

Food Crisis Response Program

Project Status Report



Government of Nepal
Ministry of Agriculture Development
Department of Agriculture
Irrigation and Water Resource Management Project

Project Coordination Office

Hariharbhawan, Lalitpur

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Food Crisis Response Program (FCRP) has been implemented by the Government of Nepal since 2008 with the financial assistance of the World Bank to mitigate both the short-term and the medium to long-term impact of rising food prices in Nepal as a result of the global food price trends. The Department of Agriculture is one of the key implementing agencies of this program in addition to the then Ministry of Local Development, now the Ministry of Federal Affairs. This project progress report presents the implementation status of the FCRP implemented under the Department of Agriculture. The report has three sections. The first section describes a brief introduction of the Food Crisis Response Program. In second section, the physical progress of the project so far has been highlighted. The final section summarizes the key activities proposed for the Fiscal Year (FY) 2015/16.

1. Brief Introduction of the Program

Food Crisis Response Program (FCRP) has been implemented by the Government of Nepal since 2008 with the financial assistance of the World Bank to mitigate both the short-term and the medium to long-term impact of rising food prices in Nepal as a result of the global food price trends. The program is expected to support the national strategy of the Government to maintain and enhance food security. It includes support to the implementation of social safety net measures to maintain access to basic needs (mainly food) among vulnerable households in food insecure districts; and agricultural productivity activities to expedite a supply response through the implementation of measures to raise the yields and consequently the production of staples food. The Food Crisis Response Program consists of two separate projects: one is Social Safety Nets Project (SSNP) and other is Additional Financing to the Irrigation and Water Resource Management Project. As the FCRP consists of two separate projects, project development objectives, program components and implementation arrangement of the two projects are described separately hereunder.

1.1 Key dates

Table 1: Key dates of the Food Crisis Response Program

| Project | Signing Date | Effectiveness Date | Original | Revised | Status at present |
|-----------------------------------|--------------|--------------------|-------------|--------------|-------------------|
| | | | Date | Closing Date | Closing Date |
| Social Safety Nets Project | 02-Nov-2008 | 28-Jan-2009 | 30-Sep-2011 | 30-Sep-2014 | Closed |
| Additional Financing to the IWRMP | 02-Nov-2008 | 30-Jan-2009 | 30-Jun-2013 | 30-June-2016 | Effective |

1.2 Project development objectives

The Social Safety Nets Project: The original project development objectives (PDO) of the Social Safety Nets Project is to ensure access to food and basic needs for vulnerable households in the short term in food insecure districts. However the PDO has been revised in May 2010 as to enable Government to improve access to nutritious food for highly food insecure households in the short term and to create opportunities for improved agriculture production in food insecure districts. The PDO has been revised when the Additional Financing for the Social Safety Nets Project was approved in May 2010 to continue the support, given the continuing chronic hunger, malnutrition and high food prices in the target areas.

The Additional Financing to the Irrigation and Water Resource Management Project: The project development objective of the Additional Financing to the Irrigation and Water Resource Management Project remains the same of that of the Irrigation and Water Resource Management Project (IWRMP). This is to improve irrigated agriculture productivity and management of selected irrigation schemes and enhance institutional capacity for integrated water resource management. However, the additional financing to the Irrigation and Water Resource Management Project supports the intermediate outcome of component D¹ of the IWRMP only: farmers in selected districts adopt better agricultural production and water management techniques.

1.3 Program component

1.3.1 Social Safety Nets Project: The specific activities under the Social Safety Nets Project include: (a) a short term program for vulnerable districts through the food/cash for work program and (b) improved fertilizer access and better targeting of fertilizer uptake by smallholders. The original project has three components:

Component 1: Rural Community Infrastructure Works (RCIW): Under the Component 1, the project supported the existing food/cash for work program like Rural Community Infrastructure Works (RCIW) program, which has been implemented by the then Ministry of Local Development, now the Ministry of Federal Affairs and Local Development, with budgetary support from the World Food Program in food insecure districts. In addition, this component supported micro nutrient supplementation to children to promote better nutrition outcomes.

Component 2: Support for fertilizer use in the remote areas: This component supported: (a) increased budget for the transport subsidy for private sector transport of fertilizer and seeds to the 23 remote districts, and (b) data collection, monitoring and targeting activities to ensure small farmers were getting the subsidized fertilizers. The fertilizer support program was expected to reach 15,000 farmers across 23 districts.

Component 3: Project coordination, monitoring and evaluation and beneficiary assessments: Besides supporting the standard project management arrangement and monitoring and evaluation, this

¹ The Irrigation and Water Resource Management Project is comprised of four components: (A) Irrigation Infrastructure Development and Improvement, (B) Irrigation Management Transfer, (C) Institutional and Policy Support for Improved Water Management and (D) Integrated Crop and Water Management. The additional financing to IWRMP only focuses to the component D: Integrated Crop and Water Management.

component also supported capacity building of central, district and village level administrative officers.

Revised Components: The original project components are adjusted to take account of change in project development objectives during the approval of Additional Financing in May 2010.

Sub-component 1a: Public Works Program – Scale-up of Agriculture-focused Activities: This sub-component continued the option of the food/cash-for-work program carried out under the original Component 1 but prioritized cash-for-work over food-for-work in areas where food availability is not a constraint. It also shifted the focus away from roads to projects providing alternative livelihoods for the local communities, and introduced explicit gender focus in the program design as well as scale-up of the distribution of micronutrient powders, which had been piloted successfully in 17 districts under the original project.

Sub-component 1b: Health and Nutrition (H&N) Pilot – Community Challenge Fund: This new sub-component was introduced in light of persistently high malnutrition rates with the aim to test effectiveness of community groups as channels to promote improved nutritional behavior among pregnant and nursing women. The component was implemented through the Poverty Alleviation Fund (PAF) and funded proposals from communities on a competitive basis. The winning proposals were piloted in four food insecure districts and the impact was to be measured using a randomized controlled trial method. The intervention promoted specific behaviors related to women's food consumption and care during pregnancy through awareness-raising activities and modest financial incentives. This component along with Component 1c was designed with the vision to help the Government build sustainable capacities to provide longer-term support to food insecure households.

Sub-component 1c: Strengthening Safety Net Systems: The sub-component built on the findings of an assessment of the existing safety net systems and supported the Government to achieve two broad objectives: (i) increasing the efficiency and effectiveness of delivery of the cash transfer and public works programs and (ii) increasing the accountability in the management and administration of these safety net programs at both central and local levels.

Component 2: Support for Seed and Fertilizer: This component continued support for the Government's program to supply chemical fertilizers and improved seeds at subsidized prices to

farmers in remote areas to address continued lack of food supply. Additionally to address the possibility for longer-term productivity gains in the agricultural sector the revised component under AF was designed to support establishment of (i) an independent monitoring system and (ii) several distribution centers within a district to improve ease of access for farmers from remote areas. Through partnership with the Nepal Agricultural Research Council (NARC), the component also supported development, production, and distribution of genetically pure breeder and foundation seeds.

Component 3. Project coordination and monitoring and evaluation: This component continued to finance project coordination and beneficiary assessments. In addition, it included support for the Food and Nutritional Awareness programs to improve household-level understanding of food safety and nutrition.

1.3.2 Additional Financing to the Irrigation and Water Resource Management Project: The specific activities under the Additional Financing to the Irrigation and Water Resource Management Project include to support: (a) small scale and non-conventional irrigation and (b) increased local production of improved seeds and soil management. This has also three components:

Component D1²: A primary area of support were the rehabilitation and improvements of farmer-managed small scale irrigation schemes and non-conventional irrigation technologies (for example, shallow tube wells, rainwater harvesting, lift irrigation, drip and sprinkler systems and small surface irrigation). Department of Agriculture and the Department of Irrigation coordinated in the implementation of this sub-component through the existing modalities of the Irrigation and Water Resource Management Project.

Component D2: Increased local production of seeds: The main objective of this sub-component is to improve capacity of local communities to grow truthful seeds and locally, store, share/trade and propagate them. The project under this component supported seed production at local level and development of stocks of improved seeds as well as systems and capacities for continuing production and use of better seed, that provides a sustainable source of yield increase. Activities financed under this component included: (i) procurement and distribution of high-yielding varieties of foundation seeds from research station and relevant market outlets; (ii) provision of basic training

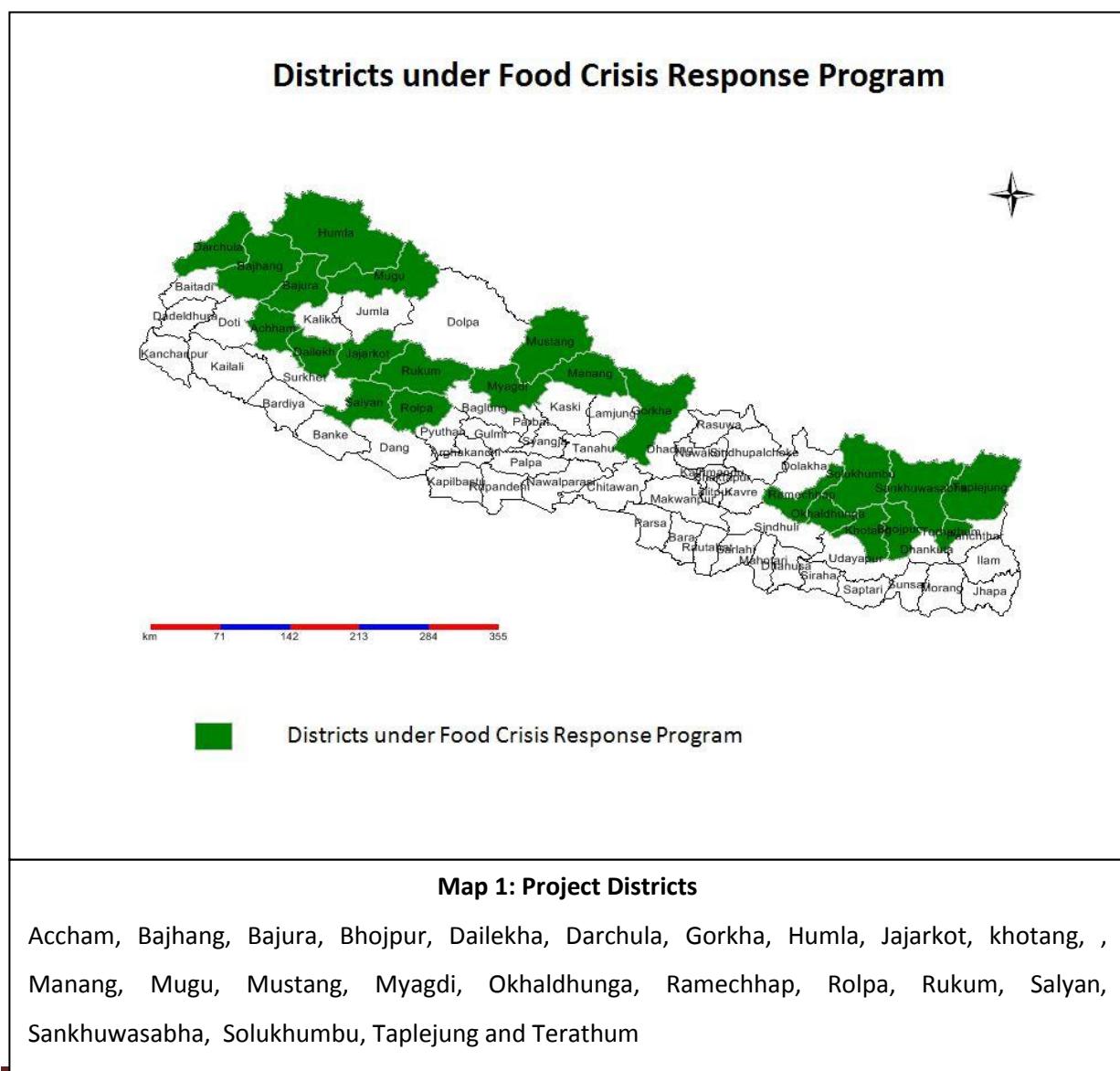
² As the additional financing supports the intermediate outcome of component D of the IWRMP only, the components of additional financing to IWRMP has been categorized as D1, D2 and D3.

to local farmers in using these foundation seeds to produce improved seed varieties (seed production); (iii) support for forming community groups for production, sharing and further propagation of these seeds and (iv) complementary inputs to improve soil management practices. The Department of Agriculture implemented this component.

Component D3: The additional financing included some financing for increased project coordination, monitoring and evaluation and beneficiary assessments.

1.4 Project area

The Food Crisis Response Program implemented under the Department of Agriculture covered the 23 severe foods insecure hilly and mountainous districts of Nepal (**Map 1**).



1.5 Implementation arrangement

Under the Social Safety Nets Project, the food/cash-for-work programs were implemented by the then Ministry of Local Development, now the Ministry of Federal Affairs and Local Development in partnership with World Food Program and technical assistance while the support related to agriculture was carried out under the on-going World Bank supported Irrigation and Water Resource Management Project. The Social Safety Nets Project was coordinated by the Ministry of Federal Affairs and Local Development and the responsibility of implementing component 1 also fell under this ministry.

The additional financing to the Irrigation and Water Resource Management Project has been implemented under the existing implementation arrangement of the Component D of the on-going Irrigation and Water Resource Management Project. In other words, the Department of Agriculture and the Department of Irrigation have implemented this additional financing.

At central level, the Project Coordination Office under the Department of Agriculture has been established in order to implement, monitor and coordinate the agricultural programs (Component D: integrated crop and water management) of the IWRMP fell under the responsibility of the Department of Agriculture. The Project Coordination Office is responsible for overall implementation and coordination of agricultural related component under the Food Crisis Response Program. Field level activities has been implemented through the respective District Agriculture Development Offices of the Department of Agriculture. This progress reports includes the progress status of the activities of the Food Crisis Response Program implemented under the Department of Agriculture.

2 Progress Status

As discussed in the earlier section, the FCRP has various components and different agencies are involved in implementing the project components such as the then Ministry of Local Development, the Department of Irrigation, the Department of Agriculture, the Poverty Alleviation Fund and the Nepal Agricultural Research Council. The progress presented in this section, however, is related to the components of the FCRP that are being implemented by the Department of Agriculture.

2.1 Construction and rehabilitation of small irrigation scheme

One of the key activities supported under the FCRP is the construction and rehabilitation of small irrigation scheme. Small/minor irrigation is defined to include command areas less than 25 ha in the

Photo 1: Hoarding board display at construction site, Small irrigation scheme, Dhuwakot, Gorkha



hills and mountains and less than 200 ha in the Terai (Irrigation Policy 2003). The principal objective of supporting for the construction and rehabilitation of small irrigation scheme is to improve food security of the small-farmers by increasing the level of their agricultural production and productivity through increased access to water regime. In order to address food crisis and support poverty alleviation program through income generation of small farmers small irrigation program has been envisaged to implement community managed small surface irrigation schemes, rain water harvesting ponds,

construction and maintenance of different type of water pumping devices, construction and O&M of damaged irrigation infrastructure on temporary or permanent basis. Regarding the mode of implementation of the small irrigation schemes, the project provided a maximum of NPR 100 thousands for a scheme whereas the community contributed at least 15% of the scheme cost.

The analysis of the progress reports of the project districts reveals that 3491 small irrigation schemes have been implemented in the project area under the FCRP that added irrigated area by 372.85 ha. It has been reported that a total of 28,394 farm households have benefited through the completion of the small irrigation schemes. The **Table 2** presents the number of small irrigation schemes completed, additional irrigated area and beneficiary households by district. The supports under the small irrigation scheme included construction of small irrigation channel, construction of water

diversion structure, establishment of sprinkler irrigation, construction of water harvest tank/pond/plastic pond, supply of irrigation pipe/water pump, rehabilitation of irrigation channel/water diversion structure and irrigation pond/tank as presented in the **Figure 1** and **Table 3**. The detail of the small irrigation schemes completed by year and by district is presented in **Annex 1 & 2**. The data further shows that improved access to irrigation through the completion of the small irrigation schemes allows to increase cropping intensity by 20% .

Table 2: Details of Small Irrigation Schemes by Districts

| District | # of small irrigation schemes completed | Incremental irrigated area, Ha | Beneficiary household |
|---------------|---|--------------------------------|-----------------------|
| Achham | 172 | 16.24 | 1543 |
| Bajhang | 221 | 23.82 | 1661 |
| Bajura | 190 | 14.35 | 1392 |
| Bhojpur | 255 | 16.62 | 1331 |
| Daiilekh | 156 | 17.11 | 1496 |
| Darchula | 220 | 19.85 | 1483 |
| Gorkha | 141 | 20.84 | 1388 |
| Humla | 88 | 9.3 | 581 |
| Jajarkot | 123 | 15.09 | 1183 |
| Khotang | 180 | 17.66 | 1234 |
| Myagdi | 122 | 21.4 | 755 |
| Manang | 57 | 7.44 | 427 |
| Mugu | 426 | 10.02 | 774 |
| Mustang | 100 | 12.91 | 755 |
| Okhaldhunga | 155 | 17.85 | 1242 |
| Ramechhap | 117 | 12.1 | 1217 |
| Rolpa | 129 | 18.05 | 1352 |
| Rukum | 135 | 17.04 | 1466 |
| Salyan | 98 | 9.8 | 982 |
| Sankhuwasabha | 114 | 27.95 | 1318 |
| Solukhumbu | 120 | 14.58 | 1356 |
| Taplejung | 230 | 14.78 | 1388 |
| Terathum | 155 | 18.05 | 1352 |
| Total | 3491 | 372.85 | 28394 |

Fig 1: Different types of intervention under small irrigation schemes

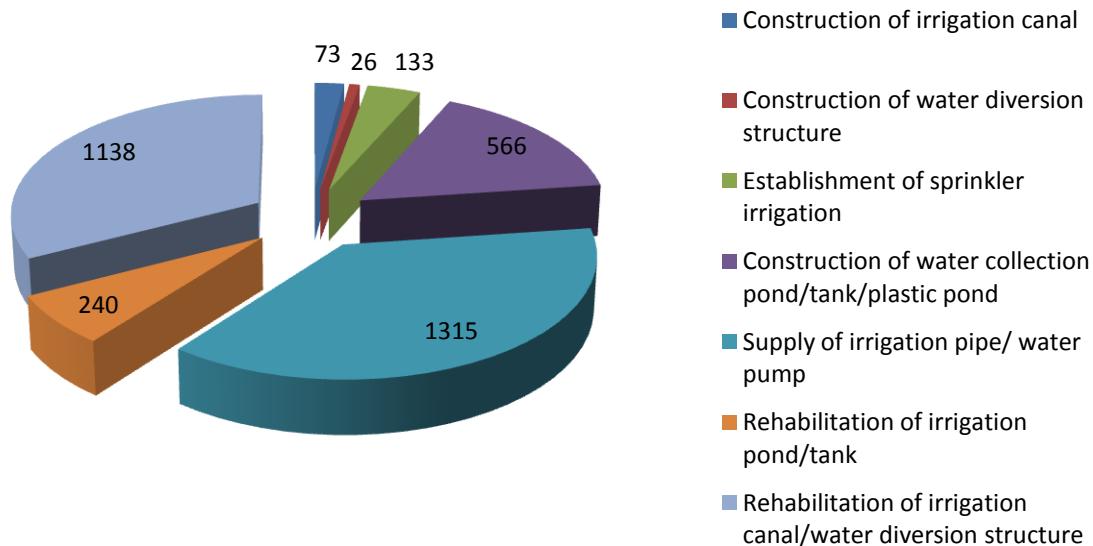


Table 3: Different types of intervention under the small irrigation schemes

| Nature of support in small irrigation scheme | # of small irrigation schemes completed | | | | | |
|--|---|-------------|-------------|------------|------------|-------------|
| | 065/66 | 066/67 | 067/68 | 068/69 | 069/70 | Total |
| Construction of irrigation canal | 0 | 19 | 2 | 42 | 10 | 73 |
| Construction of water diversion structure | 4 | 2 | 10 | 10 | 0 | 26 |
| Establishment of sprinkler irrigation | 38 | 73 | 4 | 13 | 5 | 133 |
| Construction of water collection pond/tank/plastic pond | 72 | 119 | 175 | 153 | 47 | 566 |
| Supply of irrigation pipe/ water pump | 183 | 331 | 453 | 281 | 67 | 1315 |
| Rehabilitation of irrigation pond/tank | 5 | 90 | 143 | 1 | 1 | 240 |
| Rehabilitation of irrigation canal/water diversion structure | 143 | 383 | 344 | 219 | 49 | 1138 |
| Total | 445 | 1017 | 1131 | 719 | 179 | 3491 |

Photo 2: Small irrigation scheme, Dhuwakot, Gorkha



Photo 3: Small irrigation scheme, Sankhuwasabha



2.2 Fertilizer and seed distribution under input transport subsidy scheme

The Project provided a transport subsidy for private sector to transport fertilizers and seeds up community (agricultural service center) in 23 project districts. This subsidy includes the monetary subsidy in transportation of chemical fertilizers and seeds from the place of procurement to the agricultural service center. In addition, the project also provided a 50% subsidy on the cost of the seeds. The subsidy was administered through respective District Agriculture Development Office (DADO). The total quantity of chemical fertilizer and seed transported under the subsidy scheme was 11214 and 837.57 metric ton respectively. The subsidy scheme covered 800 Village Development Committee/Municipality out of 826 Village Development Committee/Municipality in 23 project districts and 58,790 farm families benefitted through this scheme as shown in **Table 4**. The details of chemical fertilizer transported and seeds distributed under the input transport subsidy scheme are presented in **Annex 3 & 4**.

Box 1 Input transport subsidy scheme at glance

Total chemical fertilizer transported: 11214 Mt.

Total seed transported on subsidy: 837.57 Mt.

Benefitted farm households: 58,790

Coverage: 800 VDCs/Municipalities of 23 districts

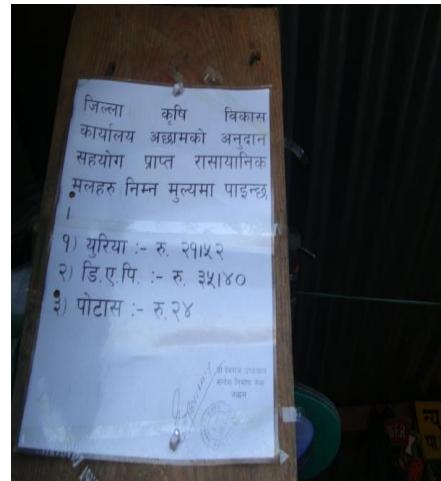
Table 4: Summary of Fertilizer and Seeds Distribution under Input Transport Subsidy Scheme

| District | Chemical fertilizer transported, Mt. | Seed transported, Mt. | Beneficiary household |
|---------------|---|-----------------------|--------------------------|
| Achham | 747 | 37.9 | 3736 |
| Bajhang | 322.9 | 47.5 | 2166 |
| Bajura | 373 | 36.6 | 2454 |
| Bhojpur | 886.25 | 41.67 | 2895 |
| Dailekh | 413 | 36 | 3438 |
| Darchula | 424 | 39 | 2038 |
| Gorkha | 444 | 39.5 | 2430 |
| Humla | 43 | 31.32 | 715 |
| Jajarkot | 239.9 | 47.07 | 2388 |
| Khotang | 594 | 43 | 4357 |
| Myagdi | 278.45 | 35 | 2580 |
| Manang | 66 | 7 | 584 |
| Mugu | 56.5 | 27 | 722 |
| Mustang | 87.9 | 8.93 | 665 |
| Okhaldhunga | 1336.37 | 42.78 | 4190 |
| Ramechhap | 427.25 | 37.5 | 3432 |
| Rolpa | 530 | 50 | 3358 |
| Rukum | 926.5 | 36 | 3173 |
| Salyan | 715.5 | 40.3 | 2205 |
| Sankhuwasabha | 534 | 36.5 | 2964 |
| Solukhumbu | 367.46 | 38 | 2105 |
| Taplejung | 621 | 39 | 3642 |
| Terathum | 780 | 40 | 2553 |
| Total | 11213.98 | 837.57 | 58790 |

Photo 3: Official checking the chemical fertilizer transported under the transportation subsidy scheme in Sankhuwasabha



Photo 4: Distributor of chemical fertilizer under transportation subsidy, Jay Gadh, Achham



Regarding the seeds , the seeds of four major crops were distributed under the input transport subsidy scheme: maize, wheat, paddy and potato. The maize seeds accounted for the highest percentage (40%) of seeds distributed among the seeds of four crops distributed under this scheme, followed by wheat (25%), paddy (18%) and potato (17%) as shown in **Figure 2**.

Fig 2: Seed distributed under input transport subsidy scheme

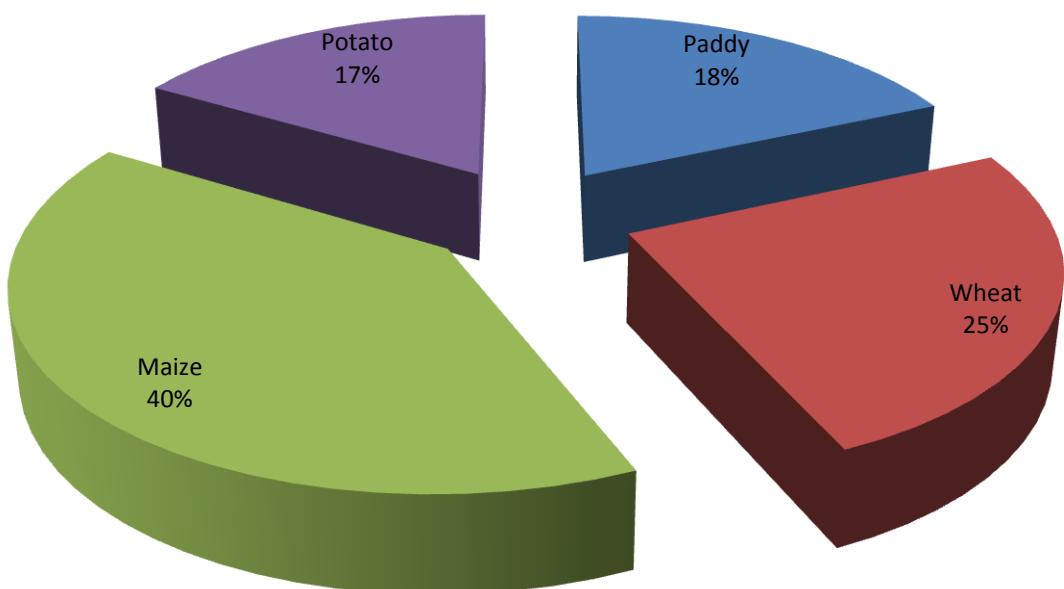


Photo 5: Farmers and fertilizer seller interacting about the chemical fertilizer under transport subsidy scheme, Okhaldhunga



Photo 6: Farmers queue to buy fertilizer under transport subsidy scheme, Khadbari, Sankhuwasabha



Photo 7: Distribution of subsidized potato seed in Diding, Sankhuwasabha



Photo 8: Distribution of subsidized wheat seed in Matsyapokhari, Sankhuwasabha



Independent monitoring and beneficiary assessment of fertilizer and improved seeds transportation and distribution in the project districts indicates improvement in the household food security after implementation of the program (**Table 5**).

Table 5: District wise food sufficiency status

| District | Food sufficiency status (month/year) | |
|---------------|--------------------------------------|---------------|
| | Before project | After project |
| Achham | 4.37 | 5.53 |
| Bajhang | 7.63 | 8.22 |
| Bajura | 8.17 | 8.96 |
| Bhojpur | 5.08 | 7.09 |
| Dailekh | 7 | 9 |
| Darchula | 8.75 | 10.13 |
| Gorkha | 6 | 8 |
| Jajarkot | 6.95 | 8.45 |
| Khotang | 4.08 | 7.49 |
| Myagdi | 7 | 10 |
| Manang | 1.5 | 1.75 |
| Mugu | 6 | 7 |
| Mustang | 7.43 | 9.6 |
| Okhaldhunga | 7.85 | 9.13 |
| Ramechhap | 6 | 9 |
| Rolpa | 4.53 | 6.19 |
| Rukum | 4.43 | 6.04 |
| Salyan | 3.7 | 5.7 |
| Sankhuwasabha | 9.56 | 11.8 |
| Solukhumbu | 6.37 | 8.07 |
| Taplejung | 5.61 | 7.13 |
| Terathum | 8.8 | 11.39 |

Sources: Gaurav Integrated Development Associates Nepal P.Ltd. (2012) & Integrated Development & Research Service (P) Ltd. (2012).

2.3 Community seed storage centre

The project has supported the farmer communities at the grassroots level in building and improving seed processing and storage facilities. The project has constructed small as well as large scale facilities. In small scale category, 38 community based seed storage centers have been constructed in 21 districts (**Box 2 & Annex 5 & 6**). Each seed storage center consisted of a office-cum seed processing house and seed storage house. The capacity of the seed storage house is 20 metric tons. The project bore 80% of the total cost of the storage house while the remaining 20% has been contributed by the community. Each centre is equipped with sets of equipments/machineries for seed processing, cleaning, treatment and bag sealing (**Box 3 & Annex 5**) except seed center developed at Humla and Mugu districts. Unlike the office-cum processing house and seed storage house that have been constructed with around 20% of community contribution, the machineries and equipments were provided on full subsidy.

Box 2: No. of community seed storage center developed in district

Accham-1, Bajhang-1, Bajura-1, Bhojpur-2,
Dailekha-1, Darchula-2, Gorkha-1, Humla-2,
Jajarkot-2, khotang-3, Myagdi-3, Mugu-1,
Okhaldhunga-3, Ramechhap-2, Rolpa-4,
Rukum-1, Salyan-2, Sankhuwasabha-1,

Box 3: Infrastructure/facilities provided in each community seed storage center (small scale)

Office-cum seed processing house, seed storage house, threshing floor, toilet, seed cleaning cum grading machine, seed treater, balance, trolley for seed bag transportation, seed auger, pH machine, digital moisture meter and seed bag sealing machine/stitching machine.

Photo 9: Community seed storage center, Saya, Humla



Photo 10: Community seed storage center, Kharpunath, Humla



It is reported, however, that two seed storage centers (Paluyntar, Gorkha and Khimti, Ramechap) were damaged by the devastating earthquake that hit Nepal on 25th of April 2015.

Photo 9: Hoarding board display at Community Seed Processing and Storage Center, Rajapur, Bardia



In addition, the project also supported to establish large scale community seed processing and storage center under community and public partnership in four locations: (i) Dibyapuri, Nawalparasi; (ii) Maharanijhoda, Jhapa; (iii) Motipur, Rupandehi and (iv) Rajapur, Bardia. The centre has drying cum transitional shade, seed processing house, seed storage (100 metric ton capacity) and separate office building surrounded by boundary wall. Seed processing plant has been equipped with all the machines needed for efficient cleaning and grading operations. The seed processing setups is fully automated computerized system (in-line processing) with the capacity of 2 metric ton per hour of seed processing. While the project contributed 80% of the cost for construction of the center, the cost of the seed processing plant and the associated equipments are fully subsidized. Details of the cost and community participation, infrastructure developed and equipments supplied in the community seed

processing plant and the associated equipments are fully subsidized. Details of the cost and community participation, infrastructure developed and equipments supplied in the community seed

processing & storage centre are presented in **Annex 7 & 8**. The construction of these four community seed processing and storage centers has just been completed on July 2015.

Box 4: Equipments/machineries provided in each community seed storage and processing center (large scale)

Seed Cleaner cum Grader, Indented Cylindrical Separator, Vertical Bucket Elevator to feed Seed to Seed Gravity Separator, Seed Gravity Separator, Vertical Bucket Elevator to feed Seeds to Seed Treater, Seed Treater, Vertical Bucket Elevator to feed Seeds to Feed Hopper, Feed Hopper for Manual Bag Clamping Arrangement, Heavy duty Bag Closer with Belt Conveyor, Electric Control Panel (Mimic type) for Each Unit of In-Line Processing Plant, Required Number of Seed Diverting Chutes and Pit Cover for Each Unit of In-Line Processing Plant, Multi-crop Thresher, Seed Auger, Seed Moisture Meter, Platform Balance 100Kg, Trolley for Seed Bag, Pallet (5 ft x 5 ft)

Photo 10: Community seed storage and processing center, Motipur, Rupandehi



Photo 11: Drying cum transitional shade



Photo 12: Seed processing house



Photo 13: Office building



Photo 14: Storage house



Photo 15: In-line processing plant installed in community seed processing & storage center, Bardiya



Photo 16: Electric control panel of in-line processing plant



Photo 17: Pallets



Photo 18: Trolley for seed bags



2.4 Capacity building of farmers and technicians

Under the capacity building, the project provided different types of training to the staff of the DADOs and the farmers of the project districts. Notable trainings are described below and total number of training conducted under the FCRP is presented in **Table 6**.

Table 6: Training conducted under the Food Crisis Response Program

| Activities | Quantity |
|--|----------|
| Officer level training (No of participants) | 116 |
| JT/JTA level training (No of participants) | 166 |
| Farmer level training (No of participants) | 284 |
| Service centre level farmer training on sustainable soil management practices(No. of training) | 480 |
| Farmer field school (FFS) on integrated plant nutrient management (No. of FFS) | 101 |

In order to operate the community seed storage center effectively, 58 farmers who are directly involved in managing the community seed storage centre and seed production business, have been trained in management of revolving fund, handling of seed processing plant and seed production business plan.

134 leader farmers have been trained in the management of small irrigation scheme construction/rehabilitation and seed production.

64 technicians (officers, junior technicians and junior technical assistant) have been trained in the management of small

Photo 19: Seed production training (technical staff), Khajura, Banke



Photo 20: Seed production training (farmer level), Khajura, Banke



irrigation scheme construction/rehabilitation and seed production.

By realizing the shortage of manpower in design and cost estimate for small irrigation scheme construction and rehabilitation in the project districts, the project have trained 60 junior technicians and junior technical assistants in the field of design, cost estimate and bills preparation for small irrigation scheme

construction/rehabilitation. These trained technicians have authority for cost estimate and final bill preparation of the schemes costing upto NPR 0.1 million. 2225 farmers have been trained on integrated plant nutrient management through 101 farmer field schools. 9140 farmers have been trained on sustainable soil management practices through 480 service centre level training.

2.5 Seed production program

It is reported that through the use of 50% subsidized source seeds, 2093.3 metric tons of quality seeds was produced at community level through the District Agriculture Development Offices. As shown in **Figure 3**, seed potato accounted for the highest percentage (33%) of seeds produced among the seeds of four crops produced, followed by maize (30%), wheat (21%) and paddy (16%). Seed production by year is presented in **Table 7** whereas details of seed production by district is presented in **Annex 9**.

In addition to the community level seed production through the use of subsidized source seeds, Nepal Agriculture Research Council (NARC) implemented the seed component of the SSNP to improving production and supply of quality seeds of food crops. The NARC reported that 213.9 and 2828.8 metric tons of breeder seeds and foundation seeds respectively was produced under the SSNP as against the target of 340 metric ton of breeder seeds and 3313 metric tons of foundation seeds (**Table 8**). The details of seed produced through NARC is attached in **Annex 10**.

Photo 21: Wheat seed production, Salyan



Table 7: Seed production by year, Mt.

| Crop | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 | Total |
|--------------|-------------|--------------|------------|------------|------------|---------------|
| Potato | 28.5 | 157.5 | 156 | 212.5 | 136.5 | 691 |
| Maize | 20.5 | 136 | 151 | 209 | 113 | 629.5 |
| Wheat | 15 | 102 | 102 | 112 | 113 | 444 |
| Rice | 9.8 | 45 | 95 | 84.5 | 94.5 | 328.8 |
| Total | 73.8 | 440.5 | 504 | 618 | 457 | 2093.3 |

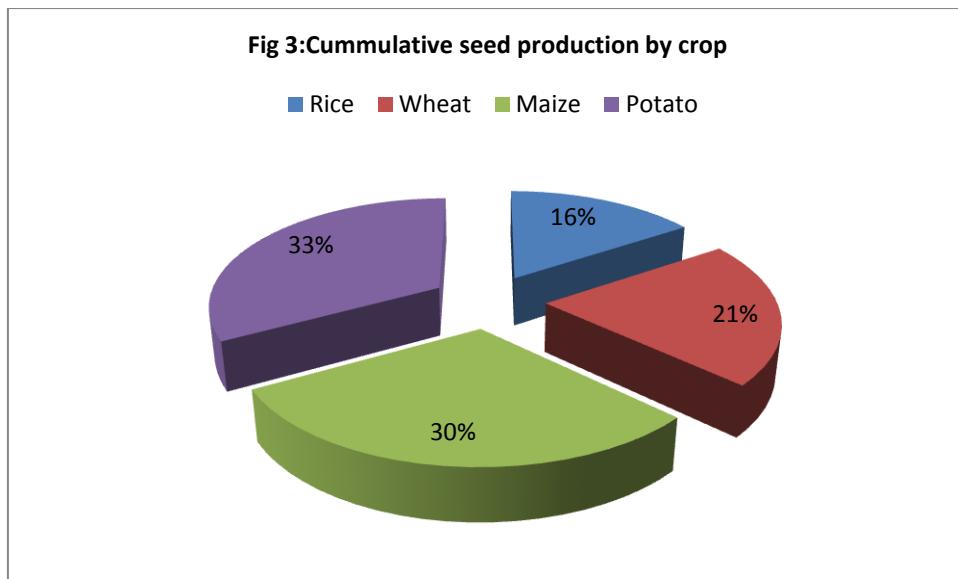


Table 8: Crop-wise production of breeder and foundation seeds through NARC

| Type of seed | Rice | Wheat | Maize | Lentil | Millet | Total |
|-----------------|---------------|--------------|--------------|-------------|-----------|---------------|
| Breeder seed | 73.2 | 110.3 | 26.1 | 3.4 | 0.9 | 213.9 |
| Foundation seed | 1425.4 | 851.4 | 500.4 | 40.5 | 11.1 | 2828.8 |
| Total | 1498.6 | 961.7 | 526.5 | 43.9 | 12 | 3042.7 |

Source: NARC (2013)

A revolving fund has also been established for facilitating production, collection, processing, storage and marketing of seeds. In the revolving fund, the project provided NPR 0.2 million each for 38 farmer groups/cooperatives that have managed community seed storage center while the respective farmer groups have contributed 25% of grant amount (NPR 50 thousands). The revolving fund can be used (i) for storing seeds purchased from farmers who have availed grant for producing seeds and who have to sell seeds immediately and also for purchasing source seeds under such program only; (ii) for facilitating safe storage and distribution of quality seeds and for purchasing materials for storing seeds in plastic/jute sacks etc. and (iii) for inspiring farmers for greater use of sprayer, seed bins (metal bins), seed drum, and instruments like sack knitting machines etc.

2.6 Soil fertility management program

Soil fertility management programs were also launched to improve crop production and productivity in a sustainable manner. In addition to distribute chemical fertilizer under transportation subsidy, the project also promoted locally produced organic manure to maintain soil fertility. The key activities under the soil fertility management program included cattle shed improvement

Photo 22: Demonstration plot for IPNS FFS



program, compost/micronutrient demonstrations, farmer field school on integrated plant nutrient management and farmer training to promote sustainable soil management practices. Key activities under soil fertility management program is listed in **Table 9**.

Table 9: Key activities under soil fertility management program

| Activities | Quantity/progress |
|---|---|
| Cattle shed improvement program | 2811 |
| On-farm demonstration of compost making/micro-nutrient | 2693 |
| Farmer field school (FFS) on integrated plant nutrient management | No. of FFS: 101 Farmers trained: 2225 |
| Farmer training on sustainable soil management practices | No. of training: 480 Farmer trained:9140 |

2.7 Support for resource center

The project also strengthened the government resource centre in order to enhance their capacity to serve the farmers of the project districts. The support for resource center included developing physical infrastructure and supply of lab equipments and farm machineries.

Physical infrastructure of 10 government farms/centers have been strengthened using the FCRP resources making them more effective and efficient for service delivery. Details of construction/rehabilitation of resource center is presented in **Table 10**.

The lab equipments have been provided to the Directorate of Soil Management, the Regional Soil Testing Laboratories, the Directorate of Fisheries Development and the Directorate of Vegetable Development (**Table 11**).

Considering that government farms and centers' constraint in producing quality source seeds and planting materials required for the farmers of the project area due to the lack of farm machinery, the project also supplied farm machineries to the farm (**Table 12**)

Photo 23: Onion storage house constructed in the Horticulture Center, Nawalpur, Sarlahi



Table 10: Details of construction/rehabilitation of resource center by the project

| Construction/rehabilitation work |
|--|
| Barbed wire fencing in the Regional Agriculture Training Center, Sundarpur, Kanchapur |
| Construction of boundary wall fencing in the Fisheries Development Center, Geta, Kailali |
| Construction of boundary wall fencing in the Horticulture center, Janakpur |
| Construction of onion storage house (5 mt capacity) in the Horticulture Center, Nawalpur, Sarlahi |
| Construction of threshing floor in the Citrus Development Center, Palpa |
| Construction of threshing floor in the Vegetable Seed Production Center, Dolpa |
| Construction of threshing floor in the Spice Crop Development Center, Panchkhal |
| Construction of water harvest tank in the Horticulture Development Center, Marpha, Mustang |
| Establishment of conference hall in the Department of Agriculutre, Hariharbhawan, Lalitpur |
| Office building and guest house renovation in the Janakpur Agriculture Development Project, Janakpur |

Photo 24: Threshing floor constructed in the Citrus Development Center, Palpa



Photo 25: Water harvest tank constructed in the Horticulture Development Center, Marpha, Mustang



Photo 26: Barbed wire fencing in the Regional Agriculture Training Center, Sundarpur, Kanchapur



Table 11: Lab equipments supported by the project

| Lab equipments | Quantity |
|--|-----------------|
| Lab equipments provided to the Directorate of Soil Management | |
| Atomic absorption spectrophotometer | 1 |
| Digital pH meter | 1 |
| Electronic precision balance | 1 |
| Flame photometer | 2 |
| Kjeldahl digestion system | 1 |
| Spectrophotometer | 1 |
| Lab equipments provided to the Regional Seed Laboratory | |
| Advanced biological microscope | 1 |
| Desiccator | 1 |
| Digital grain moisture meter | 4 |
| Electronic precision balance | 3 |
| Hot air oven | 2 |
| Seed germinator | 1 |
| Trinocular stereozoom microscope | 1 |
| Lab equipments provided to the Directorate of Fisheries Development | |
| Advanced biological microscope | 1 |
| Microtome | 1 |
| Multi-parameter water quality testing equipment | 1 |
| Tissue processor | 1 |
| Video-cum photo camera (for microscope) | 1 |
| Lab equipments provided to the Directorate of Vegetable Development | |
| Centrifugal pump (2 HP) | 3 |
| Digital grain moisture meter | 4 |
| Electronic platform scale (100 kg) | 3 |
| Electronic platform scale (10 kg) | 3 |
| Power sprayer | 11 |
| Seed germinator | 4 |
| Trinocular stereozoom microscope | 2 |

Photo 27: Atomic absorption spectrophotometer provided to the Directorate of Soil Management



Photo 28: Flame photometer provided to the Directorate of Soil Management



Table 12: Farm machineries supported by the project

| Farm machineries | Quantity |
|---|----------|
| Farm machineries provided to the Seed Production Center, Chandradangi, Jhapa | |
| Tractor | 1 |
| Seed Grader | 1 |
| Farm machineries provided to the Horticulture Center, Nawalpur, Sarlahi | |
| Rotavator | 1 |
| Seed Grader | 1 |
| Farm machineries provided to the Horticulture Center, Marpha, Mustang | |
| Power tiller | 1 |
| Farm machineries provided to the Horticulture Center, Janakpur | |
| Power tiller | 1 |
| Farm machineries provided to the Horticulture Center, Nuwakot | |
| Power tiller | 1 |
| Farm machineries provided to the Seed Production Center, Rukum | |
| Power tiller | 1 |
| Farm machineries provided to the Spice Crop Development Center, Panchkhal | |
| Power tiller | 1 |

3. Proposed Program for Fiscal Year 2015/16

Out of the two separate projects under the Food Crisis Response Program, the Social Safety Nets Project has already been closed on 30th September, 2014 whereas the original closing date of the Additional Financing to the Irrigation and Water Resource Management Project was June 30, 2013 but has been extended thrice with new closing date of June 30, 2016. The last extension was due mainly to support recovery activities following the earthquake of April 25, 2015. Recognizing the need to support rebuilding agriculture following the devastating earthquake, the Government of Nepal requested extension of the closing date of the project to utilize the remaining money for rebuilding agriculture.

3.1 Proposed districts: Given the size of the money available, only four districts have been selected. They are Gorkha, Ramechap, Khotang and Solukhumbu districts which fall within the 23 districts supported by the food crisis program and within 31 districts affected by the earthquake.

3.2 Key activities: Within the framework of recommendations made by the Post-Disaster Needs Assessment (PDNA) report, the rebuilding activities will focus on (i) construction of livestock sheds, (ii) establishment of community seed banks, and (iii) supply of small farm machineries. The details of activities with quantity and budget by district is attached in **Table 15**.

3.3 Modality of support: Out of the three key activities, livestock shed construction will be implemented through the respective District Agricultural Development Offices (DADO) in close coordination with the District Disaster Relief Committee (DDRC) while community seed bank establishment and supply of small farm machineries will be administered through the Project Coordinator's Office (PCO). The reason behind the involvement of the PCO in the construction of the community seed bank is that the DADO has no technical capacity to design and supervise the community seed bank. However, the DADO and DDRC will be engaged in site selection, acquisition of land and in monitoring of the construction work. Further, the proposed districts are in remote areas where there are no suppliers to provide farm implements and construction materials in the required amount. Thus, the PCO will procure the farm implement at national level and supply them to the target districts. However, it is the DADO, in close coordination with the DDRC, that will identify and select the target beneficiary households.

The following procedure will be adopted to construct the livestock shed in order to ensure the quality of work and to ensure that the beneficiaries selected are genuine.

1. Orientation workshops will be organized where stakeholders will be invited and explained the objective and nature of support, budget and beneficiary selection criteria to ensure transparent process.
2. DDRC will call a meeting to develop the selection criteria, identify the potential beneficiaries and select the target households. In order to ensure the real victim gets the support, the program will collect detailed information of the targeted households including photographs and mobile number (if available) and make this information available for general public.
3. Once the target household has been finalized, a one-day orientation workshop will be organized for the target household to brief them on the budget for each livestock shed, technical design, quality of work, method of payment and their role and contribution.
4. Local resource person will be deployed at the local level to monitor the progress, provide technical backstopping and supervision to maintain the quality of the work. The DDRC will also monitor the progress.
5. Once the proposed rebuilding activities are completed, progress review workshop will be organized where the supported households will present the supports they have received, cost associated to wider audience.

3.4 Proposed Budget: A total budget of NPR 207.496 million is proposed for the earthquake relief program for Fiscal Year 2015/2016 which are summarized in the **Table 13, 14 & 15** below.

Table 13: Proposed budget by Organizations

| Organization | Budget , NPR('000) |
|--|---------------------------|
| Project Coordination Office | 49,960 |
| District Agriculture Development Office, Gorkha | 47,014 |
| District Agriculture Development Office, Ramechaap | 47,014 |
| District Agriculture Development Office, Okhaldhunga | 31,754 |
| District Agriculture Development Office, Khotang | 31,754 |
| Total | 207,496 |

Table 14: Details on activities to be implemented through the Project Coordinator's Office
Budget in NPR ('000)

| S.N. | Activities | Unit | Target | Budget, |
|--------------|---|-------|--------|---------------|
| 1 | Community Seed Bank Establishment | Nos. | 10 | 35,000 |
| 2 | Small Farm Machineries Distribution | Times | 4 | 13,000 |
| 3 | Progress Report Publication | Nos. | 1 | 100 |
| 4 | Monitoring and Evaluation | L.S. | | 706 |
| 5 | Office Management (Fuel, Maintenance, Others) | L.S. | | 1,154 |
| Total | | | | 49,960 |

Table 15: Details on activities to be supported in the target districts and associated budget ('000)

| S.N. | Activities | Unit | Gorkha | | Ramechap | | Khotang | | Solukhumbu | | Total Budget |
|--------------|--|---------|--------|---------------|----------|---------------|---------|---------------|------------|---------------|----------------|
| | | | Target | Annual Budget | Target | Annual Budget | Target | Annual Budget | Target | Annual Budget | |
| 1 | Orientation workshop on relief program | Nos. | 1 | 125 | 1 | 125 | 1 | 125 | 1 | 125 | 500 |
| 2 | District Disaster Relief Committee (Agriculture Cluster) meeting | Nos. | 3 | 188 | 3 | 188 | 3 | 188 | 3 | 188 | 752 |
| 3 | 1 day orientation training program to target households | Nos. | 12 | 600 | 12 | 600 | 6 | 300 | 6 | 300 | 1,800 |
| 4 | Mobilization of LRP | M'dayss | 450 | 270 | 450 | 270 | 300 | 180 | 300 | 180 | 900 |
| 5 | Livestock shed rehabilitation/ construction | Nos. | 1794 | 44850 | 1794 | 44850 | 1206 | 30150 | 1206 | 30150 | 150,000 |
| 6 | Progress review and public hearing workshop | | 1 | 125 | 1 | 125 | 1 | 125 | 1 | 125 | 500 |
| 7 | Monitoring and Evaluation | Nos. | 45 | 450 | 45 | 450 | 30 | 300 | 30 | 300 | 1,500 |
| 8 | Progress report publication | Nos. | 1 | 30 | 1 | 30 | 1 | 30 | 1 | 30 | 120 |
| 9 | Office management (Fuel, Maintenance, Others) | L.S. | | 376 | | 376 | | 356 | | 356 | 1,464 |
| Total | | | | 47014 | | 47014 | | 31754 | | 31754 | 157,536 |

4. References

Gaurav Integrated Development Associates Nepal P.Ltd. (2012). Final Report for Consultancy Services for Independent Monitoring and Beneficiary Assessment of Fertilizer and Improved Seeds in the Food Deficit Districts under Cluster A. Gaurav Integrated Development Associates Nepal P.Ltd., Kathmandu,Nepal.

Integrated Development & Research Service (P) Ltd. (2012). Final Report: Consulting Services For Independent Monitoring and Beneficiary Assessment Of Fertilizer and Improved Seed Transportation and Distribution in Districts-Cluster B (Darchula, Bajhang, Bajura, Achham, Dailekh, Jajarkot, Mugu, Humla, Salyan, Rukum and Rolpa). Integrated Development & Research Service (P) Ltd., Kathmandu, Nepal.

World Bank (2015). Implementation Completion and Results Report on a Grant/Credit in the Amount of SDR 40.1 Million to the Federal Democratic Republic of Nepal for a Social Safety Nets Project. Report No: ICR00003263. Nepal Country Department, South Asia Region, the World Bank.

Irrigation and Water Resource Management Project (2014). Progress Report(FY 2008 to 2014): Food Crisis Response Program: Additional Financing to IWRMP Social Safety Nets Project. Irrigation and Water Resource Management Project, Harihar Bhawan, Lalitpur.

World Bank (2008). Emergency Project Paper under the Global Food Crisis Response Program to Nepal on a Proposed Social Safety Net Project consisting of a proposed credit in the Amount of SDR 10.6 Million and a Grant from the Food Crisis Response Trust Fund for US\$5.0 Million and an Additional Financing Credit to the Irrigation and Water Resource Management Project in the Amount of SDR 9.1 Million. Sustainable Development Department, the World Bank.

Kishor Prasad Pant, K. P., Bhusal, M. & Shah, R (2014). Proceedings of the National Review Seminar on Food Crisis Response Program. Department of Agriculture. Harihar Bhawan, Lalitpur.

Irrigation and Water Resource Management Project (2015). Annual Progress Report (FY 2013/14): Food Crisis Response Program. Irrigation and Water Resource Management Project, Hariharbhawan, Lalitpur.

Nepal Agricultural Research Council (2013). Project Progress Report: Additional Financing for the Nepal Social Safety Nets Project Seed Sub-Component 2 (SSNP-AF/SS-2): Support for seed. Seed Science & Technology Division, Nepal Agricultural Research Council, Lalitpur, Nepal.

Annex 1: Small irrigation schemes completed by year under the Food Crisis Response Program

| District | # of small irrigation schemes completed | | | | | |
|---------------|---|-------------|-------------|------------|------------|-------------|
| | 065/66 | 066/67 | 067/68 | 068/69 | 069/70 | Total |
| Achham | 23 | 56 | 66 | 21 | 6 | 172 |
| Bajhang | 26 | 64 | 89 | 38 | 4 | 221 |
| Bajura | 16 | 45 | 66 | 53 | 10 | 190 |
| Bhojpur | 64 | 66 | 68 | 47 | 10 | 255 |
| Dailekh | 18 | 39 | 48 | 41 | 10 | 156 |
| Darchula | 24 | 70 | 80 | 40 | 6 | 220 |
| Gorkha | 16 | 60 | 65 | 48 | 17 | 206 |
| Humla | 13 | 28 | 32 | 12 | 3 | 88 |
| Jajarkot | 25 | 28 | 42 | 24 | 4 | 123 |
| Khotang | 13 | 64 | 47 | 41 | 15 | 180 |
| Myagdi | 18 | 28 | 38 | 27 | 11 | 122 |
| Manang | 13 | 18 | 15 | 9 | 2 | 57 |
| Mugu | 16 | 32 | 38 | 25 | 3 | 114 |
| Mustang | 14 | 32 | 36 | 12 | 6 | 100 |
| Okhaldhunga | 16 | 47 | 48 | 34 | 10 | 155 |
| Ramechhap | 10 | 40 | 35 | 24 | 8 | 117 |
| Rolpa | 16 | 36 | 43 | 28 | 6 | 129 |
| Rukum | 13 | 48 | 44 | 24 | 6 | 135 |
| Salyan | 0 | 36 | 36 | 19 | 7 | 98 |
| Sankhuwasabha | 17 | 48 | 44 | 31 | 8 | 148 |
| Solukhumbu | 18 | 37 | 38 | 20 | 7 | 120 |
| Taplejung | 31 | 54 | 65 | 69 | 11 | 230 |
| Terathum | 25 | 41 | 48 | 32 | 9 | 155 |
| Total | 445 | 1017 | 1131 | 719 | 179 | 3491 |

Annex 2 Details of small irrigation schemes completed under the Food Crisis Response Program

| District | Nature of support in small irrigation scheme | # of small irrigation schemes completed | | | | | |
|----------|--|---|-----------|-----------|-----------|-----------|------------|
| | | 065/66 | 066/67 | 067/68 | 068/69 | 069/70 | Total |
| Achham | Construction of irrigation canal | | 1 | | | 2 | 3 |
| | Construction of water diversion structure | | | 10 | 9 | | 19 |
| | Establishment of sprinkler irrigation | 2 | | | | 1 | 3 |
| | Construction of water collection pond/tank/plastic pond | 7 | | 7 | | | 14 |
| | Supply of irrigation pipe/ water pump | 5 | 16 | 28 | | | 49 |
| | Rehabilitation of irrigation pond/tank | | 13 | 2 | | | 15 |
| | Rehabilitation of irrigation canal/water diversion structure | 9 | 26 | 19 | 12 | 3 | 69 |
| | Total | 23 | 56 | 66 | 21 | 6 | 172 |
| Bajhang | Construction of irrigation canal | | 9 | | | | 9 |
| | Construction of water diversion structure | | | | | | 0 |
| | Establishment of sprinkler irrigation | | | | | | 0 |
| | Construction of water collection pond/tank/plastic pond | 10 | 22 | 20 | 10 | 4 | 66 |
| | Supply of irrigation pipe/ water pump | 9 | | 11 | 3 | | 23 |
| | Rehabilitation of irrigation pond/tank | | 4 | 9 | | | 13 |
| | Rehabilitation of irrigation canal/water diversion structure | 7 | 29 | 49 | 25 | | 110 |
| | Total | 26 | 64 | 89 | 38 | 4 | 221 |
| Bajura | Construction of irrigation canal | | | | 36 | 4 | 40 |
| | Construction of water diversion structure | 2 | | | | | 2 |
| | Establishment of sprinkler irrigation | 2 | | | | | 2 |
| | Construction of water collection pond/tank/plastic pond | 7 | | | | | 7 |
| | Supply of irrigation pipe/ water pump | | | 28 | | | 28 |
| | Rehabilitation of irrigation pond/tank | | | 11 | | | 11 |
| | Rehabilitation of irrigation canal/water diversion structure | 5 | 45 | 27 | 17 | 6 | 100 |
| | Total | 16 | 45 | 66 | 53 | 10 | 190 |

| District | Nature of support in small irrigation scheme | # of small irrigation schemes completed | | | | | |
|----------|--|---|-----------|-----------|-----------|-----------|------------|
| | | 065/66 | 066/67 | 067/68 | 068/69 | 069/70 | Total |
| Bhojpur | Construction of irrigation canal | | | | | | |
| | Construction of water diversion structure | | | | | | 0 |
| | Establishment of sprinkler irrigation | 7 | | | | | 7 |
| | Construction of water collection pond/tank/plastic pond | 4 | | 7 | 9 | | 20 |
| | Supply of irrigation pipe/ water pump | 32 | 51 | 46 | 27 | 10 | 166 |
| | Rehabilitation of irrigation pond/tank | | | 6 | | | 6 |
| | Rehabilitation of irrigation canal/water diversion structure | 21 | 15 | 9 | 11 | | 56 |
| | Total | 64 | 66 | 68 | 47 | 10 | 255 |
| Dailekh | Construction of irrigation canal | | | | | | |
| | Construction of water diversion structure | | | | | | 0 |
| | Establishment of sprinkler irrigation | 1 | 1 | | | | 2 |
| | Construction of water collection pond/tank/plastic pond | 4 | 4 | 6 | 34 | 10 | 58 |
| | Supply of irrigation pipe/ water pump | 7 | 20 | 25 | | | 52 |
| | Rehabilitation of irrigation pond/tank | | 11 | 6 | | | 17 |
| | Rehabilitation of irrigation canal/water diversion structure | 6 | 3 | 11 | 7 | | 27 |
| | Total | 18 | 39 | 48 | 41 | 10 | 156 |
| Darchula | Construction of irrigation canal | | | | 2 | 1 | 3 |
| | Construction of water diversion structure | | | | | | 0 |
| | Establishment of sprinkler irrigation | | 3 | | | | 3 |
| | Construction of water collection pond/tank/plastic pond | | | 21 | 6 | 3 | 30 |
| | Supply of irrigation pipe/ water pump | 24 | 36 | 22 | 23 | | 105 |
| | Rehabilitation of irrigation pond/tank | | 6 | 5 | | | 11 |
| | Rehabilitation of irrigation canal/water diversion structure | | 25 | 32 | 9 | 2 | 68 |
| | Total | 24 | 70 | 80 | 40 | 6 | 220 |

| District | Nature of support in small irrigation scheme | # of small irrigation schemes completed | | | | | |
|----------|--|---|-----------|-----------|-----------|-----------|------------|
| | | 065/66 | 066/67 | 067/68 | 068/69 | 069/70 | Total |
| Gorkha | Construction of irrigation canal | | | | | | |
| | Construction of water diversion structure | | | | | | 0 |
| | Establishment of sprinkler irrigation | | | | | | 0 |
| | Construction of water collection pond/tank/plastic pond | | 24 | 24 | 3 | 6 | 57 |
| | Supply of irrigation pipe/ water pump | 2 | 12 | 7 | 9 | 4 | 34 |
| | Rehabilitation of irrigation pond/tank | | 8 | 5 | | | 13 |
| | Rehabilitation of irrigation canal/water diversion structure | 14 | 16 | 29 | 36 | 7 | 102 |
| | Total | 16 | 60 | 65 | 48 | 17 | 206 |
| Humla | Construction of irrigation canal | | | | | | |
| | Construction of water diversion structure | | | | | | 0 |
| | Establishment of sprinkler irrigation | | 6 | | | | 6 |
| | Construction of water collection pond/tank/plastic pond | 2 | 5 | 9 | | 2 | 18 |
| | Supply of irrigation pipe/ water pump | 9 | 11 | 5 | 6 | 1 | 32 |
| | Rehabilitation of irrigation pond/tank | | | 14 | | | 14 |
| | Rehabilitation of irrigation canal/water diversion structure | 2 | 6 | 4 | 6 | | 18 |
| | Total | 13 | 28 | 32 | 12 | 3 | 88 |
| Jajarkot | Construction of irrigation canal | | | | | | |
| | Construction of water diversion structure | | | | | | 0 |
| | Establishment of sprinkler irrigation | 2 | | | | | 2 |
| | Construction of water collection pond/tank/plastic pond | 6 | | 10 | 5 | 4 | 25 |
| | Supply of irrigation pipe/ water pump | 10 | 13 | 8 | 9 | | 40 |
| | Rehabilitation of irrigation pond/tank | | | 16 | | | 16 |
| | Rehabilitation of irrigation canal/water diversion structure | 7 | 15 | 8 | 10 | | 40 |
| | Total | 25 | 28 | 42 | 24 | 4 | 123 |
| Khotang | Construction of irrigation canal | | | | | | |
| | Construction of water diversion structure | | | | | | 0 |

| District | Nature of support in small irrigation scheme | # of small irrigation schemes completed | | | | | |
|----------|--|---|-----------|-----------|-----------|-----------|------------|
| | | 065/66 | 066/67 | 067/68 | 068/69 | 069/70 | Total |
| | Establishment of sprinkler irrigation | | | | | | 0 |
| | Construction of water collection pond/tank/plastic pond | 4 | 1 | 2 | 11 | 5 | 23 |
| | Supply of irrigation pipe/ water pump | 5 | 11 | 16 | 17 | 6 | 55 |
| | Rehabilitation of irrigation pond/tank | | 18 | 15 | | | 33 |
| | Rehabilitation of irrigation canal/water diversion structure | 4 | 34 | 14 | 13 | 4 | 69 |
| | Total | 13 | 64 | 47 | 41 | 15 | 180 |
| | | | | | | | |
| Myagdi | Construction of irrigation canal | | | | | | |
| | Construction of water diversion structure | | | | | | 0 |
| | Establishment of sprinkler irrigation | 3 | 8 | | | | 11 |
| | Construction of water collection pond/tank/plastic pond | 2 | 6 | 1 | 9 | | 18 |
| | Supply of irrigation pipe/ water pump | 11 | 8 | 37 | 18 | 11 | 85 |
| | Rehabilitation of irrigation pond/tank | | | | | | 0 |
| | Rehabilitation of irrigation canal/water diversion structure | 2 | 6 | | | | 8 |
| | Total | 18 | 28 | 38 | 27 | 11 | 122 |
| | | | | | | | |
| Manang | Construction of irrigation canal | | | | 2 | | 2 |
| | Construction of water diversion structure | | | | | | 0 |
| | Establishment of sprinkler irrigation | 3 | 3 | | | | 6 |
| | Construction of water collection pond/tank/plastic pond | | | 5 | 3 | 2 | 10 |
| | Supply of irrigation pipe/ water pump | 7 | 5 | 8 | 4 | | 24 |
| | Rehabilitation of irrigation pond/tank | | | 1 | | | 1 |
| | Rehabilitation of irrigation canal/water diversion structure | 3 | 10 | 1 | | | 14 |
| | Total | 13 | 18 | 15 | 9 | 2 | 57 |
| | | | | | | | |
| Mugu | Construction of irrigation canal | | | | | 2 | 2 |
| | Construction of water diversion structure | | | | | | 0 |
| | Establishment of sprinkler irrigation | | 3 | | | | 3 |

| District | Nature of support in small irrigation scheme | # of small irrigation schemes completed | | | | | |
|-------------|--|---|-----------|-----------|-----------|-----------|------------|
| | | 065/66 | 066/67 | 067/68 | 068/69 | 069/70 | Total |
| | Construction of water collection pond/tank/plastic pond | | 10 | 3 | 9 | | 22 |
| | Supply of irrigation pipe/ water pump | 6 | 4 | 24 | 7 | 1 | 42 |
| | Rehabilitation of irrigation pond/tank | | | 15 | | | 15 |
| | Rehabilitation of irrigation canal/water diversion structure | 10 | | 11 | 9 | | 30 |
| | Total | 16 | 32 | 38 | 25 | 3 | 114 |
| | | | | | | | |
| Mustang | Construction of irrigation canal | | | 4 | | | 4 |
| | Construction of water diversion structure | | | | | 1 | 1 |
| | Establishment of sprinkler irrigation | | | | | | 0 |
| | Construction of water collection pond/tank/plastic pond | 6 | | 4 | | | 10 |
| | Supply of irrigation pipe/ water pump | 3 | 2 | 3 | 4 | | 12 |
| | Rehabilitation of irrigation pond/tank | 5 | | 3 | 1 | | 9 |
| | Rehabilitation of irrigation canal/water diversion structure | | 26 | 26 | 6 | 6 | 64 |
| | Total | 14 | 32 | 36 | 12 | 6 | 100 |
| | | | | | | | |
| Okhaldhunga | Construction of irrigation canal | | | | | | 0 |
| | Construction of water diversion structure | 1 | 1 | | | | 2 |
| | Establishment of sprinkler irrigation | 3 | 9 | 4 | 13 | 4 | 33 |
| | Construction of water collection pond/tank/plastic pond | 8 | 14 | 21 | 11 | 3 | 57 |
| | Supply of irrigation pipe/ water pump | | 4 | | | | 4 |
| | Rehabilitation of irrigation pond/tank | | | 3 | 2 | | 5 |
| | Rehabilitation of irrigation canal/water diversion structure | 4 | 16 | 21 | 10 | 3 | 54 |
| | Total | 16 | 47 | 48 | 34 | 10 | 155 |
| | | | | | | | |
| Ramechhap | Construction of irrigation canal | | | | | | |
| | Construction of water diversion structure | | | | | | 0 |
| | Establishment of sprinkler irrigation | 2 | | | | | 2 |
| | Construction of water collection pond/tank/plastic pond | 2 | 10 | 9 | 8 | 1 | 30 |

| District | Nature of support in small irrigation scheme | # of small irrigation schemes completed | | | | | |
|----------|--|---|-----------|-----------|-----------|----------|------------|
| | | 065/66 | 066/67 | 067/68 | 068/69 | 069/70 | Total |
| | Supply of irrigation pipe/ water pump | 3 | 23 | 7 | 11 | 3 | 47 |
| | Rehabilitation of irrigation pond/tank | | | 14 | | | 14 |
| | Rehabilitation of irrigation canal/water diversion structure | 3 | 7 | 5 | 5 | 4 | 24 |
| | Total | 10 | 40 | 35 | 24 | 8 | 117 |
| | | | | | | | |
| Rolpa | Construction of irrigation canal | | | 2 | | | 2 |
| | Construction of water diversion structure | | 1 | | | | 1 |
| | Establishment of sprinkler irrigation | 1 | 20 | | | | 21 |
| | Construction of water collection pond/tank/plastic pond | | 9 | 4 | 8 | 3 | 24 |
| | Supply of irrigation pipe/ water pump | 8 | | 27 | 11 | 1 | 47 |
| | Rehabilitation of irrigation pond/tank | | 2 | 1 | | | 3 |
| | Rehabilitation of irrigation canal/water diversion structure | 7 | 4 | 9 | 9 | 2 | 31 |
| | Total | 16 | 36 | 43 | 28 | 6 | 129 |
| | | | | | | | |
| Rukum | Construction of irrigation canal | | | | | | |
| | Construction of water diversion structure | | | | | | 0 |
| | Establishment of sprinkler irrigation | | | | | | 0 |
| | Construction of water collection pond/tank/plastic pond | 1 | 3 | | 2 | 1 | 7 |
| | Supply of irrigation pipe/ water pump | 3 | 28 | 23 | 13 | 3 | 70 |
| | Rehabilitation of irrigation pond/tank | | 6 | 10 | | 1 | 17 |
| | Rehabilitation of irrigation canal/water diversion structure | 9 | 11 | 11 | 9 | 1 | 41 |
| | Total | 13 | 48 | 44 | 24 | 6 | 135 |
| | | | | | | | |
| Salyan | Construction of irrigation canal | | | | 2 | 1 | 3 |
| | Construction of water diversion structure | | | | | | 0 |
| | Establishment of sprinkler irrigation | | | | | | 0 |
| | Construction of water collection pond/tank/plastic pond | | | | 3 | 1 | 4 |
| | Supply of irrigation pipe/ water pump | | 12 | 18 | 6 | | 36 |
| | Rehabilitation of irrigation pond/tank | | | 5 | | | 5 |

| District | Nature of support in small irrigation scheme | # of small irrigation schemes completed | | | | | |
|---------------|--|---|-----------|-----------|-----------|-----------|------------|
| | | 065/66 | 066/67 | 067/68 | 068/69 | 069/70 | Total |
| | Rehabilitation of irrigation canal/water diversion structure | | 24 | 13 | 8 | 5 | 50 |
| | Total | | 36 | 36 | 19 | 7 | 98 |
| | | | | | | | |
| Sankhuwasabha | Construction of irrigation canal | | 5 | | | | 5 |
| | Construction of water diversion structure | 1 | | | | | 1 |
| | Establishment of sprinkler irrigation | | | | | | 0 |
| | Construction of water collection pond/tank/plastic pond | 1 | 6 | 7 | 11 | 2 | 27 |
| | Supply of irrigation pipe/ water pump | 7 | 14 | 16 | 12 | 4 | 53 |
| | Rehabilitation of irrigation pond/tank | | | 10 | | | 10 |
| | Rehabilitation of irrigation canal/water diversion structure | 8 | 23 | 11 | 8 | 2 | 52 |
| | Total | 17 | 48 | 44 | 31 | 8 | 148 |
| | | | | | | | |
| Solukhumbu | Construction of irrigation canal | | | | | | |
| | Construction of water diversion structure | | | | | | 0 |
| | Establishment of sprinkler irrigation | 4 | 8 | | | | 12 |
| | Construction of water collection pond/tank/plastic pond | 2 | | 5 | 7 | | 14 |
| | Supply of irrigation pipe/ water pump | 6 | 18 | 25 | 13 | 4 | 66 |
| | Rehabilitation of irrigation pond/tank | | | 2 | | | 2 |
| | Rehabilitation of irrigation canal/water diversion structure | 6 | 11 | 6 | | 3 | 26 |
| | Total | 18 | 37 | 38 | 20 | 7 | 120 |
| | | | | | | | |
| Taplejung | Construction of irrigation canal | | | | | | |
| | Construction of water diversion structure | | | | | | 0 |
| | Establishment of sprinkler irrigation | 5 | 12 | | | | 17 |
| | Construction of water collection pond/tank/plastic pond | 6 | | | | | 6 |
| | Supply of irrigation pipe/ water pump | 11 | 21 | 50 | 69 | 11 | 162 |
| | Rehabilitation of irrigation pond/tank | | 4 | 5 | | | 9 |
| | Rehabilitation of irrigation canal/water diversion structure | 9 | 17 | 10 | | | 36 |
| | Total | 31 | 54 | 65 | 69 | 11 | 230 |

| District | Nature of support in small irrigation scheme | # of small irrigation schemes completed | | | | | |
|--------------|--|---|-----------|-----------|-----------|----------|------------|
| | | 065/66 | 066/67 | 067/68 | 068/69 | 069/70 | Total |
| Terathum | Construction of irrigation canal | | | | | | |
| | Construction of water diversion structure | | | | | | 0 |
| | Establishment of sprinkler irrigation | 3 | | | | | 3 |
| | Construction of water collection pond/tank/plastic pond | | 5 | 10 | 4 | | 19 |
| | Supply of irrigation pipe/ water pump | 15 | 22 | 19 | 19 | 8 | 83 |
| | Rehabilitation of irrigation pond/tank | | | 1 | | | 1 |
| | Rehabilitation of irrigation canal/water diversion structure | 7 | 14 | 18 | 9 | 1 | 49 |
| | Total | 25 | 41 | 48 | 32 | 9 | 155 |
| | | | | | | | |
| Total | Construction of irrigation canal | 0 | 19 | 2 | 42 | 10 | 73 |
| | Construction of water diversion structure | 4 | 2 | 10 | 10 | 0 | 26 |
| | Establishment of sprinkler irrigation | 38 | 73 | 4 | 13 | 5 | 133 |
| | Construction of water collection pond/tank/plastic pond | 72 | 119 | 175 | 153 | 47 | 566 |
| | Supply of irrigation pipe/ water pump | 183 | 331 | 453 | 281 | 67 | 1315 |
| | Rehabilitation of irrigation pond/tank | 5 | 90 | 143 | 1 | 1 | 240 |
| | Rehabilitation of irrigation canal/water diversion structure | 143 | 383 | 344 | 219 | 49 | 1138 |
| | | 445 | 1017 | 1131 | 719 | 179 | 3491 |

Annex 3: Details of chemical fertilizer transported by district

| District | Chemical fertilizer distributed under input transport subsidy scheme, Mt. | | | | |
|---------------|---|----------------|----------------|----------------|-----------------|
| | 2008/09 | 2009/10 | 2010/11 | 2011/12 | Total |
| Achham | 40 | 265 | 188 | 254 | 747 |
| Bajhang | 20 | 124 | 81.5 | 97.4 | 322.9 |
| Bajura | 0 | 124 | 124 | 125 | 373 |
| Bhojpur | 0 | 307.2 | 200 | 379.05 | 886.25 |
| Dailekh | 61 | 104 | 124 | 124 | 413 |
| Darchula | 0 | 124 | 150 | 150 | 424 |
| Gorkha | 0 | 124 | 160 | 160 | 444 |
| Humla | 3.1 | 12.4 | 12.5 | 15 | 43 |
| Jajarkot | 0 | 31 | 85.6 | 123.3 | 239.9 |
| Khotang | 60 | 154 | 200 | 180 | 594 |
| Myagdi | 0 | 99.5 | 101.1 | 77.85 | 278.45 |
| Manang | 3 | 12 | 23.5 | 27.5 | 66 |
| Mugu | 0 | 16.5 | 20 | 20 | 56.5 |
| Mustang | 0 | 16 | 34.9 | 37 | 87.9 |
| Okhaldhunga | 54.88 | 380.49 | 455 | 446 | 1336.37 |
| Ramechhap | 62 | 158.65 | 120 | 86.6 | 427.25 |
| Rolpa | 62 | 124 | 169 | 175 | 530 |
| Rukum | 94 | 160 | 333.6 | 338.9 | 926.5 |
| Salyan | 0 | 260.5 | 175 | 280 | 715.5 |
| Sankhuwasabha | 0 | 195 | 175 | 164 | 534 |
| Solukhumbu | 0 | 95 | 142.32 | 130.14 | 367.46 |
| Taplejung | 25 | 180 | 186 | 230 | 621 |
| Terathum | 0 | 326 | 270 | 184 | 780 |
| Total | 484.98 | 3393.24 | 3531.02 | 3804.74 | 11213.98 |

Annex 4: Details on subsidized seed distributed by district

| District | 50% subsidized seed distributed under input transport subsidy scheme, Mt. | | | | | |
|---------------|---|--------------|---------------|---------------|--------------|---------------|
| | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 | Total |
| Achham | 0 | 8.4 | 9.5 | 10 | 10 | 37.9 |
| Bajhang | 4 | 8 | 9.5 | 16 | 10 | 47.5 |
| Bajura | 0 | 8 | 8 | 10.6 | 10 | 36.6 |
| Bhojpur | 0 | 8 | 9.5 | 14.17 | 10 | 41.67 |
| Daiilekh | 0 | 8 | 8 | 10 | 10 | 36 |
| Darchula | 0 | 11 | 8 | 10 | 10 | 39 |
| Gorkha | 0 | 8 | 8 | 13.5 | 10 | 39.5 |
| Humla | 1.22 | 6.1 | 8 | 8 | 8 | 31.32 |
| Jajarkot | 3.35 | 7.5 | 9 | 17.22 | 10 | 47.07 |
| Khotang | 2 | 10 | 8 | 13 | 10 | 43 |
| Myagdi | 0 | 7 | 8 | 10 | 10 | 35 |
| Manang | 0 | 2 | 2 | 2 | 1 | 7 |
| Mugu | 0 | 8 | 7 | 6 | 6 | 27 |
| Mustang | 0 | 0 | 2.93 | 2 | 4 | 8.93 |
| Okhaldhunga | 0 | 8 | 10.4 | 14.38 | 10 | 42.78 |
| Ramechhap | 0 | 8 | 8 | 11.5 | 10 | 37.5 |
| Rolpa | 0 | 14 | 16 | 10 | 10 | 50 |
| Rukum | 0 | 8 | 8 | 10 | 10 | 36 |
| Salyan | 0 | 8.3 | 8 | 11 | 13 | 40.3 |
| Sankhuwasabha | 4 | 6 | 10 | 8 | 8.5 | 36.5 |
| Solukhumbu | 2 | 8 | 8 | 10 | 10 | 38 |
| Taplejung | 4 | 8 | 8 | 9 | 10 | 39 |
| Terathum | 4 | 8 | 8 | 10 | 10 | 40 |
| Total | 24.57 | 176.3 | 189.83 | 236.37 | 210.5 | 837.57 |

Annex 5: Details of community seed storage center

| SN | District | Location of seed center (VDC) | Farmer group/cooperatives | Infrastructures developed & equipments provided in the seed centre |
|-----------|-----------------|--------------------------------------|---|--|
| 1 | Achham | Jalpadevi | Bagmedi Women Farmer Group, Jalpadevi-1 | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-2 and seed bag sealing machine/stitching machine-2. |
| 2 | Bajhang | Rithapata | Bhawani Women Seed Production Farmer Group, Ritha Pata | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2. |
| 3 | Bajura | Barhabise | Namuna Agriculture Savings and Credit Cooperative Ltd., Barhabise | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2. |
| 4 | Bhojpur | Siddheswor | Seed Production Agriculture Cooperative, Siddheswar-5 | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-2 and seed bag sealing machine/stitching machine-2. |

| SN | District | Location of seed center (VDC) | Farmer group/cooperatives | Infrastructures developed & equipments provided in the seed centre |
|-----------|-----------------|--------------------------------------|--|--|
| 5 | | Chyangre | Seed Production Agriculture Farmer Group, Pyakla, Chyangre-3 | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-2 and seed bag sealing machine/stitching machine-2. |
| 6 | Dailekh | Dullu | Saraswati Agriculture Multipurpose Cooperative, Dullu | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-3 Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-2 and seed bag sealing machine/stitching machine-2. |
| 7 | Darchula | Shankarpur | Lattenath Seed Production Farmer Group, Shankarpur 1 | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-4 Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2. |
| 8 | | Gokuleswor | Matribhumi Farmer Cooperative, Gokuleshwor-2 | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2. |
| 9 | Gorkha | Palungtar* | Bhrikuti Seed Production Farmer Group, Palungtar -7 | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |

| SN | District | Location of seed center (VDC) | Farmer group/cooperatives | Infrastructures developed & equipments provided in the seed centre |
|-----------|-----------------|--------------------------------------|---|---|
| | | | | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-2 and seed bag sealing machine/stitching machine-2. |
| 10 | Humla | Saya | Laligurans Multipurpose Farmer Group, Saya-1 | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| 11 | | Kharpunath | Kailash Seed Production Farmer Group, Kharpunath-5 | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| 12 | Jajarkot | Khalanga/ Pokhara gaun | Kalika Seed Production Cooperative, Khalanga - 5, Pokhara | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| | | Karkigaun | | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-2 and seed bag sealing machine/stitching machine-2. |
| 13 | | | Jana Jagriti Farmer Group, Karkigaun, Jogra | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| 14 | Khotang | Aiselukharka | Halesi Maize Seed Production Farmer Group, Aiselukharka | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-1, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2. |
| | | | | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |

| SN | District | Location of seed center (VDC) | Farmer group/cooperatives | Infrastructures developed & equipments provided in the seed centre |
|-----------|-----------------|--------------------------------------|---|--|
| | 15 | | | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-2 and seed bag sealing machine/stitching machine-2. |
| 15 | | Nunthala | Adharshila Seed Production Farmer Group, Nunthala -1, Mahure | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| 16 | | Nerpa | Nirauli Farmer Cooperative, Nerpa-6 | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-2 and seed bag sealing machine/stitching machine-2. |
| 17 | Mugu | Karkibada | Shri Dalit Mahila Krishi Bahu Uddesiya Sahakari Sanstha Ltd., Karkibada | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| 18 | Myagdi | Ratnechaur | Ratnechaur Commerical Agriculutre Cooperative, Ratnechaur | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-7 Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2. |

| SN | District | Location of seed center (VDC) | Farmer group/cooperatives | Infrastructures developed & equipments provided in the seed centre |
|-----------|-----------------|--|--|---|
| 19 | Babiyachaur | Babiyachaur | Malika Commerical Agriculutre Cooperative, Babiyachaur | <p>Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1</p> <p>Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2.</p> |
| 20 | | Takam | Annapurna Commerical Agriculutre Cooperative, Takam-4 | <p>Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-7</p> <p>Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-2 and seed bag sealing machine/stitching machine-2.</p> |
| 21 | Okhaldhunga | Kuntadevi | Milanchok Women Farmer Groupu, KuntaDev-4i | <p>Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1</p> <p>Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2.</p> |
| 22 | | Baruershwor | Samudaik Seed Bank Committee, Barauneswar-1, Rampur | <p>Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1</p> <p>Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2.</p> |
| 23 | | Rumjatar | Majh Chandeswori Farmer Group, Rumjatar | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |

| SN | District | Location of seed center (VDC) | Farmer group/cooperatives | Infrastructures developed & equipments provided in the seed centre |
|-----------|-----------------|--------------------------------------|---|---|
| | | | | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2. |
| 24 | Ramechhap | Khimti* | Ushakiran Women Farmer Cooperative, Khimti | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| | | | | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2. |
| 25 | | Okhreni | Krishak Jagaran Agriculture Cooperative, Okhreni-9 | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| | | | | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2. |
| 26 | Rolpa | Liwang | Sirjanshil Farmer Cooperavie., Liwang-6, | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| | | | | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-2 and seed bag sealing machine/stitching machine-2. |
| 27 | | Kotgaun | Lungrimandi Farmer Cooperative., Kotgaun-1 Mandichaur | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |

| SN | District | Location of seed center (VDC) | Farmer group/cooperatives | Infrastructures developed & equipments provided in the seed centre |
|-----------|-----------------|---|---|---|
| | 28 | Mirul | Framin Vikas Cooperative., Mirul | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-2 and seed bag sealing machine/stitching machine-2. |
| | | | | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| | | | | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2. |
| 29 | Gairigaun | Thurpa Small Farmer Cooperative, Gairigaun | Thurpa Small Farmer Cooperative, Gairigaun | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| | | | | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-2 and seed bag sealing machine/stitching machine-2. |
| 30 | Rukum | Sankh | Saptarangi Maize Seed Production Cooperative, Sankh-3, Thulaghar | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| | 31 | Chainpur | Jalpadevi Farmer Cooperative, Chainpur-9 | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-2 and seed bag sealing machine/stitching machine-2. |
| | | | | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |

| SN | District | Location of seed center (VDC) | Farmer group/cooperatives | Infrastructures developed & equipments provided in the seed centre |
|-----------|-----------------|--|--|---|
| | | | | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-1, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2. |
| 32 | Salyan | Rampur | Janakalyan Cereal Production Farmer Group, Rampur-3, Simalkuna Jhigane | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| | | | | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2. |
| 33 | | Syanikhali | Janajagrit Integrated Farmer Group, Syanikhali, Resham Jugula | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| | | | | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2. |
| 34 | Solukhumbu | Tingla | Laligurans Seed Production Farmer Group, Tingla | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| | | | | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2. |
| 35 | Taplejung | Thechambu | Sakriya Farmer Group, Thechambu | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |

| SN | District | Location of seed center (VDC) | Farmer group/cooperatives | Infrastructures developed & equipments provided in the seed centre |
|-----------|-----------------|--------------------------------------|---|---|
| | | | | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-1, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2. |
| 36 | Terahthum | Hamarjung | JalkanyaLivestock Cooperative, Hamarjung-9 (Aitabare Dharo) | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| | | | | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-2 and seed bag sealing machine/stitching machine-2. |
| 37 | Terahthum | Sungnam | Sri Devithan Farmer Multipurpose Cooperative, Sungnam-2, Devithan | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| | | | | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-2 and seed bag sealing machine/stitching machine-2. |
| 38 | Terahthum | Sankranti Bazar | Hariyali Multipurpose Cooperative, Sakranti Bazar | Infrastructure: Office-cum seed processing house-1, seed storage house-1, threshing floor-1, toilet-1 |
| | | | | Equipments/machineries: Seed cleaning cum grading machine-1, seed treater-1, balance-2, trolley for seed bag transportation-6, seed auger-2, pH machine-2, digital moisture meter-1 and seed bag sealing machine/stitching machine-2. |

* Damaged by the devastating earthquake that hit Nepal on 25th of April, 2015

Annex 6: Cost contribution of community seed storage centre

| SN | District | Location of seed center (VDC) | Cost, NPR* | | | |
|--------------|--------------|----------------------------------|--------------------|----------------------|------------------------|--|
| | | | Total cost | Project contribution | Community contribution | |
| 1 | Achham | Jalpadevi | 2,421,330 | 1,927,610 | 493,720 | |
| 2 | Bajhang | Rithapata | 2,971,593 | 2,344,954 | 626,639 | |
| 3 | Bajura | Barhabise | 2,881,941 | 2,305,552 | 576,389 | |
| 4 | Bhojpur | Siddheswor | 2,782,164 | 2,192,767 | 589,397 | |
| 5 | | Chyangre | 2,635,442 | 2,077,795 | 557,647 | |
| 6 | Dailekh | Dullu | 2,668,143 | 2,121,642 | 546,501 | |
| 7 | Darchula | Shankarpur | 2,675,863 | 2,104,991 | 570,872 | |
| 8 | | Gokuleswor | 3,179,995 | 2,909,567 | 270,428 | |
| 9 | Gorkha | Palungtar* | 3,000,640 | 2,307,005 | 693,635 | |
| 10 | Humla | Saya | 4,094,296 | 3,273,268 | 821,028 | |
| 11 | | Kharpunath | 4,214,750 | 3,356,209 | 858,541 | |
| 12 | Jajarkot | Khalanga/ Pokhara gaun | 2,331,129 | 1,778,440 | 552,689 | |
| 13 | | Karkigaun | 2,734,817 | 2,086,255 | 648,562 | |
| 14 | Khotang | Aiselukharka | 2,918,265 | 2,292,014 | 626,251 | |
| 15 | | Nunthala | 2,948,770 | 2,265,068 | 683,702 | |
| 16 | | Nerpa | 3,118,250 | 2,446,932 | 671,318 | |
| 17 | Mugu | Karkibada | 3,826,611 | 3,061,289 | 765,322 | |
| 18 | Myagdi | Ratnechaur | 2,424,203 | 1,883,556 | 540,647 | |
| 19 | | Babiyachaur | 2,440,044 | 1,887,256 | 552,788 | |
| 20 | | Takam | 2,632,949 | 2,017,764 | 615,185 | |
| 21 | Okhaldhunga | Kuntadevi | 2,797,264 | 2,180,906 | 616,358 | |
| 22 | | Baruershwor | 2,829,460 | 2,199,012 | 630,448 | |
| 23 | | Rumjatar | 2,793,666 | 2,138,501 | 655,165 | |
| 24 | Ramechhap | Khimti* | 2,217,962 | 1,773,136 | 444,826 | |
| 25 | | Okhreni | 2,282,442 | 1,799,194 | 483,248 | |
| 26 | Rolpa | Liwang | 2,587,350 | 1,966,423 | 620,927 | |
| 27 | | Kotgaun | 3,551,245 | 2,777,760 | 773,485 | |
| 28 | | Mirul | 2,660,519 | 2,059,155 | 601,364 | |
| 29 | | Gairigaun | 2,595,761 | 1,965,778 | 629,983 | |
| 30 | Rukum | Sankh | 2,605,841 | 2,014,639 | 591,202 | |
| 31 | Sakhuwasabha | Chainpur | 2,669,421 | 2,124,643 | 544,778 | |
| 32 | Salyan | Rampur | 2,313,196 | 1,804,184 | 509,012 | |
| 33 | | Syanikhal | 2,314,918 | 1,805,241 | 509,677 | |
| 34 | Solukhumbu | Tingla | 3,093,661 | 2,420,645 | 673,016 | |
| 35 | Taplejung | Thechambu | 3,050,098 | 2,371,894 | 678,204 | |
| 36 | Terahthum | Hamarjung | 2,591,289 | 2,020,779 | 570,510 | |
| 37 | | Sungnam | 2,579,762 | 2,041,293 | 538,469 | |
| 38 | | Sankranti Bazar | 2,689,278 | 2,114,840 | 574,438 | |
| Total | | | 107,124,328 | 84,217,957 | 22,906,371 | |
| % | | | | 78.62 | 21.38 | |

* This cost only included the cost of construction of the center but not the equipment installed in the center

Annex 7: Cost contribution of community seed processing & storage centre

| S.N. | Seed processing & storage centre | Name of the Farmer group/cooperative that have managed the Centre | Cost, NPR* | | |
|--------------|---|--|-------------------------|---------------------------|----------------------|
| | | | Project contribution | Community contribution | Total |
| 1 | Community Seed Processing &Storage Centre, Maharanijhoda-5, Jhapa | Small Farmer Agriculture Cooperative, Maharanijhoda, Jhapa | 15,547,968.21 | 3,886,992.05 | 19,434,960.26 |
| 2 | Community Seed Processing &Storage Centre, Dibyapuri-5, Nawalparasi | Lalima Agriculture Cooperative, Dibyapuri, Nawalparasi | 13,427,420.85 | 3,356,855.21 | 16,784,276.06 |
| 3 | Community Seed Processing &Storage Centre, Motipur-4, Rupandehi | Simrik Agriculture Cooperative, Motipur, Rupandehi | 17,449,103.30 | 4,362,275.82 | 21,811,379.12 |
| 4 | Community Seed Processing &Storage Centre, Rajapur-2, Bardiya | Ganeshbaba Progressive Farmer Group, Rajapur, Bardiya | 16,793,283.02 | 4,198,320.75 | 20,991,603.77 |
| Total | | | 63,217,775.38 | 15,804,443.83 | 79,022,219.21 |
| % | | | 80.00 | 20.00 | 100.00 |

* This cost only included the cost of construction of the center but not the equipment installed in the center

Annex 8: Details of infrastructure developed and equipments supplied in the community seed processing & storage centre

| S.N. | Seed processing & storage centre | Physical infrastructure developed | Equipments/machineries supplied |
|------|---|---|--|
| 1 | Community Seed Processing &Storage Centre, Maharanijhoda-5, Jhapa | Drying-cum transitional shade [Drying floor (10 m x 20 m), Transitional shade (10 m x 12 m)], Seed processing house, Seed storage house (capacity 100 mt), Office building, Boundary wall | Seed Cleaner cum Grader-1, Indented Cylindrical Separator-1, Vertical Bucket Elevator to feed Seed to Seed Gravity Separator-1, Seed Gravity Separator-1, Vertical Bucket Elevator to feed Seeds to Seed Treater-1, Seed Treater-1, Vertical Bucket Elevator to feed Seeds to Feed Hopper-1, Feed Hopper for Manual Bag Clamping Arrangement-1, Heavy duty Bag Closer with Belt Conveyor-1, Electric Control Panel (Mimic type) for Each Unit of In-Line Processing Plant-1, Required Number of Seed Diverting Chutes and Pit Cover for Each Unit of In-Line Processing Plant-1, Multi-crop Threshe-1r, Seed Auger-7, Seed Moisture Meter-3, Platform Balance 100Kg-3, Trolley for Seed Bag-15, Pallet (5 ft x 5 ft) |
| 2 | Community Seed Processing &Storage Centre, Dibyapuri-5, Nawalparasi | Drying-cum transitional shade [Drying floor (10 m x 20 m), Transitional shade (10 m x 12 m)], Seed processing house, Seed storage house (capacity 100 mt), Office building, Boundary wall | Seed Cleaner cum Grader-1, Indented Cylindrical Separator-1, Vertical Bucket Elevator to feed Seed to Seed Gravity Separator-1, Seed Gravity Separator-1, Vertical Bucket Elevator to feed Seeds to Seed Treater-1, Seed Treater-1, Vertical Bucket Elevator to feed Seeds to Feed Hopper-1, Feed Hopper for Manual Bag Clamping Arrangement-1, Heavy duty Bag Closer with Belt Conveyor-1, Electric Control Panel (Mimic type) for Each Unit of In-Line Processing Plant-1, Required Number of Seed Diverting Chutes and Pit Cover for Each Unit of In-Line Processing Plant-1, Multi-crop Threshe-1r, Seed Auger-7, Seed Moisture Meter-4, Platform Balance 100Kg-4, Trolley for Seed Bag-15, Pallet (5 ft x 5 ft) |
| 3 | Community Seed Processing &Storage Centre, Motipur-4, Rupandehi | Drying-cum transitional shade [Drying floor (10 m x 20 m), Transitional shade (10 m x 12 m)], Seed processing house, Seed storage house (capacity 100 mt), Office building, Boundary wall | Seed Cleaner cum Grader-1, Indented Cylindrical Separator-1, Vertical Bucket Elevator to feed Seed to Seed Gravity Separator-1, Seed Gravity Separator-1, Vertical Bucket Elevator to feed Seeds to Seed Treater-1, Seed Treater-1, Vertical Bucket Elevator to feed Seeds to Feed Hopper-1, Feed Hopper for Manual Bag Clamping Arrangement-1, Heavy duty Bag Closer with Belt Conveyor-1, Electric Control Panel (Mimic type) for Each Unit of In-Line Processing Plant-1, Required Number of Seed Diverting Chutes and Pit Cover for Each Unit of In-Line Processing Plant-1, Multi-crop Threshe-1r, Seed Auger-8, Seed Moisture Meter-4, Platform Balance 100Kg-4, Trolley for Seed Bag-15, Pallet (5 ft x 5 ft) |

| S.N. | Seed processing & storage centre | Physical infrastructure developed | Equipments/machineries supplied |
|------|---|---|--|
| 4 | Community Seed Processing &Storage Centre, Rajapur-2, Bardiya | Drying-cum transitional shade [Drying floor (10 m x 20 m), Transitional shade (10 m x 12 m)], Seed processing house, Seed storage house (capacity 100 mt), Office building, Boundary wall | Seed Cleaner cum Grader-1, Indented Cylindrical Separator-1, Vertical Bucket Elevator to feed Seed to Seed Gravity Separator-1, Seed Gravity Separator-1, Vertical Bucket Elevator to feed Seeds to Seed Treater-1, Seed Treater-1, Vertical Bucket Elevator to feed Seeds to Feed Hopper-1, Feed Hopper for Manual Bag Clamping Arrangement-1, Heavy duty Bag Closer with Belt Conveyor-1, Electric Control Panel (Mimic type) for Each Unit of In-Line Processing Plant-1, Required Number of Seed Diverting Chutes and Pit Cover for Each Unit of In-Line Processing Plant-1, Multi-crop Threshe-1r, Seed Auger-8, Seed Moisture Meter-4, Platform Balance 100Kg-4, Trolley for Seed Bag-15, Pallet (5 ft x 5 ft) |

Annex 9: Details of seed produced by the distributed source seed under input transport subsidy scheme

| District | Seed production, Mt | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---------------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| | 2008/09 | | | | | 2009/10 | | | | | 20010/11 | | | | | 2011/12 | | | | | 2012/13 | | | | | Cumulative | | | | |
| | Rice | Wheat | Maize | Potato | Total | Rice | Wheat | Maize | Potato | Total | Rice | Wheat | Maize | Potato | Total | Rice | Wheat | Maize | Potato | Total | Rice | Wheat | Maize | Potato | Total | Rice | Wheat | Maize | Potato | Total |
| Achham | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 5.0 | 6.0 | 5.5 | 20.5 | 3.5 | 4.0 | 9.0 | 5.5 | 22.0 | 5.5 | 5.0 | 11.0 | 5.5 | 27.0 | 4.0 | 5.0 | 8.0 | 5.5 | 22.5 | 17.0 | 19.0 | 34.0 | 22.0 | 92.0 |
| Bajhang | 2.0 | 2.0 | 4.0 | 0.0 | 8.0 | 4.0 | 5.0 | 6.0 | 4.0 | 19.0 | 4.0 | 4.0 | 8.0 | 3.0 | 19.0 | 4.0 | 8.0 | 15.0 | 10.0 | 37.0 | 5.0 | 5.0 | 4.0 | 5.0 | 19.0 | 19.0 | 24.0 | 37.0 | 22.0 | 102.0 |
| Bajura | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 4.0 | 8.0 | 5.0 | 19.0 | 4.0 | 5.0 | 6.0 | 5.0 | 20.0 | 2.0 | 5.0 | 11.0 | 9.0 | 27.0 | 5.0 | 5.0 | 4.0 | 4.5 | 18.5 | 13.0 | 19.0 | 29.0 | 23.5 | 84.5 |
| Bhojpur | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 6.0 | 4.0 | 15.0 | 5.5 | 5.0 | 8.0 | 4.0 | 22.5 | 5.5 | 5.0 | 11.0 | 9.0 | 30.5 | 5.0 | 5.0 | 4.0 | 4.5 | 18.5 | 16.0 | 20.0 | 29.0 | 21.5 | 86.5 |
| Daiilekh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 6.0 | 5.0 | 16.0 | 5.5 | 5.0 | 6.0 | 5.0 | 21.5 | 2.0 | 5.0 | 11.0 | 4.0 | 22.0 | 5.0 | 5.0 | 4.0 | 4.0 | 18.0 | 12.5 | 20.0 | 27.0 | 18.0 | 77.5 |
| Darchula | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 5.0 | 9.0 | 5.5 | 23.5 | 5.0 | 5.0 | 6.0 | 5.5 | 21.5 | 2.0 | 4.0 | 11.0 | 5.5 | 22.5 | 4.0 | 5.0 | 8.0 | 6.0 | 23.0 | 15.0 | 19.0 | 34.0 | 22.5 | 90.5 |
| Gorkha | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 6.0 | 6.0 | 17.0 | 5.5 | 5.0 | 6.0 | 6.0 | 22.5 | 5.5 | 5.0 | 11.0 | 16.0 | 37.5 | 5.0 | 5.0 | 4.0 | 6.0 | 20.0 | 16.0 | 20.0 | 27.0 | 34.0 | 97.0 |
| Humla | 0.0 | 0.0 | 0.0 | 7.0 | 7.0 | 0.0 | 4.0 | 4.0 | 10.0 | 18.0 | 3.5 | 5.0 | 6.0 | 6.0 | 20.5 | 3.5 | 5.0 | 4.0 | 12.0 | 24.5 | 3.5 | 5.0 | 4.0 | 12.0 | 24.5 | 10.5 | 19.0 | 18.0 | 47.0 | 94.5 |
| Jajarkot | 1.0 | 2.0 | 4.0 | 0.0 | 7.0 | 2.0 | 4.0 | 8.0 | 5.0 | 19.0 | 4.0 | 5.0 | 8.0 | 5.0 | 22.0 | 2.0 | 7.0 | 20.0 | 10.0 | 39.0 | 5.0 | 5.0 | 4.0 | 5.0 | 19.0 | 14.0 | 23.0 | 44.0 | 25.0 | 106.0 |
| Khotang | 0.0 | 1.0 | 2.0 | 2.5 | 5.5 | 5.0 | 5.0 | 6.0 | 15.0 | 31.0 | 5.5 | 5.0 | 6.0 | 10.0 | 26.5 | 5.5 | 5.0 | 11.0 | 15.0 | 36.5 | 5.0 | 5.0 | 8.0 | 0.0 | 18.0 | 21.0 | 21.0 | 33.0 | 42.5 | 117.5 |
| Myagdi | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 6.0 | 6.0 | 5.5 | 20.5 | 5.5 | 5.0 | 5.0 | 11.0 | 26.5 | 5.5 | 5.0 | 5.0 | 5.5 | 21.0 | 6.0 | 6.0 | 5.0 | 5.5 | 22.5 | 20.0 | 22.0 | 21.0 | 27.5 | 90.5 |
| Manang | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.0 | 12.0 | 0.0 | 0.0 | 0.0 | 12.0 | 12.0 | 0.0 | 2.0 | 0.0 | 6.0 | 8.0 | 0.0 | 0.0 | 0.0 | 6.0 | 6.0 | 0.0 | 2.0 | 0.0 | 36.0 | 38.0 |
| Mugu | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 5.0 | 5.0 | 16.0 | 28.0 | 0.0 | 5.0 | 6.0 | 10.0 | 21.0 | 0.0 | 4.0 | 4.0 | 12.0 | 20.0 | 0.0 | 4.0 | 4.0 | 13.0 | 21.0 | 2.0 | 18.0 | 19.0 | 51.0 | 90.0 |
| Mustang | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 8.0 | 10.0 | 0.0 | 0.0 | 0.0 | 12.0 | 12.0 | 0.0 | 5.0 | 0.0 | 10.0 | 15.0 | 0.0 | 7.0 | 0.0 | 30.0 | 37.0 | |
| Okhaldhunga | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 6.0 | 4.0 | 15.0 | 5.5 | 5.0 | 10.0 | 5.0 | 25.5 | 5.5 | 8.0 | 11.0 | 11.0 | 35.5 | 5.0 | 5.0 | 4.0 | 3.0 | 17.0 | 16.0 | 23.0 | 31.0 | 23.0 | 93.0 |
| Ramechhap | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 6.0 | 5.0 | 16.0 | 5.5 | 5.0 | 6.0 | 5.0 | 21.5 | 5.5 | 5.0 | 11.0 | 10.0 | 31.5 | 5.0 | 5.0 | 4.0 | 5.0 | 19.0 | 16.0 | 20.0 | 27.0 | 25.0 | 88.0 |
| Rolpa | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 5.0 | 16.0 | 11.0 | 36.0 | 4.0 | 5.0 | 20.0 | 10.0 | 39.0 | 2.0 | 4.0 | 13.0 | 6.0 | 25.0 | 5.0 | 5.0 | 4.0 | 5.5 | 19.5 | 15.0 | 19.0 | 53.0 | 32.5 | 119.5 |
| Rukum | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 6.0 | 5.0 | 16.0 | 5.5 | 5.0 | 6.0 | 5.0 | 21.5 | 5.5 | 5.0 | 8.0 | 10.0 | 28.5 | 5.0 | 5.0 | 4.0 | 5.0 | 19.0 | 16.0 | 20.0 | 24.0 | 25.0 | 85.0 |
| Salyan | 0.8 | 2.0 | 2.5 | 4.0 | 9.3 | 5.0 | 5.0 | 6.0 | 4.0 | 20.0 | 5.5 | 5.0 | 6.0 | 4.0 | 20.5 | 5.5 | 5.0 | 11.0 | 9.0 | 30.5 | 6.0 | 8.0 | 8.0 | 9.0 | 31.0 | 22.8 | 25.0 | 33.5 | 30.0 | 111.3 |
| Sankhuwasabha | 2.0 | 2.0 | 2.0 | 5.0 | 11.0 | 0.0 | 5.0 | 6.0 | 6.0 | 17.0 | 4.0 | 5.0 | 6.0 | 12.0 | 27.0 | 4.0 | 5.0 | 5.0 | 10.0 | 24.0 | 1.0 | 5.0 | 8.0 | 6.0 | 20.0 | 11.0 | 22.0 | 27.0 | 39.0 | 99.0 |
| Solukhumbu | 0.0 | 2.0 | 2.0 | 0.0 | 4.0 | 2.0 | 6.0 | 6.0 | 6.0 | 20.0 | 5.5 | 5.0 | 6.0 | 6.0 | 22.5 | 5.5 | 5.0 | 11.0 | 12.0 | 33.5 | 5.0 | 5.0 | 4.0 | 6.0 | 20.0 | 18.0 | 23.0 | 29.0 | 30.0 | 100.0 |
| Taplejung | 2.0 | 2.0 | 2.0 | 5.0 | 11.0 | 4.0 | 4.0 | 4.0 | 10.0 | 22.0 | 4.0 | 3.0 | 7.0 | 5.0 | 19.0 | 4.0 | 4.0 | 8.0 | 5.0 | 21.0 | 4.0 | 4.0 | 10.0 | 5.0 | 23.0 | 18.0 | 17.0 | 31.0 | 30.0 | 96.0 |
| Terathum | 2.0 | 2.0 | 2.0 | 5.0 | 11.0 | 4.0 | 4.0 | 4.0 | 8.0 | 20.0 | 4.0 | 4.0 | 4.0 | 8.0 | 20.0 | 4.0 | 6.0 | 6.0 | 8.0 | 24.0 | 6.0 | 6.0 | 6.0 | 5.0 | 23.0 | 20.0 | 22.0 | 22.0 | 34.0 | 98.0 |
| Total | 9.8 | 15.0 | 20.5 | 28.5 | 73.8 | 45.0 | 102.0 | 136.0 | 157.5 | 440.5 | 95.0 | 102.0 | 151.0 | 156.0 | 504.0 | 84.5 | 112.0 | 209.0 | 212.5 | 618.0 | 94.5 | 113.0 | 113.0 | 136.5 | 457.0 | 328.8 | 444.0 | 629.5 | 691.0 | 2093.3 |

Annex 10: Year wise production of breeder and foundation seeds through NARC

| Crops | Breeder seed (Mt) | | Foundation seed (Mt) | | Total source seed (Mt) | |
|---------------------------|-------------------|--------------|----------------------|---------------|------------------------|---------------|
| | Target | Progress | Target | Progress | Target | Progress |
| Year I (2010/11) | | | | | | |
| Rice | 15.6 | 15.46 | 367.2 | 341.3 | 282.8 | 356.8 |
| Wheat | 30 | 27 | 161.5 | 171.5 | 191.5 | 199.5 |
| Maize | 14.5 | 3.99 | 101.5 | 120.5 | 116 | 124.5 |
| Lentil | 1.7 | 1.05 | 9.3 | 8.8 | 11 | 9.3 |
| Millet | 0.2 | 0.2 | 1.8 | 2.3 | 2 | 2.2 |
| Total | 62 | 47.7 | 641.3 | 644.4 | 603.3 | 692.3 |
| Year II (2011/12) | | | | | | |
| Rice | 34.4 | 27.8 | 532.8 | 532.4 | 567.2 | 560.2 |
| Wheat | 32 | 45.3 | 239.9 | 276.7 | 271.9 | 322 |
| Maize | 24.1 | 8.1 | 258.5 | 202.7 | 282.6 | 210.8 |
| Lentil | 3.3 | 0.4 | 18.9 | 13.9 | 22.2 | 14.3 |
| Millet | 0.4 | 0.2 | 6.2 | 4 | 6.4 | 4.2 |
| Total | 94.2 | 81.8 | 1056.3 | 1029.7 | 1150.3 | 1111.5 |
| Year III (2012/13) | | | | | | |
| Rice | 37.5 | 29.9 | 578.8 | 551.7 | 616.3 | 581.6 |
| Wheat | 36.5 | 38 | 297.8 | 403.2 | 334.3 | 441.2 |
| Maize | 17 | 14 | 261 | 177.2 | 278 | 191.2 |
| Lentil | 2.5 | 1.9 | 24.3 | 17.8 | 26.8 | 19.7 |
| Millet | 0.5 | 0.5 | 5.5 | 4.8 | 6 | 5.3 |
| Total | 94 | 84.3 | 1167.4 | 1154.7 | 1261.4 | 1239 |
| Grand total | 250.2 | 213.8 | 2865 | 2828.8 | 3015 | 3042.8 |