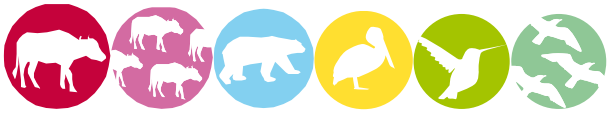
ANNEX R – PASSPORT TEMPLATE

CONTENTS



SECTION A. Project Title

Title: National Bio Energy Nangong Biomass Power Plant

Date: 07/08/2013

Version no.: 01.1

SECTION B. Project description

The proposed National Bio Energy Nangong Biomass Power Plant (hereafter refers to as the Project) is located in Nangong county, Hebei province, R.P. China. Nangong County, with very long agriculture history, is an important agriculture especially cotton bases in the middle area of China.

The project will utilize local surplus biomass residues (including agricultural biomass residues and woody residues) for generating electricity. The install capacity is 30MW. The proposed project will install one biomass-fired boiler with the technology from BWE Company of Denmark, which is a world leading company in biomass boilers production and biomass cogeneration. The proposed project will also install one turbine and generator, which are produced domestically. The biomass fuel would be collected from nearby area of the project, which would be open burnt or left to decay without the proposed project. It is estimated that the Project can deliver 193 GWh of electricity to the North China Grid (NCG) utilizing about 300,000 tons biomass residues per year.

The pre-project situation and the baseline scenario are identical: the electricity is produced within the North China Grid and biomass residues are dumped or left to decay or open burnt in an uncontrolled manner.

Thus, when the proposed project produces and claims GHG emissions reductions from:

- displacing electricity that would otherwise be produced to supply the high-growth, coal-dominated power generation of North China Grid,
- avoiding CH4 emissions because the straw would otherwise be dumped or left to decay or burnt in an uncontrolled manner without utilizing it for energy purpose in the absence of the proposed project.

The estimated annual GHG emission reductions are 143,010 tCO_2e.

The project started construction on 25/10/2009 and commissioned on 26/10/2010.

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
	☐	☐
	☐	☐
	☐	☐
	☑	☐
	☐	☐

	☐

C.2. Host Country

P.R.China

C.3. Project Type

[See Toolkit 1.2.c and Annex C]

Please tick where applicable:

Project type	Yes	No
Does your project activity classify as a Renewable Energy project?	☑	☐
Does your project activity classify as an End-use Energy Efficiency Improvement project?	☐	☑
Does your project activity classify as waste handling and disposal project?	☐	☑

Please justify the eligibility of your project activity:

The proposed project engaged into delivering electricity from renewable biomass source. No fossil fuel is used in the project.

Pre Announcement	Yes	No
Was your project previously announced?	☐	☑
Please see the ODA statement in Annex 1		

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	
Regular	☐

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 project activity dd/mm/yyyy: 26/10/2010

SECTION D. Unique project identification

D.1. GPS-coordinates of project location

[See Toolkit 1.6]

	Coordinates

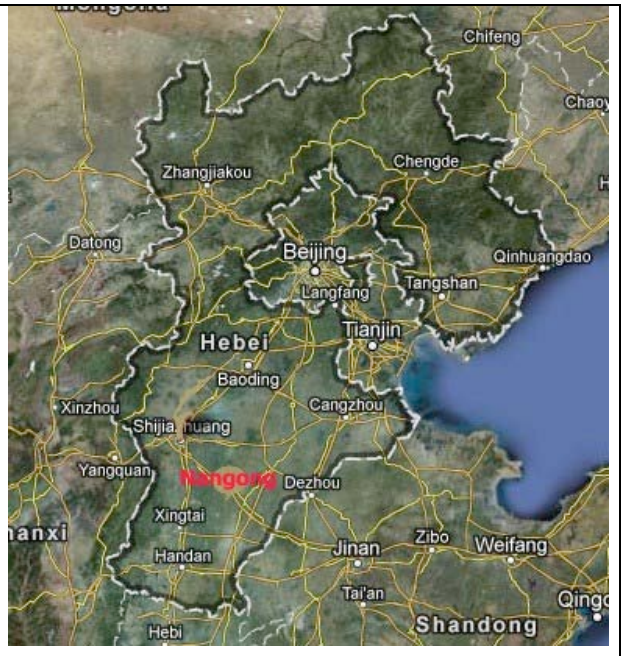
Latitude	37°21'41" N
Longitude	115°23'13" E

Explain given coordinates

N/A

D.2. Map

The Location of Hebei Province in China



SECTION E. Outcome stakeholder consultation process

E.1. Assessment of stakeholder comments

[See Annex J]

[See Local Stakeholder Consultation Report B.5 and insert table from "C.3.iii Assessment of all comments". Insert a summary of alterations based on comments]

Not applicable as the retroactive project.

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]

The information would be supplied after stakeholder consultation meeting during onsite validation stage.

E. 3. Discussion on continuous input / grievance mechanism

[See Annex W]

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

	Method Chosen (include all known details e.g. location of book, phone, number, identity of mediator)	Justification
Continuous Input / Grievance Expression Process Book	The input/grievance book is kept by carbon coordinator Li Xiao, the contact information such as location, telephone and email would be published in the stakeholder feedback round meeting.	The input and grievance expression could be reflected via telephone, email or writing on grievance book. All the contact information would be announced to stakeholders.
Telephone access	15803295373	Li Xiao, Project carbon coordinator
Internet/email access	15803295373@163.com	Li Xiao
Nominated Independent Mediator		

(optional)		

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

SECTION F. Outcome Sustainability assessment

F.1. 'Do no harm' Assessment

[See Toolkit 2.4.1 and Annex H]

Safeguarding principles	Description of relevance to my project	Assessment of my project risks breaching it (low/medium/high)	Mitigation measure
1 Human rights	The human rights and freedom and dignity of employees are widely respected in the project. Rights of employee and human beings are protected by national legislations. The project only makes use of the surplus biomass residues in the local area and people won't be impacted from the biomass collecting of the project.	Low	Unnecessary
2 Involved in complicit in involuntary resettlement.	No resettlement is caused by the project.	Low	Unnecessary
3 Alteration or damage cultural heritage.	No cultural heritage is close or impacted by the project.	Low	Unnecessary
4 Respects the employees' freedom of association and their right to collective bargaining and is not complicit in restrictions of these freedoms and rights.	Employee's right and freedom to collective bargaining is well protected by Labor Rights Protection Law. There are also labor unions of employees to guarantee these right and freedom in project	Low	Unnecessary

	and host country.		
5 Complicit in any form of forced or compulsory labour.	Local government and project owner forbid any force or compulsory labor behaviors.	Low	Unnecessary
6 Child labour.	There is no any child labor existing in the project. Child labor is forbidden as local legislation in China.	Low	Unnecessary
7 Discrimination based on gender, race, religion, sexual orientation or any other basis.	The project supplies different job opportunities to the different genders, races. Discrimination isn't common in the local area and the project.	Low	Unnecessary
8 Safe and healthy work environment and is not complicit in exposing workers to unsafe or unhealthy work environments.	The project and company has mature safe guidance for all the job positions during the operation. All the employees should be trained and pass the safety examination. The project equips the necessary instruments to protect the healthy and safety of the employees as the Chinese Labor Rights Protection Law. No obvious non-GHG air pollutants or other harmful gas is caused from bio-energy feedstock production, processing, and transportation for the project. The biomass income is quite small compared with the agriculture planting, so agriculture could be changed. So food safety issues is	Low	Unnecessary

	related to the project.		
9 Precautionary approach in regard to environmental challenges and is not complicit in practices contrary to the precautionary principle.	The project engages in the sustainable development of environment by recycle the biomass residues to replace coal-based power. As an environment- friendly project, it would reduce the air pollution from open burning of biomass residues. There is no any harmful emission and leakage during the operation process.	Low	Unnecessary
10 Complicit in significant conversion or degradation of critical natural habitats, including those that are (a) legally protected, (b) officially proposed for protection, (c) identified by authoritative sources for their high conservation value or (d) recognized as protected by traditional local communities.	The project location is next to the main road of the city. No critical natural habitats were close to the project site and consequently being impacted by the project. The natural habitats impact was assessed before the project's approved as national regulation.	Low	Unnecessary
11 Involve and is not complicit in corruption.	The financial behaviors of the project are strictly controlled by its' mother company National Bio-Energy Co. Ltd., The project must follow the company financial rule and regulation of NBE.	Low	Unnecessary
Additional relevant critical issues for my project type	**Description of relevance to my project**	**Assessment of relevance to my project (low/medium/high)**	**Mitigation measure**
N/A	N/A	Low	Unnecessary

F.2. Sustainable Development matrix

[See Toolkit 2.4.2 and Annex I]

Insert table as in section D3 from your Stakeholder Consultation report (Sustainable Development matrix).

Indicator	**Mitigation measure**	**Relevance to achieving MDG**	**Chosen parameter and explanation**	**Preliminary score**
Gold Standard indicators of sustainable development.	**If relevant copy mitigation measure from "do no harm" –table, or include mitigation measure used to neutralise a score of '–'**	Check www.undp.or/mdg and www.mdgmonitor.org **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		Improve maternal health. Reduce child mortality. Ensure environmental sustainability	Reduce smoke and particulate pollution from open burning of biomass residue in the baseline scenario. Reduce the odor and fire risk from the decayed surplus biomass. Particulate, SO_2 and NO_x emission of the project meets the industry standards. Because the project uses advanced boiler and dust-remove equipment, the dust release is kept in a very low level. Particulate matter emission nearby the plant increased about 0.04%-0.12% compared with baseline scenario no considering the	+

			open burning of the biomass previously. The impact to the nearby of the plant is quite limited.	
Water quality and quantity		Ensure environmental sustainability	Industry wastewater must be neutralized before released into industry park drainage system. Other wastewater is released to public drainage system. As the FSR analysis, the quality of the wastewater from the project is good enough to release directly. The domestic sewage is treated and recycled in the project site. The wet ash is always stored for a while before transferred to chemical fertilizer factory. The water used to sprinkle the ash will be recycled and would outlet to the circumstance.	0
Soil condition		Ensure environmental sustainability	The ash generated from the project is used to produce fertilizer and enhance improve the soil condition of the farmland. The biomass fuel used by the project is the open-burnt or discarded biomass after feeding back to the farmland or	0

			other usage, so the collecting of the biomass won't impact the soil organic content. Ash is used to produce fertilizer in the factory. Bottom ash is used as a blending in the construction material or filling material of the ground.	
Other pollutants		Improve maternal health. Reduce child mortality	Mufflers are widely equipped in the project such as air inlet, steam outlet etc. to reduce the noise pollution. The project has also planted trees and grass for noise proof as regulation. The combustion of the biomass used in the project such as stalk and woody biomass won't cause eye irritation, respiratory or other health problems.	0
Biodiversity		Ensure environmental sustainability: Reduce biodiversity loss, achieving, by 2012, a significant reduction in the rate of loss	The sulfur and particulate release caused by the project is quite limited and no obvious compact to vegetation in agriculture and forest. As the project only use the surplus biomass residues so no agriculture or breeding structure would be changed.	0

			No land usage is changed by the project. No genetically modified organism (GMOs) is involved in the project. Wastes from the project are well processed and released on relevant regulation and do no direct harm to the surrounding biology species.	
Quality of employment		Working environment of the employees. Improve worker's welfare	Supply professional training to the staffs. The project supplied all the safe and health equipments to employees as the industry regulations. All the workers must attend a serious safety training each year. There is free physical examination for the employees each year. The SOx , NOx concentration are under health standard, ash could be captured by the dust-removal system efficiently and the PM increasing is quite small. No other health problems could be caused by combusting of the biomass fuel in the project.	+

			No obvious oil spill happens in the project. Noise pollution could be largely reduced from the machine, equipment and factory design as the design of EIA.	
Livelihood of the poor		Eradicate extreme poverty and hunger. Improve health care and sanitation condition.	Increase the peasant's income by purchase their waste biomass residues. The biomass expense is 94.1 million RMB in 2012.	+
Access to affordable and clean energy services		Improve energy structure.	The project supply green power to local gird and replace the traditional coal-based power consumption in baseline. The project improved the power supply and gird stability greatly, especially the electricity lack during spring plough term before the project.	+
Human and institutional capacity		Achieve universal primary education	Supply education opportunity to society especially women.	0
Quantitative employment and income generation		Eradicate extreme poverty and hunger	The project supplies 66 job positions, including 65 people from local and 31 female workers. The total salaries the project paid to	+

			the employee are 6.5 million RMB in 2012.	
Balance of payments and investment		N/A	No similar project could be encouraged in this area as the biomass resource quantity.	0
Technology transfer and technological self-reliance		N/A	Adapt new technology to the region.	0

Justification choices, data source and provision of references

Air quality	FSR and local monitoring record
Water quality and quantity	FSR and local monitoring record
Soil condition	FSR
Other pollutants	FSR
Biodiversity	FSR
Quality of employment	Project training record
Livelihood of the poor	Project salary estimate
Access to affordable and clean energy services	Power-selling record
Human and institutional capacity	N/A
Quantitative employment and income generation	Project HR record
Balance of payments and investment	N/A
Technology transfer and technological self-reliance	N/A

SECTION G. Sustainability Monitoring Plan

[See Toolkit 2.4.3 and Annex I]

No		1
Indicator		**Air quality**
Mitigation measure		
Repeat for each parameter		
Chosen parameter		Reduced the biomass which is open-burning or decay
Current situation of parameter		Biomass collecting.
Estimation of baseline situation of parameter		The surplus biomass is widely open burnt or discarded in field.
Future target for parameter		300,000 t biomass
Way of monitoring	How	Biomass purchase record from project
	When	Constantly
	By who	Project

No		2
Indicator		**Quality of employment**
Mitigation measure		
Repeat for each parameter		
Chosen parameter		Employees' training and healthy protect situation
Current situation of parameter		With sufficient skill, safety and other professional training. Healthy protect regulation is strictly followed during operating.
Estimation of baseline situation of parameter		Many employees are peasants without power plant relevant skills.
Future target for parameter		With sufficient skill, safety and other professional training. Healthy protect regulation is strictly followed during operating.
Way of monitoring	How	Training records, safety instrument
	When	Annually
	By who	Project HR department

No		3
Indicator		**Livelihood of the poor**
Mitigation measure		
Repeat for each parameter		
Chosen parameter		The biomass purchase cost paid to local people.
Current situation of parameter		94.1 million RMB in 2012.
Estimation of baseline situation of parameter		Nearly 0.
Future target for parameter		More than 94.1 million RMB/year.
Way of monitoring	How	Project record
	When	Annually
	By who	Project

No		4
Indicator		**Access to affordable and clean energy services**
Mitigation measure		
Repeat for each parameter		
Chosen parameter		Quantity of on-grid electricity each year
Current situation of parameter		0.19 GWh/year
Estimation of baseline situation of parameter		0
Future target for parameter		0.19 GWh/year
Way of monitoring	How	Power-meters
	When	Annually
	By who	Project or grid company

No	5

Indicator		**Quantitative employment and income generation**
Mitigation measure		
Repeat for each parameter		
Chosen parameter		Quantity of job position and wages of project staffs
Current situation of parameter		65 staffs from nearby. The total wages paid to employees is 6.5 million RMB /year.
Estimation of baseline situation of parameter		0
Future target for parameter		6.5 million RMB /year
Way of monitoring	How	Project record
	When	Annually
	By who	Project

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

[See Toolkit 2.3]

N/A.

Good Standard guidance is followed in the project.

H.2. Conservativeness

[See Toolkit 2.2]

N/A.

Good Standard guidance is followed in the project.

ANNEX 1 ODA declaration

国家电网
STATE GRID

国能生物发电集团有限公司
NATIONAL BIO ENERGY CO., LTD.

Feb. 23 2012
National Bio Energy Nangong Co., Ltd

To: Gold Standard Foundation

Declaration of Non-Use of Official Development Assistance by Project Owner

National Bio Energy
As Project Owner of the above-referenced project, acting on behalf of all project participants, I now make the following representations:

Chunli Wang:

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 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.

Signed:

Name: Chunli Wang

Title: Vice President

On behalf of: National Bio Energy