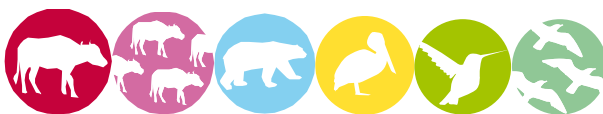


ANNEX R – PASSPORT TEMPLATE

CONTENTS



- A. Project title**
- B. Project description**
- C. Proof of project eligibility**
- D. Unique Project Identification**
- E. Outcome stakeholder consultation process**
- F. Outcome sustainability assessment**
- G. Sustainability monitoring plan**
- H. Additionality and conservativeness deviations**
- Annex 1 ODA declarations**

SECTION A. Project Title

[See Toolkit 1.6]

Nanyang Danjiang River Solar Cooker Project Phase I

Date: 10/10/2013

Version no.: 05

SECTION B. Project description

[See Toolkit 1.6]

Nanyang Danjiang River Solar Cooker Project Phase I project (hereinafter referred to as the “proposed project” or the “project”) located in the southwest of Henan Province, which is invested and implemented by Sirreon Technology and Development (Beijing) Co., Ltd. This region is an ideal area for solar energy utilization. The project involves the distribution and installation of 48,000 sets of solar cookers for rural households. The daylighting area of each solar cooker will be no less than 1.7 m² and the rated output is 773.5W_{th}. The rated and maximum total installed capacity of the project is 37.128MW_{th} and 42.073MW_{th} respectively. The beneficial population is anticipated to be 172,806¹ once the project is put into operation.

The existing scenario of the proposed project, i.e. the 48,000 households continues to cook and boil water with coal-fired stoves. The proposed project will enable the rural households to efficiently substitute solar energy for the fossil fuel (coal) used in daily cooking and water boiling, avoiding CO₂ emission that would be generated by fossil fuel consumption. It is estimated that 90,204 tCO₂e emission reductions will be produced annually.

The project activity will make much contribution to the local sustainable development in the following aspects:

1. Providing rural residents with a clean, practical and convenient way to meet the energy demand of their daily cooking;
2. Improving the indoor hygiene of rural residents;
3. Improving the living condition and quality of rural residents;
4. Creating employment opportunities for local people;
5. Mitigating GHG emission.

¹ Based on the Statistical data of Nanyang City

Estimated project start date:

The project has been registered as CDM project. As per the PDD of the project. The project start date is 13/12/2010.

The main actions made for the project implementation are generalized in the following:

<i>Time</i>	<i>Milestone</i>
2010.08	Completion of the project proposal
2010.10.22	Approved by local DRC
2010.10.28	Approved by local EPA
2010.12.13	Shareholder meeting minute about project investment
2010.12	Signed the ERPA with buyer
2011.05	Informed CDM EB on the prior consideration of CDM.
2011.05	Informed China DNA on the prior consideration of CDM.
2011.05.28	The solar cooker equipment contract was signed
2011.08.01	Full operation
2012.05.02	Registered as CDM project with UNFCCC

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

[See Toolkit 1.2.b]

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 project type is a small scale renewable energy supply project and the rated total installed capacity of the project is 37.128MW thermal.

As per the methodology AMS-I.C Thermal energy production with or without electricity" (Version 19, EB61), the conversion factor of 1:3 should be used for converting electrical energy to thermal energy (i.e. for renewable energy project activities, the maximal limit of 15 MW (e) is equivalent to 45 MW thermal output of the equipment or the plant).

Therefore, the rated total installed capacity of 37.128MW thermal is equivalent to 12.376 MW which is below the 15 MW of small-scale Gold Standard project.

The project will reduce CO₂ generated by coal burning.

The project will not benefit of any financial investment from ODA or from any preferential policy of the Host Country. The project activity is a complete and independent business investment of the project owner (declaration in Annex I).

Therefore, based on the descriptions above, the project is eligible for Gold Standard project.

Pre Announcement	Yes	No
Was your project previously announced?	☐	☒
Explain your statement on pre announcement The project was not previously announced to be going ahead without the revenues from carbon credits.		

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: 13/12/2010

SECTION D. Unique project identification

D.1. GPS-coordinates of project location

[See Toolkit 1.6]

No.	Township	Geographic coordinate		
			Longitude	Latitude
1	Jingziguan	Scope	110.9790°E~111.0316°E	33.2323°N~33.2513°N
		Center	111.0174°E	33.2467°N
2	Siwan	Scope	111.1273°E~111.1651°E	33.1588°N~33.1651°N
		Center	111.1486°E	33.1578°N
3	Xihuang	Scope	111.1390°E~111.1713°E	33.2393°N~33.2461°N
		Center	111.1615°E	33.2409°N
4	Maotang	Scope	111.2805°E~111.4480°E	33.1502°N~33.2697°N
		Center	111.3773°E	33.2184°N
5	Dashiqiao	Scope	111.2509°E~111.2592°E	33.0524°N~33.0575°N
		Center	111.2534°E	33.0567°N
6	Shangji	Scope	111.4803°E~111.4878°E	33.1289°N~33.1352°N
		Center	111.4825°E	33.1331°N
7	Jinhe	Scope	111.3979°E~111.4020°E	33.1024°N~33.1030°N
		Center	111.3986°E	33.1016°N



Explain given coordinates

The above range of coordinates is the approximate range of 7 townships of Xichuan county in which the project will be implemented. As the project does not take place at one single location but in different villages, a single precise location cannot be defined and named. Sirreon technology & development (Beijing) Co., Ltd will coordinate all the installations, monitor the operation (and therefore the emission reductions), and support the families regarding financing, installing and maintaining the solar cookers.

D.2. Map

[See Toolkit 1.6]



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]

According to Annex P of the gold standard toolkit version 2.2, for the retroactive project, the local stakeholder consultation (LSC) is not applicable.

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]

Stakeholder feedback round was performed based on the stakeholder invitation and interviews. The invitation methods include email, posting the notification, TV advertising and individual invitation and interview etc. All relevant stakeholders including local residents and official representatives, official representative of Chinese DNA, GS NGO supporters have been invited for comments.

The draft PDD and passport had been uploaded on the GS Registry and the documents had been made publicly available to the stakeholders for two months from 16/04/2013 during stakeholder feedback round. Besides uploading on the GS Registry, the documents were also being publicly available to the stakeholders who ask for them during stakeholder feedback round.

There was no negative comment received from the stakeholders. The project participants explained to the stakeholders that the project activity will continuously contribute to the local sustainable

development.

As per Annex C of GS ver2.2, for the project type "the improved distributed heating and cooking devices", the project participant has collected stakeholder feedback during stakeholder feedback round and there is no feedback received from stakeholders on transfer of credit ownership.

i. Invitation tracking table

Category code	Organisation (if relevant)	Name of invitee	Way of invitation	Date of invitation	Confirmation received? Y/N
A	Local resident	Zhao Shuyin	Noticed by village leader and notice	25/04/2013	Y
A	Local resident	Tian Xueji	Noticed by village leader and notice	25/04/2013	Y
A	Local resident	Sun Gang	Noticed by village leader and notice	25/04/2013	Y
B	Xichuan Environmental Protection Agency	Ma Yangshen	Telephone& interview reservation	27/04/2013	Y
B	Xichuan Environmental Protection Agency	Liu Yanlun	Telephone& interview reservation	27/04/2013	Y
A	Local resident	Ma chengli	Noticed by village leader and notice	28/04/2013	Y
A	Local resident	Zhang jie	Noticed by village leader and notice	28/04/2013	Y
B	Xichuan Development & Reform Commission	Xu song	Telephone& interview reservation	29/04/2013	Y
B	Xichuan Women's Federation (vice director)	Wan li	Telephone& interview reservation	01/05/2013	Y
B	The Xichuan Agricultural Bureau	Hu Wei	Telephone& interview reservation	01/05/2013	Y
B	The Xichuan Agricultural Bureau	Wang Tiaopei	Telephone& interview reservation	01/05/2013	Y
B	Director of education and sports bureau,	Tian jingshen	Telephone	25/04/2013	Y
E	Local GS expert	Shen Yuhuan	Telephone	27/04/2013	Y
A	Local resident	Jiang Pengfei	Noticed by village leader and notice	03/05/2013	Y
A	Local resident	Ma Zhengxiang	Noticed by village leader and notice	03/05/2013	Y
A	Local resident	Guo Banchi	Noticed by village	03/05/2013	Y

			leader and notice		
D	Nanyang Environment Protection Association	An Weizhong	Telephone & email	09/05/2013	Y
D	Nanyang Institute of Technology green and environmental association	Sun Xiaofeng	Telephone & email	25/04/2013	Y
B	Xichuan Agricultural Science and Technology Service Center	Wang Zengjuan	Telephone& interview reservation	04/05/2013	Y
A	Local resident	Li Fengyu	Noticed by village leader and notice	05/05/2013	Y
A	Local resident	Deng Xiang	Noticed by village leader and notice	06/05/2013	Y
A	Local resident	Yang Shenggui	Noticed by village leader and notice	06/05/2013	Y
A	Local resident	Cao Zhen	Noticed by village leader and notice	09/05/2013	Y
A	Local resident	Wang Lei	Noticed by village leader and notice	09/05/2013	Y
D	Shanghai Environmental Monitoring Center	Pei Bing	Email	25/04/2013	N
B	Xichuan Civil Administration Bureau	Yaozheng	Telephone& interview reservation	10/05/2013	Y
B	Xichuan Civil Administration Bureau	Du Yibing	Telephone	25/04/2013	Y
C	NDRC, China DNA	Unknown recipient	Email	23/04/2013	Y
F	Clean Energy Nepal	Tuladhar Bhusan	Email	23/04/2013	Y
F	Global Environmental Institute (GEI)	Xu Lili	Email	23/04/2013	Y
F	Green Camel Bell (Gansu)	Ran Liping	Email	23/04/2013	Y
F	Greenpeace International	Unknown recipient	Email	23/04/2013	Y
F	HELIO International	O'Connor-Lajambe Helene	Email	23/04/2013	Y
F	Initiative Développement	Lefebvre Olivier	Email	23/04/2013	Y
F	Kangmei Institute of Community Development and	Wu Jiawei	Email	23/04/2013	Y

	Marketing				
F	Mercy Corps	Jim Jarvi	Email	23/04/2013	N
F	REEEP	Harvey Katrin	Email	23/04/2013	Y
F	Shanshui Conservation Center, China	YANG Fangyi	Email	23/04/2013	Y
F	The Climate Group (China)	He Lili	Email	23/04/2013	Y
F	World Vision Australia	Thomson Dr. Dean C	Email	23/04/2013	Y
F	WWF International	Roscher Bella	Email	23/04/2013	Y
F	Yunnan Green Environment Development Foundation, China	Wang Mei	Email	23/04/2013	Y

ii. Text of Email invitation to NGOs

Dear Sir/Madam and whoever concerns,

Nanyang Danjiang River Solar Cooker Project Phase I which has been registered as CDM project on 02/05/2012 is going to be developed as a Gold Standard Project. We think this project makes our contribution to addressing climate change and reducing GHG emission. We hope that the project and the social responsibility of our company could obtain international recognition through the validation of this project by DOE.

Sirreon Technology and Development (Beijing) Co., Ltd. has started conduct a stakeholder consultation (Stakeholder Feedback Round) for the proposed project.

According to the relevant rules of Gold Standard, with this letter, we would like to invite you to participate in and/or witness this stakeholder consultation (Stakeholder Feedback Round). We hope you can make comments and give your feedback on this project.

Enclosed you will see the Project non-technical description. For more project information please refer to:

<http://cdm.unfccc.int/Projects/DB/TUEV-RHEIN1335494252.18/view>

www.markit.com: please view information for Nanyang Danjiang River Solar Cooker Project Phase I (GS1378)

Thanks and best regards

Su Fanglei

Tel: 18616338931

Email: sufangleigs@163.com

Sirreon Technology and Development (Beijing) Co., Ltd.

Fw:stakeholder consultation of Nanyang Danjiang River Solar Cooker Project Phase I

精简信息

发件人: FL S<sufangleigs@163.com>

收件人: Guolian.Wang

时间: 2013年05月31日 20:41 (星期五)

附件: 1个([W](#)) Non-technical summary Nanyang_Phase I.docx 查看附件

发送状态: 发送成功 查看详情

FYI.

----- Forwarding messages -----

From: "FL S" <sufangleigs@163.com>

Date: 2013-04-23 20:56:24

To: ed@enpho.org, lixu@geichina.org, ranlp@gcbcn.org, supporter.services.int@greenpeace.org, helio@helio-international.org, carbone@id-ong.org, wujiawei1128@yahoo.com.cn, jjarvie@hq.mercycorps.org, katrin.harvey@reeep.org, fyang@shanshui.org, lhe@theclimategroup.org, Dean.Thomson@worldvision.com.au, Bea.Roscher@wwf.ch, wangmei.tracy@163.com

Subject: stakeholder consultation of Nanyang Danjiang River Solar Cooker Project Phase I

Dear Sir/Madam and whoever concerns,

Nanyang Danjiang River Solar Cooker Project Phase I which has been registered as CDM project on 02/05/2012 is going to be developed as a Gold Standard Project. We think this project makes our contribution to addressing climate change and reducing GHG emission. We hope that the project and the social responsibility of our company could obtain international recognition through the validation of this project by DOE.

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www.markit.com: please view information for Nanyang Danjiang River Solar Cooker Project Phase I (GS1378)

Thanks and best regards

Su Fanglei

Tel: 18616338931

Email: sufangleigs@163.com

Sirreon Technology and Development (Beijing) Co., Ltd.

附件(1)

Fig.E1 Email to the NGOs

Non-technical summary of Nanyang Danjiang River Solar Cooker Project Phase I

Nanyang Danjiang River Solar Cooker Project Phase I project located in Xichuan county, Nanyang city, southwest of Henan Province, which is invested and implemented by Sirreon Technology and Development (Beijing) Co., Ltd. This region is an ideal area for solar energy utilization.

The project involves the distribution and installation of 48,000 sets of solar cookers for rural households in seven townships of Xichuan County. The daylighting area of each solar cooker will be no less than 1.7 m² and the rated output is 773.5W_p. The rated total installed capacity of the project is 37.128MW_p.

The proposed project will enable the rural households to efficiently substitute solar energy for the fossil fuel (coal) used in daily cooking and water boiling, avoiding CO₂ emission that would be generated by fossil fuel consumption. It is estimated that 90,204 tCO₂e emission reductions will be produced annually.

The project activity will make much contribution to the local sustainable development in the following aspects:

1. Providing rural residents with a clean, practical and convenient way to meet the energy demand of their daily cooking;
2. Improving the indoor hygiene of rural residents;
3. Improving the living condition and quality of rural residents;
4. Creating employment opportunities for local people;
5. Mitigating GHG emission.

南阳市丹江口水库太阳灶推广项目一期

非技术性简介

南阳市丹江口水库太阳灶推广项目一期（以下称本项目）由中瑞环宇科技发展（北京）有限公司实施建设和运行维护。

本项目位于河南省西南部，南阳市淅川县，所在地区太阳能资源丰富，是开展太阳能资源利用的理想区域。

项目将在南阳市淅川县 7 个乡镇，48,000 户农户家中安装采光面积不小于 1.7 平方米的太阳灶。太阳灶额定功率不低于 773.5W_☉，总装机容量为 37.128 MW_☉。

因此本项目的实施将替代农户在日常做饭、烧水过程中所消耗的化石燃料（煤炭），来实现温室气体 CO₂ 的减排，预计可实现年平均 90,204tCO₂e 的减排量。

Fig.E2 Non-technical summary

iii. Text of public invitations

关于开展南阳市丹江口水库太阳灶推广项目一期、二期 利益相关方反馈意见征询的公告

我公司南阳市丹江口水库太阳灶推广项目一期、二期计划在南阳市淅川县 15 个乡镇 98000 户农户中实施，为每户发放一台采光面积不小于 1.7 平方米、功率不小于 700 瓦的聚光型太阳灶，可减少用户原本使用煤炭燃烧所造成的温室气体 CO₂ 的排放。本项目一期、二期分别涉及

县内的 7 个乡镇和 8 个乡镇。

我公司南阳市丹江口水库太阳灶推广项目一期和二期已分别于 2012 年 5 月 2 日和 2012 年 8 月 17 日成功注册为 CDM 项目。为确保本项目产生有利于可持续发展的真实可靠的环境效益，获得优质的二氧化碳减排信用额，本项目将按照黄金标准(GS)要求，开发成为 GS-VER 项目。

根据黄金标准项目开发要求，所申请项目需进行利益相关方反馈意见征询，其目的是让可能受开发项目影响的利益相关方(包括当地居民、政府机构、民间组织等个人、群体及社团组织)积极表达对拟建项目的意见和建议，以便项目业主在项目实施及运营过程中给予充分考虑。

为此，中瑞环宇科技发展（北京）有限公司自即日起开展了项目一期和项目二期的利益相关方反馈意见征询活动，现我们诚挚邀请您参与并见证本次利益相关方意见征询活动，并就各自所关心的问题发表看法或意见并反馈给我们。

联系人：胡德明

联系电话：010-60238895

电子邮件：sufangleigs@163.com

中瑞环宇科技发展（北京）有限公司
2013 年 4 月 23 日

Announcements were broadcasted on local TV and published on the local County and villages nearby.

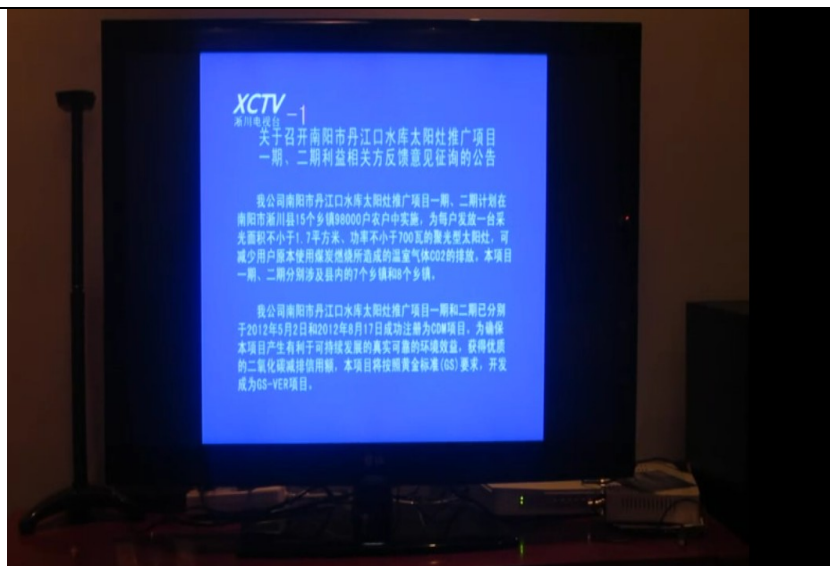


Fig.E3 Announcements broadcasted on local TV



Fig.E4 Announcements published on the local County and villages nearby

iv. Individual invitations and interviews

As the project located at lots of scattered villages and few stakeholders including local residents, official representatives and GS NGO supporters willing to attend a physical meeting, there was not a physical meeting was held. During the individual invitations and interviews, first the printed non-technical summary was provided and the project was explained. Then the printed stakeholder blind sustainable development matrix and 'Do no harm' table were provided and discussed. Finally the continuous input/grievance mechanism was discussed with stakeholders.



Fig.E5 individual invitation and interview

There was no negative comment received during the stakeholder feedback round. The project will be continually remaining open to further comments by continuous grievance mechanism.

The list of interviewed individuals shows as follow:

NO.	Name	Organisation	Contact Detail	Date of interview
1	Zhao Shuyin	Local resident	NO. 26, Group 3, Dazhai, Houpo town, Xichuan county	25/04/2013
2	Tian Xueji	Local resident	NO. 18, Group 1, Dazhai, Houpo town, Xichuan county Tel: 13782192187	25/04/2013
3	Sun Gang	Local resident	NO. 20, Group 1, Xiaoshan, Shangji town, Xichuan county	25/04/2013
4	Ma Yangshen	Xichuan Environmental Protection Agency	0377-60588059	27/04/2013
5	Liu Yanlun	Xichuan Environmental Protection Agency	13525687039	27/04/2013
6	Ma chengli	Local resident	NO. 5, Group 1, Pusatang, Jingziguan town, Xichuan county	28/04/2013
7	Zhang jie	Local resident	NO. 19, Group 1, Pusatang, Jingziguan town, Xichuan county	28/04/2013
8	Xu song	Xichuan Development & Reform	No. 30, Nanyang Road, Xichuan county	29/04/2013

		Commission		
9	Wang li	Xichuan Women's Federation (vice director)	0377-69228213	01/05/2013
10	Hu Wei	The Xichuan Agricultural Bureau	No. 19, Xinjian Road, Xichuan county	01/05/2013
11	Wang Tiaopei	The Xichuan Agricultural Bureau	No. 137, Dongfeng Road, Xichuan county 0377-60563108	01/05/2013
12	Jiang Pengfei	Local resident	0377-69212105	03/05/2013
13	Ma Zhengxiang	Local resident	NO. 8, Group 2, Shuitianying, Taohe town, Xichuan county 13570382508	03/05/2013
14	Guo Banchi	Local resident	NO. 13, Group 3, Shuitianying, Taohe town, Xichuan county	03/05/2013
15	An Weizhong	Nanyang Environment Protection Association	13719793121	09/05/2013
16	Wang Zengjuan	Xichuan Agricultural Science and Technology Service Center	0377-65583769	04/05/2013
17	Li Fengyu	Local resident	NO. 16, Dongshan, Shangji town, Xichuan county	05/05/2013
18	Deng Xianggu	Local resident	NO. 17, Group 1, Yunling, Madeng town, Xichuan county	06/05/2013
19	Yang Shenggui	Local resident	NO. 20, Yanghe, Xianghua town, Xichuan county	06/05/2013
20	Cao Zhen	Local resident	NO. 2, Group 3, Shuangmiao, Taohe town, Xichuan county	09/05/2013
21	Wang Lei	Local resident	NO. 31, Group 1, Shuangmiao, Taohe town, Xichuan county	09/05/2013
22	Yaozheng	Xichuan Civil Administration Bureau	0377-65856329	10/05/2013

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 Comment book will be available outside the wall of Xichuan Agriculture Bureau meeting room. The contact information will be listed on the first page of the book. On each page that follows there is one table, incl. Date, Comment, Action requested from PP, Response from PP, Person designated with responsibility by PP.	All stakeholders have access to provide feedback on this project on this book. Stakeholders are allowed to make anonymous comments should they wish. The project owner will assign one specific person to check the comments in the book daily, record responses, and ensure the safety of the book as well.
Telephone access	Stakeholders can also provide comments via phone. The telephone number (+86-10-60238895) of the project owner is provided to contact. Calls received will be logged and recorded in the same way as the comment book aforementioned.	Stakeholders are not required to give their personal information. The project owner will assign one specific person to answer the phone call daily, record responses.
Internet/email access	Email address (sufangleigs@163.com) of the project owner will be provided as well for stakeholders to provide comments on the internet. Emails comments received will be logged and recorded in the same way in the	The project owner will assign one specific person to check the email daily, record responses.

	comment book.	
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
Human Rights			
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 solar systems are directly provided to the families. The dignity, cultural properties and the economic, social and culture freedom of the participants and local people is not affected. All families decide independently and voluntarily whether they want to participate and every family in the designated project area, who can afford the technology, can participate regardless of their political, social, or ethnical background. As the programme is limited to households no industry is involved that could have negative human rights influences.	Low	N.A.

2. The project does not involve and is not complicit in involuntary resettlement.	There is no resettlement involved, neither by direct measures nor by indirect influences of the project. In contrary it is one of the main goals of the project activity to improve the living condition, environmental, and economical situation of the poor remote regions.	Low	N.A.
3. The project does not involve and is not complicity in the alteration, damage or removal of any critical cultural heritage.	The project will not alter any cultural building or site. The solar cookers are installed in the yard of the rural families. Moreover, the decision if the system is accepted and installed is always made by the rural families themselves and is not dictated by an external authority.	Low	N.A.
Labour Standards			
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.	As the project developer in charge of the overall management and implementation of the project, Sirreon respects all employee freedoms and it does not have any company rules that limit the freedom of association and/or bargaining more than required by Chinese law.	Low	N.A.
5. The project does not involve and is not complicit in any form of forced or compulsory labour.	All the employees of Sirreon Technology and Development (Beijing) Co., Ltd. involved in the project consented to the work on the project and they have the freedom not to work on the project. There is	Low	N.A.

	not any form of forced or compulsory labour.		
6. The project does not employ and is not complicit in any form of child labour.	The project owner will not employ or train any child for any service in terms of the project activity. Only well-trained adult workers can provide the demanded services. Both ILO Convention 138 and 182 have been ratified by China.	Low	N.A.
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.	The project owner has not been discriminating people based on gender, race, religion, sexual orientation or any other basis and will not accept such an exclusion wherever it may appear. China has ratified both ILO Convention 100 and 111.	Low	N.A.
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.	The workers will not be exposed to any hazardous chemicals or other dangerous materials. All the workers are trained to install and maintain the solar systems in a safe way.	Low	N.A.
Environmental Protection			
9. The project takes a precautionary approach in regard to environmental challenges and is not complicit in practices contrary to the precautionary principle. This principle can be defined as: "When an activity raises threats of harm to human health or the environment, precautionary measures should be taken even if some cause and effect relationships are not fully	No significant impact of noise, wastewater and dust will be caused by the project. The trained employees of the project owner observe the operation of the systems and will support the households in order to guarantee an appropriate working process.	Low	N.A.

established scientifically.”			
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.	Neither the production nor the installation or operation of the solar cookers is threatening for the natural habitats.	Low	N.A.
Anti-Corruption			
11. The project does not involve and is not complicit in corruption.	This project complies with the Criminal Law and predecessor regulations, which includes Anti-corruption. All employees are informed that corruption will not be accepted.	Low	N.A.

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			The project can	0

			reduces the emission of CO₂, CO, SO₂, etc. from coal burning, This has direct positive effects to the air and in particular to the indoor air quality. However, in the greater surrounding area, the impact might be very limited and difficult to monitor. Therefore, in order to ensure conservativeness, this indicator is scored neutral.	
Water quality and quantity			The solar cooker project has no effects on water quality and quantity according to the baseline.	0
Soil condition			There is neither link between soil condition and the solar cooker nor any emission from the solar cooker to soil. Hence, there is no impact on soil condition.	0
Other pollutants			Solar cooker reduces soot and cinder from coal burning in the area near the indoor area. However, in the greater surrounding	0

			area, the impact might be very limited and difficult to monitor. Therefore, for the conservative principle, the indicator is scored neutral.	
Biodiversity			As compared to the baseline, no significant change in biodiversity is expected since the project only takes place within the plant boundary.	0
Quality of employment			The type of jobs created by project owner for project monitoring. The project region is an underdeveloped poor region and the majority of employment is agricultural labour or other heavy manual labour with very poor working conditions. The implementation of this project will stimulate the development of solar energy and create more technology- and knowledge-based employment with good working	+

			conditions, which is a significant improvement on local employment quality.	
Livelihood of the poor			The project can help solar cooker users reduce the expenditures from purchasing coal. The project owner will also employ some local peoples to assist with the project monitoring. This will increase local people income. Besides, the project will Improve the indoor hygiene and living condition of rural residents.	+
Access to affordable and clean energy services			The number of solar cookers installed. (This parameter represents the scale of households that have access to clean energy). The project will provide households with clean energy that is otherwise unaffordable for the poor local population. The project will reduce the coal demand and dependency on	+

			fossil fuel.	
Human and institutional capacity			Under the project situation, there is no significant improvement of human and institutional capacity compared the status with the baseline situation. Therefore, this indicator is scored "0".	0
Quantitative employment and income generation			The number of jobs created by project owner for project monitoring, and the average salary of these jobs. The project owner will employ some local peoples for monitoring work, thus creating jobs for the local.	+
Access to investment			Compared with the baseline scenario, there is no significant difference in terms of access to investment because the project will not impact the PO's trade, and the PO will not import any equipment for the project.	0
Technology transfer and			The technology is locally available and	0

technological self-reliance			mature, and no technology transfer happened.	
Justification choices, data source and provision of references				
Air quality	According to page 3 of EIA, the project belongs to clean energy project, which have very little impact on the environment. There is no waste gas emitted to atmosphere and do not result in negative impact to the local air quality. The indicator is scored 0.			
Water quality and quantity	According to page 2 of EIA, the construction and operation of the solar cooker project is irrelevant to local water quality and quantity.			
Soil condition	According to the common sense and experience, the usage of solar cooker is irrelevant to soil condition. The relevance with soil is mentioned in neither Environmental Assessment Report nor product description.			
Other pollutants	Using solar cookers will reduce other pollutants such as the smoke, dust, and dirt caused by coal-fired stoves. Reference: “The True Cost of Coal, M. Yushi, S.Hong, Y.Fuqiang, coord. Greenpeace, WWF, The Enety Foundation, 2008.” http://www.greenpeace.org/eastasia/PageFiles/301168/the-true-cost-of-coal.pdf However, in the greater surrounding area, the impact might be very limited and difficult to monitor. Therefore, for the conservative principle, the indicator is scored neutral.			
Biodiversity	According to common sense, the project has no effect on biodiversity.			
Quality of employment	The project region is an underdeveloped poor region and the majority of employment is agricultural labour or other heavy manual labour with very poor working conditions. The implementation of this project will stimulate the development of solar energy and create more technology and knowledge-based employment with good working conditions, which is a significant improvement on local employment quality.			
Livelihood of the poor	The project will reduce the villagers’ expenditure on coal and employ some local peoples to assist with the project monitoring. This will increase local people income. Reference: PDD of Nanyang Danjiang River Solar Cooker Project Phase I Page 4 of project proposal.			
Access to affordable and clean energy services	The project will provide household with clean energy that will be otherwise unaffordable for the poor local population. The project will reduce the coal demand and dependency on fossil fuel. Reference:			

	PDD of Nanyang Danjiang River Solar Cooker Project Phase I
Human and institutional capacity	Under the project situation, there is no significant improvement of human and institutional capacity compared the status with the baseline situation. Therefore, this indicator is scored "0".
Quantitative employment and income generation	Manufacturing, handling, and transportation of such large amount of solar cooker will increase work opportunities. Moreover, monitoring work will select suitable people from the local peasant to record the usage of solar cooker. Compared with baseline, the number of employment is increased. Reference: PDD of Nanyang Danjiang River Solar Cooker Project Phase I
Access to investment	According to the financial analysis in PDD, the project will not impact the access to investment.
Technology transfer and technological self-reliance	The solar cooker technology is mature, locally available and all the equipment engaged in the project is domestic. Therefore, there is no technology transfer happened.- Reference: PDD of Nanyang Danjiang River Solar Cooker Project Phase I

SECTION G. Sustainability Monitoring Plan

[See Toolkit 2.4.3 and Annex I]

Copy Table for each indicator

No	1
Indicator	Quality of employment
Mitigation measure	
<i>Repeat for each parameter</i>	
Chosen parameter	Type of job generated by the project monitoring activity
Current situation of parameter	The project region is an underdeveloped poor region and the majority of employment is agricultural labour or other heavy manual labour with very poor working conditions.
Estimation of baseline situation of parameter	0
Future target for parameter	The implementation of this project will stimulate the development of solar energy and create more technology- and knowledge-based

		employment with good working conditions, which is a significant improvement on local employment quality.
Way of monitoring	How	Working duties and hours of the people employed for monitoring
	When	Yearly
	By who	Project owner

No	2	
Indicator	Livelihood of the Poor	
Mitigation measure		
<i>Repeat for each parameter</i>		
Chosen parameter	Reduced expenditures from purchasing coal	
Current situation of parameter	0	
Estimation of baseline situation of parameter	The baseline is that the project is not taking place. Therefore the baseline parameter value is 0.	
Future target for parameter	The expenditures on coal purchasing will be saved for the solar cooker users	
Way of monitoring	How	Questionnaires survey or justification from the publicly accessible sources.
	When	Yearly
	By who	Monitoring team employed by project owner

No	3	
Indicator	Access to affordable and clean energy services	
Mitigation measure		
<i>Repeat for each parameter</i>		
Chosen parameter	The number of solar cookers installed. This parameter represents the scale of households that have access to clean energy.	

Current situation of parameter		0
Estimation of baseline situation of parameter		The parameter is related to the number of solar cooker stoves installed by the project activity. The baseline is that the project is not taking place. Therefore the baseline parameter value is 0.
Future target for parameter		48,000
Way of monitoring	How	Record the number of operating solar cookers
	When	Yearly
	By who	Monitoring team employed by project owner

No		4
Indicator		Quantitative employment and income generation
Mitigation measure		
<i>Repeat for each parameter</i>		
Chosen parameter		The number of jobs created by project owner for project monitoring, and the average salary of these jobs.
Current situation of parameter		0
Estimation of baseline situation of parameter		The baseline is that the project is not taking place. Therefore the baseline parameter value is 0.
Future target for parameter		30- 40 (Current estimation, subject to change)
Way of monitoring	How	The number of people employed for project monitoring and their salaries
	When	Yearly
	By who	Project owner

Additional remarks monitoring

No furthermore remarks about monitoring.

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

H.2. Conservativeness

[See Toolkit 2.2]

N/A

ANNEX 1 ODA declaration

[See Toolkit Annex D]



Date: 2012-3-20

The Gold Standard Foundation

79 Avenue Louis Casai

Geneva Cointrin, CH-1216

Switzerland

RE: Declaration of Non-Use of Official Development Assistance by Project Owner of GS1378

Sirreon Technology and Development (Beijing) Co., Ltd.

As Project Owner of the above-referenced project, and acting on behalf of all Project Participants, I now make the following representations:

Fanglei Su

I hereby declare that I am duly and fully authorized by the Project Owner of the above-referenced project to act on behalf of all Project Participants and make the following representations:

I. The Gold Standard Documentation

I am familiar with the provisions of The 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 with the condition that some, or all, of the carbon credits [CERs, ERUs, or VERs] coming out of the project are transferred to the ODA donor country. I hereby 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 carbon credits 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 carbon credits generated from the project as a condition of investment, I will notify The Gold Standard immediately using the Amended ODA Declaration Form provided below.

III. Investigation





The Gold Standard reserves the right to conduct an investigation into any project it reasonably believes may be receiving ODA with the condition that some or all of the carbon credits from the project will be transferred to the ODA donor country.

IV. Sanctions

I am fully aware that the sanctions identified in The Gold Standard Terms and Conditions may be applied to me or the above-referenced project in the event that any of the information provided above is false or I fail to notify The Gold Standard of any changes to ODA in a timely manner.

I swear that all of the statements contained herein are true to the best of my knowledge.

Signed: _____

Name: _____

Title: _____

On behalf of: Sirreon Technology and Development (Beijing) Co., Ltd.

Place: _____

