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To express interest in this assignment please email priyanka.subba@crs.org
CRS Farmer to Farmer Program
Volunteer Assignment Scope of Work

Summary Information	
Assignment Code	NE228
Country	Nepal
Country Project	Crops
Host Organization	BG Agriculture Pvt Ltd
Host address	Gorahi, Dang Phone: +977-1-9847955161
Assignment Title	Cold Storage Management
Assignment preferred dates	December 2019 onwards
Objectives of the assignment	Enhance capacity of cold storage to store fresh vegetables and fruits
Desired volunteer skill/expertise	The volunteer should have working experiences to manage cold storage
Type of Volunteer Assistance	Business/Enterprise Development=E
Type of Value Chain Activity	Information and Input Support Services (areas as extension services, input supplies, veterinary services—most Administrative assignments are expected to fall into this classification) = S
PERSUAP Classification ¹	PERSUAP II

A. BACKGROUND

CRS F2F Nepal program collaborates with many local host organizations to enhance their capacity and troubleshoot bottlenecks they are facing through its two country projects Crops and Livestock by facilitating technical expertise from the US. It collects needs from local private companies, government institutions, USAID supported projects and programs, community cooperatives, associations and local NGOs foster vegetable, Maize, Lentil, Coffee and Apple sub-sector within Crops and Dairy, small ruminant and fisheries in Livestock value chains. Those sub-sectors have prioritized in country's Agricultural Development Strategy (ADS). To meet goals and objectives of ADS, collaboration and private sector strengthening is prime interest of donor community as well as government.

¹ USAID precisely classifies PERSUAP in four categories; **PERSUAP Type I** assignments directly related to pesticides recommendations, **Type II** as assignments with indirectly related with pesticides, **Type III** assignments related to curriculum review and designing, business plan development and strategies development and **Type IV** as assignments associated with other USAID projects and collaborators.



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The cold storage technical capacity need is huge in Nepal. The local cold stores are running without adequate knowledge of cold storage management. This is affecting cold storages from being efficient and effective to store all kinds of fruits and vegetables required for the local markets.

Busy Cold store is one of the pioneer company in Province 5, Dang and storing fresh vegetables during flush season to be sold during lean season. 2071/72 Cold storage management is new to Nepal. BG is also recently exposed to storing of potatoes and apples. The company is collecting potatoes and apples from farmers and selling it to nearby markets as well as supplying potatoes and apples to regional markets. The company is supporting more than 100 farmers annually. The storage facility holds capacity of storing 2,000 mt. of vegetables per day and has 5 separate cooling chambers to store apples and potatoes.

B. ISSUE DESCRIPTION

Humidity and temperature management inside cooling chamber for year around storage is a challenge for BG Agriculture Pvt. Ltd. The cooling chamber is currently using Ferron gas and ammonia gas to control temperature in the chambers and storing potatoes and apples with inadequate knowledge on cold storage management. The company is looking for technical and administrative skills to run the cold storage. With enhance skills the company is planning to store fresh vegetables and fruits in coming years.

C. OBJECTIVES OF THE ASSIGNMENT

- Support to introduce cold storage management practices
- Enhance owner and staff capacity particularly on cold chain maintenance for year around in controlled condition

D. HOST CONTRIBUTION

The host will provide training hall and space for volunteer during assignment period.

E. ANTICIPATED RESULTS FROM THE ASSIGNMENT

- Well-functioning of the cold storage facility
- Year-round storing capacity of cold storage improved

F. DELIVERABLES

- Owner and staff trained on cooling chamber management for year round
- Designing and setting up of air conditioning reviewed
- A SOP of cold storage management.

G. SCHEDULE OF VOLUNTEER ACTIVITIES IN NEPAL

Days (not dates)	Activity
Days 1	Arrival Nepal, Tribhuvan International Airport. The volunteer will be picked by Greenwich Hotel with a placard bearing "CRS logo and volunteer



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	name”.
Day 2	Introduction and meeting with CRS management and briefing meeting (Security, general orientation, logistic, reporting formats, etc.) at CRS office. Discuss anticipated outcomes and work plan and travel to assignment site.
Day 3	Arrived assignment site and discuss with hosts on planning and scope of works
Days 4 – 10	Complete assignment related activities at the host location, debriefing with host
Day 11	Travel back to Kathmandu and debriefing at CRS
Day 12	Fly back to USA

H. DESIRABLE VOLUNTEERS SKILLS

The volunteer should have working experiences to manage cold storage. The volunteer should have hands on experience on Ferron and ammonia gas usage in cold chambers storing fresh vegetables, tuber crops and fruits.

I. ACCOMMODATION AND ANOTHER 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. In the field, CRS will house volunteer in one of the client hotel. The local transportation from hotel to host to hotel will be arranged by host.
- 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.

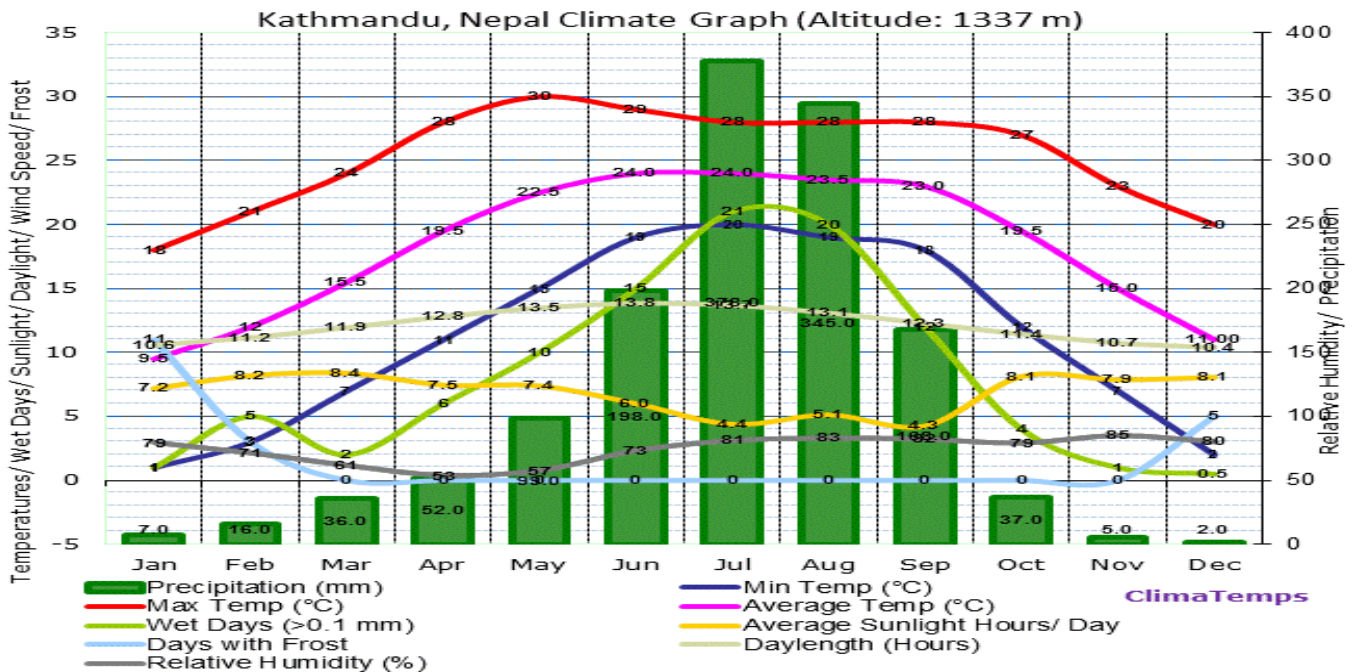
J. RECOMMENDED ASSIGNMENT PREPARATIONS



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- 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

CRS Baltimore, US	CRS Nepal Country Program
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