



To express interest in this assignment please email [priyanka.subba@crs.org](mailto:priyanka.subba@crs.org)

**CRS Farmer to Farmer Program  
Volunteer Assignment Scope of Work**

Summary Information	
Assignment Code	NE224
Country	Nepal
Country Project	Livestock Country Project
Host Organization	Sakar Saurav Dairy Industry Pvt. Ltd
Assignment Title	Dairy Product Diversification
Assignment preferred dates	Nov- February 2020
Objectives of the assignment	To strengthen knowledge of dairy industry to process milk and product diversification
Desired volunteer skill/expertise	Dairy Product Development Specialist
Type of Volunteer Assistance	Technology Transfer = T
Type of Value Chain Activity	Information on dairy processing
PERSUAP Classification	PERSUAP Type II

## A. BACKGROUND

In Nepal, 65.5% of the population is engaged in agriculture and its contribution to national Gross Domestic Product (GDP) is 31.23%. Livestock rearing is an integral part of Nepalese livelihoods since many years. It has been source of food and mode of transportation. In Nepal, 65.5% population are engaged in agriculture and its contribution to national GDP is 31.23% where livestock covers approximately 32% of Agriculture Gross Domestic Product (AGDP) and 11.5% of total GDP<sup>1</sup>. Dairy products (Milk, Cheese, Butter, Ghee, Sweets) and meat products (raw and processed meat of goat, buffalo, pig and chicken) are the major items consumed in Nepal. There is increasing demand for egg, meat, dairy products and fish because of increasing urbanization, income and health consciousness. The annual demand increase is around 8-10% and Nepalese consumers are relying on large import (861 million Nepalese Rupees (NPR)) of animal products<sup>2</sup>. According to ADS, protein from livestock sources in Nepalese diet is 13% (compared to recommended 30%).

Considering this opportunity private sector and cooperatives have started investing on dairy industry development. Sakar Saurav Dairy Industry Pvt. Ltd was established in 2015 to tap the market opportunity. This industry is established in mid-western part of Nepal and is processing around 3300 liters of milk for

<sup>1</sup> [http://www.mold.gov.np/downloadfile/Tathaynka%20Pustika%20final%20for%20print\\_1510132862.pdf](http://www.mold.gov.np/downloadfile/Tathaynka%20Pustika%20final%20for%20print_1510132862.pdf)

<sup>2</sup> Agriculture Development Strategy, 2015.

semi urban areas of western part of Nepal. The company is supplying milk for more than 2000 consumers. It is also supply milk and milk products to nearby restaurants, hotels and event management companies. It is sourcing milk form cooperatives and individual farmers. The stored milk is even supplied to national dairy development board and other private companies in Kathmandu and Pokhara.

The company is aiming to collect more milk in the flush season and even in the lean season. The company is working with milk collection centers and collecting milk from local areas and nearby districts.

## **B. ISSUE DESCRIPTION**

Since its establishment, the company is producing whole milk and paneer. It also started producing other dairy products like ice cream and yoghurts. The company largely failed in diversifying milk and milk products production. The company keep enhancing staffs' capacity but largely failed to make them understand on flavoring milk and milk related products.

At its disposal, the company has milk analyzer set., Chilling vat of 500 liters and 1000 liters, 3000 liters of boiler, batch posturize of 200 liters, homogenizer, plate heat exchanger, hot water battery, bottler sterilizer, +1 degree cooling cold store, -20 degree freezing cold store and ice cream churner. The company has 10 staffs working regularly in the dairy facility.

## **C. OBJECTIVES OF THE ASSIGNMENT**

The main objective of the assignment is to enhance skills of company to diversify production by improving knowledge of staffs of dairy industry. The specific objective of this volunteer assignment is to provide training on dairy products development. The general objective will be:

- Introduce and demonstrate handful techniques to produce quality yoghurt, flavoured fresh milk, and ice cream bar.
- Improve dairy processing techniques and recommend further equipment needed for Small and Medium Dairy plant
- Enhance dairy staff's capacity to handle product diversification by managing sanitation.

## **D. HOST CONTRIBUTION**

The assignment will be conducted closely with the Sakar Saurav Dairy Industry Pvt. Ltd, Dang, Tulsipur Province 5. The host will also arrange training for their laboratory staffs. Host will also provide the volunteer with office space, training hall and daily tea/snacks for participants.

## **E. ANTICIPATED RESULTS (Outcome/impact) FROM THE ASSIGNMENT**

It is anticipated that this volunteer assignment will contribute to quality mushroom seed production to company will directly contribute to the following;

- Dairy company will adopt the improved mushroom seed production techniques
- Company will adopt the improved cultivation techniques
- Increased uniform incomes of all round the year
- Outreach events conducted upon return to the US

#### F. DELIVERABLES

The anticipated deliverables accomplished by the volunteer also include:

- Dairy products diversifying guideline/protocol for the local technicians will be developed
- Appropriate and relevant technologies on product diversification will be transferred
- Host recommendations action plan developed
- Trip Report should be submitted before exit meeting

#### G. SCHEDULE OF VOLUNTEER ACTIVITIES IN COUNTRY (DRAFT)

Day	Activity
Days 1	Arrival Nepal, Tribhuvan International Airport. The volunteer will be picked by Greenwich Hotel with a placard bearing “CRS logo and volunteer name”.
Day 2	Introduction and orientation of F2F volunteer
Day 3	Travel to assignment site. Introduction and assignment briefing with host representatives
Days 4 – 15	Complete assignment related activities at the host location
Day 15	Travel Back to Katmandu
Day 16	Report revision, submission
Day 17	Debriefing including CRS country Office and USAID Local mission and fly back to USA

#### H. DESIRABLE VOLUNTEERS SKILLS

The volunteer will have the following qualifications and competencies:

- Mycologist with experience on Mushroom seed production
- Oyster mushroom seed and mushroom production techniques

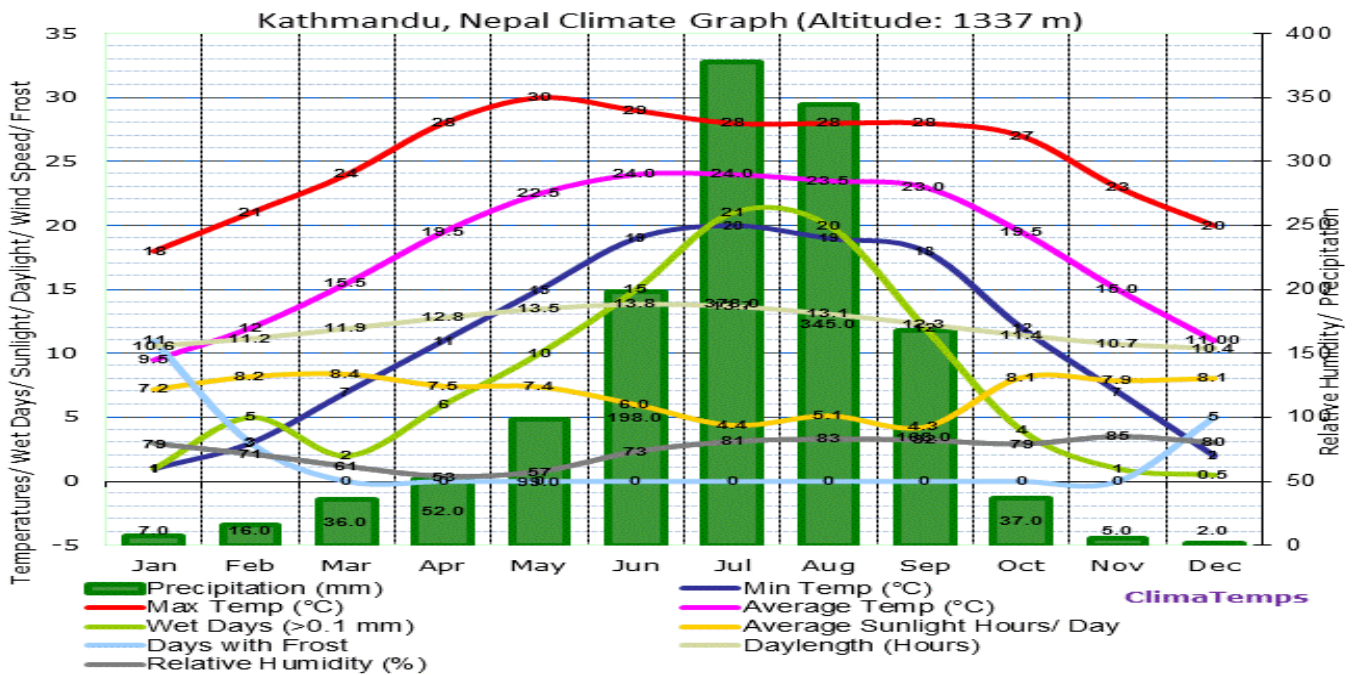
#### I. ACCOMMODATION AND OTHER IN-COUNTRY LOGISTICS

- Before travelling to the assignment place, the volunteer will stay in Kathmandu at one of the CRS’s client hotels, Hotel Kutumba <https://www.orbitz.com/Lalitpur-Hotels-Hotel-Kutumba.h33780567.Hotel-Information> or another hotel that will be booked and confirmed before the arrival date. In Kathmandu, the hotel usually has rooms that include services such as airport pickup and drop-off, breakfast, wireless internet, etc. The hotel or CRS will arrange a vehicle for short travel from the hotel to CRS and vice versa while in Kathmandu.

- All required materials will be prepared ahead of time and will be provided to the volunteer. CRS Nepal will provide the volunteer with a laptop computer (if s/he needs), and mobile phone with charged local SIM-card. Any other required logistics and facilities can also be requested by the volunteer during her/his stay in Kathmandu. CRS will provide a vehicle and accompany the volunteer to the place of assignment.
- During the assignment period, the volunteer will be booked in a hotel at the project site, to be confirmed prior to volunteer arrival. CRS Nepal will arrange hotel accommodation and cover the lodging bills against receipts. CRS HQ will provide the volunteer with a per-diem advance to cater meals and incidences.
- Security information will be provided by CRS Nepal Security focal person at Kathmandu CRS Country office.

**J. RECOMMENDED ASSIGNMENT PREPARATIONS**

- Prior to travel, the volunteer is advised to prepare necessary training and demonstration aids and written handouts. Electronic copies of these handouts and any other printed materials can be printed for immediate use at the CRS office in Kathmandu on request by the volunteer.
- If the volunteer requires use of simple training aids like flip charts, markers or tape s/he should make the request and collect from the CRS office in Kathmandu prior to travel to the assignment place.
- Translation of handouts to the local language can be done at the assignment location if required.
- Depending on the meeting places and availability of electric power and LCD projector, the volunteer may use a laptop and projector for power point presentations.
- Weather Appropriate Clothing: <https://www.accuweather.com/en/np/nepal-weather>



**K. KEY CONTACTS**

<b>CRS Baltimore, US</b>	<b>CRS Nepal Country Program</b>
<b>Priyanka Subba</b> Volunteer Recruiter Farmer to Farmer Program 228 W. Lexington Street Baltimore, MD 21201 410-955-7194 Email: <a href="mailto:priyanka.subba@crs.org">priyanka.subba@crs.org</a>	<b>Phaindra Raj Pandey</b> Project Director, CRS F2F Nepal Country Office Maitri Marg - Bakhundole, Lalitpur Metropolitan City Ward No.1, Province 3, Nepal Cell: +977-98141205763, 9808028903 Email: <a href="mailto:phaindra.pandey@crs.org">phaindra.pandey@crs.org</a>
<b>CRS Nepal Country Program</b>	
<b>Prachanda Kattel</b> Project Coordinator, CRS F2F Nepal Country Office Maitri Marg - Bakhundole, Lalitpur Metropolitan City Ward No.1, Province 3, Nepal Cell: +977-98141205763, 9808028903 Email: <a href="mailto:prachanda.kattel@crs.org">prachanda.kattel@crs.org</a>	<b>Chhan Bahadur Bhattachan</b> MEAL Coordinator CRS F2F Nepal Country Office Maitri Marg - Bakhundole, Lalitpur Metropolitan City Ward No.1, Province 3, Nepal Cell: +977-9841390786 Email: <a href="mailto:chhan.bhattachan@crs.org">chhan.bhattachan@crs.org</a>
<b>Host Organization:</b>	
Sakar Khadka Managing Director Sakar Saurav Dairy Industry Pvt. Ltd. Email: khadkacall@gmail.com	