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## SECTION A. PROJECT DESCRIPTION

### A. 1. Title of the project activity

Title: Nam Sor Hydropower Project

Date: 29/05/2015

Version no.: 02

### A. 2. Project eligibility under the Gold Standard

Project is eligible for GS as it fulfils following criteria:

#### a) Scale of project activity

This project is a small-scale project. The capacity of the project is 4.2MW.

#### b) Host country or state

The project is located in Lao PDR which is one of the eligible states for Gold Standard CDM projects. Also, Lao PDR is a LDC<sup>1</sup> and LLDC<sup>2</sup> published by UN.

#### c) Type of project activity

The Project is a Renewable Energy Supply Project that generates and delivers energy from non-fossil and non-depletable energy source (hydro power).

Furthermore, as a hydropower project,

- The project is not located in a High Conservation Value (HCV) area, therefore it is eligible under the Gold Standard.
- The Environmental Impact Assessment Report (EIAR) has addressed the following issues sufficiently:
  - i) Competing use of water
  - ii) Minimal Ecological Flow
  - iii) Groundwater level
  - iv) Fish Passage Effectiveness
  - v) Sediment Management
  - vi) Soil Erosion
- One-day training for the hydropower plant staff will be conducted on the different issues

#### d) Greenhouse gases

Among the greenhouse gases eligible under the Gold Standard, this project is reducing Carbon Dioxide (CO<sub>2</sub>).

#### e) Official Development Assistance (ODA)

This project is eligible for Gold Standard registration because it does not receive any ODA funding. The ODA declaration has been signed and will be provided to GS registry.

#### f) Project timeframe

<sup>1</sup> <http://unohrrls.org/about-ldcs/>

<sup>2</sup> <http://unohrrls.org/about-ldcs/country-profiles/>

The project is not previously announced to be going ahead without the revenues from carbon credits, and the project will undergo “Previous announcement check”.

**g) Other Certification Schemes**

The project has not applied or is seeking for any other certification scheme, therefore no double counting will occur and therefore it is eligible under the Gold Standard.

**A. 3. Current project status**

Currently, the project has not started yet, the Project Owner is currently in the construction preparing stage, the IEE report and FSR report have been finished and approved. The CDM prior consideration form has been submitted to UNFCCC.

**SECTION B. DESIGN OF STAKEHOLDER CONSULTATION PROCESS**

**B. 1. Design of physical meeting(s)**

**i. Agenda**

Considering the Project is located at remote area with poor transportation condition, the Local Stakeholder Meeting for Nam Ngao Hydropower Project was held at two different places separately. One was held in Vientiane at 9:00 am Mar 20<sup>th</sup> 2015 (Friday) for government officer, NGOs, experts, etc., the other one was held in Ban Meexay at 2:00 pm on Mar 18<sup>th</sup> 2015 (Wednesday) for local residents surrounding the project site. If NGO was interested, they could attend both of the meetings. The meetings were organized in line with the Gold Standard requirements, and the meetings’ agenda is the same exactly.

**Agenda**

- Registration
- Welcome remarks
- Introduction of Participants
- Project Overview and introduction
- Break
- Questions and Answers
- Introduction of the Gold Standard and its procedures
- Questions and Answers
- Discussion on continuous input / grievance mechanism
- Break
- Open discussion (All stakeholders are invited to give their comments, critics and support concerning the project)
- Declared the meeting closed

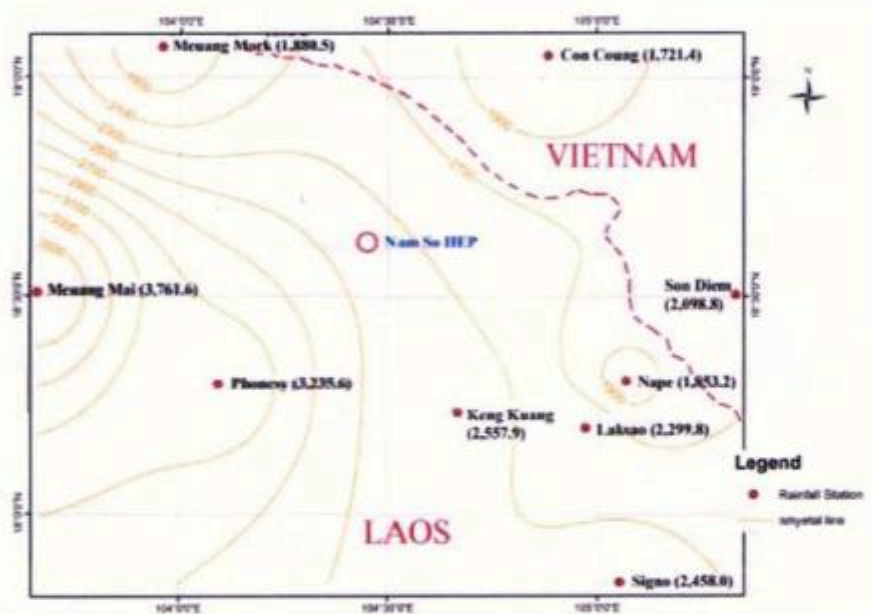
**ii. Non-technical summary**



## Non-technical summary in Laotian:

### ສັງລວມຂໍ້ມູນ ທີ່ບໍ່ແມ່ນ ທາງດ້ານ ເຕັກນິກ ຂອງ ໂຄງການ ເຂື່ອນໄຟຟ້າ ຈີ້

ໂຄງການເຂື່ອນໄຟຟ້ານ້ຳ Sor ເປັນໂຄງການໄລຍະຂອງການນໍ້າໄຟຟ້ານໍ້າຕົກທີ່ຕັ້ງຢູ່ໃນບ້ານ, ເມືອງວຽງທອງ, ແຂວງ ຢູ່ໃນພາກສ່ວນສູນກາງຂອງສ. ປ. ປ. ລາວ. ໂຄງການໄດ້ວາງແຜນທີ່ຈະໄດ້ຮັບການປະຕິບັດໂດຍ ຈຳຄອນຫລວງວຽງຈັນ, ໂຄງການຈະຫັນນໍ້າຂອງນໍ້ ນໍ້າໃນການຜະລິດໄຟຟ້າເພື່ອຜະລິດພະລັງງານຕາຊ່າຍໄຟຟ້າພາຍໃນປະເທດປະກອບສ່ວນດັ່ງນັ້ນຈຶ່ງກັບໄຟຟ້າພາຍໃນປະເທດໄດ້. ການຕິດຕັ້ງຄວາມອາດສາມາດທັງໝົດຂອງໂຄງການແມ່ນ 4.2MW.



ກຳລັງຕິດຕັ້ງທັງໝົດເອົາກັບ 4.2 ເມກາວັດ, ຈະບໍ່ມີແຫຼ່ງກຳເນີດມົນລະພິດເກີດຂຶ້ນໃນໄລຍະການ ກໍ່ສ້າງ ແລະ ປະຕິບັດງານຂອງໂຄງການ, ເຂື່ອນຜະລິດໄຟຟ້າຂະໜາດນ້ອຍເປັນໂຄງການທີ່ມີ ລະບົບ ລະບົບທີ່ຊຸດຕໍ່ສົ່ງແວດລ້ອມ ແລະ ປະຊາຊົນທີ່ຮຽກຮ້ອງຕົວຕົນທີ່ສຳຄັນທີ່ໄດ້ຮັບຮູ້ ແລະ ໄວ້ໃ ໄລຍະການ ກໍ່ສ້າງ ແລະ ກຳລັງຈາກ ປຸງ ແປງພະລັງງານ ຈີ້ ມາເປັນ ພະລັງງານ ໄຟຟ້າ ກະແສ ຈີ້ ໂຫລຈະມີການຄຸ້ມຄອງຊຶ່ງປັດສະຈາກມົນລະພິດຕ່າງໆ. ໃ ໄລຍະການ ກໍ່ສ້າງທຸກລະບົບການ ທີ່ກ່ຽວກັບການປັບ ງານ ຄຸ ລະກຳອາກາດຈະຕ້ອງມີການ ຕິດຕາມ. ວັດສະດຸແຂງ ແລະ ວັດສະດຸແຫລວ ທີ່ເປັນອັນໃນໄລຍະ ເວລາການ ກໍ່ສ້າງ ແລະ ການ ຄຸ້ມຄອງ ຈີ້ໂຊ້ໂຄງການ ຈະຕ້ອງລວບລວມ ແລະ ບໍ່ໄດ້ຮັບການ ໂດຍອີງໃສ່ກຳລັງກົດໝາຍລະບົບການທີ່ກ່ຽວຂ້ອງກ່ອນຈະນຳໃຊ້. ອີກປະການ ທີ່ ຄວາມສະອາດ ແລະ ຄວາມຫມັ້ນຄົງໃນການສະໜອງກະແສໄຟຟ້າຈະເປັນ ຈຶ່ງກຳລັງຈາກໂຄງການ ຈະ ໄດ້ເລີ່ມຕົ້ນ ກໍ່ສ້າງໃ ມື້ນີ້.

ໂຄງການ ຈະລະເຫີຍ ໂຄງການ ຫລຸດຜ່ອນ ການ ປ່ອຍອາຍພິດ ເຮືອ ແກ້ວ. ໂກ ດ ພະແຕ ຕາດ (GS) ຊຶ່ງເປັນ ດາງວັ ຊະ ະເລີດສຳຫລັບໂຄງການ ການ ຫລຸດຜ່ອນ ການປ່ອຍ ແລະ ໄດ້ຖືກຍອມຮັບ



ຈາກອົງການຈັດຕັ້ງສາກົນ ຊຶ່ງເປັນແກນມາດຕະຖານສໍາຫລັບຄຸນນະພາບ ແລະ ເຂັ້ມງວດໃນທັງທາງ ດ້ານ ກາ ຍອມປະຕິບັດຕາມ ແລະ ດ້ວຍຄວາມສະມັກໃຈຂອງຕະຫລາດກາກບອ .

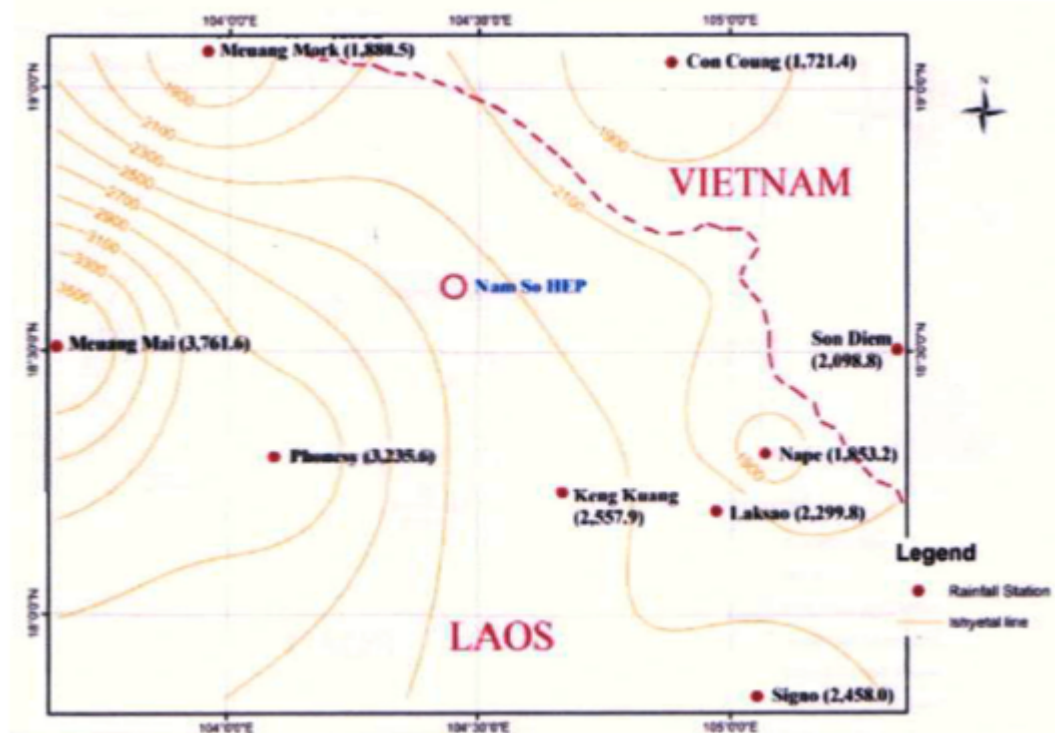
ອົງກາ ໂກ ດ໌ ສະແຕ ດາດ ໄດ້ຈັດຕັ້ງໂຄງຮ່າງ ແລະ ຕິດຕາມມາດຕະຖານ ທີ່ຖືກລະບຸຈາກ ສັ ຍາ ກຽວໂຕ (ປະເທດຍີ່ປຸ່ນ) ກ່ຽວກັບປຶ້ມການສາກົນຂອງການຫຼຸດຜ່ອນມົນລະພາວະ, ສໍາລັບການຄຸ້ມຄອງ ແລະ ອະນຸມັດຍັງມີທາງໂຄງການໄດ້ປະຕິບັດມາ. ໃບຍັງມີນັ້ງກ່າວຈະຖືກຮັບ ຮອງຈາກ ບໍລິສັດ ແລະ ອົງການຈັດຕັ້ງສາກົນ ທີ່ໄດ້ມີການຄົ້ນຄວ້າ ແລະ ມອບລາງວັນ ໃຫ້ແກ່ຄວາມອາ ສາສະໝັກດ້ວຍຕົ ເອງ

ໂຄງການ ກໍ່ສ້າງເຂື່ອນຜະລິດໄຟຟ້າ ຈະສໍາເລັດໄດ້ດ້ວຍກາ ຍັງມີນຈາກ ອົງກາ ໂກ ດ໌ ສະແຕ ດາດ ທີ່ກ່າວຫາໄປສູ່ກາ ສ້າງລາຍຮັບເພີ່ມສໍາລັບໄລຍະສັດຕະວັດໄຟຟ້າສະອາດ, ເຊິ່ງຈະ ຈໍໄປສູ່ໂຄງກາ ທີ່ຍີ ຍົງ.

ອົງກາ ໂກ ດ໌ ສະແຕ ດາດ ຈະຖືກຮັບຮູ້ ແລະ ຈໍໃຊ້ໃ ປະເທດທີ່ບໍ່ມີລາຍຊື່ ໃ ໂຄງກາ ຫຼຸດ ຜ່ອ ກາ ປ່ອຍອາຍຜິດເຮືອ ແກ້ວທີ່ໄດ້ຖືກກາ ັດໄວ້ໃ ສັ ຍາ ກຽວໂຕ (ປະເທດຍີ່ປຸ່ນ).

### Non-technical summary in English:

The Nam Sor Hydropower project is a run-of-river hydropower project located in Ban Meexay, Viengthong District, Borlikhamexay Province in the Central part of Lao PDR. The project is planned to be implemented by Vientiane Techno Co., Ltd. The project will divert the water of the Nam Sor River to generate electricity to local power grid thus contribute to the local electrification. The total install capacity of the project is 4.2MW.



No significant pollution source is anticipated during the construction and operation of the project. Small Hydropower plants are the projects with minimal impact on environment and local people. No environmental harmful emission is expected during the operation period. After the conversion of potential energy of water to electrical energy the water flow will be maintained without any pollution. During the construction all regulations regarding protection of air quality will be followed. Any solid and liquid wastes formed during the construction and operation of the plant will be collected and treated in accordance with relevant regulations before discharging. On the other hand,

clean and stable power supply would be realized after the project start operation in the near future.

The project will apply for the Gold Standard-CDM project. The Gold Standard (GS) is an award winning certification standard for carbon mitigation projects and is recognized internationally as the benchmark for quality and rigor in both the compliance and voluntary carbon markets. The Gold Standard organization sets a framework –following the schemes defined by the Kyoto-Protocol for the international trading of emission reductions – for the generation and trading of certificates attesting emission reductions achieved by a project. These certificates are purchased by foreign companies and organizations who intend to voluntarily compensate own emissions. Nam Sor Hydropower Project shall be realized with the help of the Gold Standard approach that leads to an additional income for the clean electricity generation and thus makes the project economically viable. The Gold Standard CDM approach is applicable in countries that are not subject to a GHG emission target defined in the Kyoto-Protocol.

### iii. Invitation tracking table

Category Code	Organization (if relevant)	Name of invitee	Way of invitation	Date of invitation	Confirmation received? Y/N
A	Leader& Officer of Village organization	Anonymous	Bulletin or oral notice	6/3/2015	Y
A	Leader& Officer from Council of village Elder	Anonymous	Bulletin or oral notice	6/3/2015	Y
A	Leader& Officer from village women's organization	Anonymous	Bulletin or oral notice	6/3/2015	Y
A	Local villagers	Anonymous	Bulletin or oral notice	6/3/2015	Y
B	Officials of local government	Anonymous	Email	6/3/2015	Y
E	Gold Standard	Anonymous	Email	6/3/2015	N
F	Global Association for People and the Environment	Anonymous	Email	6/3/2015	Y
C	Lao DNA	Anonymous	Email	6/3/2015	Y
F	REEEP	Anonymous	Email	6/3/2015	N
F	Mercy Corps	Anonymous	Email	6/3/2015	N
F	WWF	Anonymous	Email	6/3/2015	N
F	Global Environmental Institute (GEI)	Anonymous	Email	6/3/2015	N

F	Green Peace	Anonymous	Email	6/3/2015	N
F	Care International	Anonymous	Email	6/3/2015	N
F	Citizens's Alliance for Saving the Atmosphere and Earth (CASA)	Anonymous	Email	6/3/2015	N
F	Clean Energy Nepal	Anonymous	Email	6/3/2015	N
F	Climate Action Network South Africa	Anonymous	Email	6/3/2015	N
F	David Suzuki Foundation	Anonymous	Email	6/3/2015	N
F	Development Alternatives	Anonymous	Email	6/3/2015	N
F	Earth Advantage, Inc.	Anonymous	Email	6/3/2015	N
F	EnerGHG India	Anonymous	Email	6/3/2015	N
F	Energy Forum	Anonymous	Email	6/3/2015	N
F	Euronatura–Center for Environmental Law and Sustainable Development	Anonymous	Email	6/3/2015	N
F	European Business Council for Sustainable Energy e5	Anonymous	Email	6/3/2015	N
F	Fair Climate Network	Anonymous	Email	6/3/2015	N
F	Forum for the Future	Anonymous	Email	6/3/2015	N
F	Fundacion Ecodiversidad Colombia	Anonymous	Email	6/3/2015	N
F	Zero: Regional Environment Organisation	Anonymous	Email	6/3/2015	N
F	The Climate Group (China)	Anonymous	Email	6/3/2015	N
F	Renewable Energy & Energy Efficiency Institute	Anonymous	Email	6/3/2015	N
F	Philippine Solar Energy Society	Anonymous	Email	6/3/2015	N
F	A World Institute for a Sustainable Humanity (A W.I.S.H)	Anonymous	Email	6/3/2015	N

F	The Whitmore Initiative Society	Anonymous	Email	6/3/2015	N
F	The Environmental Investigation Agency	Anonymous	Email	6/3/2015	N
F	SouthSouthNorth	Anonymous	Email	6/3/2015	N
F	SolarAid	Anonymous	Email	6/3/2015	N
F	SKG Sangha	Anonymous	Email	6/3/2015	N
F	Sibol ng Agham at Teknolohiya	Anonymous	Email	6/3/2015	N
F	Shanshui Conservation Center, China	Anonymous	Email	6/3/2015	N
F	PURE the Clean Planet Trust	Anonymous	Email	6/3/2015	N
F	Plantons Utile	Anonymous	Email	6/3/2015	N
F	Indonesian Climate Action Network	Anonymous	Email	6/3/2015	N
F	International Centre for Eradication of Poverty	Anonymous	Email	6/3/2015	N
F	Kangmei Institute of Community Development and Marketing	Anonymous	Email	6/3/2015	N
F	Kiko Network	Anonymous	Email	6/3/2015	N
F	KLIMA	Anonymous	Email	6/3/2015	N
F	Triangle Generation Humanitaire	Anonymous	Email	6/3/2015	N
D	Local independent consultant and expert	Anonymous	Email	6/3/2015	Y

Please explain how you decided that the above organisations/ individuals are relevant stakeholders to your project. Also, please discuss how your invitation methods seek to include a broad range of stakeholders (e.g. gender, age, ethnicity).

According to GS requirements and guidelines, we invited people from the following categories:

For category A~ E who are direct stakeholders of this project, were invited by bulletin or oral notice. They then had the choice to attend the meeting voluntarily. Stakeholders who followed an invitation by bulletin did not give formal confirmation of their participation at the meeting in advance, but confirmed their participation by their attendance.



For other categories, category F local government representatives, invitations were done by Email. For category H NGOs in Lao PDR/ international NGOs, category G GS experts and I for local independent consultant and expert (eg. faculty from local university) invitations were sent by email.

#### iv. Text of individual invitations

The Laotian version individual invitation letter is given below:

### ທ້ອງຖິ່ນມີສ່ວນຮ່ວມເຊີນປຶກສາຫາລື ນ້ຳ ເຂື່ອນໄຟຟ້າ

ຮຽ : ທ່າ ແຂກຜູ້ມີກຽດທັງຫຼາຍ

ໂຄງການ ເຂື່ອນໄຟຟ້າ ຈຳພາໃຫຍ່ຮາຍໂດຍພາວເວີ ເປັ ໂຄງການ ກິ ໂກຮາ ພັດທະ າສະອາດໂຄງການ  
ຫນຶ່ງຂອງອົງການ ໂກ ລສະແຕ ດາດ.ກອງປະຊຸມສາມັນນີ້ໄດ້ຈັດຕັ້ງຂຶ້ນ ເພື່ອເກັບກຳຄວາມຄິດ  
ເຫັນ ຂອງຜູ້ມີສ່ວ ຮ່ວມກ່ຽວກັບຜົນ ກະທົບຂອງໂຄງການ ຕາມມາດຕະຖານ ຂອງ ອົງການ ໂກ ລສະແຕ  
ດາດ.

ກອງປະຊຸມນີ້ຈະໄດ້ຈັດຂຶ້ນທີ່ໂຮງແຮມ ດີອ ລັ ພາເວຊໄ ຢູ່ 9:00 am ມື້ນາ 20 (ວັນສຸກ), ໃນປີ  
2015. ໃ າມຜູ້ຈັດຕັ້ງກອງປະຊຸມ ພວກເຂົາຍິ ດີຮັບຄຳແ ະ ຈຳ, ຄຳເຫັນ ແລະ  
ຄຳເຕືອ ຈາກ ຜູ້ມີສ່ວ ຮ່ວມໝົດທຸກທ່າ . ຈະມີພະແ ກແ ະ ຈຳຕົວ ແລະເກັບກຳຂໍ້ມູ .  
ພວກເຂົາຍິ ດີຮັບຕ້ອ ຖ້າທ່າ ມີຈຸດປະສົງເຂົ້າຮ່ວມ.

ຂໍສະແດງຄວາມ ັບຖື

ເບີໂທ: 00856-20-28190844

0086-10-84549953

The English version individual invitation letter is given below:

Dear Sir/Madam,

Nam Sor Hydropower Project is a Gold Standard CDM candidate project. The physical meeting is to be held to collect opinions from stakeholders regarding the impacts from

the project according to the requirement of Gold standard.

This meeting will be held at Don Chan Palace Hotel & Convention 9:00 am Mar 20<sup>th</sup> 2015 (Friday), as the project participants, we humbly accept the advices, comments and suggestion of all stakeholders, looking forward to your attendance. There will be an introduction and a comments collecting section. Your presence is welcomed.

Kind Regards

Vientiane Techno Co., Ltd.  
Contact Person: Mr Yaodong Lu  
Mobile: 00856-20-28190844

South Pole Carbon Asset Management Ltd.  
Contact Person: Ms Fang Qun  
Telephone: 0086-10-84549953

#### **v. Text of public invitations**

**The public invitation letter is given below:**

Dear Sir/Madam,

Nam Sor Hydropower Project is a Gold Standard CDM candidate project. The physical meeting is to be held to collect opinions from stakeholders regarding the impacts from the project according to the requirement of Gold standard.

This meeting will be held at the Ban Meexay at 2:00 pm Mar 18<sup>th</sup> (Wednesday), as the project participants, we humbly accept the advices, comments and suggestion of all stakeholders, looking forward to your attendance. There will be an introduction and a comments collecting section. Your presence is welcomed.

Kind Regards

Vientiane Techno Co., Ltd.  
Contact Person: Mr Yaodong Lu  
Mobile: 00856-20-28190844

South Pole Carbon Asset Management Ltd.  
Contact Person: Ms Fang Qun  
Telephone: 0086-10-84549953

#### **B. 2. Description of other consultation methods used**

If individuals and/ or entities (e.g. NGOs) are unable to attend the physical meeting, please discuss other methods that were used to solicit their feedback/ comments (e.g.

questionnaires, phone calls, interviews).

All possible stakeholders were contacted via email, bulletin or oral notice. In the event that the stakeholders could not attend the physical meeting, the project proponents offered for the allowance of a representative to attend the meeting. Some national agencies which have been informed as required by GS have not responded to the invitation since there is no regulation for voluntary market. In addition, the project proponents encouraged people to make inquiries or give comments on the project; the stakeholders could contact the Project owner or South Pole directly either via letter, email or telephone.

Since the consultation methods are assessed sufficient to reach stakeholders, no other method was not considered necessary.

## SECTION C. CONSULTATION PROCESS

### C. 1. Participants' in physical meeting(s)

#### i. List of participants

Participants list					
Date and time: 18/03/2015					
Location: Ban Meexay					
Category Code	Name of participant, job/ position in the community	Male/ Female	Signature	Organisation (if relevant)	Contact details
A	Onetavong/Leader from village women's organization	Female		Ban Meexay	0304902469
A	Khammoun/Officer of Village organization	Male		Ban Meexay	99851140
A	Poung/Local villager	Male		Ban Meexay	91420393
A	Thoumma/Local villager	Male		Ban Meexay	
A	Thepphavong/Vice-Leader of village organization	Male		Ban Meexay	
A	Ming/Vice-Leader of village organization	Male		Ban Meexay	02096902500
A	Onetavong/Leader from Council of village Elder	Male		Ban Meexay	
A	Keomany/Local villager	Male		Ban Meexay	989535
A	Kongkeo/Local villager	Male		Ban Meexay	9677487

A	Chandy/Local villager	Male		Ban Meexay	
A	Onesy/Local villager	Male		Ban Meexay	
A	Phonexay/Local villager	Male		Ban Meexay	

<b>Participants list</b>					
Date and time: 20/03/2015					
Location: Vientiane Capital					
Category Code	Name of participant, job/ position in the community	Male/ Female	Signature	Organisation (if relevant)	Contact details
C	Phovong Luangxaysana/ Director	Male		DDMCC, MONRE	
C	Immala Inthaboualy/ Duputy of Division	Male		DDMCC, MONRE	
B	Khamman Sopraseuth/ Deputy Director of Division	Male		Renewable Energy Institute, MEM	
B	Bounthong Keohanam/ Division Director	Male		Department of Urban and Planning, MPWT	
B	Saiysamon Chansanga/ Director of Division	Male		Renewable Energy Institute, MOST	
B	Davone Thongphan/ Director of Division	Male		Faculty of Forestry Sciences, NUOL	
C	Houmphaeng Boupkham/ Director of Division	Male		Department of Forestry resources management, MONRE	
B	Phongun Souvanhnavong/ Director of Division	Female		Institute of Public Work and Transport, MPWT	
B	Saengchan Phaxayyaseng/ Director of Division	Male		Department of Technology, MOST	
B	souvath sisoutham/ Technical	Male		Department of policy and Energy plan, MEM	
B	Chansavanh Keovixay/ Technical	Female		Department of policy and Energy plan, MEM	
B	Viengsommath/ Technical	Female		Department of Transport, MPWT	
B	Aphavanh Manivanh/ Technical	Male		Vientiane Urban Development Administration Authority	



C	Oudomluck Chanthavong/ Technical	Male		Department of quality environment, MONRE	
C	Jam Chanmany/ Technical	Female		DDMCC, MONRE	

Comments accompanying Annex 1

## ii. Evaluation forms

Name	What's your impression of the meeting?	What do you like about the project?	What do you not like about the project?	Signature
Kongkeo	Positive	Positive	Positive	
Chandy	Positive	Tree planting	Positive	
Onetavong	Positive	Provide Power	Positive	
Khammoun	Positive	Provide Job	Positive	

Please attach original evaluation forms (in original language) as Annex 2.

Comments accompanying Annex 2

### C. 2. Pictures from physical meeting(s)



Pictures of the 1<sup>st</sup> Physical Meeting



Pictures of the 2<sup>nd</sup> Physical Meeting

### C. 3. Outcome of consultation process

#### i. Minutes of physical meeting(s)

Please ensure that you include a summary of the meeting as well as all comments received. Please also include discussion on Continuous Input / Grievance Expression methods; comments, agreement or modifications suggested by Stakeholders.

The stakeholder consultations have been carried out in the following order:

- **Registration**

Participates signed the attendance list.

- **Welcome remarks**

The project proponents welcomed the participants and explained the purpose of the agenda.

- **Introduction of Participants**

The organizer explained the organization structure, organization culture, and experience on hydropower projects' construction and operation.

- **Project Overview and introduction**

The organizer explained the Project, its technology and explained the GS-CDM application for the Project. The non-technical summary was used as a basis for this.

- **Discussion on continuous input / grievance mechanism**

After discussion, the continuous input / grievance mechanism was approved by all the participates, refer to Section E.2 for details.

- **Questions and Answers**

✧ What is Golden Standard?

✧ What are impacts on environment and benefits to the local people?

All these questions were fully and satisfactorily answered by the project proponents.

- **Blind sustainable development exercise**

General manager explained three categories of sustainable development: environment, social development and technological & economic development, and their possible indicators. He also explained that the evaluation would be done by comparing the project activity with a standard coal-fired power plant, which is the baseline situation. He asked which indicators the stakeholders thought were relevant to the project and then listed the indicators mentioned. He asked the audience to score them 'positive' 'neutral' or 'negative', and allowed the stakeholders to freely discuss the indicators.

- **Discussion on monitoring sustainable development**

The principle of monitoring data was explained and the stakeholders were asked if they have ideas on how to monitor the indicators if scored positive and on how to monitor the mitigation measures if the indicators scored negative. The result of this is documented in Section E below.

- **Open discussion**

Questions and comments by the stakeholders are summarized in section C.3.iii. of this report.

- **Declared the meeting closed**

The project proponents expressed their appreciation to all participants who attended the meeting and who offered many constructive suggestions.

## ii. Minutes of other consultations

There has been no other consultation.

## iii. Assessment of all comments

During the consultation process, the stakeholder feedback was collected in a format of questionnaire. A questionnaire was designed according to the Annex AC "Sustainable Development Indicator Questions" and "Gold Standard Rules and Toolkit", which covers different sustainable development matrix. Based on the feedback for the questionnaire, the Stakeholders' comments on social and environmental impacts as well as sustainable development were summarized in Section D.3 of this document. For the example of the questionnaire was presented below in this section.

Furthermore, to collect opinions from the participants, the stakeholders provided their comments freely without limited to the questionnaire in the meeting, which is summarized in the below table:

Stakeholder comment	Was comment taken into account (Yes/ No)?	Explanation (Why? How?)
Does the project provide job opportunities to nearby village?	Yes	Project Owner's representative mentioned that all the construction works would be open for local construction company, and would

		request the company to recruit locally.
Some stakeholders expected the project owner could provide stable electricity to nearby village.	Yes	The Project Owner's representative mentioned that it is not allowed to supply electricity directly from the plant to end user, but the project owner would keep the power line(s) for construction even after the project comes into operation, thus the surrounding village can use those power lines to connect to the grid.
Is there Land occupied by the project?	No	Project Owner's representative confirmed that none village would be directly affected by the intake weir, access road and powerhouse construction, due to the project site is far away from villages.
Is the technology used in the project reliably?	Yes	The project owner confirmed that they will choose reputable manufacturer to provide mature technology and equipment.
Does the project's implementation affect the irrigation?	No	The project owner explained that there's no reservoir for the project to regulate the run off of the river, thus will not affect the water for irrigation. Actually project is far away from nearby village and there is no farmland nearby.
<b>Questionnaire sample:</b>		



## Hydropower Project LSC Evaluation Form

အသံအမှတ်	၁၃၅၂/၁၃၆၂
အသံအမှတ်အမှတ်အမှတ်အမှတ်	၁၃၅၂/၁၃၆၂
အသံအမှတ်အမှတ်အမှတ်အမှတ်	၁၃၅၂/၁၃၆၂
အသံအမှတ်အမှတ်အမှတ်အမှတ်	၁၃၅၂/၁၃၆၂
အသံအမှတ်အမှတ်အမှတ်အမှတ်	၁၃၅၂/၁၃၆၂

ព័ត៌មានបញ្ចូលក្នុងក្របខណ្ឌសម្រាប់ការប្រើប្រាស់

<b>1. ឯកសារស្នើសុំ បានជូនដំណឹងថា</b> ឈ្មោះ: ហ៊ុន សែន ថ្ងៃខែឆ្នាំកំណើត: ២៩/១២/១៩៦៣ ឈ្មោះ: ហ៊ុន សែន លេខស្នើសុំ: ០១០		
គោលបំណងស្នើសុំ: <input type="checkbox"/> បញ្ជាក់សិទ្ធិកាន់កាប់ <input type="checkbox"/> បញ្ជាក់សិទ្ធិប្រើប្រាស់ <input type="checkbox"/> បញ្ជាក់សិទ្ធិប្រកបរបរ <input type="checkbox"/> បញ្ជាក់សិទ្ធិប្រកបរបរផ្សេងៗ		
ប្រភេទស្នើសុំ: <input type="checkbox"/> ស្នើសុំបញ្ជាក់សិទ្ធិកាន់កាប់ <input type="checkbox"/> ស្នើសុំបញ្ជាក់សិទ្ធិប្រើប្រាស់ <input type="checkbox"/> ស្នើសុំបញ្ជាក់សិទ្ធិប្រកបរបរ <input type="checkbox"/> ស្នើសុំបញ្ជាក់សិទ្ធិប្រកបរបរផ្សេងៗ		
<b>2. ឯកសារស្នើសុំ បានជូនដំណឹងថា</b> <b>ឯកសារស្នើសុំ បានជូនដំណឹងថា</b>		
<b>1. តើ ឯកសារស្នើសុំ បានជូនដំណឹងថា ឯកសារស្នើសុំ បានជូនដំណឹងថា ឯកសារស្នើសុំ បានជូនដំណឹងថា</b> <input type="checkbox"/> បាទ <input type="checkbox"/> ទេ <input type="checkbox"/> ទេ <input type="checkbox"/> ទេ		
<b>2. តើ ឯកសារស្នើសុំ បានជូនដំណឹងថា ឯកសារស្នើសុំ បានជូនដំណឹងថា ឯកសារស្នើសុំ បានជូនដំណឹងថា</b> <input type="checkbox"/> បាទ <input type="checkbox"/> ទេ <input type="checkbox"/> ទេ <input type="checkbox"/> ទេ		
<b>3. តើ ឯកសារស្នើសុំ បានជូនដំណឹងថា ឯកសារស្នើសុំ បានជូនដំណឹងថា ឯកសារស្នើសុំ បានជូនដំណឹងថា</b> <input type="checkbox"/> បាទ <input type="checkbox"/> ទេ <input type="checkbox"/> ទេ <input type="checkbox"/> ទេ		
<b>4. តើ ឯកសារស្នើសុំ បានជូនដំណឹងថា ឯកសារស្នើសុំ បានជូនដំណឹងថា ឯកសារស្នើសុំ បានជូនដំណឹងថា</b> <input type="checkbox"/> បាទ <input type="checkbox"/> ទេ <input type="checkbox"/> ទេ <input type="checkbox"/> ទេ		

[illegible][illegible][illegible]

#### iv. Revisit sustainability assessment

Are you going to revisit the sustainable development assessment?	<b>Yes</b>	<b>No</b>
Please note that this is necessary when there are indicators scored 'negative' or if there are stakeholder comments that can't be mitigated	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>[See Toolkit 2.7]</b>		

Give reasoning behind the decision
The overall feedback to the project was positive; therefore no need is seen in revisiting the sustainable assessment.

#### v. Summary of alterations based on comments

From the stakeholder consultation process, there were no comments including environmental, social and economic concerns which caused a change to the project design. Other issues as mentioned above are almost covered in the basic design. Hence, the project will be implemented as per the original plan.
---

### SECTION D. SUSTAINABLE DEVELOPMENT ASSESSMENT

#### D. 1. Own sustainable development assessment

##### i. 'Do no harm' assessment

Safeguarding principles	Description of relevance to my project	Assessment of my project risks breaching it (low/medium/high)	Mitigation measure
<b>Human Rights</b>			
1. The project respects internationally proclaimed human rights including dignity, cultural property and uniqueness of	The project respects internationally proclaimed human rights, including personal and political freedom, economic, social and culture freedoms, etc. and none of the	Low	No mitigation measure is required for this indicator. Project will be implemented in compliance with

indigenous people. The project is not complicit in Human Rights abuses.	project participate is arms producer /distributor or land mines producer/ distributor. Lao PDR (host country) has ratified two core UN human rights treaties, including the UN International Covenant on Civil and Political Rights (ICCPR) and the International Covenant on Economic, Social and Cultural Rights (ICESCR) <sup>3</sup> . The project will have no negative impact on the lifestyles of local and indigenous people. The people in the surrounding area will benefit from the electricity they will get from the new hydropower station. The electricity for the neighbors is distributed by a local grid and is part of the internal electricity use.		regulations.
2. The project does not involve and is not complicit in involuntary resettlement.	The project does not involve and is not complicit involuntary resettlement. As expected in the Initial Environment Examination (IEE) report by the designer during the preparation stage, the project is far away from villages, and there is no village impacted by the project. Also, there is no any private land affected or expropriation due to the implementation of the project.	Low	No mitigation measure is required for this indicator
3. The project does not involve and is not complicit in the alteration, damage or removal of any critical cultural heritage.	The Project does not involve and is not complicity in the alteration, damage or removal of any critical cultural heritage. There is no protected area, national park or archaeological site within the project boundaries.	Low	No mitigation measure is required for this indicator
<b>Labour Standards</b>			
4. The project respects the employees'	The project activity does not interfere with legal rights	Low	No mitigation measure is required for this indicator

<sup>3</sup> <http://www1.umn.edu/humanrts/research/ratification-laos.html>

<sup>4</sup> [http://www.na.gov.la/docs/eng/laws/soc\\_cult/Labour%20%282006%29%20Eng.pdf](http://www.na.gov.la/docs/eng/laws/soc_cult/Labour%20%282006%29%20Eng.pdf)

freedom of association and their right to collective bargaining and is not complicit in restrictions of these freedoms and rights.	regarding employees' freedom of association or their right to collective bargaining. The project fully respects the employee's freedom and rights and all related laws endorsed by Lao government. Ref: Labour Law <sup>4</sup> , Article 5		
5. The Project does not involve and is not complicit in any form of forced or compulsory labour.	All employees are engaged in the project implementation on a voluntary basis. The project fully respects the employee's rights in accordance with all labour related laws. The host country has ratified a total of eight ILO Conventions, including five of the eight ILO core Conventions <sup>5</sup> (covering forced labour, equal, discrimination and child labour). Ref: Labour Law, Article 3	Low	No mitigation measure is required for this indicator
6. The project does not employ and is not complicit in any form of child labour.	The project does not involve the employment and complicit of child labour. The Host country has its own credible legislation in place prohibiting child labour. The proposed project requires a limited number of skilled employees to operate, maintain and manage the plant. Therefore, it does not employ and is not complicit in any form of child labour. Ref: Labour Law, Article 41	Low	No mitigation measure is required for this indicator
7. The project does not involve and is not complicit in any form of discrimination based on gender, race, religion, sexual orientation or any other basis.	In Laos PDR(host country), labour legislation forbid any form of discriminate based on gender, race, religion, sexual orientation or on any other basis. According to the interview with the project owner, there is strong solidarity existing among people from different minority groups in the project site. Ref: Labour Law, Chapter 5&Chapter 7	Low	No mitigation measure is required for this indicator

<sup>5</sup> <http://www.ilo.org/asia/countries/lao-peoples-democratic-republic/lang--en/index.htm>



<p>8. The project provides workers with a safe and healthy work environment and is not complicit in exposing workers to unsafe or unhealthy work environments.</p>	<p>The construction of the project requires intensive labour for construction and machinery operation. Workers may be exposed to risk on the construction, e.g. occupational hazard and accidents. A hydro project in general does not expose workers to unsafe or unhealthy work environments in terms of toxins or chemicals.</p>	<p>Medium</p>	<p>The workers are trained in respect to construction safety. The project owners will provide safe and healthy environment in line with the labour law. Ref: Labour Law, Chapter 6</p>
<p><b>Environmental Protection</b></p>			
<p>9. The project takes a precautionary approach in regard to environmental challenges and is not complicit in practices contrary to the precautionary principle.</p>	<p>The project activity is only a hydropower project which not includes any planting, agriculture or similar activities. The project activity does not threaten human health or the environment. The project will be constructed and operated in an environmental friendly way. All the release (i.e. waste water, solid waste, excavation waste) and hazard waste (i.e. waste oil) will be handled according to the national legislation. Adequate hearing protection will be provided during the blasting time.</p>	<p>Low</p>	<p>The project will implemented according to national regulations including “Environmental Protection Law”, “National Policy on Environmental and Social Sustainability of the Hydropower Sector in Lao PDR”.</p> <p>Precautionary principles have been taken to avoid negative impacts to the local environment prior to the project starting to operation.</p> <p>In order to minimize impact on environment, mitigation measures will be issued which includes;</p> <ul style="list-style-type: none"> <li>-Releasing minimal flow to ensure the biodiversity in the downstream of the river;</li> <li>-Proper disposal of wastes; Solid waste(such as excavation waste) can be collected regularly and transported to the site waste management facility for segregation prior to reuse or to sending off-site for recycling;</li> <li>- Restricted working hour in construction area and times for ground blasting;</li> <li>- Provide adequate hearing</li> </ul>

			<p>protection to Construction workers when noise levels of 70-80 dB or above due to the blasting;</p> <p>- Buffer zones of vegetation shall be left along stream banks to maintain riparian habitats and prevent sedimentation;</p> <p>-Rehabilitation of land after construction works are completed including tree planting and topsoil restoration.</p>
10. The project does not involve and is not complicit in significant conversion or degradation of critical natural habitats, including those that are (a) legally protected, (b) Officially proposed for protection, (c) Identified by authoritative sources for their high conservation value, or (d) Recognized as protected by traditional local communities.	The project does not involve and is not complicit in significant conversion or degradation of critical natural habitats. The project is located in an isolated area and there are no critical natural habitats located at or close to the project site. As a hydropower project, the project will not lead to invasive species introduction or activity displacement.	Low	Company will comply with all national regulations.
<b>Anti-Corruption</b>			
<b>11. The project does not involve and is not complicit in corruption.</b>	<p>Lao PDR has published relevant law<sup>6</sup> to against corruption. Furthermore, Lao PDR ratified the UN Convention against Corruption<sup>7</sup> on Sep. 25, 2009, Lao PDR will have the right to ask for assistance from other member countries in investigating and dealing with corruption cases with foreign elements.</p> <p>The project is a private-owned, the project owner does not</p>	Low	No mitigation measure is required for this indicator.

<sup>6</sup> [http://www.na.gov.la/docs/eng/laws/pub\\_adm/Penal%20%282005%29%20Eng.pdf](http://www.na.gov.la/docs/eng/laws/pub_adm/Penal%20%282005%29%20Eng.pdf)

<sup>7</sup> <http://www.unlao.org/Blog/post/Lao-PDR-joins-international-fight-against-corruption.aspx>

	condone or support corruption. Ref: Penal Law, Article 157		
<b>Additional relevant critical issues for my project type</b>	<b>Description of relevance to my project</b>	<b>Assessment of relevance to my project (low/medium/high)</b>	<b>Mitigation measure</b>
1			
2			
Etc.			

## ii. Sustainable development matrix

Indicator	Mitigation measure	Relevance to achieving MDG	Chosen parameter and explanation	Preliminary score
<b>Gold Standard indicators of sustainable development.</b>	If relevant copy mitigation measure from "do no harm" – table, or include mitigation measure used to neutralise a score of ‘-’	Check <a href="http://www.undp.or/mdg">www.undp.or/mdg</a> and <a href="http://www.mdgmonitor.org">www.mdgmonitor.org</a>  Describe how your indicator is related to local MDG goals	Defined by project developer	Negative impact: score ‘-’ in case negative impact is not fully mitigated score 0 in case impact is planned to be fully mitigated No change in impact: score 0 Positive impact: score ‘+’
Air quality	Dust due to project construction and emission due to construction equipment according to the IEE report. The mitigation methods for dust suppression has been employed, including -Topsoil removal land cleaning and rehabilitation will be undertaken progressively -Spraying water on the roads, spoil sumps, topsoil stockpiles and disturbed areas	Related to MDG Goal 7: Ensure environmental sustainability  Target 7.a Integrate the principles of sustainable development into country policies and programmes and reverse the loss of environmental resources	<b>Parameter:</b> air quality indicators  Dust emission occurs due to the excavation process, however the emission can be mitigated using appropriate measures. On the other hand, the project will reduce SOx, NOx emissions due to combustion of fossil fuel for electricity generation in the baseline scenario.  Thus, this sustainable indicator scores a “0”.	0

	<ul style="list-style-type: none"> <li>-Combustion engines be inspected and adjusted to minimize the air pollution</li> <li>- Workers wearing masks to prevent respiration discomfort and the dust screens are applied</li> </ul>			
Water quality and quantity	<p>During the construction and operation, the following measures will be taken to minimize impacts on water quality:</p> <ul style="list-style-type: none"> <li>-Introduce sanitation facility to treat the human waste</li> <li>- Collected dirty water from disturbed land and treat before release to the environment</li> <li>-Store the hydrocarbons(e.g. fuel and lubricants) and chemical reagents in safe place away from any water courses, the container of reagents and drums of used oil or grease are stored under cover at all times.</li> </ul> <p>The project is a run-of - river project, so it will discharge all of the water that is used for electricity generation. Conservation of locally adapted species and ecosystems are done via ensuring minimum water flow.</p> <p>As the IEE assessed, the project is a run of river type hydro project and has no reservoir to store water and regulate river runoff, thus the impact on the groundwater level is so minor that could be ignored. As</p>	<p>Related to MDG Goal 7: Ensure environmental sustainability</p> <p>Target 7.b Reduce biodiversity loss.</p>	<p><b>Parameter:</b> Flow rate of water released &amp; The water quality indicators</p> <p>During the project construction period, washing wastewater and wastewater with oil from machinery were produced. During the project operation period, domestic wastewater and sanitary wastewater is generated. The project owner applies treatment to discharged wastewater to make sure it is complied with the local regulation.</p> <p>Quantity of water released will be monitored to ensure the minimum flow by environment monitoring department is achieved.</p> <p>Thus, this indicator therefore scores "0".</p>	0

	<p>well due to ecological flow, the vegetation and the associated biodiversity near streams will not be affected according to the assessment in the IEE.</p> <p>Thus, it does not change water balance and the level of the underground water is not affected.</p>			
Soil condition	<p>The construction may bring some impacts due to land clearing. The topsoil is exposed to the outside environment and may be removed by rain or wind. In order to mitigate such negative impacts, in general two measures are implemented. The first measure is for the immediate control, which is terracing. After construction is completed, the area will be replanted for long-term benefits. The excavated area at the intake weir and powerhouse will be protected by planting trees and grass to control erosion. Soil removed during the construction process will be stockpiled separately and would be reused later on. The local government will be responsible for monitoring of the implementation.</p>	Related to MDG Goal 7: Ensure environmental sustainability	<p><b>Parameter:</b> Replantation</p> <p>Proper measures have been adopted to prevent negative impact on soil condition due to the project.</p> <p>The projects have to recover the plantation, which is affect during the construction period. The condition of the replantation will be monitored.</p> <p>Given the appropriate mitigation measures, this indicator scores "0".</p>	0
Other pollutants	<p>To reduce/avoid the noise impacts, following measures will be taken:</p> <ul style="list-style-type: none"> <li>-The drilling machines should be equipped with noise control devises</li> </ul>	Related to MDG Goal 7: Ensure environmental sustainability	<p><b>Parameter:</b> Level of noise</p> <p>As the main construction sites are not adjacent to the</p>	0



	<p>such as mufflers.</p> <p>-Construction workers exposed to noise levels of 80 dB or more should be provided with adequate hearing protection.</p> <p>-Restrict working hours, Making no operation of noisy machinery during the rest time of local residents</p>		<p>local communities, the impact of noise is limited. And the project site is far away from the village and mitigation measures implemented during construction work.</p> <p>This indicator scores "0".</p>	
Biodiversity	<p>Conservation of locally adapted species and ecosystems are done via ensuring minimum flow and recovery of vegetation after construction.</p> <p>According to the IEE, there is no migration fish was observed. Also since the project is run of river type hydro with no reservoir blocking water flow while minimum water flow is maintained, no impacts will be expected on fishes.</p> <p>The project has no reservoir to store water and regulate river runoff, thus the impact on the groundwater level is so minor that could be ignored.</p>	Related to MDG Goal 7: Ensure environmental sustainability	<p><b>Parameter:</b> Recovery of the vegetation</p> <p>The project owner will recovery the vegetation after construction. There is no endangered species in the project on-site.</p> <p>Thus, given the appropriate mitigation measures, this indicator scores "0".</p>	0
Quality of employment	-	<p>MDG Target 1.A: Halve, between 1990 and 2015, the proportion of people whose income is less than one dollar a day.</p> <p>MDG Target 1.B: Achieve full and productive employment and</p>	<p><b>Parameter:</b> Training plan</p> <p>Staffs to be employed for the project are most local people having poor education background.</p> <p>Compared to the baseline scenario, trainings provided by the project owner will</p>	+

		decent work for all, including women and young people	improve the employees' qualifications which might help them to find job more easily in future. Staff will be trained for the positions created during construction & operation phases. All Health and Safety measurements will be applied according to local regulations. The project will provide long-term jobs.  Thus, this sustainable indicator scores a "+".	
Livelihood of the poor	-	MDG Target 1.A: Halve, between 1990 and 2015, the proportion of people whose income is less than one dollar a day.  MDG Target 1.B: Achieve full and productive employment and decent work for all, including women and young people	<b>Parameter:</b> Number of the installed pumps on-site  Water supply program is prepared for the local people to improve their water supply system.  Thus, this sustainable indicator scores a "+".	+
Access to affordable and clean energy services	-	Target 8.B and 8.c Address the special needs of the least developed countries, landlocked developing countries and small island developing States	<b>Parameter:</b> the net electricity generated to the local grid  Before the construction of the project, the local residents adopt firewood as the main energy source. The construction of the project will change the energy use and promote local electrification. The construction of the project will improve	+

			<p>local electricity transmission system, promote the electrification progress. The project increases the renewable energy.</p> <p>Thus, this sustainable indicator scores a “+”.</p>	
Human and institutional capacity	-	-	<p>The project enables of local female, as there is no gender barrier for employment of the project.</p> <p>Stakeholder comments are collected during the GS-CDM project development through a series of ground survey, village profile and household survey with the use of questionnaires and interviews.</p> <p>Through the stakeholder meeting, local residents participated in the decision-making of the project design. There is no significant impact on this indicator resulting from the project development.</p> <p>Thus this indicator scores “0”.</p>	0
Quantitative employment and income generation	-	<p>MDG Target 1.A: Halve, between 1990 and 2015, the proportion of people whose income is less than one dollar a day.</p> <p>MDG Target 1.B: Achieve full and</p>	<p><b>Parameter:</b> Number of jobs created</p> <p>During the construction period, plenty of job opportunities were provided to local residents, and the</p>	+

		productive employment and decent work for all, including women and young people	<p>newcomers surged in the area will bring local people especially the poor and disadvantaged groups lots of employment chances.</p> <p>As a result the employment rate and income level have increased. And the average salary for the project employee is higher than the local level.</p> <p>So this indicator scores “+”.</p>	
Balance of payments and investment	The construction of the project will lead domestic investment to the project site area, where the most under developed area in a least developed country.	Target 8.B and 8.c Address the special needs of the least developed countries, landlocked developing countries and small island developing States	<p>The construction of the project will lead millions of investment to the local area. The power generated by the project activity will displace electricity supplied by the grid. Given the fact that coal resources are abundant, the renewable energy generation by the project will have a substantial impact on the balance of payments. Hence, compared with the baseline scenario there is no significant difference in terms of the balance of payments.</p> <p>Thus this indicator scores “0”.</p>	0
Technology transfer and technological self-reliance	-	Target 8.F In cooperation with the private sector, make available the benefits of new	The turbine and generator of the project will adopt the mature technology from a foreign manufacturer, which	0

		technologies, especially information and communications	has been well experience. The foreign engineers will transfer the technology on turbine and generator to local staffs on the equipment's installation and operation. And relevant training will be offered. While there is no significant impact on this indicator resulting from the project development.  Thus, this sustainable indicator scores a "0".	
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Comments accompanying own sustainable development matrix

## D. 2. Stakeholders Blind sustainable development matrix

Indicator	Mitigation measure	Relevance to achieving MDG	Chosen parameter and explanation	Preliminary score
Gold Standard indicators of sustainable development	If relevant, copy mitigation measure from 'Do No Harm' assessment, and include mitigation measure used to neutralise a score of '-'	Check <a href="http://www.undp.org/mdg">www.undp.org/mdg</a> and <a href="http://www.mdgmonitor.org">www.mdgmonitor.org</a>  Describe how your indicator is related to local MDG goals	Defined by project developer	<u>Negative impact:</u> score '-' in case negative impact is not fully mitigated, score '0' in case impact is planned to be fully mitigated  <u>No change in impact:</u> score '0'



				<u>Positive impact:</u> score '+'
Air quality		<p>Related to MDG Goal 7: Ensure environmental sustainability</p> <p>Target 7.a Integrate the principles of sustainable development into country policies and programmes and reverse the loss of environmental resources</p>	<p><b>Air quality indicators</b> All stakeholders agree that this is a clean project without emission.</p>	0
Water quality and quantity		<p>Related to MDG Goal 7: Ensure environmental sustainability</p> <p>Target 7.b Reduce biodiversity loss.</p>	<p><b>Flow rate of water released &amp; The water quality indicators</b> The hydropower stations do not alter the water that runs through them.</p>	0
Soil condition		<p>Related to MDG Goal 7: Ensure environmental sustainability</p>	<p>As the project dose not have reservoir, Hence, all the stakeholders consider that the project negligibly affects the soil quality</p>	0
Other pollutants		<p>Related to MDG Goal 7: Ensure environmental sustainability</p>	<p>All the stakeholders consider that there is no other pollutant from this project.</p>	0
Biodiversity		<p>Related to MDG Goal 7: Ensure environmental sustainability</p>	<p>Due to the project is a run-of-river hydro project without the reservoir, all the water used for the</p>	0

			power generation will be discharged. Impacts on flora and fauna are negligible.	
Quality of employment		<p>MDG Target 1.A: Halve, between 1990 and 2015, the proportion of people whose income is less than one dollar a day.</p> <p>MDG Target 1.B: Achieve full and productive employment and decent work for all, including women and young people</p>	<p>Most participants believed that the project would improve the quality of the employment in the area. Therefore, score positive is conservatively given.</p>	+
Livelihood of the poor		<p>MDG Target 1.A: Halve, between 1990 and 2015, the proportion of people whose income is less than one dollar a day.</p> <p>MDG Target 1.B: Achieve full and productive employment and decent work for all, including women and young people</p>	<p>After discussion, the stakeholders realize this new project can bring more tax to the government and increase local spending, thus it may have indirect positive impacts on the livelihood of the poor. And the job opportunities will be provided to the local residents, which will bring local people especially the poor the employment chances. Thus they score it positive.</p>	+
Access to affordable and clean energy services		<p>Target 8.B and 8.c Address the special needs of the least developed countries, landlocked developing countries and small</p>	<p>The stakeholders are aware that the project consumes no fossil fuel and produces clean energy with water source, however,</p>	+

		island developing States	since they sell electricity directly to the Grid to replace power generated by fossil-fuel plants. Thus they score it positive.	
Human and institutional capacity		-	After discussion, the stakeholders consider working at the plant requires professional skills, hence, they score this indicator positive.	+
Quantitative employment and income generation		MDG Target 1.A: Halve, between 1990 and 2015, the proportion of people whose income is less than one dollar a day.  MDG Target 1.B: Achieve full and productive employment and decent work for all, including women and young people	In stakeholders' opinion, since more job opportunities are created, more income is expected. Thus they score this indicator positive.	+
Balance of payments and investment		Target 8.B and 8.c Address the special needs of the least developed countries, landlocked developing countries and small island developing States	After discussion, the project participants agree no impacts are expected on balance of payments and investment.	0
Technology transfer and technological self-reliance		Target 8.F In cooperation with the private sector, make available the benefits of new technologies,	After discussion, project participants realize no technology transfer happened for this project.	0

		especially information and communications		
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Comments resulting from the stakeholders blind sustainable development matrix

Give analysis of difference between own sustainable development matrix and the one resulting from the blind exercise with stakeholders. Explain how both were consolidated.

The blind exercise was completed by the stakeholders. During the stakeholder consultation meeting, questionnaires with all the SD indicators requested by GS were distributed, all the meaning for the indicators were explained to the participants, During the meeting, the score presented in the LSC was based on result of questionnaires return by the stakeholders.

PO's own sustainable development table was filled in together with the "do no harm" assessment and indicators assessment before the meeting.

Way of consolidation:

Due to the fact that both tables are scored in the same way, the consolidated table uses the identical scores plus the explanations from the 'own sustainable development matrix', as these explanations are more detailed.

### D. 3. Consolidated sustainable development matrix

Indicator	Mitigation measure	Relevance to achieving MDG	Chosen parameter and explanation	Preliminary score
Gold Standard indicators of sustainable development.	If relevant copy mitigation measure from "do no harm" – table, or include mitigation measure used to neutralise a score of '–'	Check <a href="http://www.undp.or/mdg">www.undp.or/mdg</a> and <a href="http://www.mdgmonit.or.org">www.mdgmonit.or.org</a>  Describe how your indicator is related to local MDG goals	Defined by project developer	Negative impact: score '–' in case negative impact is not fully mitigated score 0 in case impact is planned to be fully mitigated No change in impact: score 0

				Positive impact: score '+'
Air quality	<p>Dust due to project construction and emission due to construction equipment according to the IEE report. The mitigation methods for dust suppression has been employed, including</p> <ul style="list-style-type: none"> <li>-Topsoil removal land cleaning and rehabilitation will be undertaken progressively</li> <li>-Spraying water on the roads, spoil sumps, topsoil stockpiles and disturbed areas</li> <li>-Combustion engines be inspected and adjusted to minimize the air pollution</li> <li>- Workers wearing masks to prevent respiration discomfort and the dust screens are applied</li> </ul>	<p>Related to MDG Goal 7: Ensure environmental sustainability</p> <p>Target 7.a Integrate the principles of sustainable development into country policies and programmes and reverse the loss of environmental resources</p>	<p><b>Parameter:</b> air quality indicators</p> <p>Dust emission occurs due to the excavation process, however the emission can be mitigated using appropriate measures. On the other hand, the project will reduce SOx, NOx emissions due to combustion of fossil fuel for electricity generation in the baseline scenario.</p> <p>Thus, this sustainable indicator scores a "0".</p>	0
Water quality and quantity	<p>During the construction and operation, the following measures will be taken to minimize impacts on water quality:</p> <ul style="list-style-type: none"> <li>-Introduce sanitation facility to treat the human waste</li> <li>- Collected dirty water from disturbed land and</li> </ul>	<p>Related to MDG Goal 7: Ensure environmental sustainability</p> <p>Target 7.b Reduce biodiversity loss.</p>	<p><b>Parameter:</b> Flow rate of water released &amp; The water quality indicators</p> <p>During the project construction period, washing wastewater and wastewater with oil from machinery were produced. During the project</p>	0



	<p>treat before release to the environment</p> <p>-Store the hydrocarbons(e.g. fuel and lubricants) and chemical reagents in safe place away from any water courses, the container of reagents and drums of used oil or grease are stored under cover at all times.</p> <p>The project is a run-of-river project, so it will discharge all of the water that is used for generate the electricity. Conservation of locally adapted species and ecosystems are done via ensuring minimum flow. Thus, it does not change in water balance and the level of the underground water is not affected.</p>		<p>operation period, domestic wastewater and sanitary wastewater is generated. The project owner applies treatment and reporting the discharged wastewater to make sure it is complied with the relevant regulation. Although pollutant is produced, appropriate mitigation measures are in place. Quantity of water released will be monitored to ensure the minimum flow by environment monitoring department is achieved.</p> <p>Thus, this indicator therefore scores "0".</p>	
Soil condition	<p>The impacts of soil erosion due to construction would not be significant with adequate mitigation measures.</p> <p>To prevent soil erosion, fast-growing trees and grass will be planted in the non-plant slopes. The first measure is for the immediate control, which is terracing. After construction is completed, the area will be replanted for</p>	Related to MDG Goal 7: Ensure environmental sustainability	<p><b>Parameter:</b> Replantation</p> <p>Proper measures have been adopted to prevent negative impact on soil condition due to the project.</p> <p>The projects have to recover the plantation, which is affect during the construction period. The condition of the replantation will be monitored.</p>	0

	<p>long-term benefits. The excavated area at the intake weir and powerhouse will be protected by planting trees and grass to control erosion. Soil removed during the construction process will be stockpiled separately and would be reused later on. Drain system will be established in the quarry area and slag yard will be covered during rainy season. The local government will be responsible for monitoring of the implementation. Thus, the construction of the project will not lead to observable change in soil quality.</p>		<p>Given the appropriate mitigation measures, this indicator scores "0".</p>	
Other pollutants	<p>To reduce/avoid the noise impacts, following measures will be taken:</p> <ul style="list-style-type: none"> <li>-The drilling machines should be equipped with noise control devices such as mufflers.</li> <li>-Construction workers exposed to noise levels of 80 dB or more should be provided with adequate hearing protection.</li> <li>-Restrict working hours, Making no operation of noisy machinery during the rest time of local</li> </ul>	Related to MDG Goal 7: Ensure environmental sustainability	<p><b>Parameter:</b> Level of noise</p> <p>As the main construction sites are not adjacent to the local communities, the impact of noise is limited. And the project site is far away from the village and mitigation measures implemented during construction work.</p> <p>This indicator scores "0".</p>	0

	residents			
Biodiversity	<p>Conservation of locally adapted species and ecosystems are done via ensuring minimum flow and recovery of vegetation after construction.</p> <p><b>The dissolved oxygen level and water depth is enough for the fish to swim.</b> According to the IEE, there is no migration fish was observed. Also since the project is run of river type hydro with no reservoir blocking water flow while minimum water flow is maintained, no impacts will be expected on fishes. The underground water is not affected. The underground water is not affected.</p>	Related to MDG Goal 7: Ensure environmental sustainability	<p><b>Parameter:</b> Recovery of the vegetation</p> <p>The project owner will recovery the vegetation after construction. There is no endangered species in the project on-site.</p> <p>Thus, given the appropriate mitigation measures, this indicator scores "0".</p>	0
Quality of employment	-	<p>MDG Target 1.A: Halve, between 1990 and 2015, the proportion of people whose income is less than one dollar a day.</p> <p>MDG Target 1.B: Achieve full and productive employment and decent work for all, including women and</p>	<p><b>Parameter:</b> Training plan</p> <p>Staffs to be employed for the project are most local people having poor education background.</p> <p>Compared to the baseline scenario, trainings provided by the project owner will improve the employees' qualifications which might help them to find job more easily in future. Staff will</p>	+

		young people	<p>be trained for the positions created during construction &amp; operation phases. All Health and Safety measurements will be applied according to local regulations. The project will provide long-term jobs.</p> <p>Thus, this sustainable indicator scores a “+”.</p>	
Livelihood of the poor	-	<p>MDG Target 1.A: Halve, between 1990 and 2015, the proportion of people whose income is less than one dollar a day.</p> <p>MDG Target 1.B: Achieve full and productive employment and decent work for all, including women and young people</p>	<p><b>Parameter:</b> Number of the installed pumps on-site</p> <p>Water supply program was prepared for the local people to improve their water supply system.</p> <p>And the job opportunities will be provided to the local residents, which will bring local people especially the poor lots of employment chances.</p> <p>Thus, this sustainable indicator scores a “+”.</p>	+
Access to affordable and clean energy services	-	<p>Target 8.B and 8.c Address the special needs of the least developed countries, landlocked developing countries and small island developing States</p>	<p><b>Parameter:</b> the net electricity generated to the local grid</p> <p>Before the construction of the project, the local residents adopt firewood as the main energy source. The construction of the project will change</p>	+

			<p>the energy use and promote local electrification. The construction of the project will improve local electricity transmission system, promote the electrification progress. The project increases the renewable energy.</p> <p>Thus, this sustainable indicator scores a “+”.</p>	
Human and institutional capacity	-	-	<p>The project enables of local female, as there is no gender barrier for employment of the project.</p> <p>Stakeholder comments are collected during the GS-CDM project development through a series of ground survey, village profile and household survey with the use of questionnaires and interviews.</p> <p>Through the stakeholder meeting, local residents participated in the decision-making of the project design. There is no significant impact on this indicator resulting from the project development.</p> <p>Thus this indicator scores “0”.</p>	0



Quantitative employment and income generation	-	<p>MDG Target 1.A: Halve, between 1990 and 2015, the proportion of people whose income is less than one dollar a day.</p> <p>MDG Target 1.B: Achieve full and productive employment and decent work for all, including women and young people</p>	<p><b>Parameter:</b> Number of jobs created</p> <p>During the construction period, plenty of job opportunities were provided to local residents, and the newcomers surged in the area will bring local people especially the poor and disadvantaged groups lots of employment chances.</p> <p>As a result the employment rate and income level have increased. And the average salary for the project employee is higher than the local level.</p> <p>So this indicator scores “+”.</p>	+
Balance of payments and investment		<p>Target 8.B and 8.c</p> <p>Address the special needs of the least developed countries, landlocked developing countries and small island developing States</p>	<p>The construction of the project will lead millions of investment to the local area. The power generated by the project activity will displace electricity supplied by the grid. Given the fact that coal resources are abundant, the renewable energy generation by the project will have a substantial impact on the balance of payments. Hence, compared with the baseline scenario</p>	0

			there is no significant difference in terms of the balance of payments.  Thus this indicator scores "0".	
Technology transfer and technological self-reliance	-	Target 8.F In cooperation with the private sector, make available the benefits of new technologies, especially information and communications	The turbine and generator of the project will adopt the mature technology from foreign manufacturer, which has been well practised in many Southeast Asia counties. The foreign engineers will transfer the technology on turbine and generator to local staffs on the equipment's installation and operation. After discussion, project participants realize no technology transfer happened for this project since Laos still cannot manufacture its own hydro equipments.  Thus, this sustainable indicator scores a "0".	0
<b>Justification choices, data source and provision of references</b>				
Air quality	In the IEE Report, it states that mitigation measures are applied to control the expected dust emission.			
Water quality and quantity	In the IEE Report, it states that all the wastewater in project activities is treated before discharging to the river.			
Soil condition	In the IEE Report, it states that project does not significantly impacts on the soil condition. Mitigation measures are applied to project short term soil degradation: rehabilitation of vegetation in the affected places is conducted right after the completion of the construction work.			

Other pollutants	There is not any disturbing noise at residential areas because of the project location is far from local village.
Biodiversity	The ecosystem surround the project area is not endangered, the impacts deriving from the project activity is not significant on the biodiversity.
Quality of employment	Source: Training documents provided by project owner
Livelihood of the poor	Source: Materials provided by the project owner
Access to affordable and clean energy services	The project may diversify the grid to toward more green level. However, given the amount of electricity produced by the project, it still plays small part in the local grid.
Human and institutional capacity	Source: IEE and the on-site stakeholder materials
Quantitative employment and income generation	The project provides job opportunities to the local people and increase income generation in the region. Source: FSR
Balance of payments and investment	Source: Concession Agreement provided by Project owner
Technology transfer and technological self-reliance	Source: Contract Agreement

References can be an academic or non-academic source, such as a university research document, a feasibility study report, EIA, relevant website, etc.

## **SECTION E. SUSTAINABILITY MONITORING PLAN**

### **E. 1. Discussion on Sustainability monitoring Plan**

Discuss stakeholders' ideas on monitoring sustainable development indicators. Do people have ideas on how this could be done in a cost effective way? Are there ways in which stakeholders can participate in monitoring?

Through discussion between the project proponents and the stakeholders, the following parameters were suggested as part of the sustainability monitoring plan:

- **Air quality:** In order to mitigate air pollution caused by dust, the project will take all necessary measures such as spraying water on-site and covering material trucks to avoid dust, utilizing modern means for the construction.
- **Water quality and quantity:** On-site treatment of construction wastewater prior to discharge. The minimum flow will be released to maintain the eco-system and meet demand for irrigation in the downstream.
- **Soil condition:** When the project is commissioned, the project proponents commit to conduct plantation around the project site to reduce erosion, and condition the air at the plant.

- Other pollution: To prevent noise impact, the drilling machines should be equipped with noise control devices such as mufflers. Construction workers exposed to noise levels of 80 dB or more should be provided with adequate hearing protection.
- Quality of employment: For the purpose of the project implementation and operation, a certain number of operating workers shall be trained by a competent agency on different issues.
- Livelihood of the poor: Water supply program was prepared for the local people to improve their water supply system.
- Access to affordable and clean energy services: Power generated from hydraulic energy is a clean source. Therefore positive score is given.
- Quantitative employment and income generation: Written confirmation (coupled with employment contracts) from the project owner can be provided to the DOE to confirm that jobs have been created as a result of the project implementation.

## **E. 2. Discussion on continuous input / grievance mechanism**

Discuss the Continuous input / grievance mechanism expression method and details, as discussed with local stakeholders.

During the consultation meeting, the stakeholders were informed that they are invited for the feedback round, the continuous input methods were discussed, and finally the following methods were determined:

	Method Chosen (include all known details e.g. location of book, phone, number, identity of mediator)	Justification
Continuous Input / Grievance Expression Process Book	Grievance expression book in Villages	Kept by the leader of the villages
Telephone access	+00856-20-28190844	Project manager
Internet/email access	Yaodong.lu@gmail.com	Project manager

*All issues identified during the crediting period through any of the Methods shall have a mitigation measure in place. The identified issue should be discussed in the revised Passport and the corresponding mitigation measure should be added to sustainability monitoring plan*

## **SECTION F. DESCRIPTION OF THE DESIGN OF THE STAKEHOLDER**

## FEEDBACK ROUND

During the consultation meeting, the stakeholders were informed that they are invited for the feedback round. The relevant content will be added after the Stakeholder Feedback Round is completed. And the outcome of the Stakeholder Feedback Round will be summarized in the final version of the GS-passport.



**ANNEX 1. ORIGINAL PARTICIPANTS LIST**

**Participants List of 1<sup>st</sup> Physical Meeting**

ບັນຊີການເຂົ້າຮ່ວມຂອງຫຼາຍພາກສ່ວນກອງປະຊຸມສຳລັບ

Attendance List of Stakeholder Meeting

ວັນທີ (Date): 18-3-2015

ສະຖານທີ່ (Location): ເຂົ້າມາງາມ

	ຊື່ (Name)	ວຽກເຮັດງານທຳ (Job)	ບົດບາດ/ຍິງຊາຍ (Gender)	ບ້ານ (village)	ຕິດຕໍ່ລາຍລະອຽດ (Contact details)
1	ທ່ານ ໂພນ	ນາຍບ້ານ	ຊາຍ	ບ້ານ 2	0204902469
2	ທ່ານ ສິນທິ	ນາຍບ້ານ	ຊາຍ	ບ້ານ	99851140
3	ທ່ານ ສິນທິ	ນາຍບ້ານ	ຊາຍ	ບ້ານ	99420393
4	ທ່ານ ສິນທິ	ນາຍບ້ານ	ຊາຍ	ບ້ານ	
5	ທ່ານ ສິນທິ	ນາຍບ້ານ	ຊາຍ	ບ້ານ	
6	ທ່ານ ສິນທິ	ນາຍບ້ານ	ຊາຍ	ບ້ານ	02296802100
7	ທ່ານ ສິນທິ	ນາຍບ້ານ	ຊາຍ	ບ້ານ	
8	ທ່ານ ສິນທິ	ນາຍບ້ານ	ຊາຍ	ບ້ານ	989535
9	ທ່ານ ສິນທິ	ນາຍບ້ານ	ຊາຍ	ບ້ານ	9677487
10	ທ່ານ ສິນທິ	ນາຍບ້ານ	ຊາຍ	ບ້ານ	
11	ທ່ານ ສິນທິ	ນາຍບ້ານ	ຊາຍ	ບ້ານ	
12	ທ່ານ ສິນທິ	ນາຍບ້ານ	ຊາຍ	ບ້ານ	
13					
14					
15					
16					
17					
18					

## Participants List of 2<sup>nd</sup> Physical Meeting

List Participants Consultation Workshop on Nam Sor in 20 March, 2015 at Donchan Palace Hotel, Vientiane, Lao PDR

No.	Name and Surname	Organization	Position	Phone number	E-mail	Signature
1	Mr. Phovong Luangxaysana	DDMCC, MONRE	Director of DDMCC	020-2221 4122	phouvong@hotmail.com	
2	Mr. Inthaboualy	DDMCC, MONRE	Duputy of Division	020-5562 9734	inthaboualy@gmail.com	
3	Mr. Khamman Sopraseuth	Renewable Energy Institute, MEM	Deputy Director of Division	020-2220 1821	ka_manh@yahoo.com	
4	Mr. Bounthong Keohanam	Department of Urban and Planning, MPWT	Division Director	020-2225 1361	bunthong2001@yahoo.com	
5	Mr. Saisamon Chansanga	Renewable Energy Institute, MOST	Director of Division	020-2222 9426	saysamon@most.go.la	
6	Mr. Davone Thongphan	Faculty of Forestry Sciences, NUOL	Director of Division	020-5561 4921	daovornth@yahoo.com	
7	Mr. Hounphaeng Bouphakham	Department of Forestry resources management, MONRE	Director of Division	020-5549 9979	bph-dfm@hotmail.com	
8	Ms. Phongoun Souvarhnavong	Institute of Public Work and Transport, MPWT	Director of Division	020-2240 6890	phongoun55@yahoo.com	
9	Mr. Saengchan Phaxayyasing	Department of Technology, MOST	Director of Division	020-2221 3171	sengphasay@gmail.com	
10	Mr. Souvathissoutham	Department of policy and Energy plan, MEM	Technical	020-5551 1726	souvathissoutham@gmail.com	
11	Ms. Chansavanh Keovixay	Department of policy and Energy plan, MEM	Technical	020-5569 6556	chansavanh-kva@hotmail.com	
12	Ms. Viengsommath	Department of Transport, MPWT	Technical	020-2286 6686	viengsommath@gmail.com	
13	Mr. Aphavanh Manivanh	Vientiane Urban Development Administration Authority	Technical	020-5560 6947		
14	Mr. Oudomluck Charthavong	Department of quality environment, MONRE	Technical	020-2222 6022	oudomluck@yahoo.com	
15	Ms. Jam Channary	DDMCC, MONRE	Technical	020-7744 9099	JamJam-111@hotmail.com	

**ANNEX 2. ORIGINAL EVALUATION FORMS**

**Hydropower Project LSC Evaluation Form**

ឥឡូវ ប្រធានគម្រោង:	គាត់ ក្រុង ឡាន អ៊ុយ ឌិន
តាមការសិក្សាស្រាវជ្រាវ តើមានបញ្ហាអ្វី?	100%
តាមការសិក្សាស្រាវជ្រាវ តើមានបញ្ហាអ្វី?	ប្រធានគម្រោង គ្មានបញ្ហាអ្វីឡើយ
តាមការសិក្សាស្រាវជ្រាវ តើមានបញ្ហាអ្វី?	គ្មានបញ្ហាអ្វីឡើយ
ឈ្មោះ:	គាត់ ក្រុង

Positive

Positive

Positive

**Hydropower Project LSC Evaluation Form**

ឥឡូវ ប្រធានគម្រោង:	ហ៊ុន ម៉ាណែត ឈីន
តាមការសិក្សាស្រាវជ្រាវ តើមានបញ្ហាអ្វី?	ពិតជាមានបញ្ហាអ្វីឡើយ
តាមការសិក្សាស្រាវជ្រាវ តើមានបញ្ហាអ្វី?	គាត់ ក្រុង ឡាន អ៊ុយ ឌិន
តាមការសិក្សាស្រាវជ្រាវ តើមានបញ្ហាអ្វី?	អ្វីៗ គ្រប់យ៉ាង
ឈ្មោះ:	ហ៊ុន ម៉ាណែត ឈីន

Happy to attend the meeting  
Positive  
Positive

**Hydropower Project LSC Evaluation Form**

ឥឡូវ ប្រធានគម្រោង:	ហ៊ុន ម៉ាណែត ឈីន
តាមការសិក្សាស្រាវជ្រាវ តើមានបញ្ហាអ្វី?	គាត់ ក្រុង ឡាន អ៊ុយ ឌិន
តាមការសិក្សាស្រាវជ្រាវ តើមានបញ្ហាអ្វី?	
តាមការសិក្សាស្រាវជ្រាវ តើមានបញ្ហាអ្វី?	
ឈ្មោះ:	

Positive

**Hydropower Project LSC Evaluation Form**

ឥឡូវ ប្រធានគម្រោង:	គាត់ ក្រុង ឡាន អ៊ុយ ឌិន
តាមការសិក្សាស្រាវជ្រាវ តើមានបញ្ហាអ្វី?	
តាមការសិក្សាស្រាវជ្រាវ តើមានបញ្ហាអ្វី?	គាត់ ក្រុង ឡាន អ៊ុយ ឌិន
តាមការសិក្សាស្រាវជ្រាវ តើមានបញ្ហាអ្វី?	គាត់ ក្រុង ឡាន អ៊ុយ ឌិន
ឈ្មោះ:	គាត់ ក្រុង ឡាន អ៊ុយ ឌិន

Road Construction  
Positive


**Hydropower Project LSC Evaluation Form**

ឥឡូវ ប្រធានគម្រោង:	គាត់ ក្រុង ឡាន អ៊ុយ ឌិន
តាមការសិក្សាស្រាវជ្រាវ តើមានបញ្ហាអ្វី?	
តាមការសិក្សាស្រាវជ្រាវ តើមានបញ្ហាអ្វី?	គាត់ ក្រុង ឡាន អ៊ុយ ឌិន
តាមការសិក្សាស្រាវជ្រាវ តើមានបញ្ហាអ្វី?	
ឈ្មោះ:	គាត់ ក្រុង ឡាន អ៊ុយ ឌិន

Provide Power



### Hydropower Project LSC Evaluation Form

ຊື່ ແລະ ນາມສະກຸນ:	ທ່ານ ພິດຕະພາບ ສິນທິພອນ
ທ່ານມີຄວາມຄິດເຫັນຕໍ່ການກໍ່ຕັ້ງໄຮງຄຸ້ມປະຊຸມນີ້?	ດີ ສູງກວ່າໂລກອື່ນ
ທ່ານມັກສັບຊ້ອນແຕ່ງກັບໂຄງການນີ້?	
ທ່ານບໍ່ມັກສັບຊ້ອນແຕ່ງກັບໂຄງການນີ້?	
ລາຍເຊັນ:	

Support the Project

### Hydropower Project LSC Evaluation Form

ຊື່ ແລະ ນາມສະກຸນ:	ທ່ານ ພິດຕະພາບ ສິນທິພອນ
ທ່ານມີຄວາມຄິດເຫັນຕໍ່ການກໍ່ຕັ້ງໄຮງຄຸ້ມປະຊຸມນີ້?	ເຫັນດີ ທ່ານພັດທະນາ
ທ່ານມັກສັບຊ້ອນແຕ່ງກັບໂຄງການນີ້?	ດີ ສູງກວ່າໂລກອື່ນ
ທ່ານບໍ່ມັກສັບຊ້ອນແຕ່ງກັບໂຄງການນີ້?	ດີ ສູງກວ່າໂລກອື່ນ
ລາຍເຊັນ:	

Support the Project  
Provide Power  
Good  
None

### Hydropower Project LSC Evaluation Form

ຊື່ ແລະ ນາມສະກຸນ:	ນ. ສິນທິພອນ ສິນທິພອນ
ທ່ານມີຄວາມຄິດເຫັນຕໍ່ການກໍ່ຕັ້ງໄຮງຄຸ້ມປະຊຸມນີ້?	ເຫັນດີ ທ່ານພັດທະນາ
ທ່ານມັກສັບຊ້ອນແຕ່ງກັບໂຄງການນີ້?	ດີ ສູງກວ່າໂລກອື່ນ
ທ່ານບໍ່ມັກສັບຊ້ອນແຕ່ງກັບໂຄງການນີ້?	ດີ ສູງກວ່າໂລກອື່ນ
ລາຍເຊັນ:	

Very support the power station's implementation. The relationship between the project owner and local residents is good.  
Good  
None

### Hydropower Project LSC Evaluation Form

ຊື່ ແລະ ນາມສະກຸນ:	
ທ່ານມີຄວາມຄິດເຫັນຕໍ່ການກໍ່ຕັ້ງໄຮງຄຸ້ມປະຊຸມນີ້?	ເຫັນດີ ທ່ານພັດທະນາ
ທ່ານມັກສັບຊ້ອນແຕ່ງກັບໂຄງການນີ້?	ດີ ສູງກວ່າໂລກອື່ນ
ທ່ານບໍ່ມັກສັບຊ້ອນແຕ່ງກັບໂຄງການນີ້?	ດີ ສູງກວ່າໂລກອື່ນ
ລາຍເຊັນ:	

Support  
Road construction and Supply power  
Do not conflict with environment

### Hydropower Project LSC Evaluation Form

ຊື່ ແລະ ນາມສະກຸນ:	
ທ່ານມີຄວາມຄິດເຫັນຕໍ່ການກໍ່ຕັ້ງໄຮງຄຸ້ມປະຊຸມນີ້?	ດີ ສູງກວ່າໂລກອື່ນ
ທ່ານມັກສັບຊ້ອນແຕ່ງກັບໂຄງການນີ້?	ດີ ສູງກວ່າໂລກອື່ນ
ທ່ານບໍ່ມັກສັບຊ້ອນແຕ່ງກັບໂຄງການນີ້?	ດີ ສູງກວ່າໂລກອື່ນ
ລາຍເຊັນ:	

Support the project  
Supply job opportunity  
None

### Hydropower Project LSC Evaluation Form

ຊື່ ແລະ ນາມສະກຸນ:	
ທ່ານມີຄວາມຄິດເຫັນຕໍ່ການກໍ່ຕັ້ງໄຮງຄຸ້ມປະຊຸມນີ້?	ດີ ສູງກວ່າໂລກອື່ນ
ທ່ານມັກສັບຊ້ອນແຕ່ງກັບໂຄງການນີ້?	ດີ ສູງກວ່າໂລກອື່ນ
ທ່ານບໍ່ມັກສັບຊ້ອນແຕ່ງກັບໂຄງການນີ້?	ດີ ສູງກວ່າໂລກອື່ນ
ລາຍເຊັນ:	

Glad to attending the meeting  
Benefit to the country's development  
None

### Hydropower Project LSC Evaluation Form

ຊື່ ແລະ ນາມສະກຸນ:	
ທ່ານມີຄວາມຄິດເຫັນຫຍັງແຕ່ງ່ວກັບກອງປະຊຸມນີ້?	ປະໂຫຍດໂຄງການລົດໄຟ
ທ່ານມັກຫຍັງແຕ່ງ່ວກັບໂຄງການນີ້?	ໂຄງການນີ້ມີຄວາມສຳຄັນ
ທ່ານບໍ່ມັກຫຍັງແຕ່ງ່ວກັບໂຄງການນີ້?	ບໍ່ມີ
ລາຍເຊັນ:	

Positive  
Benefit to local  
development  
Support

### Hydropower Project LSC Evaluation Form

ຊື່ ແລະ ນາມສະກຸນ:	ນ. ສິງ:
ທ່ານມີຄວາມຄິດເຫັນຫຍັງແຕ່ງ່ວກັບກອງປະຊຸມນີ້?	ໂຄງການນີ້ມີຄວາມສຳຄັນ
ທ່ານມັກຫຍັງແຕ່ງ່ວກັບໂຄງການນີ້?	ມີທ່າທີສຳຄັນ
ທ່ານບໍ່ມັກຫຍັງແຕ່ງ່ວກັບໂຄງການນີ້?	ບໍ່ມີ
ລາຍເຊັນ:	

Support the project  
Support the project  
None