**Activity proposal**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Activity Information** | | | | | | |
| **Activity Title** | Vegetable Season Long Technology Replication | | | | | |
| **Typhoon Haiyan Reconstruction Assistance in the Philippines** | **Intermediate Outcome 1100.** Increased participation of targeted women and men affected by typhoon Haiyan in sustainable and resilient economic activities  **Indicator 1100.1** Number of women and men equally and meaningfully participating in sustainable economic activities that incorporate risk reduction.  **Immediate Outcome 1110.** Increased and more equal access of women and men to knowledge, skills and services needed to engage in gender-responsive, sustainable economic activities that incorporate appropriate risk reduction measures  **Indicator 1110.2** Percentage and number of men compared to the percentage and number of  women with skills to operate and risk informed economic activities  **Indicator 1110.3** Percentage of women who have increased confidence in managing their  enterprises  **Intermediate Outcome 1120.** Improved capacity of W/M entrepreneurs for increased involvement in the governance and inter-firm relationships of value chains.  **Indicator 1120.3** Number technical assistance sessions on value chain-related challenges by enterprises completed  **Indicator 1120.4** Percentage of value chain collectives in targeted barangay clustered and functional  **Indicator 1120.5** Number of formal agreements developed and signed by male and female-led enterprises | | | | | |
| **Budget** | **One Million Three Hundred Sixty-Nine Thousand Sixty Pesos Only (P1,369,060)** | | | | | |
| **Dates and Venue** | September 18 to 31, 2017  Cluster I - Poblacion SE Cluster Areas  Cluster II – Anabo Cluster Areas  Cluster III –Velasco Cluster Areas  Cluster IV – Alcantara Cluster Areas  Cluster V – Pontoc Cluster Areas | | | | | |
| **Implementer/ Contact/Lead** | Suzzette M. Gellangcanao  *CARE Capacity Building Officer*  Mary Grace Jalandoni  *fCARE Project Coordinator*  Edralin H. Sara  *fCARE Project Officer* | | | **Fund Code and**  **Activity No.** | **CA346**  40 | |
| **Rationale and Background** | | | | | | |
| CARE Typhoon Haiyan Reconstruction Assistance (THRA) Project, supported by Global Affairs Canada (GAC) with partnership to the Department of Agriculture and Municipal Local Government Unit of Lemery and Taytay sa Kauswagan, Inc. (TSKI) as facilitating partner provided technical and financial assistance for the Vegetable Season Long Technology and Farm Training that was benefited by 162 farmers from 31 farmer associations in the Municipality of Lemery.  A Season Long Technology on vegetable production aims to strengthen the gap in production in line with the market demands. This technology transfer through a technology demonstration and farm training conducted from May 23 up to September 12, 2017.  After the farm training, the farmer-members of each cluster are committed to replicate the learning to each community to become a learning hub of farmers in the locality. The support needed for the replications are the planting materials and other farming inputs for the farmer to establish each technology demonstration farm.  Each cluster had proposed focused commodities to culture in line to market demand. The following was proposed by each cluster:   1. Cluster I  * Tomato * Bell Pepper  1. Cluster II  * Eggplant * Squash  1. Cluster III  * Velasco = Eggplant * Tabunan = Eggplant * Nagsulang = Squash * Almenana = Bitter Gourd * Sepanton = Bitter Gourd  1. Cluster IV  * Bitter Gourd  1. Cluster V  * Pechay * Lettuce   The Cluster I and V replication will be manage by two (2) farmers from each cluster for the initial assistance since the replication requires a greenhouse with drip irrigation. The replication for bitter gourd will be distributed to thirty (30) farmers of Cluster III and IV. Cluster II and III will also produce other vegetable aside from bitter gourd like squash and eggplant. The guaranteed buyer of bitter gourd is the Lemery Farmers Agriculture Cooperative (LeFACo) who had existing unmet buyers’ demand in terms of volume. For the produce of Tomato, Bell Pepper and Lettuce the target buyer is the Iloilo Hotel and Restaurant Association (IHRA) through LeFACo marketing facilitation. Other vegetables will be market to local consolidators from each barangay that will produce.  The replication will be monitored by Local Farmer Technicians (LFT) who are now certified Community-Based Development Facilitators (CBDF) of CARE and cluster leader CBDFs. The marketing coordination will led by the LeFACo Marketing Core Team. | | | | | | |
| **Objectives and Expected Output** | | | | | | |
| * Farmers replication of learning from the demo farm to each own farm, * Good Agricultural Practices adaption to each replication area, * Meet LeFACo buyers’ demand on ampalaya, * Meet quality standard of IHRA in tomato, bell pepper and Lettuce, * Engaged IHRA as institutional buyer of LeFACo. | | | | | | |
| **Target Participants:** | | | | | | |
| The Technology Replication will be participated by 74 farmers. 30 farmers will produce ampalaya, 1 for tomato, 1 for bell pepper, 1 for pechay, 1 for lettuce, 5 for squash, 5 for stringbeans, 5 for okra and 5 for eggplant. | | | | | | |
| **Facilitators:** | | | | | | |
| The replication will be facilitated by 5 CBDFs for monitoring, 1 Agricultural Technician (AT) of Municipal Agriculture Office assigned to CARE Project for the technical assistance, fCARE Project Coordinator and Officer and CARE CBO on the supervision. | | | | | | |
| **Training Design:** | | | | | | |
| The replication will be based on the Technology Demonstration Production Program of the focused commodities. | | | | | | |
| **Methodology:** | | | | | | |
| Individual farmer’s farming demonstration. | | | | | | |
| **Budgetary Requirement:** | | | | | | |
| *Bitter Gourd Production(200 hills each Farmer)with drip irrigation* | | | | | | |
| Description | | Quantity | Unit Cost | | | Total Amount |
| Triple 14 | | 2 bag | 1,000 | | | P 2,000 |
| Vermicompost | | 10 bag | 250 | | | 2,500 |
| Seeds | | 100g pack | 2,200 | | | 2,200 |
| Insecticide(Super Net) | | 1 can | 950 | | | 950 |
| Mulching | | 200 meters | 1,450 | | | 1,450 |
| Culture Net | | 200 meter | 2,580 | | | 2,580 |
| Tie Wire, gauge 16 | | 15 kilos | 75 | | | 1,120 |
| Posog | | 50 pcs | 30 | | | 1,500 |
| **TOTAL** | | | | | | **P 14,300** |
| **Drip Irrigation Equipment** | | | | | | |
| 12mm Drip Hose | | 200 m. | 25 | | | P 5,000 |
| Water Filter | | 1 pc | 750 | | | 750 |
| Drum | | 1 pc | 1,200 | | | 1,200 |
| Connector | | 4 pc | 30 | | | 120 |
| Plug | | 4 pc | 15 | | | 60 |
| Hose(main line) | | 8 meter | 25 | | | 200 |
| **TOTAL** | | | | | | **P 7,330** |
| Sub-Total | | | | | | **P 21,630** |
| Multiplied by # of Farmers | | | | | | 30 |
| **TOTAL Budget for Bitter Gourd** | | | | | | **P 648,900** |
| *Bell Pepper, Tomato, Pechay and Lettuce Production with 120sqm Greenhouse and drip irrigation facilities* | | | | | | |
| **Structure and Facility** | | | | | | |
| UV Treated PE Film | | 1 roll | 11,000 | | | P 11,000 |
| Fine Net | | 72 meters | 100 | | | 7,200 |
| Posog | | 30 pcs. | 30 | | | 900 |
| Bamboo Pole | | 100 pcs | 70 | | | 7,000 |
| Plastic Mulch | | 1 roll | 3,300 | | | 3,300 |
| **TOTAL** | | | | | | **P 29,400** |
| **Drip Irrigation Equipment** | | | | | | |
| 12mm Drip Hose | | 200 m. | 25 | | | P 5,000 |
| Water Filter | | 1 pc | 750 | | | 750 |
| Drum | | 1 pc | 1,200 | | | 1,200 |
| Connector | | 4 pc | 30 | | | 120 |
| Plug | | 4 pc | 15 | | | 60 |
| Hose(main line) | | 8 meter | 25 | | | 200 |
| **TOTAL** | | | | | | **P 7,330** |
| **Labor** | | | | | | |
| Skilled | | 6 days | 500 | | | P 3,000 |
| Labor | | 2 persons x 6 days | 300 | | | 3,600 |
| **TOTAL** | | | | | | **P 6,600** |
| **Inputs** | | | | | | |
| Vegetable Seed | | 1 pack | 60 | | | P 60 |
| Fertilizer, 21-0-0 | | 1 bag | 750 | | | 750 |
| Vermicast | | 10 bags | 250 | | | 2,500 |
| **TOTAL** | | | | | | **P 3,310** |
| Sub-Total | | | | | | **P 46,640** |
| Multiplied by # of Farmers | | | | | | 4 |
| ***TOTAL Budget for Bell Pepper, Tomato, Pechay and Lettuce Production with Greenhouse and Drip Irrigation*** | | | | | | **P 186,560** |
| *Eggplant Production with drip irrigation* | | | | | | |
| Inorganic fertilizer, T14 | | 1 bag | 1,030 | | | P 1,030 |
| Inorganic fertilizer, Urea | | 1 bag | 750 | | | 750 |
| Vermicompost | | 10 bag | 250 | | | 2,500 |
| Seeds | | 1 pack | 80 | | | 80 |
| Mulching | | 200 meters | 1,450 | | | 1,450 |
| **TOTAL** | | | | | | **P 5,810** |
| **Drip Irrigation Equipment** | | | | | | |
| 12mm Drip Hose | | 200 m. | 25 | | | P 5,000 |
| Water Filter | | 1 pc | 750 | | | 750 |
| Drum | | 1 pc | 1,200 | | | 1,200 |
| Connector | | 4 pc | 30 | | | 120 |
| Plug | | 4 pc | 15 | | | 60 |
| Hose(main line) | | 8 meter | 25 | | | 200 |
| **TOTAL** | | | | | | **P 7,330** |
| Sub-Total | | | | | | P 13,140 |
| Multiplied by # of Farmers | | | | | | 20 |
| **TOTAL Budget for Eggplant Production with Drip Irrigation** | | | | | | **P 262,800** |
| *Squash Production with drip irrigation* | | | | | | |
| Inorganic fertilizer, T14 | | 1 bag | 1,030 | | | P 1,030 |
| Inorganic fertilizer, Urea | | 1 bag | 750 | | | 750 |
| Vermicompost | | 10 bag | 250 | | | 2,500 |
| Seeds | | 1 pack | 80 | | | 80 |
| Mulching | | 200 meters | 1,450 | | | 1,450 |
| **TOTAL** | | | | | | **P 5,810** |
| **Drip Irrigation Equipment** | | | | | | |
| 12mm Drip Hose | | 600 m. | 25 | | | P 15,000 |
| Water Filter | | 3 pc | 750 | | | 2,250 |
| Drum | | 3 pc | 1,200 | | | 3,600 |
| Connector | | 12 pc | 30 | | | 360 |
| Plug | | 12 pc | 15 | | | 180 |
| Hose(main line) | | 24 meter | 25 | | | 600 |
| **TOTAL** | | | | | | **P 21,990** |
| Sub-Total | | | | | | P 27,800 |
| Multiplied by # of Farmers | | | | | | 10 |
| **TOTAL Budget for Squash Production with Drip Irrigation** | | | | | | **P 270,800** |
| **GRAND TOTAL** | | | | | | **P 1,369,060** |