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To express interest in this assignment please email [first name.priyanka.subba@crs.org](mailto:first.name.priyanka.subba@crs.org)  
**CRS Farmer to Farmer Program**  
**Volunteer Assignment Scope of Work**

Summary Information	
Assignment Code	229 Beekeeping, harvesting and storing/packaging
Country	Nepal
Country Project	Flex Assignment
Host Organization	Satyawati Bee Concern
Assignment Title	Honey Bee Project
Assignment preferred dates	January 2020 onwards
Objectives of the assignment	Harvesting and storing honey for retailing
Desired volunteer skill/expertise	Beekeeping, harvesting and storing/packaging
Type of Volunteer Assistance	Technology Transfer=T
Type of Value Chain Activity	Processing of Honey
PERSUAP Classification1	Type II

**A. BACKGROUND**

Nepal is home to five species of honeybees- four of them native viz. *Apis laboriosa*, *Apis dorsata*, *Apis florea* and *Apis cerana*. In 1990, an Italian species, *Apis mellifera ligustica*, was introduced in the country. It has been a mixed success over the years. Of the five species, *Apis laboriosa*, *Apis dorsata* and *Apis florea* are considered to be wild species. *Apis laboriosa* is also popularly known as Himalayan Cliff Bee, and is found in the cliffs of harsh Himalayan region of Nepal. Similarly, *Apis dorsata*, the tropical giant bee, is found in southern lowlands with altitudes ranging between 190-1200 metres. *Apis florea*, the dwarf honeybee, is mostly found in the lowlands, up to 1000 m altitude, in Nepal (TEPC 2015).

The high value nature of honey has pulled small holders and entrepreneurs into honey trade. They are farming *Apis Mellifera* in large number. The smallholders, with small land parcel are making more out of honey than other crops and livestock. Small farmers earn 3.5 times more from pollination than the beekeepers earn from honey. Beekeeping remained gender inclusive and it falls into domain of women as bee hives are closer to homestead. Besides honey, beekeepers are selling pollen, beeswax, bee bread and royal jelly at higher price than honey.

These opportunities in beekeeping has attracted many proactive farmers and enterprenerus. Satyawait Bee Concern (SBC), established 19 years back, is one of the pioneer industry located in Butwal, Rurpandehi,

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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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Province 5, Nepal. They are turning themselves into service providers in apiculture industry. Their services ranges from bee hive manufacturing, training and selling of bee hives to farmers. They are closely working with farmers from Dailekh, Surkhet, Nepalgunj and Dang.

## **B. ISSUE DESCRIPTION**

Primarily SBC is trading honey in domestic market and international market is a major attraction of the company. The company is USDA certified. It is producing, collecting, storing and processing Apis Melifera honey following USDA principles. Its performances are constrained by lower productivity of honey per hive and new/improved information on storing and preserving raw honey. The quality maintenance of raw honey while storing after collecting from its own farm and farmers is increasingly frustrating the company. The company is providing training to its technicians and farmers on collecting and storing raw honey. In spite of this the company is still facing challenges in maintaining its quality. Thus, the company is interested to look into improved ideas to improve its harvesting, storing and processing techniques. With this the company has expected to increase its share in the domestic market and look for international market.

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

The main objective of the assignment is to enhance skills of company to improve harvesting, collecting and storing of honey. The specific objective of this volunteer assignment is to provide training to SBC staffs to harvest, collect and store honey. The general objective will be:

- Introduce and demonstrate handful techniques to produce quality honey
- Improve honey processing techniques and recommend further improvement needed for SBC.

## **D. HOST CONTRIBUTION**

The assignment will be conducted closely with the SBC Pvt. Ltd, Dang, Rupandehi, Province 5. The host will arrange training for its staffs. Host will also provide the volunteer with office space, training hall and daily tea/snacks for participants. The host will provide local transportation to the technical expert.

## **E. ANTICIPATED RESULTS FROM THE ASSIGNMENT**

It is anticipated that this volunteer assignment will contribute to quality honey production in SBC and will directly contribute to the following:

- Honey company will adopt the improved harvesting, collecting, storing and processing 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:

- a. Honey products harvesting, collecting and storing guideline for SBC.
- b. Appropriate and relevant technologies on product diversification will be transferred
- c. Host recommendations action plan developed
- d. Trip Report should be submitted before exit meeting

## **G. SCHEDULE OF VOLUNTEER ACTIVITIES IN NEPAL**



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Day	Activity
Days 1	Arrival Nepal, Trivubhan international Airport. The volunteer will be picked by Greenwich Hotel with a placard bearing “ <b>CRS logo and volunteer name</b> ”.
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. Travel to Butwal via Road
Day 3	Introduction and assignment briefing with host representatives
Days 4 – 11	Complete assignment related activities at the host location
Day 12-16	Activity close out, host action plan preparation for implementing recommendations Travel to Kathmandu via Road
Day 17	Report Submission and Debriefing including CRS country Office and Local mission
Day 18	Departure to the US

**H. DESIRABLE VOLUNTEERS SKILLS**

The volunteer should have adequate skills in apiculture farming, honey harvesting, safe collection, storing and processing. Volunteer already in honey farming and trading is highly recommended.

**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. 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), local internet dongle (modem/EVDO) 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 or guest room provided by host facility, 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 sufficiently communicate with host focal points to better prepare assignment in advance as it is related to curricula upgrading.
- 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 placed.
- 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.

**K. KEY CONTACTS**

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