

GOLD STANDARD PASSPORT

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Annex 1 ODA declarations

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SECTION A.	Project Title
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National Bachu Biomass Power Generation Project
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Version: 01

Date: 28/04/2012

SECTION B. Project description

In order to solve the power shortage of local gird, make fully use of the biomass residues, improve the income and environment of rural area, National Bio Energy Co.,Ltd decided to invest an agricultural biomass based power plant in Bachu County of Xinjiang province of China. The proposed project takes the agricultural biomass resource as the main fuel, the project adopted one 12MW extraction condensing steam turbine and one 48t/h vibrate grate boiler and supply 79,200 MWh power to Northwest China Grid annually, which consumes about 110,000 tons renewable biomass residues such as cotton stalk and woody wastes. The proposed project would reduce the GHG emission by more than 62,774 tCO₂e each year. The project would supply job opportunities to local people mainly minority people and increase the income by purchase their wasted biomass resource.

The Bachu power plant is a new built project, located 1km east of Selibuya town which situated 80km southeast of Bachu County. The land the project occupied was alkaline land.

The project started construction on 24/05/2007 and started operating on 04/12/2008.







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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 type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>

C.2. Host Country

P. R. China

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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 checked="" type="checkbox"/>	<input type="checkbox"/>
Does your project activity classify as an End-use Energy Efficiency Improvement project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please justify the eligibility of your project activity:

The proposed project is a Greenfield biomass combustion power plant, which combust the renewable agricultural biomass residues such as corn stalk, wood chips, sawdust, residue of liquorice to generate power to national grid.

The fuels of the power plant are all renewable biomass from the agricultural or industry waste. In the baseline, these residues are either open burnt or abandoned.

The capacity of the power plant is 12 MW, which within the boundary of small scale project.

Pre Announcement	Yes	No
Was your project previously announced?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The project hasn't made any announcement that the project could go without carbon revenue.		

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C.4. Greenhouse gas

[See Toolkit 1.2.d]

Greenhouse Gas	
Carbon dioxide	<input checked="" type="checkbox"/>
Methane	<input type="checkbox"/>
Nitrous oxide	<input type="checkbox"/>

C.5. Project Registration Type

[See Toolkit 1.2.f]

Project Registration Type	
Regular	<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)
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If Retroactive, please indicate Start Date of Construction

03/2007

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SECTION D. Unique project identification

D.1. GPS-coordinates of project location

[See Toolkit 1.6]

	Coordinates
Latitude	39° 18' 10" N
Longitude	77° 49' 26" E



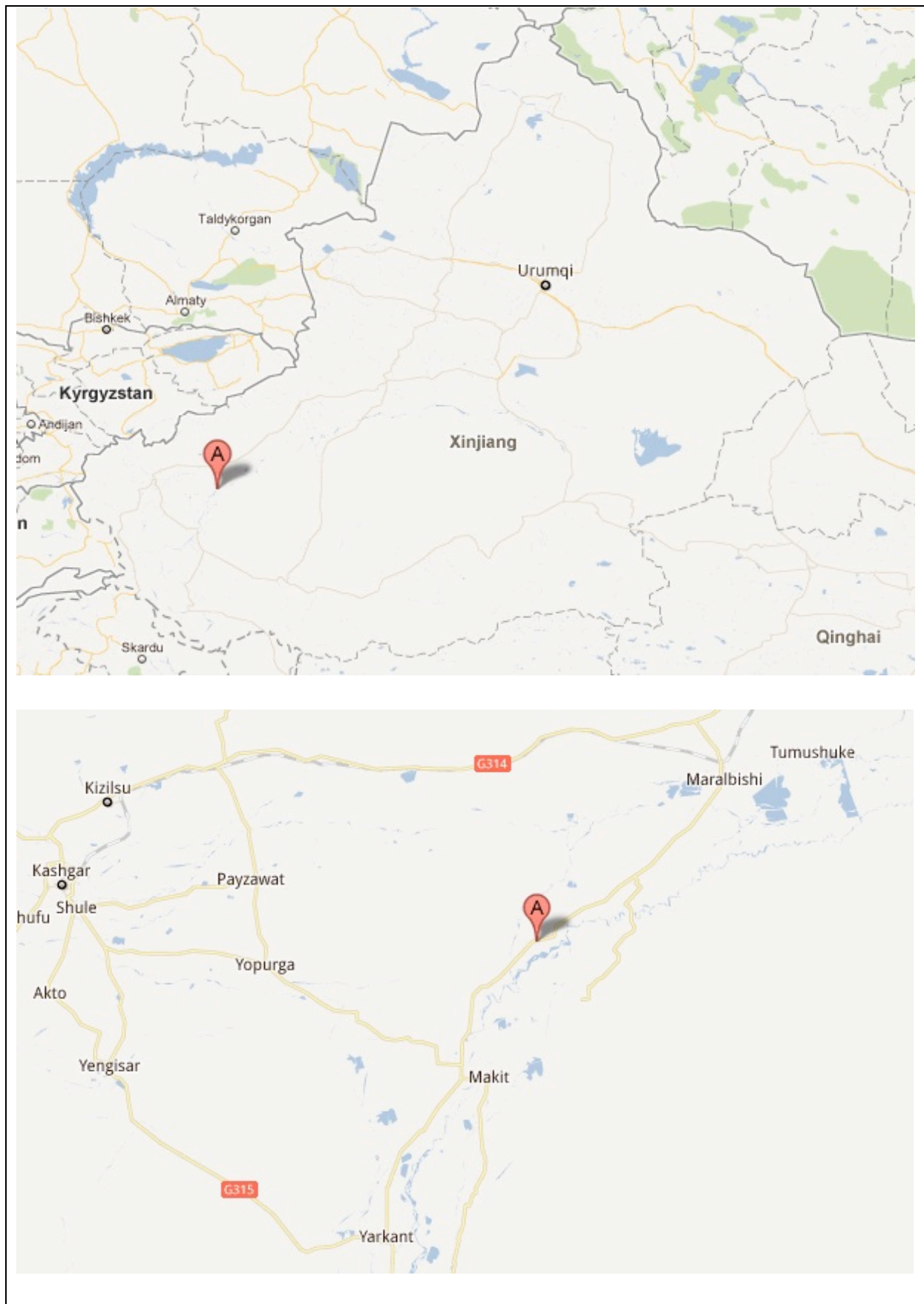
Explain given coordinates

It's the GPS coordinate of the proposed power plant site.

D.2. Map



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SECTION E. Outcome stakeholder consultation process

E.1. Assessment of stakeholder comments

[See Toolkit Annex J]

As a retroactive project, local stakeholder consultation will not be conducted. The GS stakeholder feedback round would be held during validation. The information would be added after then.

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.

The stakeholder feedback round would be finished prior to finalisation of validation.

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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 Human rights	The human rights and freedom of employees are widely respected in the project. The habits of minority nationality such as Uygur people are well respected in the project. Chinese government owns the legislations of protect the rights of employee and human beings.	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 laws. There are also labor unions of employees to guarantee these right and freedom in	Low	Unnecessary

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	project 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 labour existing in the project. Child labour 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 national Employee Protect Law.	Low	Unnecessary
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	The project is located in the programming industry zoo of local government. No critical natural habitats were close to the project site and	Low	Unnecessary

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conservation value or (d) recognized as protected by traditional local communities.	consequently being impacted by the project. The natural habitats impact was assessed before the project's approved as national regulation.		
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	N/A

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
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.org Describe how your indicator is related to local MDG goals	Defined by project developer	<u>Negative impact:</u> score '-' in case negative impact is not fully mitigated, score '0' in case impact is planned to be fully mitigated <u>No change in</u>

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				<u>impact:</u> score '0' <u>Positive</u> <u>impact:</u> score '+'
Air quality		<p>Improve maternal health.</p> <p>Reduce child mortality.</p> <p>Ensure environmental sustainability</p>	<p>Reduce smoke pollution from open burning of biomass residue.</p> <p>Compared with other power plant, the emission of dust, SO₂ and NOx is much lower than the small-scale power plant emission standards.</p>	+
Water quality and quantity		<p>Ensure environmental sustainability</p>	<p>Project use underground water as water source.</p> <p>The domestic sewage is treated and recycled in the project site.</p> <p>Industry wastewater should be neutralized before released into industry park drainage system. Other wastewater would be released to drainage</p>	0

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			system.	
Soil condition		Ensure environmental sustainability	No pollution would be produced during the project operation. The biomass ash could improve the soil condition of farmland.	0
Other pollutants		Improve maternal health. Reduce child mortality	Noise pollution could be largely reduced from the machine, equipment and factory design. Other solid waste such as biomass ash could be used for agriculture. Domestic garbage are collected and treated by government department. The project plant trees and grass as regulation.	0
Biodiversity		Ensure environmental sustainability: Reduce biodiversity loss, achieving, by 2012, a significant reduction in the rate of loss	N/A	0

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Quality of employment		Improve worker's welfare	Hard to compare as there is few industry in Selibuya.	0
Livelihood of the poor		Eradicate extreme poverty and hunger	Increase the peasant's income by purchase their waste biomass residues. The biomass expense is 21,251,028 RMB in 2010.	+
Access to affordable and clean energy services		Eradicate extreme poverty and hunger	The project supply clean power to local grid compared with coal thermal power plant in baseline. But the power price didn't change.	+
Human and institutional capacity		Achieve universal primary education	Supply at least 150 hours professional training for all employees including the females.	+
Quantitative employment and income generation		Eradicate extreme poverty and hunger	The project contains 133 employees, including 72 people from minority and 33 female workers. The total salaries of the employee are 4,616,057 RMB in 2010.	+

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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	It's the first biomass power plant in Kashi area. The project introduced the biomass power technology into this area first time. In order to collect biomass more efficient, the PO design and put into use the first Cotton Stalk Collect machine in the world.	+
Justification choices, data source and provision of references A justification paragraph and reference source is required for each indicator, regardless of score				
Air quality	The existing open burning of biomass residues and low air pollution risk were discussed in EIA. Source EIA			
Water quality and quantity	Wastewater treatment plan have been assessed and in EIA. Source EIA			
Soil condition	No soil condition impact from the project as EIA. Source EIA			
Other pollutants	Other pollution such as noise met the local requirement as EIA.			

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	Source EIA
Biodiversity	No impact to biodiversity as discussed in EIA. Source EIA
Quality of employment	Since there is few industry in local area, and most of the employee are engaged in agriculture before employed by the project. Work environments are hard to compare. N/A
Livelihood of the poor	All the biomass residues are purchased from surrounding area, which raise the income of the peasants, whose average income have been in low level. The biomass purchase expense of the project was more than 20 million RMB in 2010. Source Project record
Access to affordable and clean energy services	The project would upload the renewable Power to grid, which could be proved by power receipts. Source Power receipt to grid.
Human and institutional capacity	Skill training is necessary for all employees when entering the project for both male and female workers. Source See training Record.
Quantitative employment and income generation	The project supplied 133 job positions to society and increases more than 4 million RMB income to the employees. Source Project record
Balance of payments and investment	N/A
Technology transfer and technological self-reliance	EIA and the Cotton Stalk Collect Machines in use in the project. Source EIA

SECTION G. Sustainability Monitoring Plan

[See Toolkit 2.4.3 and Toolkit Annex I]

Copy Table for each indicator

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No		1
Indicator		Air quality
Mitigation measure		
<i>Repeat for each parameter</i>		
Chosen parameter		Biomass residues purchase quantity of the project
Current situation of parameter		
Estimation of baseline situation of parameter		0
Future target for parameter		
Way of monitoring	How	Biomass purchase record
	When	Annually
	By who	Project

No		2
Indicator		Livelihood of the poor
Mitigation measure		
<i>Repeat for each parameter</i>		
Chosen parameter		The biomass purchase costs from the project
Current situation of parameter		
Estimation of baseline situation of parameter		0
Future target for parameter		
Way of monitoring	How	Project record
	When	Annually
	By who	Project

No		3
Indicator		Access to affordable and clean energy services
Mitigation measure		
<i>Repeat for each parameter</i>		<i>Annually</i>
Chosen parameter		Quantity of the export power
Current situation of parameter		
Estimation of baseline situation of parameter		0
Future target for parameter		
Way of monitoring	How	Project record
	When	Constant
	By who	Project

No	4
Indicator	Human and institutional capacity
Mitigation measure	

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<i>Repeat for each parameter</i>		
Chosen parameter		Training record
Current situation of parameter		
Estimation of baseline situation of parameter		0
Future target for parameter		
Way of monitoring	How	Project record
	When	Constant
	By who	Project

No		5
Indicator		Quantitative employment and income generation
Mitigation measure		
<i>Repeat for each parameter</i>		
Chosen parameter		Staff salary record
Current situation of parameter		
Estimation of baseline situation of parameter		0
Future target for parameter		
Way of monitoring	How	Project record
	When	Annually
	By who	Project

No		6
Indicator		Technology transfer and technological self-reliance
Mitigation measure		
<i>Repeat for each parameter</i>		
Chosen parameter		Cotton Stalk Collect Machines in use in the project
Current situation of parameter		
Estimation of baseline situation of parameter		
Future target for parameter		
Way of monitoring	How	Project record
	When	Once
	By who	Project

Additional remarks monitoring

N/A

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SECTION H. Additionality and conservativeness

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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

N/A

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H.2. Conservativeness

N/A

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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 Bachu Biomass Power Generation Project

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

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