

# GOLD STANDARD PASSPORT

## GOLD STANDARD PASSPORT

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## SECTION A. Project Title

[See Toolkit 1.6]

**La La Hydropower Project, Vietnam**

## SECTION B. Project description

[See Toolkit 1.6]

Start date of construction: 12.02.2008 (signing of the construction contract)

The project activity is to build and operate a hydropower plant with an accumulation reservoir in the Tan Lap, Tan Long Commune, Huong Hoa District, Quang Tri Province of Vietnam.

La La hydropower plant is owned and built by Mai Linh Energy JSC.

The hydropower plant will install three turbines of 1 MW each totaling 3 MW installed capacity with a projected average annual production of 12.1 million kWh. The power station is based on a dam with a reservoir area at maximum water level of 31,000m<sup>2</sup>. The energy intensity is around 100 W/m<sup>2</sup>. The electricity produced will be fed into the national grid with a 22 kV single circuit transmission line from La La Hydropower project to the Khe Sanh station. The project started construction in February 2008 and will enter into operations in October 2012.

The project will reduce GHG emissions by annually 6,905tCO<sub>2</sub> by producing electricity with a renewable source thus substituting electricity produced in Vietnam to a large extent by fossil means.

The contribution to sustainable development is:

- Reduced GHG emissions through producing energy with a renewable source
- Reduced local air pollution, especially particle matter and sulfur bio-oxide caused by thermal power plants, especially coal plants as used by Vietnam.
- Renewable energy sources and technology is promoted thus diversifying energy sources and securing energy supply for a sustained economic growth of Vietnam.
- Creation of 331 additional jobs during construction<sup>1</sup> and 18 permanent jobs<sup>2</sup> during hydropower plant operations.
- 

No people had to be dislocated due to the reservoir.

<sup>1</sup> Document 12: The figure on the organizational set-up for the construction of the La La hydro power plant, Mai Linh

<sup>2</sup> Document 1, chapter 1, p.6: Investment project - Basic engineering design - Volume 1: Description, Phan Phan Hai, P.Q.H Hydro Power Consulting Ltd Company, 2007

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**Figure 1:** View along the future penstock fundement towards powerhouse and La La River (Picture during construction)



**Figure 2:** Small Dam of the La La Hydropower Plant, afforestation in the back

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**Figure 3:** Water channel bringing water from the dam to the penstock



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**Figure 4:** Powerhouse near the La La River



**Figure 5:** Penstock

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## SECTION C. Proof of project eligibility

### C.1. Scale of the Project

[See Toolkit 1.2.a]

*Please tick where applicable:*

| Project Type                                                                        | Large                    | Small                               |
|-------------------------------------------------------------------------------------|--------------------------|-------------------------------------|
|    | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|    | <input type="checkbox"/> | <input type="checkbox"/>            |
|    | <input type="checkbox"/> | <input type="checkbox"/>            |
|   | <input type="checkbox"/> | <input type="checkbox"/>            |
|  | <input type="checkbox"/> | <input type="checkbox"/>            |
|  |                          | <input type="checkbox"/>            |

### C.2. Host Country

[See Toolkit 1.2.b]

Vietnam

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## C.3. Project Type

[See Toolkit 1.2.c and Toolkit Annex C]

Please tick where applicable:

| Project type                                                                             | Yes                      | No                       |
|------------------------------------------------------------------------------------------|--------------------------|--------------------------|
| Does your project activity classify as a Renewable Energy project?                       | ✓                        | <input type="checkbox"/> |
| Does your project activity classify as an End-use Energy Efficiency Improvement project? | <input type="checkbox"/> | ✓                        |

Please justify the eligibility of your project activity:

The project is **not** located in a High Conservation Value (HCV) area according to definitions in the revised annex c of GS. The project is neither located in a national protected area (see EIA) nor in an international inventory (protected planet, Ramsar, UNEP).

According to table C-2 of Annex C of the GS-Guidelines the La La hydropower project is eligible: the installed capacity of the hydropower plant is less 20MWe. In the following paragraphs the relevance and implications according to table C-2 of Annex C is discussed:

| Area | Aspect                                                                                                    | Response and Discussion concerning La La Project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | Basic requirements                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|      | Minimum Flow Goal is a dynamic flow regime, which qualitatively simulates the natural hydrological regime | La La reservoir volume is only 93'000 m <sup>3</sup> while total annual flow of La La spring is 86'700'000 m <sup>3</sup> /year ( $\varnothing \approx 240'000 \text{ m}^3/\text{day}$ )(EIA, English Version, page 4 / FSR (EN), page 5). Thus, the built basin cannot store water for a long time because with average flow the reservoir will be refilled around 2.5 times per day. Based on these figures it is obvious that the reservoir have no significant implications on the natural hydrological regime of the river. The most sensitive section of the river for hydrological regime changes due to the project is the river section between dam and water outlet after the powerhouse (see map in chapter D-2). In this river section (around 2.4 km long) the La La project has to meet the minimal flow standards of Vietnam. |
|      | Minimum flow which                                                                                        | Between dam and the water outlet after the pow-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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|  |                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | guarantees habitat quality and prevents critical oxygen and chemical concentrations                   | erhouse, the minimum flow in the dry season according to Vietnamese law will be met in order to protect the life habitat in this sensitive section. In the other river section the project will not influence the water regime (see also first answer).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|  | No disconnection of lateral rivers                                                                    | There is no disconnection of lateral rivers in the project. The water of La La will be discharged after the powerhouse back to the La La river (see also map in chapter D-2).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|  | Minimum water depth for fish migration during critical periods                                        | In the sensitive section of the river between dam and water outlet after the powerhouse a minimum flow according to Vietnamese law (Decree No 112/2008/ND-CP, will be guaranteed. Thus the fishes can migrate easily to deeper water after the sensitive section.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|  | Lateral and vertical connectivity (flood plains and groundwater) shall not be substantially disturbed | <p>In the sensitive section of the river between dam and water outlet after the powerhouse a minimum flow according to Vietnamese law will be guaranteed. Thus the fishes can migrate easily to deeper water after the sensitive section.</p> <p>According to Decree 112/2008 dated 20th Oct. 2008 by the Government on management, protection and integrated exploitation of resources and environment of hydropower and irrigation reservoirs, the exploitation and usage of resources and environment of reservoirs shall ensure the safety of reservoirs and minimum flow, shall not affect the objectives and tasks of reservoirs approved by authorized agencies and shall meet the requirements on the prevention and fight against the degradation, depletion and pollution of water resources and the harm caused by water in the reservoir basin and downstream (Article 4, Point 3)</p> <p>In there, "Minimum flow" is the lowest level of flow necessary to maintain the river or part of river, ensuring normal development of water ecosystem and ensuring minimum level for the exploitation and usage of water resources by water users in</p> |

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|  |                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                                      | <p>priority order specified in river basin planning. (Article 3, Point 5)</p> <p>Lala project meets above requirements and is granted the approved surface water usage exploitation license by Ministry of Natural resource and Environment. According to the surface water usage exploitation license No. 1020/GP-BTNMT dated 9 Jun 2010 by Ministry of Natural Resources and Environment (file 15), regular discharge flow after the dam is not less than 0.3m<sup>3</sup>/s and annually observed and reported to the authorities. Therefore, minimum flow is identified and guaranteed. (Surface water usage exploitation license No. 1020/GP-BTNMT, Article 2, Point 2,3,4)</p> <p>(Decree 112/2008 dated 20th Oct. 2008 and Surface water usage exploitation license No. 1020/GP-BTNMT, see file 15)</p> <p>The minimum flow (around 10% of the average annual flow rate) will be kept through a permanent opening of the sediment flushing channel.</p> <p>Theoretical the groundwater could be influenced in the reservoir area and in the section between dam and water outlet of the powerhouse. While in the reservoir area the groundwater flow could increase slightly the groundwater flow after the dam might be slightly lower. As the project areas is very limited this two converse effects would be equalized. The EIA is not mentioned about groundwater impacts of the project activity</p> |
|  | Provides sufficient transport capacity for sediments | The dam with silt sewer for releasing sedimentation will ensure sufficient transportation of sediments.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|  | Landscape compartments shall not be destroyed        | The project does not involve significant destruction of any landscape compartments. Minor changes can be observed due to excavation, material extraction, new road construction or im-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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|                             |                                                                              |                                                                                                                                                                                                                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                             |                                                                              | provement of existing roads. The dam has little influence on the landscape (see also figures 1 to 5).                                                                                                                                                                                                |
|                             | Flood plain ecosystems shall not be endangered                               | There is no visible flood plain ecosystem within the sensitive zones. The La La source is running in this section in a deep and steep riverbed. Downstream - after the water is released back to the La La river the water regime will not change and therefore no impacts occur to any ecosystems.. |
|                             | Basic requirements                                                           |                                                                                                                                                                                                                                                                                                      |
| <b>Hydropeaking</b>         | Conservation of locally adapted species and ecosystems                       | The sensitive river section of the La La project is 2.41 km (1.5 miles) long (assessed in google earth, map see sector D). In this section the river runs through a lowered river bed between hills. The project does not impact any sensitive ecosystem and species in this section.                |
|                             | Rate of change of water level should not impair fish and benthic populations | La La reservoir is a daily regulation reservoir (see answer above) and will not make significant change in natural hydrological regime in the sensitive river section of the project.                                                                                                                |
|                             | Reduction in water level should not lead to drying of the water course.      | A minimum flow in dry season will be maintained according to the Vietnamese law. According to the law a minimal flow of 10% of the actual water flow must be kept. The minimal flow in the La La project must be at least 0.3m <sup>3</sup> /s (see file 15).                                        |
|                             | Protective measures if flood plain ecosystems are impaired.                  | The river run in a steep valley and no flood plains are available in the project sensitive section.                                                                                                                                                                                                  |
|                             | No isolation of fish and benthic organisms when water level decreases        | A minimum safety flow will be guaranteed that isolation of fish (if any) or benthic organisms are minimal.                                                                                                                                                                                           |
|                             | No impairment of spawning habitat for fish                                   | The project activity only impacts short river section where no spawning habitats for fish are detected.                                                                                                                                                                                              |
|                             |                                                                              |                                                                                                                                                                                                                                                                                                      |
| <b>Reservoir management</b> | Are there feasible alternatives to reservoir flushing?                       | Under normal operation conditions, there is no reservoir flushing. During flood, if the water volume is bigger than the regulated capacity of the reservoir the water will flow freely over the spill way as in natural regime.                                                                      |

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|                            |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | Changes in reservoir levels should not impair lateral ecosystems (flood plains, river shores,...)                       | The reservoir is very limited and will normally re-filled 2.5 times per day. Thus there is no change in the water regime due to the reservoir. In the sensitive zone behind dam and water release (see above answers) there are no mentioned ecosystems which are impacted. With the reservoir, the water level differences are reduced due to the reservoir influence (less damages during flood in the rainy season). |
|                            | Connectivity with lateral rivers should not be impaired                                                                 | There are no lateral rivers impacted (see also map in chapter D-2)                                                                                                                                                                                                                                                                                                                                                      |
|                            | Sediment accumulation areas should be used as valuable habitats, where feasible.                                        | There is no sediment accumulation area in the project area.                                                                                                                                                                                                                                                                                                                                                             |
|                            | Special protection of flood plain ecosystems if they are impaired                                                       | There are no flood plains in the project area (sensitive river section after dam)                                                                                                                                                                                                                                                                                                                                       |
| <b>Sediment management</b> | Sediments have to pass through the power plant.                                                                         | The dam with silt sewer for releasing sedimentation will ensure sufficient transportation of sediment.                                                                                                                                                                                                                                                                                                                  |
|                            | No erosion and no accumulation in the river bed below storage dams and water intakes because of a deficit in sediments. | No significant impact on accumulation in the river bed below the regulator structure is expected. During operation, no significant erosion is expected below the regulator structure. The close vicinity of conveyance channel is planned to be planted with trees, which will contribute to erosion control as well.                                                                                                   |
|                            | Sediment transport should sustain morphological structures, which are typical for the river                             | Daily regulated reservoir with silt sewer in dam will ensure sediment transportation                                                                                                                                                                                                                                                                                                                                    |
|                            | No accumulation of sediments below dams                                                                                 | Due to slope terrain there will be no accumulation of sediments below dams                                                                                                                                                                                                                                                                                                                                              |
|                            | Riverine habitats have to be established                                                                                | The project will have no significant impact on sediments and riverine habitats. Because the water regime is not changed it is not necessary to take measures to interfere in natural ecosystems.                                                                                                                                                                                                                        |
| <b>Power plant</b>         | Free fish migration up-                                                                                                 | The dam was built at the place of a waterfall of                                                                                                                                                                                                                                                                                                                                                                        |

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|                       |                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                              |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>design</b>         | wards and downwards<br>(as far as technologically<br>Power plant design feasi-<br>ble)                                                        | around 10 meters in order to make full use of the<br>natural slope. Therefore, also in the baseline<br>situation the fish migration between the two river<br>section was very limited (or even impossible).<br>With the dam we have more or less the same<br>situation with very reduced fish migration options<br>between the two sections. |
|                       | Protection of animals<br>against injury and death<br>stemming from power<br>plant operations (tur-<br>bines, canals, water in-<br>takes, ...) | The inlet in the conveyance channel is protected<br>in order to eliminate coarse material in the chan-<br>nel. In the penstock inlet tank there is also protec-<br>tion measures in order to prevent the turbines<br>from coarse material. With these protection<br>measures the animals should be prevented from<br>injury and death.       |
| <b>Social impacts</b> | Cultural landscapes                                                                                                                           | There are no known cultural landscapes in the<br>project area (see also file 1)                                                                                                                                                                                                                                                              |
|                       | Human heritage (includ-<br>ing protection of special<br>ethnic groups)                                                                        | There is no human heritage (including protection<br>of special ethnic groups) in the project area.                                                                                                                                                                                                                                           |
|                       | Preservation of lifestyles                                                                                                                    | Due to small scale of the project, there is no dis-<br>turbance on human heritage and way of life.                                                                                                                                                                                                                                           |
|                       | Empowerment of local<br>stakeholders in the deci-<br>sion-making process<br>(about mitigation and<br>compensation of social<br>impacts)       | Local stakeholders, people council and committee<br>have right to participate and supervise process<br>related to social impacts such as land compensa-<br>tion. The land used for the project was mostly on<br>very slopy hills with extensive agricultural use.                                                                            |
|                       | Resettlement of local<br>population under similar<br>or better living conditions<br>(than prior to the project)                               | There is no resettlement due to project activities.                                                                                                                                                                                                                                                                                          |
|                       | Build additional social<br>infrastructure, sufficient to<br>cope with population in-<br>crease (due to migration<br>induced by the project)   | There is no migration into the project area due to<br>this small scale activities. Therefore, no social<br>infrastructure was built based on migration.                                                                                                                                                                                      |
|                       | Water quality and fishing<br>losses affecting down-<br>stream riverside popula-<br>tion                                                       | The downstream water quality will not be af-<br>fected, since the same water flows will be kept<br>downstream.<br>Only in the sensitive river section below the dam                                                                                                                                                                          |

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|  |  |                                                                                                                               |
|--|--|-------------------------------------------------------------------------------------------------------------------------------|
|  |  | the fish population could be reduced. Anyway, it is not known that people were fishing in this area before the dam was built. |
|--|--|-------------------------------------------------------------------------------------------------------------------------------|

Based on the explanations and discussions above it can be summarized that the La La hydropower project does not impact the natural ecosystems in the project area. The small reservoir compared to the average flow of the La La river does not influence or change the water regime before the dam and after the water is released to the river after the powerhouse. The sensitive river section of the project between dam and the water outlet after the turbines is very short and a minimum water flow will be kept in the dry season according to Vietnam law. Also in this sensitive river section no significant impact could be assessed. Thus, the basic requirements of annex C of the GS guidelines are fulfilled.

Vietnam has ratified the Kyoto protocol and is eligible for CDM and therefore also for the GS Standard.

The project will reduce GHG emissions by annually 6,905tCO<sub>2</sub> by producing electricity with a renewable source thus substituting electricity produced in Vietnam to a large extent by fossil means. The GHG integrated in this project will be therefore CO<sub>2</sub>. This gas is eligible for the GS Standard.

The project is a small scale project under CDM.

There is no Official Development Assistance (ODA) in this project and the project will not receive any public funding from Parties included in Annex I (see also ODA Declaration).

The project activity is under construction. The CDM process has been finished with the registration on March 29, 2011. Therefore, this project falls under the retroactive registration scheme of the GS.

Besides CDM the project does not claim other certificates. Double counting will therefore not occur.

| Pre Announcement                       | Yes                      | No                                  |
|----------------------------------------|--------------------------|-------------------------------------|
| Was your project previously announced? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

There was no announcement that the project could be realized without CDM. In the meeting of the board of directors of Mai Linh Energy JSC (date: 18.11.2007) it was decided that the project is only realized with the additional benefit from emission reduction certificates. August 28, 2008 Mai Linh signed a MoU with ecotawa AG in order to develop the CDM-project for Mai Linh Energy JSC.

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## C.4. Greenhouse gas

[See Toolkit 1.2.d]

| Greenhouse Gas |   |
|----------------|---|
| Carbon dioxide | ✓ |
| Methane        |   |
| Nitrous oxide  |   |

## C.5. Project Registration Type

[See Toolkit 1.2.f]

| Project Registration Type                                               |                          |
|-------------------------------------------------------------------------|--------------------------|
| <b>Retroactive</b> Registration (project is already under construction) | <input type="checkbox"/> |

| Pre-feasibility assessment | Retroactive projects (T.2.5.1) | Preliminary evaluation (eg: Large Hydro or palm oil-related project) (T.2.5.2) | Rejected by UNFCCC (T2.5.3) |
|----------------------------|--------------------------------|--------------------------------------------------------------------------------|-----------------------------|
|                            | ✓                              |                                                                                |                             |

If Retroactive, please indicate Start Date of Construction dd/mm/yyyy: 16/02/2008

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## SECTION D. Unique project identification

### D.1. GPS-coordinates of project location

[See Toolkit 1.6]

|           | Coordinates      |
|-----------|------------------|
| Latitude  | 16° 35' 50" N    |
| Longitude | 106° 40' 30.5" E |



*Explain given coordinates*

The coordinates have been assessed with a GPS at the powerhouse site. The coordinates are verified through a picture from Google Earth (see figure 8).

### D.2. Map

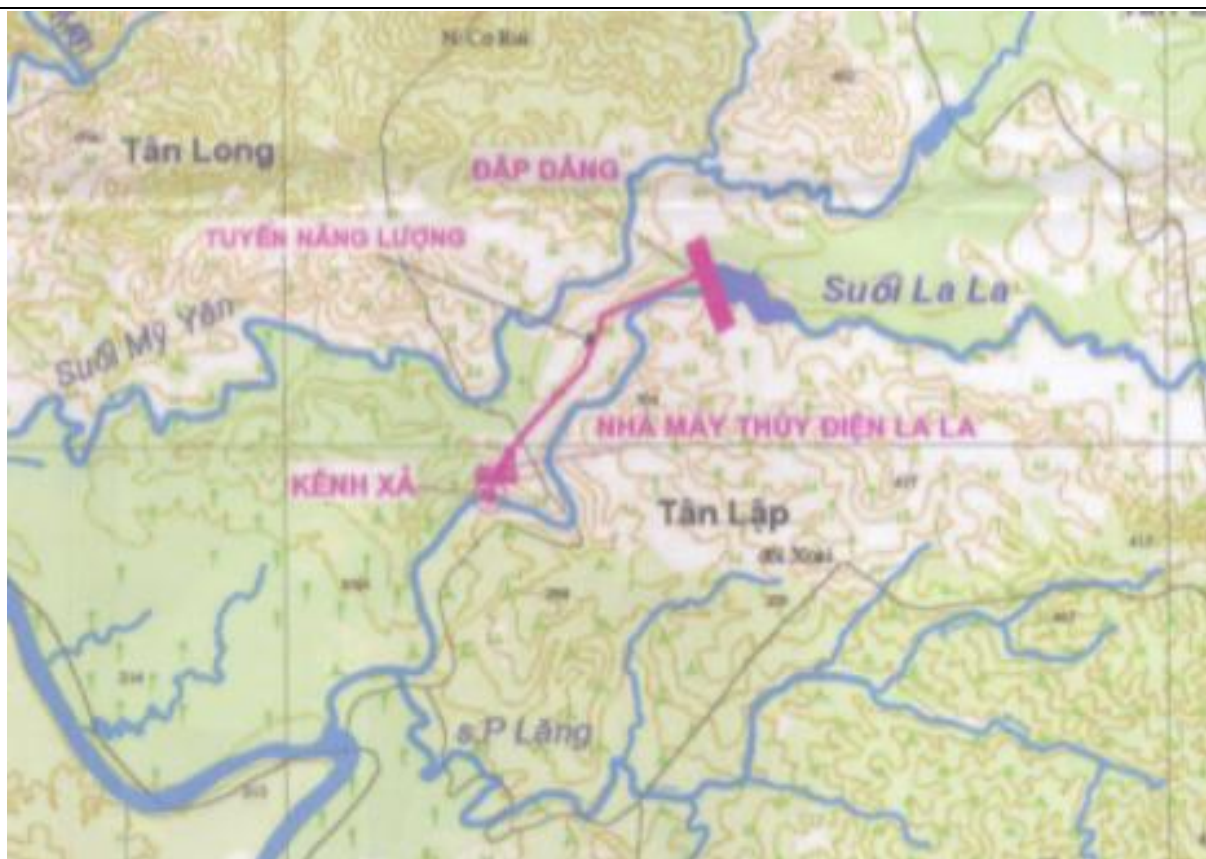
[See Toolkit 1.6]

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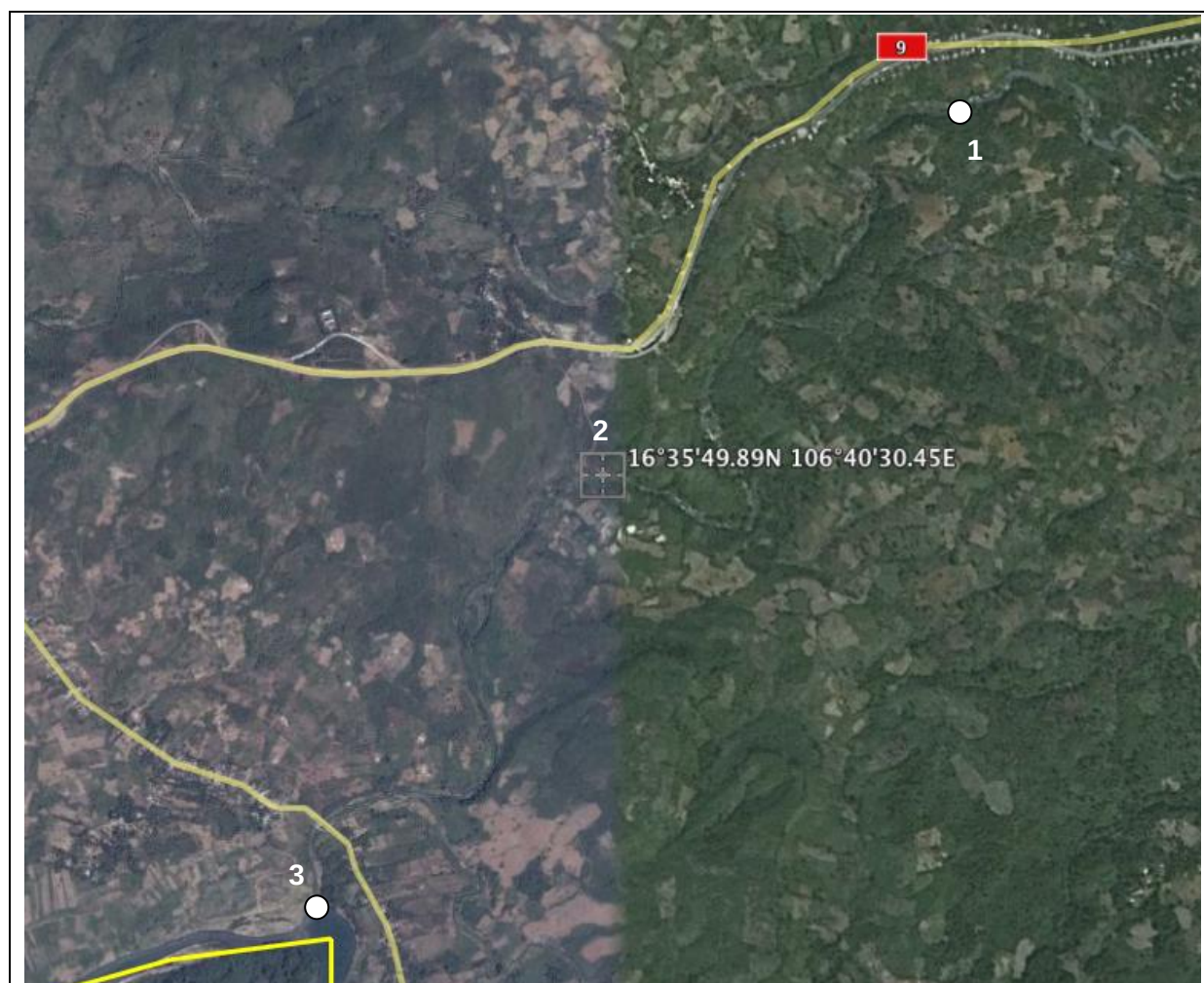
**Figure 6** Map of Vietnam with part of Quang Tri Province, red marked the project activity site.

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**Figure 7** Project overview: red dam with reservoir, water conveyance channel along the slope, penstock, powerhouse and water release to the La La River. On the left side Xe Pong river, which is the border to Lao. The sensitive river section between dam and water release without any lateral rivers and flood plains

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**Figure 8** Google Earth of the project site, coordinates of the powerhouse(2); (1) place of the dam, (3) confluence La La River into Xe Pong River (yellow: border of Lao PDR)

## SECTION E. Outcome stakeholder consultation process

### E.1. Assessment of stakeholder comments

#### [See Toolkit Annex J]

The stakeholder meeting took place on Friday, January 8, 2010 at 08:00 AM in the La La hydropower management building at km 72 of the Highway No.9.

Stakeholders have been invited through invitation letters. Furthermore, the invitation was published in the newspaper and also on public notice boards. The invitation on the notice board was made two weeks before the meeting took place (two weeks on the board). The selection of the stakeholders were made according to GS-toolkit: neighbours, af-

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affected people (land loss), people committees of province, district and commune level, environmental agencies (DONRE), NGOs such as Veterans, WWF and International Rivers, etc. (for details see stakeholder Consultation Report).

During the meeting all questions of the meeting participants were answered to their full satisfaction. This included the comments and questions received regarding the risk of flood and also about air pollution. The project owner explained in more details in order to solve these concerns.

The GS expert was invited for the meeting but could not participate.

The project was presented during the LoA process to DNA Vietnam. There were no comments from the local CDM authority against the project. For the stakeholder meeting DNA was invited but could not participate (see stakeholder consultation report).

There were few comments from NGOs. The Chairman of the Veteran Union was convinced that the project is helpful for the socio-economic development of the area. His concern was the impact for the downstream area such as flood.

During the Initial Stakeholder Consultation the Sustainable Development Matrix was filled in. The different indicators have been displayed and explained. Afterwards all the participants made their score for each indicator. Each participant showed its opinion with yes or no. Based on this voting the score for each indicator was built. The result was the blind sustainable matrix of the stakeholder. Afterwards the consolidated sustainable development matrix was build based on the stakeholder assessment and the own sustainable development matrix.

To conclude, no alteration of the project activity will be made as a result of the stakeholder meeting.

### E.2. Stakeholder Feedback Round

Please describe report how the feedback round was organised, what the outcomes were and how you followed up on the feedback.

#### [See Toolkit 2.11]

During the stakeholder consultation - first feedback round - no negative issues have been identified (see La La Stakeholder Consultation Report). Thus no physical meeting was carried out for the stakeholder feedback round.

When the stakeholder feedback round was started, December 10. 2011, the construction of the hydropower plant was still on-going. It is assumed that the project will start operation in June or July 2012.

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The Stakeholder Feedback Round was announced in early December 2011 by e-mail for the identified stakeholders (same organizations and people as in the first round) and was posted at many public sites (see pictures below).

The following letter was sent and posted in order to invite people to make comments:

### *"INVITATION FOR MAKING FURTHER COMMENTS FOR LA LA HYDROPOWER PROJECT*

*La La Hydropower Project with installed capacity of 3 MW including 3 turbines of 1 MW will generate around 12.1 million KWh electricity per year. The plant is built on La La spring, a small branch of Se Pon River in Tan Lap, Tan Long commune Huong Hoa district, Quang tri province. The produced electricity will be fed into the national grid.*

*With the construction of the project Vietnam can reduce electricity shortages and produce electricity in a sustainable manner - reducing CO<sub>2</sub> and air pollution.*

*The project owner is Mai Linh Energy Joint Stock Company and its head office is in Km 83, National Road 9, Lao Bao Special Economic – Commercial Area.*

*The project started construction in 2008 and will be soon completed. No household has to be relocated due to the project activities. 130 affected households had been compensated with money for the loss of their land. This process has been already terminated.*

*For the project an Environmental Impact Assessment has been established which was approved by the authorities. During the establishment of this study the consultant carried out stakeholder meetings in order to get comments and complaints concerning the project activity.*

*On the 8th of January 2010 a stakeholder meeting under the Gold Standard was held at head office of Mai Linh Company. The meeting consisted of officials of the Department of Natural Resources and Environment of Huong Hoa district, authorities of Tan Lap and Tan Long communes, representatives of Women Union, Veterans' Association, Farmers' Association and affected households, NGOs, interested people and the project owner. The discussion surrounded indicators for project development in a more sustainable way, achieving much more benefits for the community.*

*All mentioned concerns were answered through Mai Linh company during the meeting and the Company also committed to take additional actions regarding these questions. Based on the stakeholders' comments and recommendations the project owner has contracted some companies to implement mitigation measures in order to reduce environmental impacts mentioned through stakeholders. About the stakeholder meeting held on 8th of January 2010 a report (Local Stakeholder Consultation Report) was established.*

*In order to improve the La La Hydropower project continuously we would like to invite you to make further comments on the mentioned report and the documentation established for the CDM project and the Gold Standard certification. Thus the following documents:*

- *Local Stakeholder Consultation Report*
- *Project Design Document (registered by UNFCCC on 29 Mar 11 (Date of registration action 15 Jun 11))*
- *Gold Standard Passport*
- *Environmental Impact Assessment Report*

*are public available for free consultation in the meeting hall of the people's committee of Lao Bao from December 10th, 2011 to February 10th, 2012.*

*We would like to invite you for studying the mentioned documents and to give further comments on*

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*the project. Please write your comments and inputs in the "Book for Comments" which is available in the same place. You can also make a direct call to phone number (+84 4) 35739325, we will rewrite your comments based on content of the call and give updated information of the project. We would like to thank you in advance for your cooperation, for further comments and inputs. Thanks to your comments and inputs we are able to establish a more sustainable project.*

*For further technical information please contact: Mr. Hoang Van Hien, Deputy Technical Director of Mai Linh Energy Joint Stock Company in Km 83, National Road 9, Lao Bao Special Economic – Commercial Area. Tel 0982 645 877.*

*Or you can access the project information via the link:  
[http://www.tetavn.com/gslala\\_en/](http://www.tetavn.com/gslala_en/)*

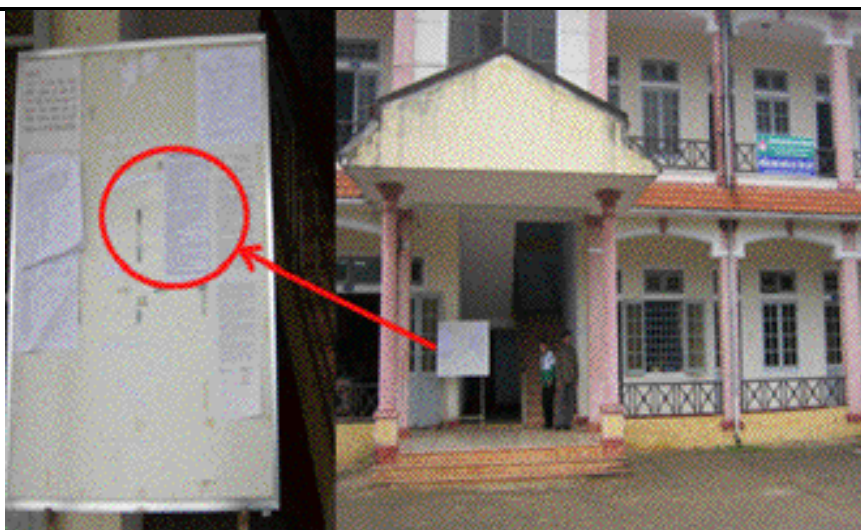
In the same time Ms. Ellen May Zanoria Reynes, the GS - representative for Vietnam was informed about the starting of the second stakeholder feedback round.

The mentioned letter above have been posted at the following places in order to give attendance to the feedback round:



**Figure 1:** Posting Invitation for further comments for La La Hydropower Project in the operating house of La La hydropower plant at km 72, #9 highway, Tan Lap commune, Huong Hoa district, Quang Tri province.

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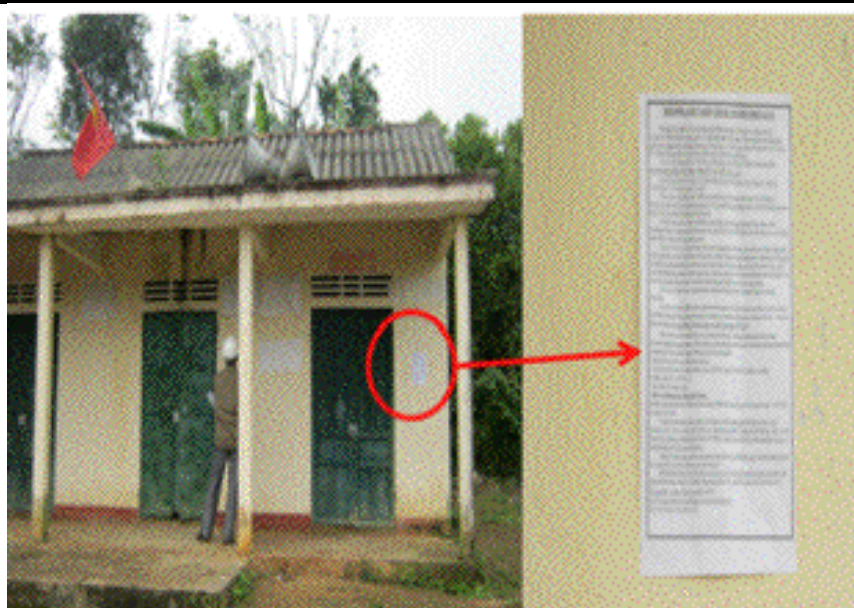


**Figure 2:** Posting Invitation for further comments in the head office of Tan Lap commune, Huong Hoa district, Quang Tri province



**Figure 3:** Handing over La La GS documents to Mr. Nguyen Dang Ca – Chairman of Tan Lap commune, Huong Hoa district, Quang Tri province

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**Figure 4:** Invitation was published at the meeting hall of Tan Son hamlet, Tan Lap commune.



**Figure 5:** Posted invitation at the meeting hall of Tan Tai hamlet, Tan Lap commune

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**Figure 6:** Invitation posted at the office of Tan Thuan hamlet, Tan Lap commune.



**Figure 7:** Published invitation at the meeting hall of Tan Trung hamlet, Tan Lap commune

As it was mentioned in the invitation letter, the documents were also up-loaded on the internet during the stakeholder feedback round (December 10, 2011 - February 10, 2012)

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During the 60 days of the stakeholder feedback round no comments have been written to the public booklets nor to the available internet platform.

## SECTION F. Outcome Sustainability assessment

### F.1. 'Do no harm' Assessment

[See Toolkit 2.4.1 and Toolkit Annex H]

| Safeguarding principles                                                                                                                                                                       | Description of relevance to my project                                                                                                                                                                                                                                                                                         | Assessment of my project risks breaching it (low /medium/high) | Mitigation measure              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------|
| 1 The project respects internationally proclaimed human rights including dignity, cultural property and uniqueness of indigenous people. The project is not complicit in Human Rights abuses. | 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 neighbours is distributed by a local grid and is part of the internal electricity use.  | No risk                                                        | No mitigation measure required. |
| 2 The project does not involve and is not complicit in involuntary resettlement.                                                                                                              | Due to the project activity there is no resettlements or relocations of households.<br>The Vietnam Government has not ratified the ILO convention 169.<br>The Vietnamese Government has shown its respect for the legitimate rights of indigenous people by supporting the UN Declaration on the Rights of Indigenous Peoples. | No risk                                                        | No mitigation measure required. |
| 3. The project does not involve and is not complicit in the alteration, damage or removal of any critical                                                                                     | The project does not take place in area with cultural heritages or goods (see file 1).<br>When planning Hydropower projects (including Lala HPP) in Quang Tri province, the Industry Department of Quang Tri                                                                                                                   | No risk                                                        | No mitigation measure required. |

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| cultural heritage.                                                                                                                                                       | province sent document No 322/SCN-NL date July 20, 2006 to provincial Department of Culture and Information for consultation concerning location of projects. The Management Board of Heritage under Department of Culture and Information confirmed by document No 70/CV-BQLDT dated August 3, 2006 that the projects did not located in protection areas of tourist attraction and historic interest places or scenic spots thus were not effect (Please see <a href="#">File 1 Confirmation of DCI.pdf</a> ).                                                                                              |         |                                 |
| 4. The project respects the employees' freedom of association and their right to collective bargaining and is not complicit in restrictions of these freedoms and rights | The project activity does not interfere with legal rights regarding employees' freedom of association or their right to collective bargaining.<br>The ILO conventions 87 and 98 are not yet ratified by Vietnam.                                                                                                                                                                                                                                                                                                                                                                                              | No risk | No mitigation measure required. |
| 5. The project does not involve and is not complicit in any form of forced or compulsory labour.                                                                         | The Project does not involve any form of compulsory labour and employees are paid wages in accordance with the Vietnamese Labour Law and Vietnam ratified ILO Conventions 29 (forced labour convention) according to Decision No. 148/2007/QĐ-CTN on January 29, 2007 of President Mr. Nguyen Minh Triet.<br><i>Please see web link below:</i><br><a href="http://www.cpv.org.vn/cpv/Modules/News/NewsDetail.aspx?co_id=30636&amp;cn_id=139871">http://www.cpv.org.vn/cpv/Modules/News/NewsDetail.aspx?co_id=30636&amp;cn_id=139871</a><br>and see file: <a href="#">File 4 ILO convention Nov 2007.pdf</a> . | No risk | No mitigation measure required. |
| 6. The project does not employ and is not complicit in any form of child labour.                                                                                         | The Vietnam Government has ratified the ILO conventions 29, 138 and 182 but not the convention 105.<br>( <a href="http://webfusion.ilo.org/public/applis/appl-byCtry.cfm?lang=EN&amp;CTYCHOICE=0940&amp;hdroff=1">http://webfusion.ilo.org/public/applis/appl-byCtry.cfm?lang=EN&amp;CTYCHOICE=0940&amp;hdroff=1</a> )<br>The project does not employ and does not intend to employ children below the age of                                                                                                                                                                                                 | No risk | No mitigation measure required. |

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|                                                                                                                                                                   | <p>15. Mai Linh Energy JSC complies with Labour law of Viet Nam that states:</p> <ul style="list-style-type: none"> <li>- Young people less than 15 years old may not be employed in heavy and dangerous work (Article 120)</li> <li>- It is strictly prohibited to abuse labour capacity of junior people (Article 119)</li> </ul> <p>( Please see link below<br/> <a href="http://www.global-standards.com/Resources/VNLaborCode1994-2002.pdf">http://www.global-standards.com/Resources/VNLaborCode1994-2002.pdf</a><br/> Or file <i>File 6 Labour code.pdf</i>)</p>                                                                                                                                                                                                                                                                                                                                                                                                                            |         |                                 |
| <p>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.</p> | <p>The Vietnam Government has ratified the ILO conventions 100 and 111.<br/> See below link.<br/> <a href="http://www.presscenter.org.vn/en//images/ADDENDUM%20Responses%20of%20Viet%20Nam%20to%20Recommendations.pdf">http://www.presscenter.org.vn/en//images/ADDENDUM%20Responses%20of%20Viet%20Nam%20to%20Recommendations.pdf</a></p> <p>or see file: <i>File 7 ADDENDUM Responses of Viet Nam to Recommendations.pdf</i> (page 13)</p> <p>The project activity does not condone, support or involve in discrimination, based on language, race, sex, political opinion, philosophical belief, religion and sex or similar reasons. Furthermore, this is not permissible in the employment relationship according to Article 5 Labour Law of Viet Nam.</p> <p>( Please see below link<br/> <a href="http://www.global-standards.com/Resources/VNLaborCode1994-2002.pdf">http://www.global-standards.com/Resources/VNLaborCode1994-2002.pdf</a><br/> Or file <i>File 6 Labour code.pdf</i>)</p> | No risk | No mitigation measure required. |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------|
|                                                                                                                                                                    | <p>The company recruits labors according to the Labor Code, the Law on Enterprises and demands of labors. Usually, when organizing labor recruitment, the Company publicizes their recruitment notice indicating needed positions, quantity and requirements related to working positions on the recruitment market of Quang Tri Province, radios and newspapers, etc. Because the operation of the plant requires skilful engineers and workers, hard working conditions so male is more appropriate for employment. Since publishing, no female has applied for these posts. Other positions like record keepers, accountants are in favor of female.</p> <p>Currently, 29% of the staff are women.<br/>(Please see <a href="#">File 8 Announcement.pdf</a>).</p>                                                                    |     |                                 |
| <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>During construction the project owner checked all contractors to make sure they meet the occupational health and safety regulations of Vietnam. Appropriated safety measures will be applied when the project starts operation.</p> <p>The inspection and supervision of construction site have been conducted regularly by the investor - Mai Linh Energy Joint Stock Company. This is not only to update the construction progress but also to ensure that contractors apply industrial safety and hygiene methods. It is required that the contractors must organize a safety staff on the construction site. If discovered that the contractors do not ensure a safe working environment, they will be suspended (see page 2 of <a href="#">File 9 Meeting Minutes.pdf</a>).</p> <p>The general Construction Contractor for</p> | low | No mitigation measure required. |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------|
|                                                                                                                                                                | <p>Lala hydropower project is LILAMA Joint Stock Company 45.3 under LILAMA Corporation. The Company has participated in construction, manufacture and installation of technological equipment for hundreds works nationwide. The Company sends staffs for occupational safety training regularly (Please see <a href="#">File 10 List of work safety trainees.pdf</a>). This matter is also one of requirement of Lala Owner.</p> <p>Vietnam has not had specific Law on Safety but regulations on occupational safety and hygiene are mentioned in the Law on Labour, Chapter 9 from Article 95 to Article 118.</p> <p>Please see <a href="#">File 6 Labour code.pdf</a></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>During the construction in the slopy sites soil erosion could happen. During the operation there is a risk that the dam could break. The project approach has taken these risks into consideration and all precautionary measures have been taken. The erosion will be checked regularly as well as the dam. Optional sediments in the reservoir will be dredged if the silt sewer cannot release the sedimentation.</p> <p>During construction: Sites soil erosion checking as well as safety checking activities are items to be reported and discussed in regular meetings between Contractors and Project Management Board.</p> <p>During operation: Checking Dam situation, water level, water quality, sediments in the reservoir as well as other socio-environment safety issues will be taken place and report to provincial Department of Resources and Environment.</p> | low | No mitigation measure required. |

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|                                                                                                                                                                                                                                                                                                                                                                | Please see <i>File 11 MoM of Constructor and PMB.pdf</i>                                                                                                                                                                                                                                                                                                                                                                                               |          |                                |
| 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) recognised as protected by traditional local communities | <p>The project is not located in a sensitive area. All legal permissions of the authorities for the construction are available as there are:</p> <ol style="list-style-type: none"> <li>1. Approval of the Pre-feasibility study (file 2)</li> <li>2. Approval of Basic Design (file 13)</li> <li>3. Approval of EIA (file 14)</li> <li>4. License on Surface water usage &amp; exploitation (file 15)</li> </ol> <p>(all references are attached)</p> | No risk  | No mitigation measure required |
| 11. The project does not involve and is not complicit in corruption.                                                                                                                                                                                                                                                                                           | <p>The project does not condone or support corruption. Vietnam ratified the UN Convention against Corruption on June 30, 2009, Vietnam will have the right to ask for assistance from other member countries in investigating and dealing with corruption cases with foreign elements.</p> <p><a href="http://english.vietnamnet.vn/politics/2009/07/856265/">http://english.vietnamnet.vn/politics/2009/07/856265/</a></p>                            | Low risk | No mitigation measure required |

### F.2. Sustainable Development matrix

[See Toolkit 2.4.2 and Toolkit Annex I]

Insert table in section C3 from your Stakeholder Consultation report (Sustainable Development matrix).

| Indicator | Mitigation measure | Relevance to achieving MDG | Chosen parameter and explanation | Preliminary score |
|-----------|--------------------|----------------------------|----------------------------------|-------------------|
|-----------|--------------------|----------------------------|----------------------------------|-------------------|

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| 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.mdgmonitor.org">www.mdgmonitor.org</a><br><br>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 ‘+’ |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1) Air quality                                      | Measures during construction phase such as low-emitting trucks, using of low sulfur content fuel(Chapter 4.1.1.2 of the EIA)   | MDG goal 7: Air Pollution and Qir Quality Management                                                                                                                                       | Compared to the whole lifetime of a hydropower plant the construction period is short (2 years). During construction there are air pollution through the use of incineration engines and due to stone breaking and digging of soil<br><br>La La Hydropower plant is very small and the construction impacts are minimal concerning air pollution (very little earth moving works) . During the production phase (30 years or more) the hydropower plant does not release any air pollution except some emissions of cars or motorbike of the staff.<br>During construction phase | 0                                                                                                                                                                                         |

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|---------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|                                       |                                                                |                                                                              | pollutants from traffic and excavation can be SO <sub>2</sub> /NO <sub>x</sub> /VOC/PB/particles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |
| <b>(2) Water quality and quantity</b> | A minimum ecological flows is maintained                       | The MDG goal affected is:<br>7.5 Proportion of total water resource used     | <p><i>Chosen parameter:</i> amount of minimal water flow - no impacts to habitats and animals in the sensitive river section (EIA, chapter, does not mention impacts).</p> <p>Explanations: To protect the fishes and the habitats in the sensitive zone of the river between dam and water release after the turbine to La La river demands a minimal water flow according to the water use license (see file 15). The minimum water flow will be kept to a permanent open valve of the sedimentation culvert which is inserted at the base of the dam. The permanent opening of this valve will be monitored. in order to guarantee the minimal flow.</p> <p>The quality of water will be measured annually by a 3rd party at different places in the project area.</p> | 0 |
| <b>(3) Soil condition</b>             | A tree planting plan has been prepared to prevent soil erosion | The MDG goal (positively) affected is:<br>7.1: percentage of forest coverage | <p><i>Chosen parameter:</i> Currently there is no visible soil erosions in the dam area. The land use is minimal (see picture below) for the dam.</p> <p>There is danger of soil contamination through lubricants during the construction.</p> <p>Measures against are taken (Chapter 4, EIA).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | + |

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|                             |                                     |                                                                                     |  <p><i>Explanation.</i></p> <p>The project owner already started tree planting activities (see picture above and see file 21) in order to prevent the slopy hills from erosion. With trees and a dense vegetation which covers the soil between the trees, the erosions will be reduced compared to agricultural activities in the baseline scenario.</p>                                                                                                                                            |   |
| <b>(4) Other pollutants</b> | Noise during the construction phase | MDG goal 7A: Air Pollution and Qir Quality Management (noise pollution and control) | <p>During the construction of the hydropower plant there are noise pollution through traffic earth moving works (see table 3.2, EIA). The biggest earth moving work is the construction of the dam which is around 2 km far away from residential area. The noise impact for the neighbors is therefore not serious.</p> <p>In order to reduce noise pollution during the construction period only vehicles and equipment, which meet the standards are allowed to be used. Vehicles and construction equipment must have permit or Register Agency on technical and environmental</p> | 0 |

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|  |  |  | <p>safety (in which permissive noise level is regulated). During construction phase, noisy work such as exploiting rock, earth should not be carried out during break and rest time (noon and evening) to prevent health effect on workers and local people (EIA, page 58). During the project activity - electricity production - there is no noise pollution.</p> <p>Blasting work during construction had to be carried out according to a plan for blasting work (see File 18). Furthermore, the construction company carried out blasting work needed a passport for blasting (see file 20) and a license for using industrial blasting materials (see file 19). In this license the blasting location, time, type of blasting material, method and responsibilities are mentioned. During blasting security staff had to ensure that nobody could enter the area.</p> <p>The impact of the blasting was controlled through DONRE of Quang Tri Province. All test results of the chemical and also noise analyses have been meeting the Vietnamese standards.</p> |  |
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|  |  |  | <p>Expropriation of Land<br/>The compensation of the people for lost of land was completed in May 2009.</p> <p>The compensation process was implemented based on the following decisions:</p> <ul style="list-style-type: none"> <li>• Decision No 1658/QĐ – UBND dated 28/8/2008 by PC of Quang Tri province on approving expenditure of compensation, support for La La Hydropower project, Tan Lap commune, Huong Hoa district, Quang Tri province. (File 25 )</li> <li>• Decision No 121/QĐ – UBND dated 20 Jan 2009 by PC of Quang Tri province on approving additional expenditure of compensation, support. (File 26)</li> </ul> <p>Based on these decisions 130 households had to be compensated for the loss of farmland. The total compensation cost paid was 4,577 million VND.</p> <p>When Mai Linh completed this compensation payment the company got based on a land use contract (file 27) the land use right for the next 50 years (See Land use right – File 29)</p> <p>The land of the project area</p> |  |
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|-------------------------|-------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|                         |                                           |                                                                              | is slopy and not of high agricultural value. The compensation was made according to Vietnamese regulations and it was supervised through an independent compensation board where impacted people and authorities were integrated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |
| <b>(5) Biodiversity</b> | Afforestation program in the project area | The MDG goal (positively) affected is:<br>7.1: percentage of forest coverage | <p><i>Chosen parameter:</i> Total tree planting area</p> <p><i>Explanation:</i> Trees together with a dense vegetation which covers the soil will also have a positive impact on the general biodiversity. The biodiversity will be improved compared to the agricultural activities in the baseline scenario (coffee, banana, pepper). Habitats and animal population in the reservoir area might be different than in the baseline scenario. This must not impact the biodiversity (= total amount of species and genes) but could be a change of ecosystem in the project area. However, based on the available documents it cannot be proofed that the biodiversity will be higher than before, but also impacts cannot be figured out. Thus this section was scored with neutral.</p> <p>Behind the dam a minimal</p> | 0 |

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|                                   |                                                                                                                                                       |                                                                                                  | flow will be kept through an culvert in the base of the dam body. Through this opening fishes can migrate. Thus the biodiversity in the river shall not be influenced through the dam. The culvert has a valve. For keeping the minimal water flow this valve will be permanently open.                                                                                                                                                                                                         |   |
| <b>(6) Quality of employment</b>  | Mai Linh will employ local people to work in La La HPP. Those staffs will be trained and received labour contract according to the Vietnam labour law | The MDG goal (positively) affected is:<br>1.5 Employment-to-population ratio                     | <p><i>Chosen parameter:</i> Number of certificates issued and labor contracts</p> <p><i>Explanation:</i> The project owner offered to all people losing agricultural land a job. Some of them are working in the construction of the plant, others are employed for running the hydropower plant. The workers for the hydropower plant are trained in other hydropower plants. All workers will receive a contract, including social insurance and a salary above the minimal salary level.</p> | + |
| <b>(7) Livelihood of the poor</b> | Not applicable                                                                                                                                        | The MDG goal (positively) affected is:<br>1.5 Employment-to-population ratio / poverty reduction | <p><i>Chosen parameter according to Annex I:</i></p> <ul style="list-style-type: none"> <li>- poverty reduction</li> <li>- access to health care, sanitation and food</li> <li>- prevention of natural diseases and long-term changes</li> </ul> <p><i>Explanation:</i> The La La hydropower project is a micro-scale (according to latest UNFCCC definition) project</p>                                                                                                                       | 0 |

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|                                                           |                                                                                                    |                                                                                                                                                                                         | with very limited impacts on the social life in the project area. Thus this project has no influence on high level parameters mentioned above. The limited number of new permanent jobs will neither alter the general poverty or gender situation in the project area nor create more access to health care, sanitation or food. Thus the indicator is selected                                                                                                          |          |
| <b>(8) Access to affordable and clean energy services</b> | Not applicable                                                                                     | Relevant Millennium Development Goal:<br>7.A: Integrate the principles of sustainable development into country policies and programmes and reverse the loss of environmental resources. | <i>Chosen parameter:</i><br>Amount of kWh supplied to the grid and to the neighborhood.<br><i>Explanation:</i> Part of the electricity produced for the internal consumption (0.98% of total production) will be supplied to the neighborhood of the project. This activity will increase amount of people who have access to environmental friendly and cheaper electricity. (EIA (file 30) chapter 3.3.3). Because the effect is very limited the score was selected 0. | <b>0</b> |
| <b>(9) Human and institutional capacity</b>               | "...support activities to change jobs, including: Priority for human of households who are affect- | Relevant Millennium Development Goal:<br>1.B. Achieve full and productive employment and decent work for all, including woman and young people.                                         | <i>Chosen parameter according to Annex-I:</i><br>1) Access to primary, secondary and tertiary schooling combined with affordability and quality of education.<br>2) Gender equity<br>3) Changes of empowerment (= changes in social structures).                                                                                                                                                                                                                          | <b>0</b> |

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|                                                           | ed by the projects..." (details see EIA, Chapter, 4.1.1.4) |                                                                                      | <p><i>Explanation:</i></p> <p>La La hydropower plant is a very small project and therefore the social impact of the project activity is very limited. The selected indicators according to Annex-I of GS refer to essential social changes in the field of education, power and gender equity. Therefore, this sustainability indicator is chosen as neutral.</p>                                                                                                                                                                                                                                                                                                                                                                      |   |
| <b>(10) Quantitative employment and income generation</b> |                                                            | <p>The MDG goal (positively) affected is:<br/>1.5 Employment-to-population ratio</p> | <p><i>Chosen parameter:</i> Number of jobs due to the project activity and salary level</p> <p><i>Explanation:</i> The project activity is situated in a rural region of Vietnam where the local population (minorities) has less employment opportunities and is on average poorer than inhabitants of urban regions of Vietnam. Thus the project is contributing to improve the labor situation and generates income for the staff and for the communities.</p> <p>During the construction the project is creating 331 additional jobs (file 33), during the operational phase 18 new working place (File 32, chapter 1, page 6): 1 monitor officer, 12 technicians from the electricity - mechanical and construction sector, 5</p> | + |

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|                                                |                |                                                                                                                                                                                                              | <p>supporting staff (e.g. accountant, driver, medical staff, guard).</p> <p>With the EIA (see file 30 chapter 4) the investor committed to employ first affected people who lost land. Furthermore, the investor will build up an eco-tourist area in the Lang Vay historical village (nearby place with a tank from the American war) in order to create new jobs and income.</p> <p>In addition the investor guarantee a free of charge labor export service to help people in the affected areas (investor is part of big company agglomerate).</p> <p>The jobs are not connected to any gender - means that both genders have access to the new created jobs.</p> <p>The created permanent jobs and the salary levels shall be monitored.</p> |   |
| <b>(11) Balance of payments and investment</b> | Not applicable | Relevant Millennium Development Goal: 8D: Deal comprehensively with the debt problems of developing countries through national and international measures in order to make debt sustainable in the long term | <p><i>Chosen parameter:</i></p> <p>The quantity of coal replaced (around 7,750 tons of coal per year) by renewable energy.</p> <p><i>Explanation:</i> Vietnam has large reserves of coal and is an exporter of coal at the moment. However, the country is expected to import coal as of the year 2012 due to increased demand. The pro-</p>                                                                                                                                                                                                                                                                                                                                                                                                      | + |

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|                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                | ject activity will therefore contribute to a more sustainable trade balance of Vietnam.                                                                                                                                                                                                                                       |   |
| <b>(12) Technology transfer and technological self-reliance</b>       | Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Not applicable | <p><i>Chosen parameter:</i> Number of trainings and site visits organized for outside people</p> <p><i>Explanation:</i> The project can contribute to technological self-reliance through site visits and trainings of outside people. During these events the participants can learn about new technology and use of it.</p> | + |
| <b>Justification choices, data source and provision of references</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                                                                                                                                                                                                                                                                                                                               |   |
| <b>Air quality</b>                                                    | <p>The air pollution during the construction phase is insignificant compared to the improvement of the air quality through the hydropower during the whole lifetime (compared to a fossil fuelled power plant). The earth moving work and the concrete consumption for dam, conveyance channels, penstock and powerhouse are limited because of the small size of the hydropower plant. Thus the air quality impacts have been assessed as low (see also EIA, file 30, chapter 3)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                                                                                                                                                                                                                                                                                                                               |   |
| <b>Water quality and quantity</b>                                     | <p>The project does not impact the water quality. The vegetation in the reservoir area will be cleared before flooding. That means no organic matter will anaerobic digested in the reservoir. In fact the reservoir area is very limited and there are only few trees to be cut.</p> <p>The water regime will not be changed in the La La river because the reservoir is very small and is refilled 2.5 times per day with an average daily flow of the river. In the sensitive river section between dam and before the water is flowing back from the turbines a minimum flow will be guaranteed according to the water use license (see file 15). It will be checked regularly that there is no impact in this river section during all seasons. The other sections of the river are not impacted at all. Based on the annual average of 2.75 m<sup>3</sup>/s and on different reports found on Internet (e.g. <a href="http://birdlifeindochina.org/birdlife/.../report4.pdf">birdlifeindochina.org/birdlife/.../report4.pdf</a>) it is guessed that the minimum natural flow during dry season (April to September with around 15% of total annual precipitation) is not bigger or even less than the defined remaining flow of 0.3 m<sup>3</sup>/s (see file 15, page 2). Thus it is even natural that in the critical sector between dam and outlet from the powerhouse (2.4 km) the lowest water flow is not more than 0.3 m<sup>3</sup>/s and thus the habitat for fishes and other</p> |                |                                                                                                                                                                                                                                                                                                                               |   |

## GOLD STANDARD PASSPORT

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|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | <p>animals are limited to this natural flow. The minimum water flow mentioned in the water license will be guaranteed through an open valve in the sedimentation culvert which is integrated in the base of the dam body.</p> <p>Sources:<br/>FSR, file 32, chapter 1 / , EIA; file 30, chapter 1 / water license file 15</p>                                                                                                                                                                                                                                                                                                           |
| <b>Soil condition</b>        | <p>Soil which is covered does not erode. Therefore, the selected parameter was the afforestation of the project site, especially around the new constructions such as dam and channels. Thus it is a long-term parameter which can be controlled easily.</p> <p>The construction work also impacts the soil conditions. But after the construction the places must be cleaned with all kinds of waste according to the EIA report. This cleaning will be checked. But this is not a good parameter for the sustainability in a long-term view. Therefore, it was not selected.</p> <p>(Source: project EIA report: chapter 3 and 4)</p> |
| <b>Other pollutants</b>      | <p>Noise pollution occurs during the construction phase - not during operation of the hydropower plant. The distance of the noise sources to residential area is over 2 km and thus the impact of the noise due to construction is not big (EIA, Doc 2, chapter 3).</p> <p>Blasting activities: Blasting is an activity during the construction. All blasting works have been finished. (Source: Blasting plan, Blasting passport and license for using blasting material, see files 18-20)</p>                                                                                                                                         |
| <b>Biodiversity</b>          | <p>In order to prevent the risk of erosion a tree planting plan has been prepared. This afforestation combined with a good soil cover will also have a positive impact on the general biodiversity. This fact was also mentioned to the participants during the stakeholder consulting meeting.</p> <p>The new small reservoir could be also habitats for new species because the water is not flowing as quickly as in the river. That could be another positive side-effect of this hydropower project.</p> <p>(Source: project EIA report (file 30), chapter 3 and 4 / File 21, tree planting plan)</p>                              |
| <b>Quality of employment</b> | <p>18 people will be employed for operating the project. All workers will be trained in other hydropower plants. They will be contracted including social insurance and the salary will be higher than the base salary level according to the Vietnam labour law. That the project is creating new challenging jobs got good feedbacks during the stakeholder-consulting meeting.</p> <p>(Source: Certifications and contract will be provided by Mai Linh JSC, reference: employment contracts file 34).</p>                                                                                                                           |

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|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Livelihood of the poor</b>                              | <p>The project is too small to improve sanitation, the access to health care or to more and better food. Even if there is a limited number of new created jobs this project cannot change the general poverty in this area. The social impact of the project is limited to some individuals - to the new permanent staff of the hydropower plant. It might be that this project has some trigger effects for more industrial projects in the area. But this would be an unintended impact (see Annex - I) and not related to the project services.</p> <p>Some stakeholders mentioned their expectation concerning this indicator (Source: comments during stakeholder meeting, see SCR).</p> |
| <b>Access to affordable and clean energy services</b>      | <p>The electricity generated by the project will be supplied to the national grid and will replace electricity generated with fossil fuels. The project increases the clean energy of the national network. With the insecurity of the coal prices hydropower plants will supply in a long-term more affordable electricity than fossil fuelled plants.</p>                                                                                                                                                                                                                                                                                                                                   |
| <b>Human and institutional capacity</b>                    | <p>On an individual level the project will increase know-how and awareness in different aspects. According to the sustainability definition in annex - I of the GS documentation the project is far to small to impact education systems, gender and power situation in the project area.</p> <p>Some of the stakeholders were hoping that the project will improve the life in this aspect. (Source: stakeholders meeting, see SCR).</p>                                                                                                                                                                                                                                                     |
| <b>Quantitative employment and income generation</b>       | <p>New jobs are the best parameter to quantitative employments combined with income generation.</p> <p>During the construction time around 330 people of the vicinity of the project are employed. For running the hydropower plant around 18 new jobs have been created. Participants in the stakeholder-consultation-meeting gave very positive feedbacks about these new jobs. Apart of the number of permanent new jobs also the salary level shall be compared with common salaries in this area. ds</p> <p>(Source: see SCR).</p>                                                                                                                                                       |
| <b>Balance of payments and investment</b>                  | <p>Electricity generation from renewable hydrologic resources substitutes the electricity generated through fossil fuels. The project contributes in the decrease of fossil fuel consumption and therefore reduces the dependence of the importation of fossil fuels (will effect the national economy).</p> <p>The project will reduce 6,905 tCO<sub>2</sub>/yr which is equivalent to around 2'500 tons of coal per year. (calculation based on the FSR, file 32)</p>                                                                                                                                                                                                                       |
| <b>Technology transfer and technological self-reliance</b> | <p>Number of trainings and site visits for outside people is a good parameter for measuring the technological self-reliance. It is the first hydropower plant in this area. Therefore, the know-how how to construct and install the plant as well as how to run a hydropower plant is an important impact of this project.</p>                                                                                                                                                                                                                                                                                                                                                               |

# GOLD STANDARD PASSPORT

## SECTION G. Sustainability Monitoring Plan

[See Toolkit 2.4.3 and Toolkit Annex I]

According to GS guidelines all non-neutral indicators, all mitigation measures from the do not harm assessment and mitigation measures mentioned in the EIA shall be monitored.

|                                |                                                                                                                                                                                                                                                                                  |                                                                 |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| No                             | 1                                                                                                                                                                                                                                                                                |                                                                 |
| Indicator                      | Air quality                                                                                                                                                                                                                                                                      |                                                                 |
| Mitigation measure             | In the construction period there are air pollution due to equipment use, additional traffic and due to construction dust. The roads during construction had been watered to avoid dust. Furthermore only registered vehicles have been allowed to use for construction purposes. |                                                                 |
| Chosen parameter               | Air concentration for dust, SO <sub>2</sub> , CO, NO <sub>2</sub> must be measured annually during construction as well as during project activity time. Furthermore, noise emissions have to be measured during this assessment.                                                |                                                                 |
| Current situation of parameter | Baseline situation: the parameter was not measured.                                                                                                                                                                                                                              |                                                                 |
| Future target for parameter    | Measuring annually. The measured values must meet the legal standards of Vietnam.                                                                                                                                                                                                |                                                                 |
| Way of monitoring              | How                                                                                                                                                                                                                                                                              | Air pollution measurements and noise measurements of 3rd party. |
|                                | When                                                                                                                                                                                                                                                                             | Once per year                                                   |
|                                | By Who                                                                                                                                                                                                                                                                           | External laboratory                                             |

|                    |                                                                                                                                                                                                                                                                                              |  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| No                 | 2                                                                                                                                                                                                                                                                                            |  |
| Indicator          | Water quality and quantity                                                                                                                                                                                                                                                                   |  |
| Mitigation measure | <p>The water quality in the project area (up-stream reservoir area, reservoir, at dam site and after dam) must be controlled by third party annually.</p> <p>The stable flow in the riverbed after the dam will be secured to a permanent open space in the dam body.(see picture below)</p> |  |

## GOLD STANDARD PASSPORT

|                                |        |                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |        |                                                                                                                                                                                                                                                       |
| Chosen parameter               |        | <p><b>Water quality:</b> Annually analysis of:<br/>pH, DO, TSS, BOD, COD, N, P, Cu, Zn, Pb, Cd and mineral oil content (at 4 sites, see above)</p> <p><b>Water quantity:</b> minimal flow (0.3 m<sup>3</sup>/s according to file 15) during the whole year secured.</p>                                                                 |
| Current situation of parameter |        | <p>Baseline situation impact of the surrounding area on the water quality of La La river was not measured.</p> <p>The natural water flow in the driest months of the year are even below the minimum water flow of 0.3 m<sup>3</sup>/s as requested in the surface water using license (see file 15)</p>                                |
| Future target for parameter    |        | <p>Quality: must meet VN standards</p> <p>Quantity: ≥ 0.3 m<sup>3</sup>/s permanent flow after dam according to the surface water using license (file 9).</p>                                                                                                                                                                           |
| Way of monitoring              | How    | <p>Quality: analysis through 3rd party</p> <p>Quantity: proof of permanent opening in the dam body with release of minimal flow of ≥ 0.3 m<sup>3</sup>/s through a construction measure. The project owner has to report to MONRE about the water inflow to the reservoir and the flow after dam and after powerhouse (see file 9).</p> |
|                                | When   | <p>Quality: annually</p> <p>Quantity: permanent open hole (proof of construction measure; annual report for the attention of MONRE - submitted before December 15 of each year.</p>                                                                                                                                                     |
|                                | By Who | <p>Quality: External laboratory.</p> <p>Quantity through project owner</p>                                                                                                                                                                                                                                                              |

## GOLD STANDARD PASSPORT

|                                |        |                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No                             |        | 3                                                                                                                                                                                                                                                                                                                                                                 |
| Indicator                      |        | Soil Condition Tree planting / lubricants in soil / Erosion                                                                                                                                                                                                                                                                                                       |
| Mitigation measure             |        | A tree planting plan has been prepared to prevent soil erosion                                                                                                                                                                                                                                                                                                    |
| Chosen parameter               |        | Annual planted tree area for preventing soil erosion / contaminated soil through lubricants in the project area after construction                                                                                                                                                                                                                                |
| Current situation of parameter |        | Baseline situation. The project owner already started to make the afforestation within the construction area of the dam.                                                                                                                                                                                                                                          |
| Future target for parameter    |        | Planting trees around reservoir and hydropower plant areas (m <sup>2</sup> ) / no visible soil contamination through lubricants / no visible soil erosion through project activity                                                                                                                                                                                |
| Way of monitoring              | How    | Visual soil erosion in the dam and reservoir area (proof with pictures).<br>Lubricants in soil through construction: organoleptical monitoring after construction. If the soil is visible and olfactory contaminated, the soil must be analysed on hydrocarbons and measures must be taken according to Vietnamese law.<br>Tree planting see indicator No 4 below |
|                                | When   | yearly for soil erosion<br>lubricants in soil: organoleptical control after termination of the construction activities.                                                                                                                                                                                                                                           |
|                                | By Who | Soil erosion: Staff of Mai Linh Energy JSC<br>Lubricants: project owner - confirmation by the local authorities.                                                                                                                                                                                                                                                  |

|                                |                                                                                                                                                                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No                             | 4                                                                                                                                                                                                                                                          |
| Indicator                      | Biodiversity (Trees and Fish population)                                                                                                                                                                                                                   |
| Mitigation measure             | Tree planting plan in La La HPP prepared by Mai Linh Energy JSC. With the tree planting the agricultural activity will be stopped and new plants will start to growth in this area.<br>Open valve system at dam for minimal water flow and fish migration. |
| Chosen parameter               | Total tree planting area according to tree planting plan (see file 21)<br>Fish species up- and downstream area of the dam                                                                                                                                  |
| Current situation of parameter | Construction places. In the baseline scenario the land was used for banana, coffee and pepper cultivations. There was not much biodiversity in the project area.                                                                                           |

## GOLD STANDARD PASSPORT

|                             |        |                                                                                                                                                                                    |
|-----------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                             |        | In the baseline situation (without dam) the fishes could migrate more or less freely (at dam site there was a waterfall - thus not all species could move upwards.)                |
| Future target for parameter |        | Planting trees around reservoir and hydropower plant areas total 5 ha within 7 years (2009 - 2015)<br>Main fish species should be found in the up- and downstream area of the dam. |
| Way of monitoring           | How    | Total cover area (m <sup>2</sup> )<br>assessment of fish species up- and downstream of the dam                                                                                     |
|                             | When   | yearly                                                                                                                                                                             |
|                             | By Who | Tree planting: Staff of Mai Linh Energy JSC/CDM consultant<br>Fish migration: 3rd party                                                                                            |

|                                |        |                                                                                                                                                        |
|--------------------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| No                             |        | 5                                                                                                                                                      |
| Indicator                      |        | Quality of employment                                                                                                                                  |
| Mitigation measure             |        | Mai Linh will employed local people to work in Lala HPP. Those staffs will be trained and received labour contract according to the Vietnam labour law |
| Chosen parameter               |        | Number of certificates issued and labour contracts                                                                                                     |
| Current situation of parameter |        | Currently the recruited people are trained in other companies how to operate a hydropower plant.                                                       |
| Future target for parameter    |        | 18 recruited people will be trained to operation hydro-power plant                                                                                     |
| Way of monitoring              | How    | Certificates issued                                                                                                                                    |
|                                | When   | Controlled annually                                                                                                                                    |
|                                | By Who | Staff of Mai Linh Energy JSC                                                                                                                           |

|                                |  |                                                                                                                                                    |
|--------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------|
| No                             |  | 6                                                                                                                                                  |
| Indicator                      |  | Quantitative employment and income generation                                                                                                      |
| Mitigation measure             |  | Mai Linh will employed local people to work in Lala HPP. Those staffs will be trained and received labor contract following the Vietnam labor law. |
| Chosen parameter               |  | Number of local workers and labor contracts and salary level of the employed staff - ratio between the genders                                     |
| Current situation of parameter |  | none                                                                                                                                               |
| Future target for parameter    |  | 18 people during operation stage is planned to be employed                                                                                         |

## GOLD STANDARD PASSPORT

|                   |        |                                                                                               |
|-------------------|--------|-----------------------------------------------------------------------------------------------|
| Way of monitoring | How    | Labor contracts and annually assessment of the salary level, number of employed women vs. men |
|                   | When   | Annually assessment                                                                           |
|                   | By Who | Staff of project owner and CDM /GS consultant                                                 |

|                                |                                                                                                                   |                                                                                                                                                                                                                                         |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No                             | 7                                                                                                                 |                                                                                                                                                                                                                                         |
| Indicator                      | Balance of payments and investment                                                                                |                                                                                                                                                                                                                                         |
| Mitigation measure             | NA                                                                                                                |                                                                                                                                                                                                                                         |
| Chosen parameter               | Saving for reduced coal importation per year                                                                      |                                                                                                                                                                                                                                         |
| Current situation of parameter | none                                                                                                              |                                                                                                                                                                                                                                         |
| Future target for parameter    | according to the projected energy production it is estimated that around 7,750 tons of coal will be imported less |                                                                                                                                                                                                                                         |
| Way of monitoring              | How                                                                                                               | Total electricity generated in MWh multiplied with 0.641 t coal/MWh (average consumption according to the calculation of the CM in the PDD of coal thermal power plants) multiplied with the average coal price of the monitored period |
|                                | When                                                                                                              | yearly                                                                                                                                                                                                                                  |
|                                | By Who                                                                                                            | Staff of Mai Linh Energy JSC / CDM consultant                                                                                                                                                                                           |

|                                |                                                              |                                                            |
|--------------------------------|--------------------------------------------------------------|------------------------------------------------------------|
| No                             | 8                                                            |                                                            |
| Indicator                      | Technology transfer and technological self-reliance          |                                                            |
| Mitigation measure             | NA                                                           |                                                            |
| Chosen parameter               | Number of trainings and site visits for guests and outsiders |                                                            |
| Current situation of parameter | none                                                         |                                                            |
| Future target for parameter    | each year at least 3 delegations                             |                                                            |
| Way of monitoring              | How                                                          | Number of trainings or site visits organized for outsiders |
|                                | When                                                         | annually                                                   |
|                                | By Who                                                       | Staff of Mai Linh Energy JSC                               |

|                                |                                                                                                          |                      |
|--------------------------------|----------------------------------------------------------------------------------------------------------|----------------------|
| No                             | 9                                                                                                        |                      |
| Indicator                      | Other pollutants (including blasting)                                                                    |                      |
| Mitigation measure             | The noise during construction phase shall be minimised through use of registered vehicles and equipment. |                      |
| Chosen parameter               | Noise measurement during construction.                                                                   |                      |
| Current situation of parameter | natural area with natural noise level in the baseline situation.                                         |                      |
| Future target for parameter    | The noise level shall meet VN law                                                                        |                      |
| Way of monitoring              | How                                                                                                      | Way of monitoring    |
|                                | When                                                                                                     | Annually             |
|                                | By Who                                                                                                   | external laboratory. |

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|                                |        |                                                                                                            |
|--------------------------------|--------|------------------------------------------------------------------------------------------------------------|
| No                             |        | 10                                                                                                         |
| Indicator                      |        | Other pollutants: compensation procedure                                                                   |
| Mitigation measure             |        | The expropriation is made according to Vietnamese law and according to the licenses for the project        |
| Chosen parameter               |        | all compensations are made according to law                                                                |
| Current situation of parameter |        | compensation process is terminated and land use right was issued.                                          |
| Future target for parameter    |        | -                                                                                                          |
| Way of monitoring              | How    | Control of all available documents for the compensation, interview with the responsible people's committee |
|                                | When   | After finishing of the construction.                                                                       |
|                                | By Who | Project owner                                                                                              |

### Additional remarks monitoring

The monitoring of the emission reduction is defined in the PDD which is enclosed to this document.

## SECTION H. Additionality and conservativeness



This section is only applicable if the section on additionality and/or your choice of baseline does not follow Gold Standard guidance

### H.1. Additionality

The additionality follows the guidelines of UNFCCC concerning CDM projects and it is demonstrated in the PDD.

Actually (Mai 2012), the project would also be eligible for the reduced UNFCCC guidelines for "Demonstrating Additionality of Microscale Project Activities" according to EB 60 (La La is Hydropower is less than 5MW in-built capacity and Quang Tri Province is belonging to a special underdeveloped zone of Vietnam).

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## H.2. Conservativeness

[See Toolkit 2.2]

The emission reduction is based on the latest version of the small scale methodologies of UNFCCC. The following methodology has been used:

AMS-I.D. "Grid Connected Renewable Electricity Generation", Version 16

If UNFCCC will release new versions of the methodologies using more conservative factors, the volume of the emission reduction under GS will be adjusted accordingly.

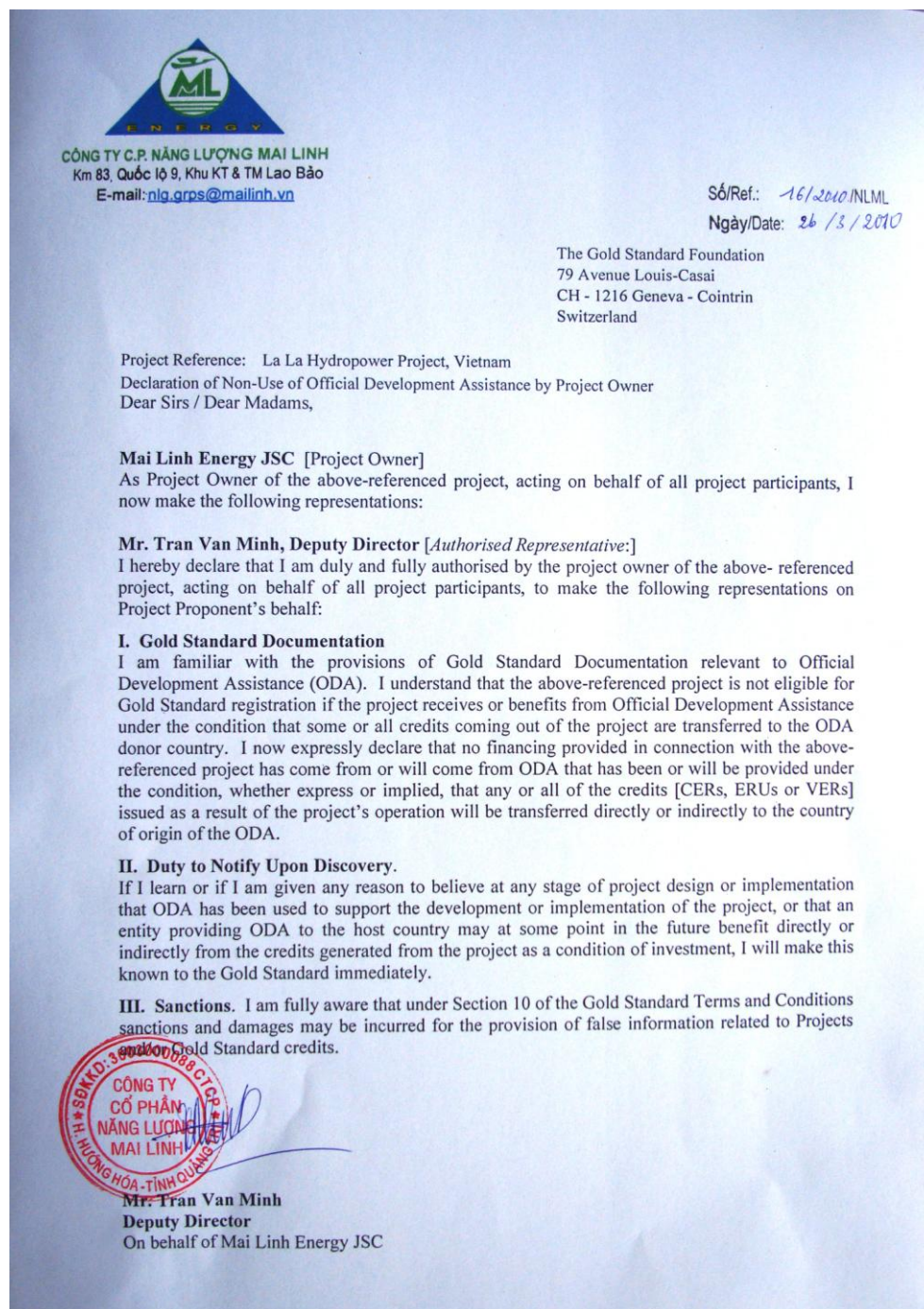
# GOLD STANDARD PASSPORT

## ANNEX 1 ODA declaration

### [See Toolkit Annex D]

There is no Official Development Assistance (ODA) in this project and the project will not receive any public funding from Parties included in Annex I.

Below the signed declaration of the Project Owner.



**CÔNG TY C.P. NĂNG LƯỢNG MAI LINH**  
Km 83, Quốc lộ 9, Khu KT & TM Lao Bảo  
E-mail: nlg.grps@mailinh.vn

Số/Ref.: 16/2010/NLML  
Ngày/Date: 26/3/2010

The Gold Standard Foundation  
79 Avenue Louis-Casai  
CH - 1216 Geneva - Cointrin  
Switzerland

Project Reference: La La Hydropower Project, Vietnam  
Declaration of Non-Use of Official Development Assistance by Project Owner  
Dear Sirs / Dear Madams,

**Mai Linh Energy JSC** [Project Owner]  
As Project Owner of the above-referenced project, acting on behalf of all project participants, I now make the following representations:

**Mr. Tran Van Minh, Deputy Director** [Authorised Representative:]  
I hereby declare that I am duly and fully authorised by the project owner of the above- referenced project, acting on behalf of all project participants, to make the following representations on Project Proponent's behalf:

**I. Gold Standard Documentation**  
I am familiar with the provisions of Gold Standard Documentation relevant to Official Development Assistance (ODA). I understand that the above-referenced project is not eligible for Gold Standard registration if the project receives or benefits from Official Development Assistance under the condition that some or all credits coming out of the project are transferred to the ODA donor country. I now expressly declare that no financing provided in connection with the above-referenced project has come from or will come from ODA that has been or will be provided under the condition, whether express or implied, that any or all of the credits [CERs, ERUs or VERs] issued as a result of the project's operation will be transferred directly or indirectly to the country of origin of the ODA.

**II. Duty to Notify Upon Discovery.**  
If I learn or if I am given any reason to believe at any stage of project design or implementation that ODA has been used to support the development or implementation of the project, or that an entity providing ODA to the host country may at some point in the future benefit directly or indirectly from the credits generated from the project as a condition of investment, I will make this known to the Gold Standard immediately.

**III. Sanctions.** I am fully aware that under Section 10 of the Gold Standard Terms and Conditions sanctions and damages may be incurred for the provision of false information related to Projects and/or Gold Standard credits.

**Mr. Tran Van Minh**  
Deputy Director  
On behalf of Mai Linh Energy JSC

# GOLD STANDARD PASSPORT

## ANNEX 2 Reference List - Submitted Documents to DOE

- |         |                                                                                                                                                                                                                            |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| File 1  | Confirmation letter concerning cultural goods in the project site to Department of Industry. Department of Culture and Information, historic vestiges - nature beauty management board. August 3, 2006. EN and VN version. |
| File 2  | Meeting minutes between project owner and construction company about the construction of La La, August 3, 2006                                                                                                             |
| File 3  | Decision 429 concerning masterplan of small hydropower plant in Quang Tri Province, Vietnam. People's Committee of Quang Tri Province, March 6, 2008, EN and VN version.                                                   |
| File 4  | Minute of ILO of the 300th session concerning ratifications of fundamental conventions. Geneva, November 2007                                                                                                              |
| File 5  | Minute of ILO of the 303th session concerning ratifications of fundamental conventions. Geneva, November 2008                                                                                                              |
| File 6  | Labour Code of the Socialist Republic of Vietnam, Law, amended and supplemented by the National Assembly, 2002.                                                                                                            |
| File 7  | Response and comments of the Social Republic of Vietnam concerning the report about Human Rights in Vietnam made through the Council Working Group of Human Rights. May 8, 2009                                            |
| File 8  | Announcement of Labor Recruitment. Mai Linh Energy JSC. January 15, 2008. EN and VN version.                                                                                                                               |
| File 9  | Meeting Minute between Mai Linh Energy JSC and the construction company (DNC) concerning construction procedure and workplace safety. August 10, 2010. EN and VN version.                                                  |
| File 10 | List of participants for the training of occupational safety and health, LYLAMA JSC. Quang Ngai, February 2011. EN and VN version.                                                                                         |
| File 11 | Meeting Minute between Mai Linh Energy JSC and the construction company (DNC) concerning construction procedure and workplace safety. September 27, 2010. EN and VN version.                                               |
| File 12 | Approval of feasibility study for La La Hydropower Project. People's Committee Quang Tri Province. October 2005.                                                                                                           |

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|         |                                                                                                                                                             |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| File 13 | Approval of Basic Design of the La La Hydropower Plant. People's Committee of Quang Tri Province. March 12, 2008                                            |
| File 14 | EIA approval of the La La Hydropower Project. People's Committee of Quang Tri Province. February 4, 2008                                                    |
| File 15 | Usage and exploitation of surface water resources. Ministry of Natural Resources and Environment (MONRE). June 9, 2010.                                     |
| File 16 | Adjusted Investment Certificate for Mai Linh Energy JSC for La La Hydropower plant. People's Committee Quang Tri Province. June 2009.                       |
| File 18 | Blasting Plan for La La Hydropower Plant. People's Committee of Cam Lo District. June 2010.                                                                 |
| File 19 | License for using of blasting material for the construction of La La hydropower plant. People's Committee of Quang Tri Province. July 5, 2010.              |
| File 20 | Blasting Passport for La La hydropower plant. KTD construction company. July 5, 2010.                                                                       |
| File 21 | Tree planting plan. Mai Linh Energy JSC. 2008                                                                                                               |
| File 22 | Confirmation of the use of surface water through the office of irrigation. People's Committee, of Quang Tri Province, office of irrigation. August 3, 2006. |
| File 23 | Annual Report about the Environment, La La Hydropower Plant. Mai Linh Energy JSC. 2011                                                                      |
| File 24 | Construction Drawings. Mai Linh Energy JSC. July 2007.                                                                                                      |
| File 25 | Approval of the compensation expenditure for La La hydropower project. People's Committee of Quang Tri Province. August 28, 2008. EN and VN version.        |
| File 26 | Approval of additional compensation expenditures for La La hydropower plant. People's Committee of Quang Tri Province, January 20, 2009. EN and VN version. |
| File 27 | Land lease contract between is Mai Linh and Hanh Phuc District. People's committee of Hanh Phuc. November 26, 2003.                                         |
| File 28 | Adjusted Investment Certificate for Mai Linh Energy JSC for La La Hydropower plant. People's Committee Quang Tri Province. June 2009. EN and VN version.    |

## GOLD STANDARD PASSPORT

- File 29      Land use right for Mai Linh Energy JSC for the La La hydropower plant. People's Committee Quang Tri Province, May 18, 2009.
  
- File 30      EIA for La La hydropower project. Environmental Consultant Centre for Monitoring and Technology of Quang Tri. January 2008. EN (partially) and VN version.
  
- File 31      Assessment of Fish Species in Quang Tri Province. October 2005.
  
- File 32      Investment project - Basic engineering design - Volume 1: Description, Phan Phan Hai, P.Q.H Hydro Power Consulting Ltd Company, 2007
  
- File 33      Organizational structure of the construction of the La La hydropower plant. Mai Linh Energy JSC.
  
- File 34      Labor contract templates for collective and individual agreements. Mai Linh Energy JSC. December 2010.
  
- File 35      Fact sheet: Culverts and Fish Passage. British Columbia Ministry of Transport. October 2000