



IMPORTANT:

Please summarize your project using the guide questions below. The Summary Sheet will be used in publications to describe the project, and in any information material to be provided to the Jury, Reviewers, and other potential donors.

In describing your proposal, answer the questions clearly and directly. Please answer in English. The number of pages should not go beyond 30, including attachments. Long proposals run the risk of not being read thoroughly.

Nepal Development Marketplace 2008

SECTION I: YOUR PROJECT PROFILE

Project Details	
Proposal Number (provided by Nepal Development Marketplace 2008): 2621	
Title of your project proposal: Dehydration of cash crops and herbs using Hybrid Solar Dryer	
Proposed title for your project banner at the Nepal Development Marketplace 2008 (50 Characters or less. Please use CAPITAL letters) ² APPROPRIATE UTILIZATION OF LOCAL RESOURCES	
Region of Implementation in Nepal: Jhapa, Nepal	
Total Project Cost: NRs. 1,810,000.00	
Amount requested from Nepal Development Marketplace 2008 (note: you cannot exceed the amount you have previously indicated in the concept paper):	In Words: NRs. One million five hundred thousands only
	In Numbers: NRs. 1,500,000.00
Primary Sector of your Proposed Project (please select only one):	
<input type="checkbox"/> Agriculture, Irrigation and Food Security	<input type="checkbox"/> Education
<input type="checkbox"/> Energy	<input type="checkbox"/> Health
<input type="checkbox"/> Information and Communication Technologies	<input type="checkbox"/> Infrastructure (Roads and Transportation)
<input checked="" type="checkbox"/> Small Business and Micro Enterprise Support	<input type="checkbox"/> Water and Sanitation
<input type="checkbox"/> Employment Creation	

¹ Your summary will be presented as you present to Nepal Development Marketplace 2008 team, hence any errors that would appear on the summary will be solely your responsibility.

² Nepal Development Marketplace 2008 team reserves the right to edit the title of your project banner to meet our space and design requirements.

SECTION II: YOUR CONTACT INFORMATION

Applicant's Details

Name Of Your Organization/Institution: Karnali Bachat Tatha Rin Sahakari Sansthan	
Classification Of Your Organization/Institution: Co-operative	
Describe your Organization (Minimum 50 words): Karnali Bachat Tatha Rin Shahakari Sansthan limited, is a co-operative organization, registered in 04-09-2057 under cooperative act in District co-operative office. At present it has mobilized 6910 members out of which 2983 members are women and 1620 members are from deprived sector. The mission of the cooperative is to improve livelihood of its members through economical activities such as saving & credit and income generating activities.	
Contact Person: Kamal Basnet Title: Chair man	
Address: Birtamode, Jhapa	
Office Phone #: 023-541527	Mobile #: 9852673482
E-Mail: cei@enet.com.np	

Name Of Your Primary Partner Organization/Institution: Centre for Renewable Energy (CRE)	
Classification Of Your Partner Organization/Institution: None governmental Organization (NGO)	
Describe your Partner Organization's Role (Minimum 50 words): Centre for Renewable energy (CRE) has developed the hybrid solar dryer and the food dehydrations technology. CRE will implement the pilot project to demonstrate the feasibility of the dehydrated agro-products industries based on renewable energy. further CRE will transfer the technology to the local community and entrepreneurs willing to invest in dehydrated food production.	
Contact Person: Babu Raja Shrestha Title: President	
Address: Jwagal, Lalitpur, Nepal	
Office Phone #: 01-5011010	Mobile #: 9851000493
E-Mail: cre@wiseuse.org.np	

SECTION III: YOUR PROJECT DETAILS

Project Details

A. YOUR PROJECT SUMMARY

Please summarize your project. (Word limits 250). You may include any applicable drawing in separate sheet if applicable.

Nepal is an agricultural land the GDP depend highly upon agro-production. To uplift the GDP it is essential to increase the output of farmland. Increased incomes from farming demand for increases in inputs such as labor, energy and technology.

The resource of the small farmers is small landholdings, and the manual labor capacity. Proper assistance by experts to these farmers will motivate them to focus on cash crop cultivation. Introduction of demand-driven marketing strategies by co-operatives or community-based small-scale food processing units will be able to guarantee appropriate price for such farmers.

Hybrid Solar dryers will be used to dehydrate the agro-products. These dryers will be commonly owned by the community or co-operatives who will establish small scale agro-processing industries. These industries will reduce wastage of products that would otherwise have rotted away due to poor storage. By creating more jobs in the agricultural sector even during off-season periods, it will enhance the income of the farmers / local community by providing employment opportunity, and will also contribute to food security.

Individual small farmers will be bound with cooperatives/user groups for the promotion of non-traditional high value crops cultivation, to enhance productivity and income generation. It will also promote the commercialization of dried cash crops which ultimately contribute to local food security too.

SECTION IV: PROJECT QUESTIONS

Project Question 1

What is the problem(s)/issue(s) your project is addressing? What are the causes of the problem? (maximum 500 words)

Nepal is blessed with natural beauty of assorted climatic zones and rich bio-diversity. This translates to the availability of a wide range of agricultural and non-timber forest produce that can be harvested in a sustainable manner. However, poor farmers in the country have not been able to tap on this resource. This is because they do not have knowledge of high value cash crops and their methods of preservation nor the marketing strategies.

Furthermore, poor farmers are not willing to change their habits and neither are they willing to take risk to change cropping patterns. Farmers would rather stick to traditional ways of cultivation. Another constraint that poor farmers face is that they do not hold enough land on individual basis to start commercial farming. They also lack sufficient cash and know-how to initiate commercial farming.

On the other hand, the demand for dried fruits, vegetables and herbs is increasing every day due to the burgeoning food and herbal medicine processing industries and the changing food habits of the urban consumers.

Hybrid Solar dryer is based on renewable energy sources are already a proven technology. The dehydrated agro-based products by using solar dryers are hygienic and preserve the food quality. The source of energy is rear therefore the device to harness the sun is little bit costlier than the device based on traditional none renewable energies.

Project Question 2

How does your idea address the problem(s)/issue(s) described above in terms of securing peace through development, delivery of basic services and expanding livelihood opportunities to rural population? (maximum 500 words)

Increased incomes from farming demand for increases in inputs such as labor, energy and technology. Farmers may have small landholdings, but they are very laborious. Proper assistance by experts to these farmers will motivate them to focus on cash crop cultivation. Introduction of demand-driven marketing strategies by co-operatives or community-based small-scale food processing units will guarantee appropriate price for such farmers. These co-operatives or industries will be able to market fresh or dehydrated produce as per the opportunities and demands.

The advantages of dehydrating cash crop is that the products can be preserved and marketed at a later date so as to bring maximum revenue to the farmers, like when the market prices are high. Increased shelf-life of the products means that the agro-produce from rural areas can be made available for urban customers. Hybrid Solar dryers will be used to dehydrate the agro-products. These dryers will be commonly owned by the community or co-operatives and will be established as small scale agro-processing industries. These industries will reduce wastage of products that would otherwise have rotted away due to poor storage. By creating more jobs in the agricultural sector even during off-season periods, it will enhance the income of the farmers / local community, and will also contribute to food security.

Project Question 3

How will you implement your idea? Describe in detail each of the activities/steps that your project will undertake to meet its objective(s). (maximum 600 words). Please provide a corresponding timeline in a separate sheet.

- Raise awareness of communities about cash crops, and form cash crop production groups by involving enthusiastic small farmers.
- Organize training for the small farmers to grow high value cash crops and guarantee the price for their product.
- Initiate the local community/co-operatives or private sector to setup vegetable and herb processing industries using hybrid solar dryers.
- Provide food processing/dehydrating training to members of the dehydrating industries.
- Continuous monitoring and evaluation of the products processing and exploration of possible market niches to extend the product range to make the industries sustainable.

Project Question 4

How is your idea innovative or different from existing approaches that are addressing the problem(s)/issue(s) you have described in question one? Why did you choose this particular approach? To your knowledge, what on-going efforts exist in this area that addresses this problem? Has your idea been implemented elsewhere or in a different context? If so, where? What specific characteristics of your project idea demonstrate that you are applying a novel/pioneering approach? (maximum 700 word)

As a tradition farmers have been growing crops like rice, maize, millet. They know how to preserve these food grains for later use, either for sale, or for their own consumption. Farmers have avoided cultivating fresh vegetable and fruits due to lack of access to the market and lack of processing and preserving facilities, which would have prevented the abundant harvest of fruits and vegetables from rotting away. .

Dehydration of agro crops is a technology used to preserve the food value in a qualitative manner. The Hybrid Solar dryer will harness the easily available solar energy and the agro waste to heat air to be used to dehydrate the agro products (fruits, vegetables, or herbs). Drying process will decrease the weight by removing 80 to 90 percent of water content and add value to the product to be marketed during off season in urban markets.

Individual small farmers will be bound with cooperatives/user groups for the promotion of non-traditional high value crops cultivation, to enhance productivity and income generation. It will also promote the commercialization of dried cash crops which ultimately contribute to local food security too.

Project Question 5

What is your/your organization's role in implementing the project idea? Provide a brief description of your/your organization's activities and experience in the area/sector of the project. What is the particular capacity of your organization in implementing the project idea? (Maximum 300 words)

Karnali Bachat tatha Rin Sahakari Sanstha limited is a co-operative institution. It has good experiences in micro-credit and management of small income generating activities. The institute will mobilize it's member farmer to form group to cultivate raw material for the dehydrating industry, specially high value cash crops. It will promote the poorer sector. The co-operative will assist its member to establish food dehydrating industry and manage the revolving fund to promote Hybrid solar dryer.

It will further utilize its marketing networks to promote local as well external market for cash crops.

Project Question 6

Who will be proposed project team leader? This person will be the key contact person between Nepal Development Marketplace 2008 team and your project team. Describe the experience/background of the project team leader with regard to implementing the above mentioned project idea. Please enclose curriculum vitae of the proposed project team leader. (Maximum 200 words).

Er. Babu raja Shrestha will be the team leader of the project He has designed the Hybrid Solar Dryers and Tunnel type Solar Dryer. He had developed the cooperative based dehydrated agro product in 1997 and launched the products under HAMCOL Branding . Bio data is attached here with

ATTACHMENT: Yes No

Project Question 7

What is the role of your primary partner organization in implementing the project idea? Please provide a brief description of your primary partner organization's activities in the area/sector of the project. What is the history of collaboration between your organization and your partner(s)? Is there a formal agreement for partnership on this project? Please enclose a copy of your agreement. (Maximum 200 words)

Centre for Renewable energy (CRE) has developed the hybrid solar dryer and the food dehydrations technology. CRE will implement the pilot project to demonstrate the feasibility of the dehydrated agro-products industries based on renewable energy. Further CRE will transfer the technology to the local community and entrepreneurs willing to invest in dehydrated food production.

CRE will assist Solar dryer manufacturing industry to manufacture custom made prototype Hybrid Solar Dryer to establish food dehydrating industry. CRE will conduct monitoring works to upgrade and make the business profitable to all stakeholders including consumers.

CRE will play vital role in dissemination of the technology, and lobby to enhance the subsidy policy of Government of Nepal.

Project Question 8

Who are the principal beneficiaries of the project activity? Please describe the degree of acceptance that the project has among beneficiaries and the level of participation, if any, of the beneficiaries in the project. (Maximum 300 words)

This is a win-win approach--the beneficiaries are the financially-strapped population, small and big farmers as well as cooperatives or business entities dealing with dehydrated food and herbs.

High yield cash crops will increase the income of the small farmers. A significant number of Hybrid Solar dryers based dry food / herbal processing industries will be established and operated. This will enhance job opportunities for the poor and similarly the numbers of farmers/individuals involved in the food processing industries will grow.

Project Question 9

What are the expected outcomes/results of your project? How are they measurable? How do these results/outcomes help your targeted beneficiaries? If possible, indicate how many beneficiaries your project expects to reach. How should Nepal Development Marketplace 2008 measure project success after implementation is complete? (Maximum 300 words)

This is a win-win approach--the beneficiaries are the financially-strapped population, small and big farmers as well as cooperatives or business entities dealing with dehydrated food and herbs.

High yield cash crops will increase the income of the small farmers. A significant number of Hybrid Solar dryers based dry food / herbal processing industries will be established and operated. This will enhance job opportunities for the poor and similarly the numbers of farmers/individuals involved in the food processing industries will grow.

Project Question 10

What characteristics of your project would you highlight to suggest that it is sustainable beyond the phase funded by Nepal Development Marketplace 2008? Please describe both organizational sustainability and financial sustainability, and indicate specific details (agreements from other donors, projected revenue flows) that can be verified to suggest that your project is sustainable and can leverage Nepal Development Marketplace 2008 funding. (Maximum 400 words)

Hybrid Solar dryers are renewable energy harvesting equipment. There is practically no recurring cost for its operation and maintenance. Once the pilot/demonstration project succeeds, the Hybrid Solar dryer based dry food/herbal processing industries in the rural area will be proven as profitable business. This will promote the cultivation of high yield cash crops/herbs. It will also create opportunity for new investment and job opportunity for the locals. Commercialization of the Hybrid Solar drying equipment as well as dehydrated agro products is inevitable in the future.

Project Question 11

What is the possibility of implementing your idea/project elsewhere (in different parts of the county)?
(Maximum 200 words)

The problem of the farmers in the current target area is a common problem all over the country. The solar irradiation value is common all over the country and similar to the pilot project site. The need for agro processing dehydration is also a common phenomenon throughout the country-- from the dry Himalayan foothills of the Karnali region with its abundance of herbs, to the steamy flatlands of the eastern Terai . Once this project proves to be feasible, private sector community will see this area as an worthwhile investment opportunity and will be willing to replicate the technology.

SECTION V: PROJECT COST QUESTIONS**Project Cost Question 1**

Briefly describe expenses in each of the categories that you have submitted in your proposal (total maximum-500 words)

Personnel:	NRs. 300,000.00
Materials and Equipment:	NRs. 600,000.00
Training:	NRs. 100,000.00
Travel:	NRs. 60,000.00
Others:	NRs. 300,000.00
Evaluation/Information dissemination:	NRs. 130,000.00
General Administration/Overhead:	NRs. 320,000.00
Other Funding Sources:	NRs. 310,000.00
Total Nepal Development Marketplace 2008 funding requested:	NRs. 1,500,000.00
Estimated Project Revenue (if applicable)	

Project Cost Question 2

Please explain clearly any non-Nepal Development Marketplace 2008 funding that your project is receiving or will receive and indicate their contributions. To the extent possible, please indicate the names of the other donors and the amount they will be contributing to your project and what the funds would be used for. Please mention all fund sources that are anticipated but NOT confirmed as yet too. (maximum 250 words)

Project Cost Question 3

If your project is generating any revenue from its activities, please describe. (maximum 150 words)

Project Cost Question 4

Please enclose your organization's audited current and a one-year projected income statement and balance sheet.

SECTION VI: ADMINISTRATIVE INFORMATION

Administrative Information Question

1

NEPAL DEVELOPMENT MARKETPLACE 2008 will only accept applications in English for review. If your proposal is in Nepali, please enclose the original version for reference. The Nepal Development Marketplace 2008 team will only review this to clarify any potential ambiguities in the English version.

ATTACHMENT: Yes No

Administrative Information Question

2

Have you ever received a grant from any Word Bank grant program?

No Yes

If Yes, indicate which one? The Word Bank has a number of grant funding programs that work with small organizations (Small Grants Programs, Post Conflict Fund, InfoDev, Development Marketplace Global Competition, Country Innovation Days, etc.). If you have previously received funding from any of these programs for a different project, it will not prevent you from competing in the Nepal Development Marketplace 2008.

Administrative Information Question

3

How did you find out about the Nepal Development Marketplace 2008? (maximum 50 words)

From Advertizement in Kantipur TV

Attachments to be included:

1. Applicable drawing.
2. Corresponding timeline.
3. Curriculum vitae of proposed project team available.
4. List of Project Management Team/Staff.
5. List of Board of Members of your organization.
6. Copy of formal partnership agreement
7. Audited current and a one-year projected income statement and balance sheet.
8. Your organization's and your partner's registration certificates.
9. Original version of your proposal (if written in Nepali).

I certify that the information provided is true and correct. By signing this document, I confirm our organization's participation to the Nepal Development Marketplace on June 24, 2008.


Signature

Date