



To express interest in this assignment please email: priyanka.subba@crs.org

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

| Summary Information | |
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| Assignment Code | NE230 |
| Country | Nepal |
| Country Project | Crops Country Project |
| Host Organization | International Maize and Wheat Improvement Center (CIMMYT)/USAID Nepal Seed and Fertilizer (NSAF) Project |
| Assignment Title | Hands-on training on FAW Surveillance Management |
| Assignment preferred dates | March- April (Spring Maize), 2020 |
| Objectives of the assignment | Enhance the capacity of scientists and technicians on FAW surveillance, Scouting and Monitoring in maize field through practical demonstration. |
| Desired volunteer skill/expertise | Entomologist, expertise on Fall army worms (FAW) with field experience on its surveillance |
| Type of Volunteer Assistance | Technology Transfer = T |
| Type of Value Chain Activity | Information and Input Support Services (S) on Surveillance management of FAW |
| PERSUAP Classification | PERSUAP Type II |

A. BACKGROUND

CRS F2F program in collaboration with CIMMYT/NSAF project is working closely to enhance capacity of stakeholders on agriculture development of Nepal. Together with other USAID projects, F2F program is aiming to extend technical services in the Feed the Future zone of influences.

The United States Agency for International Development in Nepal (USAID Nepal) supported Nepal Seed and Fertilizer (NSAF) project is being implemented by International Maize and Wheat Improvement Center (CIMMYT). NSAF contributes to Feed the Future’s goal of sustainably reducing global poverty and hunger by aligning with the Feed the Future Nepal multi-year strategy (2011–2017) and USAID’s Country Development Cooperation Strategy for Nepal (2014–2019).

NSAF promotes the use of improved seeds and integrated soil fertility management technologies along with effective and efficient extension, including the use of digital and information and communications technologies. The project will specifically increase availability of technologies to improve productivity in cauliflower, lentils, maize, onions, rice and tomatoes. It will also build competitive seed and fertilizer systems that significantly expand seed production, marketing and distribution by enhancing the capacity of public and private sectors in seed and fertilizer value chains.

B. ISSUE DESCRIPTION

Nepal is one of the new country affected by Fall Army Worm (FAW)The initial report about the arrival of FAW in Nepal came from Gaidakot Municipality of Nawalpur, Gandaki Province in May 2019. Nepal Plant Protection Authority/PQPMC after series of assessment together with Nepal Agriculture Research Council officially declared FAW intrusion in Nepal on August 2019 during its 19th meeting. The loss borne from FAW to farmers across Nepal is huge. In some cases, the crop loss was 100%. It is established fact that this invasive pest could bring devastating effect on small holders across Nepal in coming year. Further, FAW can damage 80 kinds of crops. If it happens FAW will collapse most of the means of livelihoods of people.

Considering all the damages, immediately after initial diagnosis, the USAID's FtF projects in Nepal worked together on FAW preparedness and management in Nepal constituting a FAW taskforce from various USAID projects including: KISAN II, NSAF, PAHAL, SABAL, Suahara II, F2F program and IPM IL project. The USAID's taskforce is working very closely with Government of Nepal (MoALD, PQPMC and NARC) on IPM protocol development, on preparation of surveillance and IPM management recommendation/ factsheet etc. The USAID taskforce also engaged in a FAW capacity building drive where Government official and private sector including FtF project staff got training on identification and management of FAW. The USAID FAW taskforce also translated the FAW animation video into Nepali and preparing FAW factsheets in local language. However, which is not field tested and validate. As result, taskforce meeting concluded to revise all the document and propose support from Farmer to Farmers (F2F) on FAW for technical support/ capacity building on use of Integrated pest management (IPM) for controlling FAW including field monitoring and technical backstopping in the field.

C. OBJECTIVES OF THE ASSIGNMENT

The general objective of this assignment is to enhance the capacity of scientists and technicians on FAW surveillance, Scouting and Monitoring in maize field through practical demonstration. The specific objectives are;

- Provide technical backstopping to USAID FtF project staff and Provincial Government staff by organizing capacity building training/ workshop in Kathmandu and in the field.
- Practical training on FAW surveillance, Scouting and monitoring in maize fields
- Field supervision/ monitoring in the outbreak area on incidence and severity (level of damage) of FAW and provide technical support/ backstopping on recommended practice based on his/ her experiences from other countries.
- Review the existing FAW protocol on surveillance approved by MOALD and assess effectiveness in the field of FAW protocols and recommend improvements;
- Provide recommendations based on field visit, interaction and field observations for effective management of FAW in the field.

D. HOST CONTRIBUTION

CIMMYT- under USAID's Nepal Seed and Fertilizer Project will be the point of contact and host institution to oversee the implementation of the planned activities. It will provide transportation services and spaces required for FAW expert during his assignment period. The host will be joining with FAW expert in field visit.

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

- Scientists are trained on FAW surveillance, Scouting and Monitoring
- FAW surveillance, Scouting and monitoring in maize field will done

- A locally adapted protocol on FAW surveillance approved by MOALD will assess effectiveness in the field and recommend improvements for further developed
- Effective management of FAW in the field will increased

F. DELIVERABLES

A comprehensive technical report and recommendations based on their experiences and interactions with various experts in Nepal will developed.

G. SCHEDULE OF VOLUNTEER ACTIVITIES IN COUNTRY (DRAFT)

| Days | Activities |
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| Day 1 | Arrival in Nepal. The volunteer expert will meet a hotel pick CRS's client hotel with a placard being "CRS logo and volunteer name". |
| Day 2 | Security briefing and orientation at CRS office and Meeting with FtF USAID project taskforce team and key Government official from PQPMC, MOALD and NARC including some Nepalese IPM experts in Kathmandu |
| Days 3-12 | 10 days Field visit program for ½ day field monitoring (morning) and ½ day technical interaction/discussion session (afternoon) in the field for project and Government staff in the FtF zone/ districts starting from Rupandehi/Kapilbastu-Dang-Surkhet-Banke-Bardiya- Kailali/Kanchanpur/ Dadeldhura etc or as needed (these districts will be further clustered based on maize planting season). |
| Days 13 | Wrap up meeting in Nepalgunj or Dhangadhi with USAID FtF project team- cluster project staff/ provincial Government staff (if any) and return to Kathmandu by evening flight. |
| Day 14-15 | Two days for Reporting/ documentation in Kathmandu |
| Day 17 | Wrap up meeting with recommendations and technical discussion session in Kathmandu with FAW taskforce team and key Government officials (PQPMC, NARC) and submission to CRS F2F and debriefing |
| Day 18 | Travel back to the US |

H. DESIRABLE VOLUNTEERS SKILLS

Entomologist expertise on Fall army worms (FAW) with field experience on its surveillance

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 ([http:// https://www.hotels.com/ho1081978144/hotel-kutumba-lalitpur-nepal](http://https://www.hotels.com/ho1081978144/hotel-kutumba-lalitpur-nepal)) 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. Wherever the hosts cannot contribute vehicle, CRS will provide transport services to volunteer.
- 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

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| CRS Baltimore, US | CRS Nepal Country Program |
| Priyanka Subba Volunteer Coordinator EA Farmer to Farmer Program 228 W. Lexington Street Baltimore, MD 21201 410-951-7366 Email: priyanka.subba@crs.org | Phaindra Raj Pandey Project Director, CRS F2F Nepal Country Office Maitri Marg - Bakhundole, Lalitpur Metropolitan City Ward No.1, Province 3, Nepal Cell: +977-98141205763, 9808028903 Email: phaindra.pandey@crs.org |
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| Host Organization: | |

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| <p>Dr. Abdu Rahman Beshir Seed Systems Lead International Maize and Wheat Improvement Center (CIMMYT) South Asia Regional Office 1st Floor, Agri Botani Division, NARC Research Station, Khumaltar, Lalitpur, Kathmandu, Nepal, P.O.Box 5186 Tel (PBX): +977 1 5525490 Mob. 9851242081 Email: A.ISSA@cgiar.org</p> | |
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