

GOLD STANDARD PASSPORT

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Annex 1 ODA declarations



SECTION A. **Project Title**

Nam Hong Hydropower Project

Version: 1.0

Date of completion: 28/02/2011

SECTION B. Project description

The purpose of the project activity

The project's purpose is to generate hydroelectricity by installation of water turbines and generators from a clean and renewable source to supply to the national grid under a Power Purchase Agreement (PPA) signed with the Electricity Corporation of Vietnam (EVN). The project's installed capacity and estimated annual gross power generation is 16 MW and 63,020 MWh, respectively. The net electricity generated (with an estimated annual volume of 62,390 MWh) will be supplied to the national grid via a newly constructed transmission line which will connect between the plant and the transformer station.

Description of the project activity

The project activity involves the construction of two sub-hydropower plants, i.e. Nam Hong 1 hydropower plant and Nam Hong 2 hydropower plant. Each has installed capacity of 8 MW¹. The project activity is implemented on Nam Hong stream in Chieng Cong commune, Muong La district, Son La province, Vietnam. The main structure of each subhydropower plant includes dams, water intake, tunnel, pressurized well, penstock, power house and discharge channel.

Prior to the implementation of the project activity there is no power generation existing at the project location, Electricity in Vietnam is generated mainly from fossil fuel sources and is solely distributed to consumers via the unique national electricity grid.

The baseline scenario of the project activity is the same as the scenario existing prior to the start of implementation of the project activity.

The project activity will generate renewable power with negligible GHG emissions, which will displace part of the electricity otherwise supplied by fossil fuel fired power plants. The Nam Hong hydropower project involves the construction of two reservoirs with an area of 1.36 ha and 1 ha², respectively, the Nam Hong 1 power density of 588.2 W/m² and Nam Hong 2 power density of 800 W/m², accordingly. As the power density of each step hydropower plant is all above 10 W/m², GHG emissions from the reservoirs need not to be accounted in the project activity. Thus, this project activity generates GHG emission

¹ FSR, General Description, page 2.

² FSR, Environmental Impact Assessment Report, page 28



reductions up to a total expected CO₂ emission reduction of 251,726 tCO₂ over the first crediting period of 7 years.

The project's contributions to the sustainable development of the local area as well as the host country are as follows:

General contributions towards national sustainable development:

- In recent years, Vietnam has suffered a critical electricity shortage as a consequence of rapidly increasing demand and insufficient supply, thereby imposing negative impacts on economic growth as well as on daily lives of people. This project activity will be a contribution towards balancing the supply and demand gap. By exporting electricity directly to the national grid, it will help to reduce electricity losses across the national grid and to lessen the risks of cascading national grid collapse due to overload.
- Reducing reliance on exhaustible fossil fuel based power sources and also reducing the import of fuels for the purpose of power generation.
- Modern and highly efficient turbines and generators are being used in the project and the power transmission will be at high voltage to ensure low losses. The project will accelerate the deployment of renewable energy technologies in Vietnam.

Contributions towards local sustainable development:

a) Economic well-being

Once commissioning, this proposed project will increase the industrial share in the economic structure of Son La province – poor mountainous province in the Northwest of Vietnam. This proposed project will have a significant contribution to the state budget via annual taxes (i.e. corporate income tax³, resources tax⁴, CER tax⁵).

By supplying a stable electricity output, this project will facilitate the industrialisation process of the province and support economic development of local villages through fostering tourism, trade and services inside the province.

b) Social well-being

This project will contribute directly to improve the low-quality infrastructure systems of Chieng Cong commune. The commune is categorised as a very poor mountainous commune with scattered population, less developed and autarky agricultural economy. The project will upgrade and improve roads that then will be integrated into the traffic system of the communes. Besides, the project will construct newly 35kV and 110 kV transmission lines together with sub-hydropower plants, which will contribute to reduce electricity losses and improve the quality of electricity supplying in the regions.

The majority of local residents living in the project area are from the ethnic minorities like Mong and La Ha. They usually live in less favourable living conditions than those of Kinh

³ Law on Corporate Income Tax No.14/2008/QH12 dated 03 June 2008

⁴ Investment Law and Law on resources tax

⁵ Decision No.130/2007/QD-TTg dated 02 August 2007 of the Prime Minister on some mechanisms and financial policies for the projects invested in under the Clean Development Mechanism and Joint Circular No.58/2008/TTLT-BTC-BTN&MT dated 04 July 2008 of the Ministry of Natural Resources and Environment providing for the implementation of Decision No.130/2007/QD-TTg.



SECTION C. Proof of project eligibility

GOLD STANDARD PASSPORT

ethnic – the majority of population in Vietnam. Thus, the project will contribute to improve their living standard which will fill the gap in development between different ethnic groups in Vietnam.

 The communication system and clean water treatment serving for workers of the project during the both construction and operation phases will be shared with local people. Besides, the project activity will result in the employment of the local people for the construction and operation later on. Therefore, this project activity will contribute directly to alleviate poverty in the region.

This demonstrates that the project activity will contribute positively towards sustainable development and that it is consistent with the policies of the Government to encourage environment protection.

C.1. Scale of the Project		
Please tick where applicable:		
Project Type	Large	Small
	X	
C.2. Host Country		
The Socialist Republic of Vietnam		



C.3.	Project Type		
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Please tick where applicable:

Project type	Yes	No
Does your project activity classify as a Renewable Energy project?	Х	
Does your project activity classify as an End-use Energy Efficiency Improvement project?		Х

Please justify the eligibility of your project activity:

- The CDM GS large-scale project activity is in the Renewable Energy Supply category, (Type (i): Renewable Energy Supply Projects) and applies the large scale baseline and monitoring methodology ACM0002., version 12.1.0, "Consolidated baseline methodology for grid-connected electricity generation from renewable sources"
- ➤ The project involves emission reductions of CO₂ from hydro power generation with the total capacity of 16MW, which is below 20MW and therefore within the GS eligible Renewable Energy Supply project.
- > The project not using any ODA fundings as defined in the GS manual for Project Developers.
- ➤ Project also does not claim certificates from another Certification scheme other than GS, therefore no double counting occurs and thus it is eligible under the Gold Standard.

The project still maintains the minimum flow at the	
section behind the dam, which guarantees habitant	
quality, securing the minimum water depth for fish	
migration during the construction and operation	
The project owner shall conduct critical measures to	
provide sufficient transport capacity for sediments i.e.	
strengthening the tunnel roof, proper arrangement of	
construction structures, etc.	
The project does not affect the landscape. All lands	
temporarily occupied shall be returned, and the green	
cover will also be recovered.	
The implementation of the project slightly disturbs the	
adapted species; however, this effect is temporary,	
and ceases upon the project completion	
The project creates reservoirs with small surface	
area, therefore, flood plain ecosystems shall not be	
endangered	



Hydropeaking	This is small-scale project according to host country	
	regulation. It does not change the natural water flow.	
	Hence, it does not impair fish and benthic populations	
	Minimum water flow is still maintained	
	Reservoirs of the project apply daily regulation	
	regime, thus creating no isolation of fish and benthic	
	organisms when water level decreases.	
Reservoir	The reservoirs apply daily regulation regime	
management	Connectivity with lateral rivers is not impaired	
	The reservoirs are daily regulated, which keeps the	
	water level stable, and imposing no impairment on	
	lateral ecosystem	
Sediment	The sediment transport capacity is maintained	
management		
Power plant design	The power plant is designed in order to maintain the	
	migration of fish upwards and downwards	
	The project owner shall use the proper measure the	
	avoid animal injury and death during the plant	
	operation	
Social impacts	The project does not cross any cultural landscapes	
	nor historical remains.	
	There are hardly local people living within the project	
	site. All those who lose their land are	
	commensurately compensated for.	

Pre Announcement	Yes	No
Was your project previously announced?		Х

Explain your statement on pre announcement

Prior to any payment being made for the implementation of the project all announcements were indicating that the project was a CDM project i.e. stakeholders consultation meeting were organized to inform of the CDM project; official letters needed to obtained the support from competent authorities for the CDM project were served. Therefore, this project has not been announced to be going ahead without the revenues from carbon credits.

The following is the implementation timeline of the proposed project activity

Development of the hydropower project	Events and actions taken to achieve CDM registration	Time	Implication on CDM
Finalizing Feasibility Study Report of the project		Jul. 09	



Issuing Investment license		29 Oct. 09	
	Submitting official letter to Son La People's Committee by the project owner to obtain the verification and support for CDM project	26 Nov. 09	CDM early consideration
	Signing the CDM consulting contract with a CDM consultant	28 Nov. 09	CDM early consideration
	Submitting the official letter to DNA Vietnam by Son La Provincial People's Committee to obtain the verification and support for CDM project	15 Dec. 09	CDM early consideration
	Submitting the official letter to DNA Vietnam by the project owner to obtain the verification and support for CDM project	17 Dec. 09	CDM early consideration
	Organized stakeholders consultation meetings to inform of CDM project and consult opinions of the local people and authorities on social and environmental impacts of the project. Minutes of meetings was produced.	20 Dec. 09	CDM early consideration
Issued the Decision on impleme under Clean Development Mech Board	• , ,	25 Dec. 09	Date of making decision
Signing the first contract for the citems i.e. access road, worker he	-	28 Oct. 10	Starting date of the project activity
	Notification of CDM project to Executive Board	02 Nov. 10	

C.4. Greenhouse gas



Greenhouse Gas			
Carbon dioxide			Х
Methane			
Nitrous oxide			
C.5. Project Registration Type			
Project Registration Type			
Regular			Х
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)

Start Date of Construction: 28/10/2010

SECTION D. Unique project identification

D.1. GPS-coordinates of project location

Hydrp	ower plant	Northern latitude	Eastern longitude
Nam Hong 1	Power house	21 ⁰ 27'12"	104 ⁰ 13'14''
3	Dam	21 ⁰ 27'08''	104 ⁰ 14'12"
Nam Hong 2	Power house	21 ⁰ 27'24''	104 ⁰ 11'35"
27 710119	Dam	21 ⁰ 27'36''	104 ⁰ 12'30''



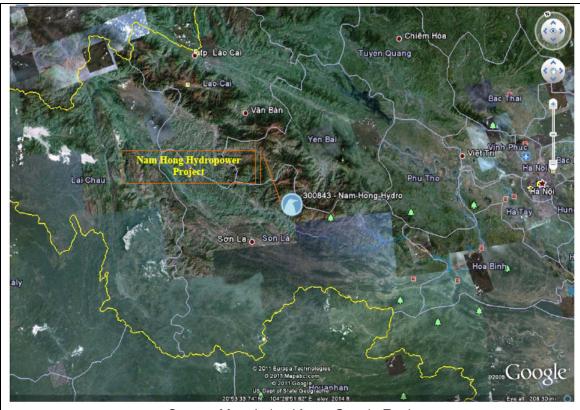




Explain given coordinates

The project activity is located on Nam Hong stream in Chieng Cong commune, Muong La district, Son La province, Vietnam. These are the coordinates of power house and dam of Nam Hong 1 and Nam Hong 2 hydropower projects respectively. It is taken from the Feasibility Study Report.

D.2. Map



Source: Map derived from: Google Earth

SECTION E. Outcome stakeholder consultation process

E.1. Assessment of stakeholder comments

The meeting, which covered the economic, social and environmental impact of the project



has been conducted by the project participants. It was held on 13 July 2010 at office of People's committee of Chieng Cong commune. During the meeting, participants were encouraged raise their comments on the socio-economic and environmental impacts of the project.

Here below, we summarize the open questions from the first meeting and assessed their relevance:

Stakeholder comment	Was comment taken	Explanation (Why?
	into account (Yes/ No)?	How?)
Soil condition	Yes	This issue is valid and
Land occupied will be		very important because
commensurately		it is one of twelve
compensated for. Return		mentioned indicators of
temporarily occupied		sustainable
land to the local people,		development. It is also
etc.		considered in the project
		designed document.
Re-cultivation and	Yes	Re-cultivation and
resettlement		resettlement fall into
The project owner		main issues regarding
should care about the		the implementation of
plantation and		Nam Hong Hydropower
resettlement for the		project. A specific plan
households whose land		to perform this work is
is occupied.		produced before and
		during the project
		implementation.
Concern about fish	Yes	For the purpose of the
habitat		project, a reservoir is to
		be created which
		imposes impacts on
		fauna (e.g. fish).
		However, mitigation
		measures will be taken
		into account such as
		creating new habitats for
		fish in affected area.

For the minutes of the meeting and other details regarding the consultation meeting, please refer to the Local Stakeholder Consultation report.



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.

(This section will be filled in as soon as the Stakeholder Feedback Round has been carried out).

SECTION F. Outcome Sustainability assessment

F.1. 'Do no harm' Assessment

Safeguarding	Description of	Assessment of my	Mitigation
principles	relevance to	project risks	measure
	my project	breaching it (low,	
		medium, high)	
1. The project	The project is	Low	
respects	located in a		
internationally	scattered		
proclaimed human	population area.		
rights. The project	Therefore, it		
is not complicit in	does not		
Human rights	interfere the		
abuses	uniqueness of		
	indigenous		
	people		
2. The project	There are no	Low	
does not involve	enforced		
and is not	resettlement in		
complicit in	the proposed		
involuntary	project		
resettlement			
3. The project	No cultural	Low	
does not involve	places are		



			<u> </u>
and is not	existing in the		
complicit in the	project site ⁶		
alteration, damage			
or removal of nay			
critical cultural			
heritage			
4. The project	The project	Low	
respects the	demonstrated		
employees'	not to limit		
freedom of	freedom of		
association and	association and		
their right to	right to		
collective	collective		
bargaining and is	bargaining more		
not complicit in	than required by		
restrictions of	law. Ref. Labour		
these freedom and	code of		
rights	Vietnam, Article		
	7		
5. The project	All employees	Low	
does not involve	are engaged in		
and is not	the project		
complicit in any	implementation		
form of forced or	on a voluntary		
compulsory labour	basis. Ref.		
	Labour code of		
	Vietnam, Article		
	9		
6. The project	The project	Low	
does not employ	does not involve		
and is not	the employment		
complicit in any	and complicit of		
form of child	child labour.		
labour	The Host		
	country have its		
	own credible		
	legislation in		
	place prohibiting		
	child labour.		
	Janua labour.		

⁶ Feasibility Study Report



	Dof Lobour		
	Ref. Labour		
7 The musical	code of Vietnam	1	
7. The project	The project	Low	
does not involve	does not		
and is not	discriminate		
complicit in any	against		
form of	individuals and		
discrimination	employment of		
based on gender,	staff is not		
race, religion,	based on		
sexual orientation	gender, race,		
or any other basis	religion, sexual		
	orientation or on		
	any other basis.		
	there is strong		
	solidarity		
	existing among		
	people from		
	different		
	minority groups		
	within the		
	project site. In		
	(host country),		
	there is labour		
	legislation that		
	protects against		
	some facets of		
	this principle.		
	Ref. Labor code		
	of Vietnam,		
	Article 5		
8. The project	A hydro project	Low	
provides workers	in general does		
with a safe and	not expose		
healthy work	workers to		
environment and	unsafe or		
is not complicit in	unhealthy work		
exposing workers	environments in		
to unsafe or	terms of toxins		
unhealthy work	or chemicals. In		
difficallity work	or orienticals. III		



	1 1912 - 11		
environments.	addition the		
	project follows		
	national safety		
	rules under		
	(Host Country)		
	Law that covers		
	work safety.		
	Ref. Labor code		
	of Vietnam,		
	Article 7		
9. The project	The project		
takes a	activity does not		
precautionary	threaten human		
approach in regard	health or the		
to environmental	environment.		
challenges and is	This was		
not complicit in	checked before		
·	the construction		
practices contrary to the			
	start by the		
precautionary	project owner in		
principle.	the framework		
	of an EIA to see		
	if the		
	components in		
	the project		
	activity are in		
	compliance to		
	the law in		
	various aspects		
	e.g. health &		
	safety,		
	hazardous		
	waste release		
	etc. Ref. EIA,		
	Chapter II, page		
	9		
10. The project	There are no	Low	
does not involve	critical natural		
and is not	habitats located		
complicit in	at or close to		
23	a. 0. 0.000 to		



	1,, , , ,		1
significant	the project site		
conversion or			
degradation of			
critical natural			
habitats, including			
those that are (a)			
legally protected,			
(b) officially			
proposed for			
protection, (c)			
identified by			
authoritative			
sources for their			
high conservation			
value, or (d)			
recognized as			
protected by			
traditional local			
communities			
11. The project	Vietnam has	Low	
does not involve	ratified the		
and is not	Convention		
complicit in	against		
corruption	Corruption. All		
-	permits that are		
	required legally		
	have been		
	attained		
	following		
	applicable		
	laws ⁷ .		
Additional	Description of	Assessment of	Mitigation
relevant critical	relevance to	relevance to my	measure
issues for my	my project	project (low,	
project type		medium, high)	
1			
2			
•	•	•	

⁷



a+a		
eic:		
010		

F.2. Sustainable Development matrix

For the purpose of achieving the sustainable development goals, the environmental, social and technological as well as economic indicators are analyzed. The Sustainable Development matrix are as following:

Indicator	Mitigation measure	Relevance to achieving MDG	Chosen parameter and explanation	Preliminary score
Gold Standard indicators of sustainable development	If relevant, copy mitigation measure from 'Do No Harm' assessment, and include mitigation measure used to neutralise a score of '-'	Check www.undp.org/mdg and www.mdgmonitor.o rg Describe how your indicator is related to local MDG goals	Defined by project developer	Negative impact: score '-' in case negative impact is not fully mitigated, score '0' in case impact is planned to be fully mitigated No change in impact: score '0' Positive impact: score '+'
Air quality	Spraying water on the road and covering material trucks to avoid dust; utilizing modern	Ensuring the environmental sustainability	Dust, GHG and other air pollutant: Impacts on air quality are fully mitigated. This indicator is thus neutral.	0
Water quality and quantity		Ensuring the environmental sustainability	Contamination of public resources and	0



Soil condition	The inundated land area will be commensurat ely compensated for; When the project is commissione d, the project proponents commit to conduct plantation around the project site to avoid erosion	Ensuring the environmental sustainability	water supply: Small scale run- of-river hydropower stations do not alter the water that runs through them. Therefore, compared to the baseline there is no significant change. Land loss, and erosion: The formation of reservoir results in inundation of a part of natural land. However, the areas are small for small scale hydro projects and the major part of inundated land is uncultivated or hilly. Impacts are fully mitigated. Hence, the project negligibly affects the soil quality.	0
Other pollutants		Ensuring the environmental sustainability	Noise, waste management and other pollutant: Noise appears during the construction, but stops when the construction is completed. Furthermore, there are very	0



			few residents living close to the project site. As the project does not create other pollutants such as ash, it is cleaner than the coal power plants it partially replaces.	
Biodiversity	During the construction and operation phases, the project participants shall comply with the requirements on environmenta I protection	Ensuring the environmental sustainability	Threatened plants and animals There is no significant change to the livelihood of plants or animals before or after the project.	0
Quality of employment		Eradicating extreme poverty and hunger	Training of staff: The quality of employment will be enhanced thanks to training courses provided to the workers and rural labourers	+
Livelihood of the poor		Eradicating extreme poverty and hunger	Livelihood of workers: The project will improve the livelihood of those hired through income. However, because of its limited impacts, the indicator is	0



		scored neutrally	
Access to affordable and clean energy services	Contributing to eradicate extreme poverty and hunger	gas, etc.) and create more affordable clean energy for Vietnam.	+
Human and institutional capacity		Public participation, education and skills: Although the project will improve the human and institutional capacity through involvement of stakeholders in the LSC meeting, the overall benefits are not significant. In practice, only the employees working on the project can be considered as the main beneficiaries	0
Quantitative employment and income generation	Contributing to eradicate extreme poverty and hunger	Employment creation: Project will employ people during the construction and operation	+



	phases.
	Level of fuel
	import:
	In Vietnam,
	thermal power
	plants are using
	coal as fuel
	which is
	expensive fossil
	fuel. Therefore,
	renewable power
	plants like
Balance of	hydropower
payments and	plants will 0
investment	decrease
	dependency on
	these expensive
	fossil fuels.
	However, since
	this impact is
	small in relation
	to macro-
	economic
	perspective, a
	neutral score is
	chosen
	Introduction of
	new technology
	in the region,
	along with
	training and
	workshops:
	The project
Technology	owner shall use
transfer and	the state-of-art
technological	technology which
self-reliance	is imported
	abroad.
	Enclosing with
	the equipment is
	usage manual
	and training
	course for the
	operator



	conducted by the supplier. Hence, technology transfer will be achieved.
	urce and provision of references erence source is required for each indicator, regardless
Air quality	The plant does not emit the substances above; therefore, it imposes no impact on air quality. During the construction, there are factors that affect the air quality such as dust, waste gases from executing means, vehicles, etc.; however, the project proponents have applied proper mitigation measures i.e. spraying water on the road, covering material truck, using modern executing means. Hence, this indicator is given score 'neutral'. The information will be evaluated in the Environmental Impact Assessment Report (EIAR) to be sent to DNA of Viet Nam. The project will result in GHG reductions; detail on the calculation of this reduction is available in the project design document (PDD)
Water quality and quantity	Small scale hydropower stations do not alter the water that runs through them. The water quality and quantity including minimum flow and daily regulation regime shall be assessed in the EIAR.
Soil condition	The formation of reservoir results in inundation of a part of natural land. However, the areas are small for small scale hydro projects and the major part of inundated land is uncultivated or hilly. Hence, the project negligibly affects the soil quality. This information will be evaluated in the EIAR.
Other pollutants	The project shall ensure that the level of noise pollution shall be within the maximum permissible level for the industry. As the project does not create other pollutants such as ash, it is cleaner than the coal power plants it partially replaces. This information will be stated in the EIAR
Biodiversity	Impacts on flora and fauna are negligible. This information will be demonstrated in the EIAR.
Quality of employment	The project will create employment opportunities, involving various jobs, for technicians, qualified and unskilled workers Labour contract shall be made in



	accordance with host country laws.
Livelihood of the poor	Project contributes to the local development by creating more employments during the construction and operation phases. The project also contributes to local budget via taxes. As small scale hydropower projects often are in inaccessible and poor areas this is especially important. The project is expected to provide jobs for a hundred of local people during both construction and operation phase. This information will be evaluated in the EIAR.
Access to affordable and clean energy services	The project will reduce dependency on expensive fossil fuels (coal, diesel, natural gas, etc.) and create more affordable clean energy for Vietnam. Electrical energy generated by the project will be supplied to the national grid under pending Power Purchase Agreement (PPA)
Human and institutional capacity	Project will contribute to increase the skills for new employees and bring about a higher level of awareness of important environmental issues. This information will be evaluated in the EIAR
Quantitative employment and income generation	Project will generated employment opportunities and income to the local community during both the construction and operation phases. This information will be confirmed during the site visit.
Balance of payments and investment	In Vietnam, thermal power plants are using coal as fuel which is expensive fossil fuel. Therefore, renewable power plants like hydropower plants will decrease dependency on these expensive fossil fuels. <i>Ref., FSR</i>
Technology transfer and technological self-reliance	Project will provide opportunities to access new technologies via training, workshops. This indicator can be substantiated by training records.

SECTION G. Sustainability Monitoring Plan

No	1
Indicator	Quality of employment
Mitigation measure	n/a
Chosen parameter	Training records
Current situation of parameter	Current situation of parameter is equal to baseline
	situation



Estimation of baseline situation		Staffs to be employed for the project are most local
of parameter		people having poor educational background.
Future target for parameter		The staffs are trained on the technical issues relating to
		the operation of the plant. They will receive the
		professional certificate.
Way of monitoring	How	Checking documentation, internship
	When	Once per given period
	By who	The project owner

No		2
Indicator		Access to affordable and clean energy services
Mitigation measure		n/a
Chosen parameter		Change in energy use
Current situation of parameter		Using hydropower, a clean energy, instead of fossil fuel
		energy
Estimation of baseline situation		There was no power or using fossil fuel based energy
of parameter		with high price
Future target for parameter		Reducing the dependence on expensive fossil fuels (coal,
		diesel, etc.) and creating more affordable clean energy
Way of monitoring	How	Checking consumption of clean energy (i.e. hydropower)
	When	Once per given period
	By who	The project owner/

No		3
Indicator		Quantitative employment and income generation.
Mitigation measure		N/A
Chosen parameter		Employment creation
Current situation of pa	arameter	Both long term and short-term jobs have been created
		during the construction and operation processes.
Estimation of baseline situation		No new jobs created, as the project activity didn't exist.
of parameter		
Future target for parameter		The number of jobs will be increased.
Way of monitoring	How	Through the evaluation of documents for wages paid and
		social security documents.
	When	Once per verification period.
	By who	Project owner

No	4
Indicator	Technology transfer and technological self-reliance



Mitigation measure		n/a
Chosen parameter		Training records
Current situation of parameter		New technology is imported from abroad, which may be
		followed by training courses and workshops
Estimation of baseline situation		There was no technology transition
of parameter		
Future target for parameter		Successfully transferring new and advanced technology
		into the region.
Way of monitoring	How	Checking documents
	When	Upon verification
	By who	Project owner

No		5
Indicator		Air quality
Mitigation measure		Spraying water on the road, and covering material trucks
		to avoid dust; utilizing modern technology
Chosen parameter		Dust, waste gases, and other air pollutant
Current situation of parameter		Dust, waste gases and other pollutant are emitted into the
		atmosphere
Estimation of baseline situation		No dust, waste gases and other pollutant are emitted into
of parameter		the atmosphere
Future target for parameter		Dust, waste gases and other pollutants are prevented
		from being emitting into the atmosphere and is less than
		when compared to the baseline.
Way of monitoring	How	Air quality examination
	When	During the operation
	By who	Project owner / environment centre

No		6
Indicator		Water quality
Mitigation measure		n/a
Chosen parameter		Contamination of public resources
Current situation of parameter		Change to the water quality
Estimation of baseline situation		Water resources are not contaminated
of parameter		
Future target for parameter		Water quality is ensured
Way of monitoring	How	Water quality examination
	When	Upon the verification
	By who	Project owner / environment centre

No	7	
Indicator	Soil condition	
Mitigation measure	The inundated land area will be commensurate	ely



		compensated for; When the project is commissioned, the
		project proponents commit to conduct plantation around
		the project site to avoid erosion
Chosen parameter		Land loss, erosion
Current situation of parameter		Same as the baseline situation
Estimation of baseline situation		Land is occupied for the implementation of the project
of parameter		
Future target for parameter		Land occupied will be commensurately compensated for;
		land erosion is restricted by plantation.
Way of monitoring	How	Compensation documentation, site visit
	When	During the validation and verification
	By who	Project owner

Additional remarks monitoring

N/A

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

Additionality assessment is performed according to the "Tool for the demonstration and assessment of additionality" approved by UNFCCC. Details are available in the PDD.

H.2. Conservativeness

A conservative approach has been followed in calculating the baseline emission factors and investment analysis sections as detailed in the PDD.

ANNEX 1 ODA declaration



Project financing for this project activity will not use Official Development Assistance (ODA) Funds as defined in the Gold Standard Manual for Project Developers. There are no loans or grants being provided by International Finance Institutions, which include ODA.

Copy of this document will be submitted to DOE upon the site visit.