

Fifth Progress Report (July 2016 – December 2016)

Result Based Financing Scheme for
Sustainable Hood-stove Market in
Nepal

Office Responsible: Practical
Action South Asia Regional Office
Submission date: 06/02/2017
Submitted to: GIZ EnDev

PRACTICAL ACTION
Technology challenging poverty



1. BACKGROUND

1.1 Introduction

Practical Action with funding support of GIZ EnDev programme is implementing “**Sustainable Hood-stove Market in Nepal**” project to provide clean, efficient and safe cooking solutions to 30,000 households in Nepal by establishing sustainable market of hood-stoves. The project offers “hood-stove” solution as a complete package of a specifically designed smoke-hood and an improved biomass stove to tackle both the issues of inefficient use of biomass fuel and high levels of harmful emissions.

The project has been in implementation since October 2014. First adjustment of the project was made just after Nepal Earthquake 2015. This is fifth half yearly progress report which covers project updates of July 2016 – December 2016 period.

1.2 Objectives of the Project

The overall objective of the project is establishing sustainable market of clean cook-stoves in Nepal to provide clean, efficient and safe cooking solutions to rural households. Specific objectives of the project include:

- To strengthen private-sector led clean cook-stove marketing approach;
- To strengthen market chain of clean cook-stoves; and
- To minimise respiratory health problems in rural Nepal

Learning objectives of the project includes:

- Setting incentives that enable poor users to purchase and benefit push products despite their low financial means.
- Innovative financing for clean cook-stoves through preferential loans via cooperatives as an alternative to the current approach of providing substantial subsidies for certain types of clean cook-stoves.

1.3 Project Targets

The project aims to achieve the following targets:

- Strengthen technical and business development skill of 10 formal hood-stove or clean cook-stoves manufacturing companies or business companies and 200 craftsmen and sales agents;
- Provide technical assistance to around 150 village-level cooperatives for setting-up of their new credit lines for clean cook-stoves technologies;
- Installation of hood-stoves in at least 10,000 households and portable clean cook-stoves 21,200 households.

2. 2. ACTIVITY PROGRESS FROM JULY - DECEMBER 2016

2.1 Hood-stove and portable cook-stoves sales/installation

There have been verified sales of additional 2,841 clean cook-stoves including hood-stove in this reporting period. Total cumulative result created under the project till end of December 2016 was 13,116 as described in Table 1 below:

Table 1: Cook-stove sales data till December 2016

S.N.	Stove Types	Sold quantity
1.1	Hood stove	148
2.1	Greenway jumbo	6,253
2.2	Envirofit -pcs-1	98
2.3	Greenway smart	3,761
2.4	NEDCO	1,551
2.5	Adarsha chula	1,304
2.6	SPFM-4	1
	Total	13,116

2.2 Creation of Market System Actors

The project is trying to create vibrant and sustainable market system of the clean cook-stoves and hood-stoves in Nepal. Till date, efforts have been directed on strengthening the supply chain and support services of the clean cook-stoves market system.

2.2.1 Manufacturing Companies or Stove Importers

One local portable cook-stove manufacturing company and two hood-stove fabrication companies are actively involved in production and supply. Two more hood-stove companies have been listed under the project and have already established their factories and started to collect demands. Similarly, four portable cook-stove importers are actively involved in import and supply of cook-stoves.

2.2.2 Local cook-stove distributors, retailers and marketing agents

Among 12 actively involved cook-stove distributors, due to decreasing demand of cook-stoves in recent months few of the local distributors have not been able to sale stoves. Still they are actively doing marketing and interested to do more because they think that this decrease in demand is temporary and will increase in future. Business of few distributors is still good and they are performing well.

2.2.3 Cooperatives

Twenty additional local saving & credit cooperatives have entered into agreement in this reporting period with the project to provide loan for the cook-stoves.

2.3 Verification and RBF Incentives Release

2.3.1 Verification by the RBF fund Manager Bank

The partner NGOs, on behalf of the RBF fund manager, have completed verification of 2,841 (total 13,116) total cook-stoves sales and RBF incentives have been released by the RBF fund manager (NMB Bank) accordingly. According to the NGOs, 40% verification was done by phone enquiry, 25% by household visit and rest 35% were verified through local leaders, cooperatives and other reliable sources (asked with local teacher, health worker, cooperative staff, local leader etc.).

2.3.2 Third Party Verification

Third party verification has been completed by SAAR Consultancy Services. Selection of the consultancy for the task was made by a committee comprised of GIZ EnDev, AEPC and Practical Action after having different rounds of meeting.

The consultants' team visited 608 households (5.9% of total). Stratified Random Sampling methodology was used to select the households. The survey methodology was also discussed and agreed by the committee comprised of GIZ EnDev, AEPC and Practical Action.

According to the verification, except one (Birat) other cook-stove distributors have been found performing and delivering as per the project modality and have good documentation. In case of Birat supplier, the customers' name they submitted to claim RBF incentives and actual users were not matching in few cases. According to the Birat supplier they collected demand using the same forms and supplied cook-stoves. But in few cases actual sales did not happen in few cases to the same family. They collected sales confirmation forms as well. But by mistake demand forms were submitted instead of sales confirmation forms. The Birat Supplier has already realised their mistake in documentation process and submitted new list of customers.

In addition, the verifier did cross verification by checking their cook-stoves procurement bills, which was satisfactory. There does not seem any intentional misuse but unintentional error in documentation process due to lack of adequate knowledge at the initial phase of the project was noticeable. The newly submitted list by Birat, will be re-verified by the representative of the RBF fund manager bank and a team from Practical Action at a later stage.

2.4 Hood-stove Performance Testing

Renewable Energy Test Station (RETS) has performed field testing of two models of cook-stoves (single pot mud hood-stove and double pot mud hood-stove) in randomly selected two households in Patle village, Khalte VDC of Dhading District from 16th December 2016 January 2015 to 21st December, 2016. The stoves were tested using the Water Boiling Test (WBT version 4.2.3) and safety protocol (Iowa State University) ascribed by Global Alliance for Clean Cook-stoves (GACC).

According the test results, the hood-stove with two pot holes stove meets the Nepal Interim Benchmark for solid biomass Cook-stoves (NIBC), 2016 for natural draft chimney stove. But the hood-stove with single pot hole resulted in lower efficiency than the NIBC requirement. This might be due selection of newly installed stove during sampling. But we have already started process to improve the design and meet NIBC requirement. We have plans to do another testing in near future.

2.4 Capacity Building Activities

2.4.1 Hood-stove fabrication and Installation

Five days long hood-stove fabrication and installation training was provided to two entrepreneurs from Nuwakot district. Likewise, around 25 artisans employed by the entrepreneurs received on the job training for hood-stove fabrication and installation in Dhading and Makwanpur districts.

2.4.2 New Hood-stove Design Development

Two volunteers from Aalborg University, Denmark completed their work on design improvement of smoke hood and came up with recommendations on design improvement after various consultations with community. A prototype model has been installed in Gorkha with the improved design. They also trained four local artisans and partner NGO staff to

fabricate and install the new smoke hood design. The volunteers spent three months in Nepal.

2.4.3 Marketing of cook-stove and gender issues

Participatory Market System Development workshop were held with the local hood-stove and cook-stove entrepreneurs, cooperatives and NGO to strengthen market system of the products and remove market barriers in Gorkha and Dhading district in December 2016. The GESI Coordinator from Practical Action also joined the workshops and interacted with the project parties on gender and social inclusion issues.

2.4.4 Capacity building of Local Cooperatives

A meeting was organised with 14 cooperatives of Dhading district to orient them on loan mobilisation for portable cook-stoves and hood-stoves, and creation credit line under them for this purpose. Similar meeting was held in Gorkha district also in August 2016 participated by 12 local cooperatives.

2.5 Marketing and Promotional Activities

Marketing and awareness creation activities are in progress. The local cook-stove distributors are doing marketing mobilising their marketing agents and retailers supported by the local partner NGOs. Few key highlights of carried-out activities during this reporting period include:

- Three local FM radios: Rasuwa 102.1 MHz, Langtang FM 90.3 MHz and Radio Gosainkunda 95.6 MHz have been developing and airing a weekly radio programme "Gharbhitrako Dhuwa (Household Air Pollution)" for last 9 months
- District level workshop organised at Dhunche, Rasuwa to develop coordination with the organisations working on house reconstruction
- A national newspaper (Republica) published an article on our project activities. <http://www.myrepublica.com/news/9601>
- A multi-media blog has been prepared by the Communication Officer, Practical Action. <http://practicalaction.org/blog/news/inside-nepali-kitchens/>

2.7 Visits

There have been regular monitoring visits by the project staff to the project districts. Besides that there were few visits by other people which are listed below:

- A journalist from Sun newsletter visited the project site at Dhading and wrote an article on household air pollution. Link: <https://www.thesun.co.uk/living/2225640/it-kills-more-people-than-aids-tb-and-malaria-combined-and-youve-probably-never-heard-of-it/>
- A celebrity Vlogger from UK visited Kalte VDC in Dhading and prepared a video documentary about the project and posted in her blog.
- A two member team from Practical Action UK Office visited Gorkha and prepared a 360 degree video.

The project team just facilitated the teams for the field visit and to interact with the communities. Their visits are not directly related with the project. However, they came to learn about the problem and its solutions in the field.

2.8 Project Auditing

B.K. Agrawal & Co. I (member Crowe Horwath International) carried-out expenditure verification of the project. They verified the expenditures done by the RBF fund manager bank (NMB bank) till June 2016 since the beginning of the project.

2.9 Participation at Project Learning and Sharing Workshop

The Project Manager participated in a learning sharing workshop organized by GIZ EnDev at Kigali, Rwanda in July 2016. He shared progress, learning and plan of the project there.

2.10 Project Coordination and DPAC meetings

As per the compliance of Government of Nepal, meetings of District project advisory committees were organised once in the reporting period in all project districts.

2.11 Mid-term Evaluation of the Project

As per the Nepal Government's compliance, process has been started to carry-out a mid-term evaluation of the project from Social Welfare Council (SWC). The SWC is the focal point for international non-governmental organizations (INGOs) in Nepal. It is, mandatory to every INGOs to carryout evaluation of their projects from the SWC.

3. ISSUES/PROBLEMS IN PROJECT IMPLEMENTATION

Considering the severe impact of the earthquake to this project, first adjustment in project was done just after the earthquake. After the adjustment, the project was running smoothly. But new problems have been emerged in the project districts in due course of the implementation which might hamper to achieve project targets. There is a need to take timely necessary actions to bring the project back on track. The project is facing problems to create adequate demand of cook-stoves and hood-stoves in existing project districts due various reasons as described below:

- **Market distortion and saturation of portable cook-stove due to free distribution of cook-stoves:** There has been market distortion and saturation of portable cook-stove due to free distribution of cook-stoves in the existing project districts. More than 68 thousand portable cook-stove were distributed free of cost in 14 highly earthquake affected districts (more than 20,000 in our project districts only) by Alternative Energy Promotion Centre (AEPC) and many other relief organizations after the April 2015 earthquake. Free distribution of cook-stove is still on-going. There is a plan by AEPC to distribute 7,700 free cook-stove in near future (total 20,000 in 14 districts). Due to the market distortion and saturation, there has been problem to create enough of portable clean cook-stoves in existing project districts. A request letter was submitted to AEPC for stopping free distribution of cook-stoves also. AEPC showed their inability to do so and requested us to expand the project to new locations and for that they pledge their necessary also.
- **Delay to reconstruct houses leading to low demand of hood-stoves:** There has been too much delay to start house reconstruction works due to various reasons. Looking existing progress and preparation, it seems that the house reconstruction is not possible for another one year. The families without permanent houses are reluctant to purchase hood-stoves.
- **Price increase due to earthquake:** There is more than 25% price increase of raw materials and skilled labour cost after the earthquake. It has direct implication in price of hood-stoves and consequently on demand of it. It is projected that there will be further increase in price, which will make demand creation more challenging.

4. DISCUSSION & CONCLUSIONS

The cook-stove entrepreneurs promoted by the project are facing problem to create enough demand of cook-stoves including hood-stoves due to market distortion of cook-stoves in the existing project districts as explained in Section 3 above. Although many families have been

benefitted from the clean cook-stoves access, it has negative impact on the sustainable cook-stove market growth.

Demand of hood-stoves is increasing but the growth is very slow due to delay in house reconstruction which is delayed from the Government's side to release cash grants to affected families. There have been verified sales of additional 2,841 clean cook-stoves and hood-stoves during the reporting period. Total cumulative result created under the project till end of December 2016 was 13,116.

There is an urgent need to solve the problems the project is facing. After having consultations with the existing project partner NGOs, private sectors and AEPC, we propose two adjustments in the project as solutions which are outlined below:

- Adjustment 1: Project area expansion to new location which is less affected by last year's earthquake.
- Adjustment 2: Revision in existing RBF incentive levels

A second adjustment of the project proposal has been developed accordingly and forward to Practical Action Head Office, requesting them for additional fund to implement the adjustment and submitted GIZ EnDev for approval of the adjustment plan.

5. PLANNED ACTIVITIES FOR NEXT SIX MONTHS

Following activities are planned for next six months of the project:

- Organise an annual project review meeting
- Complete the mid-term evaluation of the project from the Social Welfare Council (SWC), Nepal.
- Finalise the second adjustment of the project and implement it.
- Involve more entrepreneurs, cooperatives and other market actors in market system. Invite application from additional entrepreneurs mainly from woman entrepreneurs. Provide capacity building training to them and their staff.
- Coordinate with the organizations working in house reconstruction work to make clean kitchen in reconstructed houses

6. ANNEXES

Annex 1: Project's KPI Indicators

RBF Key Performance Indicator (KPI)	Target	Achieved
Number of beneficiaries (EnDev counting method)	148,500	65,580
EUR per beneficiary	11	7.95
t CO ₂ e avoided (over the lifetime of products sold during project)	268,319	26,232
EUR per t CO ₂ e avoided	6.24	4.97
Private sector leverage ratio	1,3	1:1
Jobs created	100	84
Enterprises created/upgraded	10	16
Technologies deployed	31,200	13,116
Progress on RBF in monitoring period		
<ul style="list-style-type: none"> ○ There have been verified sales of additional 2,841 clean cook-stoves including hood-stove during the reporting period. Total cumulative result created under the project till end of December 2016 was 13,116. Verifications of the results completed and RBF incentives were released accordingly. ○ Third party verification has been completed by SAAR Consultancy Services. ○ B.K. Agrawal & Co. I (member Crowe Horwath International) carried-out expenditure verification of the project. They verified the expenditures done by the RBF fund manager bank (NMB bank) till June 2016 from beginning of the project. ○ Hood-stove performance test of Renewable Energy Test Station (RETS) at the field completed. ○ On-the-job hood-stove fabrication and installation training provided to 25 persons. ○ Two student volunteers from Aalborg University, Denmark completed their work on design improvement of Smoke hood and come up with recommendations on design improvement. ○ Workshops with the cooperative, entrepreneurs and other stakeholders were held as per the need. ○ News of the project has been well covered by national media. A national newspaper (Republica) published an article on our project activities. http://www.myrepublica.com/news/9601. Likewise, three local FM radios: Rasuwa 102.1 MHz, Langtang FM 90.3 MHz and Radio Gosainkunda 95.6 MHz have been developing and airing a weekly radio programme "Gharbhitrako Dhuwa (Household Air Pollution)" from last 9 months ○ As per the Nepal Government's compliance, process has been started to carry-out a mid-term evaluation of the project from Social Welfare Council (SWC). 		
RBF learning points		
Learning objectives: <ul style="list-style-type: none"> ○ Setting incentives that enable poor users to purchase and benefit push products despite their low financial means. ○ Innovative financing for ICS through preferential loans via cooperatives as an alternative to the current approach of providing substantial subsidies for certain types of ICS. 		
RBF impact indicators		

Reduced Deforestation, Improved Health, Improved Livelihoods, Improved Gender Dynamics, Private Sector Development and Economic Growth, Reduced Emissions, Improved Climate Resilience.



Annex 2: RBF MONITORING SHEET



From: Practical Action
 Reporting Person:
 Reporting To: GIZ/EnDev
 Reporting Period: From January 2015 To November 2016

SN	District/Community	Name of local partner	DFID-funded RBF	Other donor involvement	Type of stove	Cook-stove Tier	Efficiency	Generation of CO2 certificates	Price of system (€)	Expected lifespan in years	Type of subsidies	No. of systems sold	Total sold systems in the market	Fulfilling EnDev criteria	Average no. of systems purchased per household	No. of people per household	Correction factor (%)	Own contribution by household/SI/PU per system/connection (€)	Local contribution by national government per system/connection (€)	EnDev subsidy per system/connection (€)	Subsidy of other donors per system/connection (€)	% already have access to improved cooking	% provided with electricity through EnDev	Windfall gain factor (%)	Sustainability factor (%)	Remarks
1.01	Dhading	Focus Nepal	yes	no	Portable clean cook-stove (Greenway Smart)	Tier-2	26.60%	no	33.72 €	5.0	RBF incentives	363	363	Yes	1.0	4.6	0	8.47 €	0.00 €	25.26 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 2.84/stove for local distributor
1.02	Dhading	Focus Nepal	yes	no	Portable clean cook-stove (Greenway Jumbo)	Tier-2	29.79%	no	43.47 €	5.0	RBF incentives	869	869	Yes	1.0	4.6	0	11.58 €	0.00 €	31.90 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 3.62/stove for local distributor
1.03	Dhading	Focus Nepal	yes	no	Portable clean cook-stove (NEDCO stoves)	Tier-2	34.42%	no	41.59 €	5.0	RBF incentives	191	191	Yes	1.0	4.6	0	10.39 €	0.00 €	31.21 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 3.53/stove for local distributor
1.04	Dhading	Focus Nepal	yes	no	Portable clean cook-stove (Adarsha stoves)	Tier-2	32.58%	no	37.34 €	5.0	RBF incentives	200	200	Yes	1.0	4.6	0	6.14 €	0.00 €	31.21 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 3.19/stove for local distributor
1.05	Dhading	Focus Nepal	yes	no	Portable clean cook-stove (Envirofit - PCS 1)	Tier-2	25.46%	no	44.27 €	5.0	RBF incentives	5	5	Yes	1.0	4.4	0	12.37 €	0.00 €	31.90 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 3.62/stove for local distributor
1.06	Gorkha	GORETO	yes	no	Portable clean cook-stove (Greenway Smart)	Tier-2	26.60%	no	33.72 €	5.0	RBF incentives	1,165	1165	Yes	1.0	4.1	0	8.47 €	0.00 €	25.26 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 2.84/stove for local distributor
1.07	Gorkha	GORETO	yes	no	Portable clean cook-stove (Greenway Jumbo)	Tier-2	29.79%	no	43.47 €	5.0	RBF incentives	1,147	1147	Yes	1.0	4.1	0	11.58 €	0.00 €	31.90 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 3.62/stove for local distributor
1.08	Gorkha	GORETO	yes	no	Portable clean cook-stove (NEDCO stoves)	Tier-2	34.42%	no	41.59 €	5.0	RBF incentives	140	140	Yes	1.0	4.1	0	10.39 €	0.00 €	31.21 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 3.54/stove for local distributor
1.09	Gorkha	GORETO	yes	no	Portable clean cook-stove (Adarsha stoves)	Tier-2	32.58%	no	37.34 €	5.0	RBF incentives	664	664	Yes	1.0	4.1	0	6.14 €	0.00 €	31.21 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 3.19/stove for local distributor

SN	District/Community	Name of local partner	DFID-funded RBF	Other donor involvement	Type of stove	Cook-stove Tier	Efficiency	Generation of CO2 certificates	Price of system (€)	Expected lifespan in years	Type of subsidies	No. of systems sold	Total sold systems in the market	Fulfilling EnDev criteria	Average no. of systems purchased per household	No. of people per household	Correction factor (%)	Own contribution by household/S/PU per system/connection (€)	Local contribution by national government per system/connection (€)	EnDev subsidy per system/connection (€)	Subsidy of other donors per system/connection (€)	% already have access to improved cooking	% provided with electricity through EnDev	Windfall gain factor (%)	Sustainability factor (%)	Remarks
1.10	Rasuwa	ISAEFF	yes	no	Portable clean cook-stove (Greenway Smart)	Tier-2	26.60%	no	33.72 €	5.0	RBF incentives	55	55	Yes	1.0	4.7	0	8.47 €	0.00 €	25.26 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 2.84/stove for local distributor
1.11	Nuwakot	ISAEFF	yes	no	Portable clean cook-stove (Greenway Smart)	Tier-2	26.60%	no	33.72 €	5.0	RBF incentives	1,030	1030	Yes	1.0	4.7	0	8.47 €	0.00 €	25.26 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 2.84/stove for local distributor
1.12	Rasuwa	ISAEFF	yes	no	Portable clean cook-stove (Greenway Jumbo)	Tier-2	29.79%	no	43.47 €	5.0	RBF incentives	638	638	Yes	1.0	4.7	0	11.58 €	0.00 €	31.90 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 3.62/stove for local distributor
1.13	Nuwakot	ISAEFF	yes	no	Portable clean cook-stove (Greenway Jumbo)	Tier-2	29.79%	no	43.47 €	5.0	RBF incentives	436	436	Yes	1.0	4.7	0	11.58 €	0.00 €	31.90 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 3.62/stove for local distributor
1.14	Rasuwa	ISAEFF	yes	no	Portable clean cook-stove (Envirofit - PCS 1)	Tier-2	25.46%	no	44.27 €	5.0	RBF incentives	4	4	Yes	1.0	4.7	0	12.37 €	0.00 €	31.90 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 3.62/stove for local distributor
1.15	Nuwakot	ISAEFF	yes	no	Portable clean cook-stove (Envirofit - PCS 1)	Tier-2	25.46%	no	44.27 €	5.0	RBF incentives	4	4	Yes	1.0	4.7	0	12.37 €	0.00 €	31.90 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 3.62/stove for local distributor
1.16	Rasuwa	ISAEFF	yes	no	Portable clean cook-stove (NEDCO stoves)	Tier-2	34.42%	no	41.59 €	5.0	RBF incentives	32	32	Yes	1.0	4.7	0	10.39 €	0.00 €	31.21 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 3.53/stove for local distributor
1.17	Nuwakot	ISAEFF	yes	no	Portable clean cook-stove (NEDCO stoves)	Tier-2	34.42%	no	41.59 €	5.0	RBF incentives	117	117	Yes	1.0	4.7	0	10.39 €	0.00 €	31.21 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 3.53/stove for local distributor
1.18	Rasuwa	ISAEFF	yes	no	Portable clean cook-stove (Adarsha stoves)	Tier-2	32.58%	no	37.34 €	5.0	RBF incentives	101	101	Yes	1.0	4.7	0	6.14 €	0.00 €	31.21 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 3.19/stove for local distributor
1.19	Nuwakot	ISAEFF	yes	no	Portable clean cook-stove (Adarsha stoves)	Tier-2	32.58%	no	37.34 €	5.0	RBF incentives	269	269	Yes	1.0	4.7	0	6.14 €	0.00 €	31.21 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 3.19/stove for local distributor
1.20	Makawanpur	MRC Nepal	yes	no	Portable clean cook-stove (Greenway Smart)	Tier-2	26.60%	no	33.72 €	5.0	RBF incentives	1,095	1095	Yes	1.0	4.4	0	8.47 €	0.00 €	25.26 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 2.84/stove for local distributor
1.21	Makawanpur	MRC Nepal	yes	no	Portable clean cook-stove (Greenway Jumbo)	Tier-2	29.79%	no	43.47 €	5.0	RBF incentives	24	24	Yes	1.0	4.4	0	11.58 €	0.00 €	31.90 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 3.62/stove for local distributor

SN	District/Community	Name of local partner	DFID-funded RBF	Other donor involvement	Type of stove	Cook-stove Tier	Efficiency	Generation of CO2 certificates	Price of system (€)	Expected lifespan in years	Type of subsidies	No. of systems sold	Total sold systems in the market	Fulfilling EnDev criteria	Average no. of systems purchased per household	No. of people per household	Correction factor (%)	Own contribution by household/SP/PU per system/ connection (€)	Local contribution by national government per system/ connection (€)	EnDev subsidy per system/ connection (€)	Subsidy of other donors per system/ connection (€)	% already have access to improved cooking	% provided with electricity through EnDev	Windfall gain factor (%)	Sustainability factor (%)	Remarks
1.22	Makawanpur	MRC Nepal	yes	no	Portable clean cook-stove (Envirofit - PCS 1)	Tier-2	25.46%	no	44.27 €	5.0	RBF incentives	85	85	Yes	1.0	4.4	0	12.37 €	0.00 €	31.90 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 3.62/stove for local distributor
1.23	Makawanpur	MRC Nepal	yes	no	Portable clean cook-stove (NEDCO stoves)	Tier-2	34.42%	no	41.59 €	5.0	RBF incentives	100	100	Yes	1.0	4.7	0	10.39 €	0.00 €	31.21 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 3.53/stove for local distributor
1.24	Makawanpur	MRC Nepal	yes	no	Portable clean cook-stove (SPFM-04N)	Tier-3	35.41%	no	92.22 €	5.0	RBF incentives	1	1	Yes	1.0	4.6	0	37.31 €	0.00 €	54.91 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 2.60/stove for local distributor
1.25	Makawanpur	MRC Nepal	yes	no	Hood-Stove	Tier-2	20.00%	no	86.21 €	10.0	RBF incentives	142	142	Yes	1.0	4.9	0	68.32 €	0.00 €	17.89 €	0.00 €	6%	0%	0%	90%	There is additional RBF incentives of EUR 32/hood-stove for entrepreneurs and cooperatives
1.26	Dhading	Focus Nepal	yes	no	Hood-Stove	Tier-1 for thermal efficiency	20.00%	no	85.74 €	10.0	RBF incentives	6	6	Yes	1.0	4.6	0	67.85 €	0.00 €	17.89 €	0.00 €	6%	0%	0%	90%	There is additional RBF incentives of EUR 17.88/hood-stove for entrepreneurs and cooperatives
2.01	Dhading	Focus Nepal	yes	no	Portable clean cook-stove (Greenway Smart)	Tier-2	26.60%	no	33.72 €	5.0	RBF incentives	3	3	Yes	1.0	4.6	0	16.83 €	0.00 €	16.90 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 2.32/stove for local distributor
2.02	Dhading	Focus Nepal	yes	no	Portable clean cook-stove (Greenway Jumbo)	Tier-2	29.79%	no	43.47 €	5.0	RBF incentives	3	3	Yes	1.0	4.6	0	22.78 €	0.00 €	20.69 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 2.84/stove for local distributor
2.03	Dhading	Focus Nepal	yes	no	Portable clean cook-stove (NEDCO stoves)	Tier-2	34.42%	no	41.59 €	5.0	RBF incentives	600	600	Yes	1.0	4.6	0	20.91 €	0.00 €	20.69 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 2.84/stove for local distributor
2.04	Gorkha	GORETO	yes	no	Portable clean cook-stove (Greenway Jumbo)	Tier-2	29.79%	no	43.47 €	5.0	RBF incentives	53	53	Yes	1.0	4.1	0	22.78 €	0.00 €	20.69 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 2.84/stove for local distributor
2.05	Gorkha	GORETO	yes	no	Portable clean cook-stove (Adarsha stoves)	Tier-2	32.58%	no	37.34 €	5.0	RBF incentives	70	70	Yes	1.0	4.1	0	18.64 €	0.00 €	18.71 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 2.58/stove for local distributor
2.06	Gorkha	GORETO	yes	no	Portable clean cook-stove (NEDCO stoves)	Tier-2	34.42%	no	41.59 €	5.0	RBF incentives	321	321	Yes	1.0	4.6	0	20.91 €	0.00 €	20.69 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 2.84/stove for local distributor

SN	District/Community	Name of local partner	DFID-funded RBF	Other donor involvement	Type of stove	Cook-stove Tier	Efficiency	Generation of CO2 certificates	Price of system (€)	Expected lifespan in years	Type of subsidies	No. of systems sold	Total sold systems in the market	Fulfilling EnDev criteria	Average no. of systems purchased per household	No. of people per household	Correction factor (%)	Own contribution by household/S/PU per system/connection (€)	Local contribution by national government per system/connection (€)	EnDev subsidy per system/connection (€)	Subsidy of other donors per system/connection (€)	% already have access to improved cooking	% provided with electricity through EnDev	Windfall gain factor (%)	Sustainability factor (%)	Remarks
2.07	Nuwakot	ISAEPF	yes	no	Portable clean cook-stove (Greenway Smart)	Tier-2	26.60%	no	33.72 €	5.0	RBF incentives	14	14	Yes	1.0	4.7	0	16.83 €	0.00 €	16.90 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 2.32/stove for local distributor
2.08	Nuwakot	ISAEPF	yes	no	Portable clean cook-stove (Greenway Jumbo)	Tier-2	29.79%	no	43.47 €	5.0	RBF incentives	2,010	2010	Yes	1.0	4.1	0	22.78 €	0.00 €	20.69 €	0.00 €	5%	0%	0%	90%	There was additional RBF incentives of EUR 2.84/stove for local distributor
2.09	Rasuwa	ISAEPF	yes	no	Portable clean cook-stove (Greenway Jumbo)	Tier-2	29.79%	no	43.47 €	5.0	RBF incentives	1,062	1062	Yes	1.0	4.7	0	22.78 €	0.00 €	20.69 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 2.84/stove for local distributor
2.1	Makawanpur	MRC Nepal	yes	no	Portable clean cook-stove (Greenway Smart)	Tier-2	26.60%	no	33.72 €	5.0	RBF incentives	36	36	Yes	1.0	4.4	0	16.83 €	0.00 €	16.90 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 2.32/stove for local distributor
2.11	Makawanpur	MRC Nepal	yes	no	Portable clean cook-stove (Greenway Jumbo)	Tier-2	29.79%	no	43.47 €	5.0	RBF incentives	11	11	Yes	1.0	4.4	0	22.78 €	0.00 €	20.69 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 2.84/stove for local distributor
2.12	Makawanpur	MRC Nepal	yes	no	Portable clean cook-stove (NEDCO stoves)	Tier-2	34.42%	no	41.59 €	5.0	RBF incentives	50	50	Yes	1.0	4.7	0	20.91 €	0.00 €	20.69 €	0.00 €	0%	0%	0%	90%	There was additional RBF incentives of EUR 2.84/stove for local distributor