWT staff, together with district and village authorities will be responsible for monitoring the implementation of mitigation measures as approved in the ESCOP. Monitoring information together with other information collected from various stakeholders together with observations of project activities will be reported monthly to the DPWT using standard reporting forms. Monthly monitoring reports from PIU/DPWT will include:

- List of consultations held, including locations and dates, names of participants and occupations
- Main points arising from consultations including any agreements reached;
- A record of grievance applications and grievance redress dealt with;
- Number of construction supervision reports that include assessment of contractor's compliance with safeguards in accordance with ESCOP.;
- Number of trainings of community groups in environmental and social issues (if any)

24. Throughout the construction period, the contractor will submit monthly environmental compliance progress reports to the PIU, copy furnished to the PMU. The contractor should be able to highlight the summary of the progress of construction, activities undertaken within the reporting period to implement the measures outlined in the ESCOP, record any community complaints received and how the complaint was resolved. The PIU will consolidate the results

of the monthly environmental monitoring through a quarterly progress report that will be submitted to the PMU which is based at the Department of Water Supply of the MPWT. The quarterly report will summarize the significant findings and measures undertaken to address any adverse environmental impacts during construction and also present any unforeseen environmental impacts and suggested remedial actions for the next monitoring period. Copies of the quarterly progress report prepared by the PIU will be given to the members of the Provincial Project Steering Committee and the District Governor. PMU will consolidate information from quarterly progress reports, to compile and submit integrated safeguards monitoring reports semi-annually to Word Bank. Once the reports are received by the PMU, these will be reviewed relative to subproject compliance with the indicators defined in the ESCOP. The PMU will submit the quarterly reports to the Department of Water Supply and Sanitation of MPWT and other national agencies (MONRE, MOF, MOPC, etc.), and Word Bank. The PMU will also prepare the quarterly Project Progress Reports including the main points of environmental monitoring and Semi-annual Integrated Safeguards Monitoring Reports in English to be submitted to Word Bank.

V. Supervision by Project Implementation Unit (PIU)

1. The ESCOPs are incorporated into tender documents, construction contracts, and operational management procedures. Contractors, PIA, PMU and regional office will implement these measures,
2. Depending upon subproject phase. The effectiveness of these measures will be carefully monitored to ensure they are effective and to make adjustments, as required.
3. During implementation, the PIU should monitor groundwater levels in the area periodically to ensure no over-extraction in case the CWSS accesses the water from ground water. It is recommended that the community could limit pumping times to allow for recharging and prevent over extraction of the ground water resources.

Table 3: ESCOP Report Plan

TYPE OF REPORT	BASIC CONTENT	PREPARED BY	SUBMITTED TO	FREQUENCY
Construction Progress Report	Progress of construction, including ESCOP monitoring results, complaints received, and actions taken	Contractor and PIU	PMU, District Governor, Provincial Project Steering Committee	Monthly
Construction Completion Report	Completion Report of construction, compliance to safeguards implementation, complaints received, and actions taken	Contractor, PIU and PMU	MPWT, MONRE, and other national agencies WB	1 month after completion

VI. Annexures

Annex-1: List of villages

- Oudomxay Province

ລ/ດ	ຊື່ບ້ານ	Name of village in English	CODE ລະຫັດ ບ້ານ	HH	Population	Average /HH	ນ້ຳປະປາ ຊຸມຊົນ CWSS
A.	Oudomxay province						10
I.	Namor district						5
1	ບ. ໃໝ່ນາເຕົ້າ	Mai Natao	0403017	91	566	6	1
2	ບ. ຫ້ວຍຫຼັກ, ວັງແວນ	Houay Lak +Vang Ven	0403021	97	577	6	1
3	ບ. ນ້ຳກໍ້	Namkor	0403024	93	465	5	1
4	ບ. ນ້ຳເງິນ	Nam Ngeun	0403028	160	822	5	1
5	ບ. ຜາຄຳ	Phakham	0403039	64	341	5	1
II.	Lar district						5
1	ບ. ຫາດນິກ	Hatnik	0402032	71	300	4	1
2	ບ. ປາກກໍ (ຫ້ວຍຫຼາ)	Houayla	0402046	76	353	5	1
3	ບ. ຫ້ວຍສູ້	Houayxou	0402049	72	228	3	1
4	ບ. ຕະໜອງປໍ່	Tanongpor	0402050	27	114	4	1
5	ບ. ແສນຫຼວງ	Senelouang	0402002	153	1011	7	1

- Phongsaly province

ລ/ດ	ຊື່ບ້ານ	Name of village in English	CODE ລະຫັດ ບ້ານ	HH	Population	Average /HH	ນ້ຳປະປາ ຊຸມຊົນ CWSS
B.	Phongsaly province						22
III.	Khoua district						5
1	ບ. ລາດຊາງ	Latxang	0203028	81	494	6	1
2	ບ. ຫາດນາງ	Hatnang	0203033	85	388	5	1
3	ບ. ບວມພັນ (ຜູສະທິ)	Buamphanh (Phousati)	0203062	95	628	7	1
4	ບ. ກົກງິ້ວ	Kok Ngiew	0203065	68	348	5	1
5	ບ. ກຸງລິດ	Kounglith	0203100	82	443	5	1
IV.	Mai district						5

Environmental and social code of practice (ES COP) for Nampapa Soum son

1	ບ. ປາກແພ	Pakphae	0202051	44	323	7	1
2	ບ. ຫ້ວຍກາງ	Houay Kang	0202065	30	142	5	1
3	ບ. ສະຫລວງ-ໜອງ ແຮ້ວ	Salouang	0202114	65	259	4	1
4	ບ. ນາຫຼວງ	Nalouang	0202066	66	317	5	1
5	ບ. ປ່ອງສີເກົ້າ (ຕິນຕົກ)	Pongsy Kao (Tintok)	0202024	75	399	5	1
V.	Samphanh district						7
1	ບ. ມົກກົກຫຼວງ	Mokkoklouang	0204051	116	810	7	1
2	ບ. ອາເຊີ	Axeu	0204084	95	589	6	1
3	ບ. ແສນຄຳ	Senekham	0204081	81	493	6	1
4	ບ. ມູຈີເກົ້າ	Mouchy Kao	0204075	109	754	7	1
5	ບ. ນ້ຳຖ່ວງ	Namthouang	0204037	34	200	6	1
6	ບ. ມູຈີກາງ	Mouchy Kang	0204072	75	470	6	1
7	ບ. ແສງດາວເຮືອງ	Sengdaoheuang	0204046	193	1027	5	1
VI.	Bountai district						5
1	ບ. ເພຍສຸ	Phiasou	0207006	163	731	4	1
2	ບ. ປາງໄຄ້	Pangkhai	0207013	72	394	5	1
3	ບ. ລາວກູ້ໃຫມ່	Laokou Mai	0207055	59	493	8	1
4	ບ. ມູຈີຫ້ວຍສ້ານ	Mouchy Houaysan	0207051	48	290	6	1
5	ບ. ຈາຫຼວງໃໝ່	Chalouang Mai	0207017	90	475	5	1

• Huaphanh province

ລ/ດ	ຊື່ບ້ານ	Name of village in English	CODE ລະຫັດບ້ານ	HH	Population	Average /HH	ນ້ຳປະປາ ຊຸມຊົນ CWSS
C.	Huaphanh province						21
VII.	Kuan district						5
1	ບ. ມ້າ	Ma	0709002	164	1066	7	1
2	ບ. ຝັນທອງ	Phanthong	0709001	41	233	6	1
3	ບ. ພຽງທາດ	Phiengthad	0709047	45	274	6	1
4	ບ. ຫ້ວຍຊາຍ (ເມືອງເຜີ້ອງ)	Houay Xay	0709052	98	602	6	1
5	ບ. ນາງອມ	Na Ngom	0709040	80	466	6	1
VIII.	Sone district						5

Environmental and social code of practice (ESCOP) for Nampapa Soum son

1	ບ. ຫ້ວຍສະຫງອນ	Houay Sangone	0710023	69	525	8	1
2	ບ. ສາມສຸມ	Samsoum	0710039	72	423	6	1
3	ບ. ວັງຄວ້າງ	Vangkhouang	0710085	46	290	6	1
4	ບ. ນາຈັກ	Nachak	0710086	88	631	7	1
5	ບ. ລ້ອງງົວປ່າ	Long Ngouapa	0710087	119	872	7	1
IX.	Samtai district						5
1	ບ. ເຕົ້າ	Tao	0706019	199	1031	5	1
2	ບ. ນາມາດ	Namath	0706050	57	308	5	1
3	ບ. ເຜືອໃຕ້	Pheua Tai	0706213	56	313	6	1
4	ບ. ນາຮຽງ	Nahieng	0706030	116	798	7	1
5	ບ. ຫ້ວຍນີ	Houay Ny	0706188	96	707	7	1
X.	Huamuang district						6
1	ບ. ສົ້ນຂົວ	Sonkhoua	0705069	172	882	5	1
2	ບ. ກໍ່ຮຶງ	Korhing	0705073	136	754	6	1
3	ບ. ປ່າຄາໃຕ້	Pakha Tai	0705048	112	625	6	1
4	ບ. ຜ່ານາງ	Phanang	0705007	91	675	7	1
5	ບ. ອຸໄທ	Outhai	0705026	47	383	8	1
6.	ບ. ລອ້ງ	Long	0705025	54	366	7	1

• Xiengkouang province

ລ/ດ	ຊື່ບ້ານ	Name of village in English	CODE ລະຫັດບ້ານ	HH	Population	Average /HH	ນ້ຳປະປາ ຊຸມຊົນ CWSS
D.	Xiengkhuang province						10
XI.	Kham district						5
1	ບ. ໄຮ່ໜ່ຽງ	Hainieng	0902022	106	654	6	1
2	ບ. ກໍ່ງົວ	Kor Ngiew	0902103	125	648	5	1
3	ບ. ຊາມ	Xam	0902050	102	459	5	1
4	ນາຫຼວງ (ລ້ອງຄາວ)	Nalouang	0902118	74	375	5	1
5	ສົບອໍ້	Sob-O	0902062	69	398	6	1
XII.	Nonghet district						5

Environmental and social code of practice (ESCOP) for Nampapa Soum son

1	ບ. ແກ້ວເຈ້ຍ	Keochia	0903003	80	541	7	1
2	ບ. ສວນອ້ອຍ	Souan Oy	0903011	72	510	7	1
3	ບ. ວັງຄຳ	Vangkham	0903095	74	481	7	1
4	ບ. ຊ້າງເກັດ	Xangket	0903006	22	142	6	1
5	ບ. ສັນຍົມ	Sanyom	0903007	43	293	7	1

Annex-2: Template for Contractor's Environmental and Social Management Plan (C-ESMP) Monitoring Report.

(to be used by Construction Supervisors)

Scaling-Up Water Supply, Sanitation, and Hygiene Project

IDA Project No.: SWSSHP (P-164901)

Subproject: Construction of Community Water Supply Systems (Nam Papa Soum Son) in

CONTRACTOR'S ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN (C-ESMP)

for

Community Water Supply Systems (Nam Papa Soum Son) in of

.....district

Contract Package: C1/W/.....

District/Villages: Village, district

Name of Contractor:

Month [] Year []

CONTRACTOR'S COMMITMENT

We are [name of contractor], the entity that will execute the [code and name of contract package, work content] of the [name of Project].

At required by the Project, herewith we submit the Contractor's Environmental and Social Management **Plan** (C-ESMP) for the above-mentioned contract package for consideration and approval by the CSC/PMU.

We know that there are potential environmental, health and safety risks and negative impacts at the constructions sites and at places disturbed by the construction activities. There are also the risks of social impacts and disturbances to the local communities and the public caused by construction activities and the labor influx. We are committed to comply with the Project's ESMP requirements, the Environmental, Social, Health and Safety provisions stated in the bidding documents and construction contract. We also commit to fully implement measures to mitigate impacts and manage environmental, social, health and safety risks as highlighted in this C-ESMP throughout the implementation of this package.

CONTRACTOR'S REPRESENTATIVE

[sign]

Table VI-1 Project Overview, Snapshot of Project Progress

Project Number and Title:		
Safeguards Category	Environment	
	Indigenous Peoples	
	Involuntary Resettlement	
Status of C-ESMP	<i>{Read and delete: State if the C-ESMP has been drafted/ approved or updated etc.} and date}</i>	
Reporting period:		
Last report date:		
Contract Sign and End date		
Construction Start Date		
Key sub-project activities since last report:	<i>{Read and delete: This section should include, among others, the following:}</i> <ul style="list-style-type: none"> ● Contract awarding ● Progress of Work (% physical completion) ● Status of Safeguard Approvals / Permits / Consents* ● Note if a CAP is currently being implemented or not 	
Report prepared by:		

3. C-ESMP Implementation Monitoring

Training on ESHS

{Read and delete: Provide brief on training on ESHSs have been conducted during this report period}

Table VI-2 Summary Training Activities

Date	Contents/Topics covered	Delivered by	Number of Participants, organization

Status of C-ESMP Implementation and Compliance

Read and delete: Summarize main mitigation/protection measures implemented in the reporting period.

7. xxx

8. xxx

{Read and delete: Include C-ESMP table or updated C-ESMP table if applicable. Assess compliance of environmental management activities with the ESMP. For that purpose, include additional columns entitled "Compliance Status", "Comment or Reasons for Non-Compliance", and "Issues for Further Action". Example is provided below.}

Compliance with EMP Requirements (Environmental Performance

Table VI-3 Compliance with ESMP Requirements (Environmental Performance)

EMP Requirements	Compliance Status (Yes, No, Partial)	Comment or Reasons for Non-Compliance	Issues for Further Action
Use environmental impact as main heading and EMP as listing (see example below)	Use ESMP list as basis for rating/evaluating compliance (see example below)		
Pollution Control Measures			

Table VI-4 Issue for Further Action

Issue	Required Action	Responsibility and Timing	Resolution
Old Issues from Previous Reports			
List of C- ESMP measures or activities not completed (last column of previous table)			
New Issues from This Report			

Health and Safety

{Read and delete: Provide narrative of occupational and community health and safety issues that occurred during the reporting period. Any accident involving injury or death of workers or community members must be reported. Include investigation report of DOLISA as attachment to the report. Provide details in the Table below.}

9. xxx

10. xxx

Table VI-5 Health and Safety Issue

Issue	Required Action	Responsibility and Timing	Resolution
Old Issues from Previous Reports			
New Issues from This Report			

Inspection, Meeting with Stakeholder

{Read and delete: List the inspects, meetings with various stake holders, their feedback and follow up actions}

11. xxx
12. xxx

4. Public Consultation and Information Disclosure

{Read and delete: Describe public consultation activities during the reporting period. Confirm compliance with consultation plan defined in the ESMP and the RP(s) or justify deviation from these plans. Present planned consultation activities in next reporting period. Use Tables as appropriate.}

- Field Visits (sites visited, dates, persons met)
- Public Consultations and meetings (Date; time; location; agenda; number of participants disaggregated by sex and ethnic group, not including project staff; Issues raised by participants and how these were addressed by the project team)
- Press/Media Releases
- Material development/production (e.g., brochure, leaflet, posters)
- Information disclosure

13. xxx
14. xxx

5. Grievance Redress Mechanism

{Read and delete: Describe mechanisms established to address and redress public complaints and grievances related to social and environment safeguards. Summarize grievances received, if any, and measures implemented to redress them. Provide evidence of functional/operational GRM:

1. letter that states that the GRM has been established and is operational, included as an attachment- the list of GRM members at each level, the PMU focal person for GRM and an implementation budget has been allocated.
 2. Statements and supporting documents that GRM focal points have been mobilized and functioning in their role.
 3. Pamphlet/Leaflet and Project Information Booklet that has the GRM steps explained, and GRM focal point contact numbers handed out to all AHs and available at village halls. Evidence includes photos, distribution/attendance list and handout.
 4. Evidence of consultation/verbal dissemination of the GRM to AHs and public consultation. Attach presentation materials, minutes of meetings, photos and attendance sheets.
 5. Photos of signage within the community and near construction sites with clear indication of first point of contact.
 6. Photos/scans of record keeping system is established and functioning such as grievance ledgers with entries.
- Number of new grievances, if any, since last monitoring period: _____
 - Number of grievances resolved: _____
 - Number of outstanding grievances: _____

Type of Grievance	Details (Date, person, address, contact details, etc.)	Required Action, Responsibility and Timing	Resolution
Old Issues from Previous Reports			
New Issues from This Report			

6. Conclusion

{Read and delete: Highlight important results from the implementation of C-ESMP monitoring; recommendations to improve C- ESMP management, implementation, and monitoring; key activities planned in next reporting period}.

15. xxx

16. xxx

7. Appendix

Construction Site Photos

{Read and delete: add the photos of the construction site at all typical locations of each package with comments on the measures that have been implemented well and measures to be overcome. These photos must be returned to .jpeg and limited in capacity}

Incident Reports

{Read and delete: must be prepared as soon as possible after an incident has happened and attach to the monthly reports. Provide details about:

- *Affirming any violation to current legislation or international treaties.*
- *Any fatal accident or serious accident.*
- *Serious impacts or damage to personal property such as traffic accidents, damage to people's houses, roads and other incidents.*
- *Seriously polluting surface or groundwater.*
- *Any allegations related to sexual harassment or sexual misconduct, child abuse, child labor, or other violations involving children*

Consent/permits

Others