

International Maize and Wheat Improvement Center

Hill Maize Research Project Phase IV (HMRP IV)

“Improved Seed for the Rural Poor in the Hills of Nepal:
Fostering Adoption of Improved Maize Technologies to Promote
Food Security, Nutrition, and Economic Growth”

Yearly Plan of Operation

2014

(2070/71 to 2071/72 BS)

Submitted to:

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And

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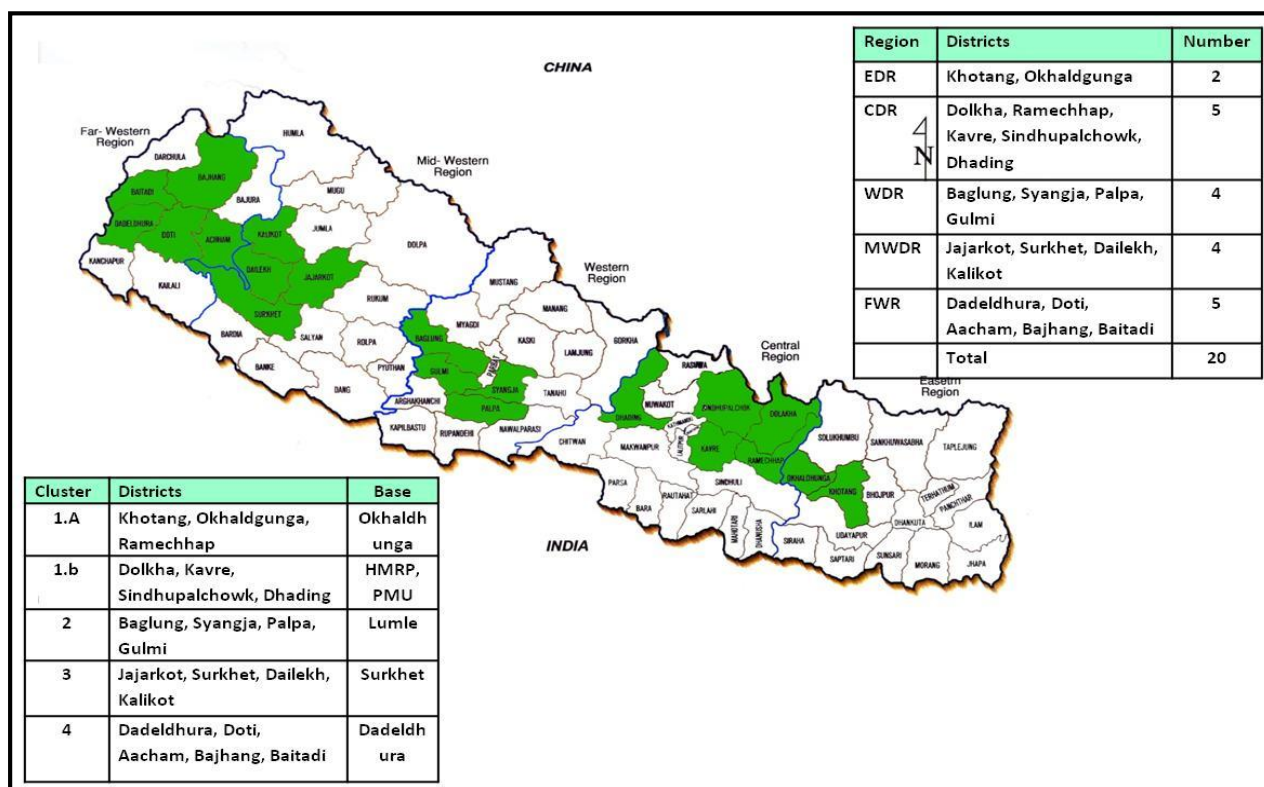
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HMRP-IV Project Districts and Clusters



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ABBREVIATIONS

ABTRACO	Agro-Business Trade Promotion Multipurpose Cooperative Ltd
ARS	Agriculture Research Station
AFEC	Agriculture, Forestry, Environment Committee
BCTN	Bahun, Chhetri, Thakuri and Newar
CAERD	Centre for Agriculture and Environmental Research and Development
CBO	Community-Based Organization
CBSP	Community-Based Seed Production
CDD	Crop Development Directorate
Ce-CRED	Centre for Community Resource and Environment Development
CFFT	Coordinated Farmers' Field Trial
CIMMYT	International Maize and Wheat Improvement Centre
CPDD	Communication Publication and Documentation Division
CSP	Community Seed Promoters
DADO	District Agriculture Development Office
DAGs	Disadvantaged Groups
DISSPRO	District Seed Self-sufficiency Programme
DIWO	Development Initiative Welfare Organization
DoA	Department of Agriculture
DOS	Downtrodden Oppressed Society
FAT/IRD	Farmer Acceptance Test/Informal Research and Development
FFA	Fund Flow Analysis
FORWARD	Forum for Rural Welfare and Agricultural Reform for Development
GESI	Gender, Equity and Social Inclusion
GLS	Gray Leaf Spot
GoN	Government of Nepal
HHs	Households
HMRP	Hill Maize Research Project
I/NGO	International Non-Governmental Organization
IPNS	Integrated Plant Nutrient System

KDF	Khotang Development Forum
LIBIRD	Local Initiatives for Biodiversity, Research and Development
MoAD	Ministry of Agriculture Development
NARC	Nepal Agricultural Research Council
NMRP	National Maize Research Programme
NSB	National Seed Board
OMS	Outcome Monitoring Summary
OPV	Open Pollinated Variety
PSCs	Private Seed Companies
P-CBSP	Primary CBSP Groups
PVS	Participatory Varietal Selection
QPM	Quality Protein Maize
RARS	Regional Agriculture Research Station
RAS	Rapti Agriculture-graduate Society
RSTL	Regional Seed Testing Laboratory
RSCs	Regional Seed Centers
SAHAS	Groups of Helping Hands
S-CBSP	Secondary CBSP Groups
SDC	Swiss Agency for Development and Cooperation
SEAN	Seed Entrepreneurs' Association of Nepal
SSSC	SEAN Seed Service Center
SRF	Seed Revolving Fund
SGP-C	Small Grants Project-Committee
SQCC	Seed Quality Control Centre
SSMP	Sustainable Soil Management Project
TC/SC	Technical Committee/Steering Committee
TTRI	Technical Training and Research Institute
USAID	United States Agency for International Development
VDC	Village Development Committee
VSP	Vegetable Seed Project
YPO	Yearly Plan of Operation

1. EXECUTIVE SUMMARY

The Hill Maize Research Project (HMRP), initially funded by the Swiss Agency for Development and Cooperation (SDC), began in 1999 with the objective to increase the food security of farm families in the hills by raising the production, productivity and sustainability of maize-based cropping systems. The current phase (HMRP IV, Aug 2010 to July 2014) is jointly funded by the SDC and the United States Agency for International Development (USAID). In the last three phases, HMRP-CIMMYT, in collaboration with NARC/NMRP, DoA/CDD/RSTLs, NSB/SQCC, NGOs and CBOs, contributed to improve food security and livelihoods of the rural hill farmers through the development and

release of new and high yielding maize varieties, seed multiplication of farmers-selected varieties, and through the validation and dissemination of key resource conserving technologies for maize based cropping systems.

The goal and focus of the HMRP IV is to improve food security and income of poor and disadvantaged groups in the hill of Nepal by up-scaling and consolidating past project achievements, maximizing impacts through selective intensification of key project activities, and building the collective actions, infrastructures and networks of DoA, NARC, SQCC, NGOS, CBOs and Private Seed Companies and other stakeholders. The two outcomes of HMRP IV are- (i) Hill maize farmers, especially from poor and disadvantaged groups, adopt new and profitable maize varieties and improved technologies and (ii) National Seed Board (NSB), NARC and DoA enforce quality control through both public and private institutions.

Until 2014, seven improved maize varieties developed through NMRP-HMRP have been released by the NSB, release proposal of three new maize varieties- Pool 17 E (Karnali 2), Arun 4 (Arun 4) and Arun 1 EV (Arun 3) has been submitted to the NSB and the submission of a varietal release proposal of S99TLYQ-B (Yellow QPM) will be done in 2014. These released and proposed varieties have improved traits for drought tolerance, GLS, TLB tolerance, non- lodging, and higher grain yield compared to local and released varieties for the hills of Nepal. Other promising lines are being tested through on- station and on- farm PVS, CVT, CFFT and other trials. Through CBSP, about 1,216 t marketable surplus of improved maize has been produced in 2013. Similarly, about 87 tons of breeder and foundation seeds were produced by NARC stations and authorized CBSP groups and cooperatives. Conservation Agriculture technologies (Zero tillage, crop rotation and residues retention on surface) were validated in 7 NARC stations and on-farm. Similarly crop management technologies such as FYM improvement, maize-vegetable and maize-paddy mixed/intercropping, double plant per hill technology, detasselling and seed priming technologies were disseminated through demo and on-farm participatory trials. HMRP IV reached to 56,389 households in the 20 targeted hill districts of which nearly 71 % were disadvantaged farmers (DAGs). The HMRP IV continued and increased collaboration with the NSB/SQCC and other stakeholders to amend the seed policies in the country. HMRP actively participated and contributed to develop the National Seed Vision (2013-2025) document which has been approved by GoN as a main policy document for seed sector development in the country. HMRP coordinated and supported CDD to develop new implementation guidelines to integrate and harmonize Community Based Seed Production (CBSP/HMRP) and District Seed Self-Sufficiency Program (DISSPRO/GoN). Likewise, HMRP is providing technical support in the

formulation and execution of Mid-Hill Mega Maize Production Program and Seed Subsidy Program Guideline of GoN. Truthful Labeling (TL) in source seed and licensing of seed quality control authority to private, public and NARC scientists are now recognized in the new Seed Act and Seed Regulation. HMRP also supported SQCC to prepare directives and procedures for decentralized “truthfully labeled source seed” production guideline SQCC, NARC, DoA, NGOs, private seed companies and community based organizations (CBOs) continued receiving small equipment and infrastructure support to augment their research and development capacities. In- country training courses were conducted on various aspects of maize participatory research, crop management technologies, community based seed production (CBSP), seed marketing, and the application of seed quality control methods. Maize seed marketing has got new course in HMRP by introducing pre-sowing contract maize seed production and increasing collaboration with Agriculture, Forestry and Environmental Committee (AFEC) of DDC and VDC.

Several lessons were learnt from the implementation of HMRP activities in 2013. Such lessons included- (i) participation of women and resource poor farmers in the participatory research and dissemination was effective to increase the adoption of improved maize varieties and technologies by these farmers; (ii) HMRP program and budget endorsement in VDC and DDC councils has increased local ownership for the program (iii) Public-private partnership in seed quality control, packaging, branding and marketing has been found successful approach in HMRP (iv) Pre-sowing seed contract initiated in 2013 has shown very promising results and this will be further strengthened and up-scaling in the remaining period of HMRP (v) Linking primary CBSP groups (No-180) to Strategic (No-43) and strategic cooperatives to regional seed centers (No-6) will be extremely useful to expand seed business opportunities (vi) collective action of public, private, non- government and CBOs/ cooperative actors were very effective to increase the project impacts and sustainability (vi) decentralized source seed production approach initiated in HMRP significantly helped CBSP groups and cooperatives to access breeder and foundation seed on time and as per of their need; (vii) Demand for improved maize seed has increased significantly and to respond for this seed production and seed retention will be emphasized in 2014 (viii) responsibility for foundation seed production should be gradually transferred from NARC stations to CBSP groups/ cooperatives and private seed companies. NARC should focus on applied and adoptive research on agronomy, variety development, maintenance and breeder seed productions where private sectors still are not fully competent; (ix) Conservation agriculture technologies tested in NARC stations and on-farm (few locations) has been found quite successful and some of the technologies will be gradually brought to the farmers field for demonstration (x) HMRP will continue collaborating with DoA and NARC for the effective implementation of Hill Mega Maize Production program (xi) Demand for hybrid maize technologies including

climate resilient varieties and crop management practices are increasing in the hills (xii) Impact of out-migration of male youths has been putting increasing negative pressure in the farming by reducing labour supply and causing disinvestment in food production. (xiii) Awareness about improved maize varieties has been increased significantly resulting increasing demand for seed (xiv) Increased collaboration of private seed companies with the national and international public research organization will improve the access of germplasm from public sources by these seed companies (xv) Developing implementation action plan is crucial to initiate implementation of for National Seed Vision

YPO- 2014 is prepared on the basis of continuing Gender Equity and Social Inclusion (GESI) as an integral component in all project activities; increasing efforts on post harvest losses reduction, seed quality control, seed retention and seed marketing; validation and dissemination of crop management technologies; promotion of new maize varieties; dissemination of QPM through "QPM village" concept; increasing the role of local bodies (VDC/ DDC) in the agriculture sector; institutionalization of participatory research methods (PVS) and CBSP in the DoA and NARC systems; strengthening of NARC stations to implement decentralized source seed production and continue capacity development of NARC, SQCC and CDD and other HMRP partners through in-country training and small equipment and infrastructure support. The 2013 internship program was successful in HMRP. HMRP in 2014 will hire next batch of five interns from AFU, TU and HICAST to acquaint them about HMRP works and approaches and assist project in its research and development activities.

US\$ 1,458,600 has been proposed for 2014 which include budget for the approved project period of Jan to July 2014 (US\$ 847,265) and for the cost extension from Aug to Dec 2014 (US\$ 611,334- SDC: US\$ 395,376 and USAID: US\$ 215,958).

The proposed budget include the expenses under outcomes A, B and NRS expert assistance (US\$ 1,176,573), IRS expert assistance/HMRP Advisor (US\$ 42,500), indirect cost (US\$ 87,941) and Nepal office expenses (US\$ 151,585). The financial report of the project until Dec 2013 shows that the project has balance of US\$ 847,265 for the residual period of the project (January to July 2014). The program budget for SGP partners has been increased by 5%. Budget under outcomes A and B comprises SGP funds, seed purchase for IRDs and PVS trials, formation of National crop Improvement Consortium, review of National Seed Vision and prepare action plan for maize sub-sector, salaries and allowances for interns, in- country training courses, and small infrastructure and equipment support for HMRP partners and CBSP groups. As in previous years 10 NARC research stations/ programs/ divisions, 20 DADOs (coordinated by DoA/CDD) and 21

NGOs, CBOs and private organizations will implement 65 SGPs ([Annex 5](#)). HMRP will covers about 53,000 households from 400 VDCs of the 20 project districts.

2. OUTCOME MONITORING SUMMARY FOR 2014

Indicators	Baseline ¹	Annual target (2014)	Situation	Comment
A. Hill maize farmers, especially from poor and disadvantaged groups, adopt new and profitable maize varieties and improved technologies to enhance productivity and marketing opportunities				
1. NMRP and CBSP meets 30 % of national OPV maize seed demand of 5,086 tons	830 t	1,200 t targeted for 2014 by at least 223 CBSP groups (1,000 ha)	1,216 tons marketable surplus seed produced in 2013 (IS-1,195 t and SS-21 t)	<ul style="list-style-type: none"> • Linking primary CBSP Groups to Strategic CBSP Cooperatives and strategic CBSP cooperative to Regional Seed Centers will emphasized • DSCC will be strengthened • Pre-sowing seed contract will be up-scaled • CBSP area will be slightly expanded considering the increased maize seed demand
2. 35,000 HHs used new maize varieties and improved technologies	21,251 HHs	>55,000 HHs targeted for 2014	HMRP worked with 56,389 HHs in 2013	<ul style="list-style-type: none"> • HMRP approach of “Take innovations to small farmers ” will be continued
3. 1,000 tons of quality maize seed produced by CBSP groups annually and at least 40 CBSP/Cooperative	174	220 CBSP groups (6,000 HHs) will engage in seed multiplication and 43 of them will have developed commercial and	223 CBSP (5,804 HHs) involved and 43 of them have developed modest infrastructure	<ul style="list-style-type: none"> • Emphasis on institutional network of Primary-Strategic-Regional Seed centers • Improve CBSP governance • Strengthen P-P-P model

¹ Base line data indicates situation of 2010

Indicators	Baseline ¹	Annual target (2014)	Situation	Comment
s have contracts with local seed traders		semi commercial seed businesses	and engaged in commercial seed production activities (P-CBSP-180; S-CBSP-37 and RSCs-6)	
4. 11,000 beneficiaries use Quality Protein Maize (QPM)	5,000 HHs	12,000 HHs produce and consume Quality Protein Maize (QPM)	About 11,000 HHs produced QPM in 'QPM village'	<ul style="list-style-type: none"> • QPM has potential • Need scale up and out • Consumption awareness
5. At least 50% women and 50% disadvantaged represented in CBSPs and 60 % women and 70 % DAGs participated in participatory research and development activities	53 % women and 66 % DAG in total	55% women and 65% DAGs represented in CBSPs and 60 % women and 70 % DAGs participated in other research and development activities	57% women & 64% DAGs represented in CBSPs and 62% women and 71% DAGs participated in maize R&D in 2013	<ul style="list-style-type: none"> • Timely seed purchase • Training and monitoring
B. National Seed Board (NSB), NARC and DoA enforce quality control through both public and private institutions				
B.1. NARC/NSB issued directives and procedures for decentralized truthfully labeled source seed production	-	Directives and procedures for decentralized source seed production will be approved by GoN authority	Directives for DSSP prepared and under approval process	<ul style="list-style-type: none"> • Practically DSSP has been met in 2013. Nine NARC stations and 27 CBSP groups involved in SSP
B.2. 200 NARC breeders, SMS of DADOs and Private sector experts (at least 50 women and 10 from private sector) authorized for field inspection, sampling and seed	-	78 participants (67 male and 11 female) NARC breeders, SMS of DADOs and Private sector experts are trained	78 participants (67 male and 11 female) are trained and refreshers' training course	<ul style="list-style-type: none"> • It is expected that NSB will conduct licensing test to authorize those trained personnel. HMRP plans to assist SQCC to conduct test in 2014. Target for the

Indicators	Baseline ¹	Annual target (2014)	Situation	Comment
testing			for these candidates has been planned in 2014	number of trained persons to be revised
B.3. NARC produce sufficient quantity of BS and 20 tons of FS source seed through hill ARS stations	38 t under HMRP program	40 tons breeder and foundation seed production targeted for 2014	87 tons of source seed (BS+FS) produced by NARC stations and CBSP groups	<ul style="list-style-type: none"> • Review ARS's mandate for BS/FS prod. • Seed certification and TL
B.4. Four maize varieties, including one QPM, developed and released	7	4 varieties, including one QPM released	On track. Three pipeline OPVs, including one yellow QPM are in process of release in 2014	<ul style="list-style-type: none"> • HMRP continue collaboration with NSB/NMRP to speed up release process

3. BASIC INFORMATION

3.1 Project Background

The Hill Maize Research Project (HMRP), initially funded by the Swiss Agency for Development and Cooperation (SDC), began in 1999 with the objective to increase the food security of farm families in the hills by raising the production, productivity and sustainability of maize-based cropping systems. The HMRP has gone through an initial period of four years (Phase I, 1999 to 2002), with the aim to develop, identify and validate maize varieties and technologies for the benefit of poor farmers in the hills of Nepal. It's primary focus was on on-station research. Phase II of the project went from 2003 to 2007 where the project balanced applied and adaptive research, multiplied seed of varieties selected by farmers in PVS through CBSP, and coordinated diverse small-grants projects that contributed to HMRP goals. In Phase III (January 2008 - July 2010), the project placed emphasis in the validation and dissemination of the improved maize varieties and agronomic/soil interventions, consolidated the participatory approaches for technology adoption, strengthened the partnership with different local stakeholders,

emphasized gender equity and social inclusion (GESI), and expanded to other geographical areas in the hills. The current phase (HMRP IV, Aug 2010 to July 2014) is co-funded by SDC and USAID. The goal of the HMRP IV is to improve food security and income of poor and DAGs in the hill of Nepal by up-scaling and consolidating project achievements of the past three phases (1999-2010), maximizing impacts by selective intensification of key project activities following geographical clustering approach, focusing on dissemination, community based seed production and marketing and, continuing policy advocacy for truthful labeling, decentralized source seed production and public- private partnership in seed quality control.

3.2 Analysis of socio- political contexts

The Constituent Assembly Poll has been successfully conducted on November 19, 2013. After years of political deadlock, the CA has elected Sushil Koirala, as the country's new prime minister. In spite of this hopeful political development in the country, peace and stability in the days ahead will remain key challenges which will have implications for development projects to successfully implement the project activities. Absence of elected local bodies since 2002 is an important constraint to increase collaboration with local institutions such as DDC and VDC.

Nepal has made fair level of progress in some social indicators. For example, Nepal recorded 5.7 % decline in absolute poverty between 2003/04 (30.86%) and 2009/10 (25.16%) (NLSS-III, 2011), and Nepal's hunger status has been improved from 'alarming' to 'serious' status according to the Global Hunger Report published by IFPRI in 2013. Nevertheless, the same reports also indicated that poverty and hunger have increased in the mid and far west Nepal and among the vulnerable social groups. These findings indicate the relevance of HMRP to work with the poor and disadvantaged farmers to reduce poverty and hunger.

The GoN has finalized the Agriculture Development Strategy (ADS) to replace the country's Agriculture Perspective Plan. Provision of "Voucher System" to farmers to access improved seeds and other inputs are being considered in the ADS. This provision might be an opportunity for HMRP to strengthen seed supply targeting poor and DAG farmers. Likewise, GoN has endorsed the National Seed Vision (2013-2015). This vision paper proposes strengthening varietal development and release; support public, community and private actors in seed multiplication, and marketing; and promote the use of quality seeds. It also envisions the development and release of 17 maize hybrid varieties by NARC and additional, 5 hybrids in maize by private sector.

These developments have created a supportive environment for HMRP since the work of the project is being aligned to assist national system to achieve some of those milestones. Provision of 15% budget from VDC grants for investment in the agriculture sector has been found extremely effective. Many HMRP partners and CBOs are already benefitting from this provision. Collaboration with local bodies in maize food security initiatives will be further expanded and strengthened. Climate change and climate variability is emerging as a main threat for a sustainable food security situation in the country. This shows the relevance of HMRP in the development, validation and dissemination of climate resilient maize varieties, and technologies.

3.3 HMRP IV partners and the budget for 2014

10 NARC research stations, 20 DADOs, 5 RSTLs and 5 RADs and 21 NGOs, CBOs and private organizations will implement 65 SGPs ([Annex 5](#)). Through these partners HMRP will reach to at least 53,000 households from 400 VDCs of the 20 project districts.

Project's financial status until December 2013 shows that the project has balance of US\$ 847,265 for the residual period of the project i.e. from January to July 2014 ([Table 1](#)). With this balance, a total of US\$ 1,458,600 has been proposed for 2014 including US\$ 611,334 (SDC-US\$ 395,376 and USAID- US\$ 215,958) for cost extension period ([Table 2 and Annex 10](#)).

Table 1: HMRP IV budget status as of Dec 2013

SN	OUTCOMES	Budget (US\$)			Total Expense (Aug'10-Dec'13)			Balance as of Dec '13		
		SDC	USAID	Total	SDC	USAID	Total	SDC	USAID	Total
A	OUTCOME A	1,615,423	916,173	2,531,596	1,452,232	786,074	2,238,307	163,191	130,099	293,289
B	OUTCOME B	646,251	363,497	1,009,748	571,938	296,955	868,893	74,313	66,542	140,855
	NRS ASSISTANCE (FOR OUTCOMES A & B)									
	1. Team Leader-1 and NRS Agronomist-1	145,303	81,733	227,036	126,922	67,946	194,869	18,381	13,787	32,167
	2. Cluster Agronomists-4	120,002	67,501	187,503	104,737	52,246	156,983	15,265	15,255	30,520
	Sub-total	2,526,979	1,428,904	3,955,883	2,255,830	1,203,222	3,459,052	271,149	225,682	496,831
C	CIMMYT MEXICO COST									
	Expert assistance-HMRP Advisor	442,800	221,400	664,200	373,733	198,810.28	572,543	69,067	22,590	91,657
	Indirect cost	254,523	136,617	391,140	211,156	112,673.16	323,829	43,367	23,944	67,311
	Sub Total	697,323	358,017	1,055,340	584,889	311,483	896,373	112,434	46,534	158,967
D	CIMMYT NEPAL COST	411,698	213,079	624,777	282,031	151,279	433,310	129,667	61,800	191,467
	Grand Total (US\$)	3,636,000	2,000,000	5,636,000	3,122,751	1,665,984	4,788,735	513,249	334,016	847,265

Proposed budget for 2014 include the expenses under outcomes A (US\$ 851,589), B (US\$ 171,722) and NRS expert assistance (US\$ 153,262), IRS expert assistance/HMRP Advisor (US\$ 42,500), indirect cost (US\$ 87,941) and Nepal office expenses (US\$ 151,585) ([Table 2](#)). List of partners and activities are presented in [Annex 5 to 8](#).

Likewise, details of activities for the PMU to support outcomes A and B is presented in [Annex 9](#).

Table 2: Proposed budget for 2014 including cost extension period

SN	OUTCOMES	Balance as of Dec '13			Estimated Budget for 2014 (Jan-Dec)			Estimated budget for Jan to July 2014 (regular period)			Estimated budget for Aug-Dec 2014 (extended period)		
		SDC	USAID	Total	SDC	USAID	Total	SDC	USAID	Total	SDC	USAID	Total
A	OUTCOME A	163,191	130,099	293,289	528,257	323,332	851,589	303,313	202,209	505,522	224,944	121,123	346,067
B	OUTCOME B	74,313	66,542	140,855	106,640	65,083	171,722	59,759	39,840	99,599	46,880	25,243	72,123
	NRS ASSISTANCE (FOR OUTCOMES A & B)				-	-	-						
	1. Team Leader-1 and NRS Agronomist-1	18,381	13,787	32,167	51,274	31,426	82,701	29,772	19,848	49,620	21,502	11,578	33,080
	2. Cluster Agronomists-4	15,265	15,255	30,520	38,457	23,570	62,027	22,330	14,887	37,216	16,127	8,684	24,811
	3. Short term NRS consultants/interns				4,779	3,755	8,534	3,072	2,048	5,120	1,707	1,707	3,414
	Sub-total (A, B and NRS)	271,149	225,682	496,831	729,407	447,167	1,176,573	418,247	278,831	697,078	311,160	168,335	479,495
C	CIMMYT MEXICO COST												
	1. Expert assistance-HMRP Consultant	69,067	22,590	91,657	25,500	17,000	42,500	14,790	9,860	24,650	10,710	7,140	17,850
	2. Indirect cost	43,367	23,944	67,311	55,775	32,166	87,941	31,767	19,239	51,006	24,008	12,927	36,935
	Sub Total	112,434	46,534	158,967	81,275	49,166	130,441	46,557	29,099	75,656	34,718	20,067	54,785
D	CIMMYT NEPAL COST	129,667	61,800	191,467	97,943	53,641	151,585	48,445	26,086	74,531	49,498	27,555	77,053
	Grand Total (US\$)	513,249	334,016	847,265	908,625	549,974	1,458,599	513,249	334,016	847,265	395,376	215,958	611,334

Budget under outcomes A and B comprises SGP funds, seed purchase for IRDs and PVS trials, formation of National crop Improvement Consortium, review of National Seed Vision and prepare action plan for maize sub-sector, salaries and allowances for interns, in- country training courses, and small infrastructure and equipment support for HMRP partners and CBSP groups and supporting NARC for strengthening M&E systems ([See Annex 10](#)).

The program budget for SGP partners has been increased by 5% in comparison to 2013. A total of US\$ 717,511 (NRs 64,575,977) is allocated to the partners for the implementation of 65 SGPs ([Table 3](#)). In 2014, NARC, CDD/DoA and NGOs/ CBOs will receive 46%, 25% and 29% respectively. Budget will be released in two installments- 60% and 40% respectively ([Table 3](#)). US\$ 305,800 will be managed centrally to purchase and preparation of 43,350 IRDs and 250 PVS trial sets and to support partners' activities under Outcome A and B which includes organization of training courses, monitoring, awarding partners and CBSP groups, infrastructure and small equipment support to partners, internships, develop maize sub-sector action plan for the implementation of national seed vision and establishment of National Crop Improvement Consortium and assist NARC for M&E system development and SQCC for monitoring of the implementation of National Seed Vision etc.

Table 3: Summary of budget allocation by partner 2014 (2070/71 and 2071/72)

HMRP phase	Year	NARC		CDD/DoA		NGOs/ CBOs		Total	% change over the year
		NRs.	%	NRs.	%	NRs.	%	NRs.	
HMRP IV	2014	29,481,577	46	15,865,000	25	19,229,400	29	64,575,977	5
	2013	28,024,000	46	15,110,000	25	18,388,440	30	61,522,440	9
	2012	24,977,000	44	14,300,000	25	17,393,000	31	56,670,000	10
	2011	22,016,000	43	13,484,882	26	16,200,000	31	51,700,882	5
HMRP III	2008-2010	21,930,000	44	16,071,977	33	11,447,200	23	49,449,177	-

4. EXPECTED OUTCOMES

The goal of HMRP IV is to improve the food security and income of the rural HHs in the hills focusing on poor and disadvantaged farmers. The HMRP IV has set two outcomes. The first outcome is related with the development and validation of new maize varieties and profitable technologies and fostering their adoptions among small scale farmers in the hills. The second outcome is to assist NSB, NARC and DoA to develop and implement appropriate seed policies to strengthen sustainable seed system in Nepal. Both outcomes complement each other to achieve the overall project goal.

HMRP in 2014 aims at reaching about 55,000 households (63% women and 71% DAGs) through various research and development interventions. At least 45,000 IRD/ CFFT/FAT sets and 250 PVS sets, 600 intercropping trials and several other participatory technology validation and dissemination activities will be conducted in 2014. Similarly, seed production and marketing will be emphasized through 223 CBSP groups (57% of the members will be women) which aim to produce maize seed in 1,168 ha with an estimated market surplus at least 1,200 t. HMRP will focus on institutionalization, strengthening and enterprising CBSP groups in 2014. Seed retention rate will be emphasized. Pre-sowing seed contract will be strengthened and up-scaled and HMRP targets at least 500 tons improved seed production under PSSC arrangement. Training to the farmers will be an integral part for all the activities. About 7,000 HH members (with 70 % DAGs) will be trained on improved maize production technologies including maize-vegetable intercropping, seed production, seed quality control and truthful labeling, seed marketing, seed business plan development, cost of seed production, group dynamics and GESI considerations. The maize seed produced by CBSP groups/cooperatives and NARC stations in 2013 including estimated informal seed flow in the community will be sufficient to meet about 30 % of the maize seed demand of about 70,000 ha in the hills of Nepal. GESI will be further emphasized to increase the participation of women and disadvantaged farmers in CBSP and participatory research and extension activities. Release of maize varieties (three normal and one QPM) will be accomplished in 2014.

Based on the results of conservation agriculture trials conducted in NARC stations and on-farm, this year HMRP plans to bring some of the CA technologies as demo in the farmers' field. Establishment of long-term conservation agriculture (CA) trials in NARC stations will be continued.

The project will implement three new strategic initiatives in 2014 which will include establishment of National Crop Improvement Consortium; review of National Seed Vision document and prepare action plan for maize sub-sector and assisting NARC for M&E and SQCC for implementation of National Seed Vision. To assist project to accomplish these initiatives and other activities in the project HMRP will seek services of Dr. Memo (former TL of HMRP) as HMRP consultant. Likewise, HMRP will be organizing meeting and talk programs aiming at sharing the HMRP innovations among the public, private and non-governmental actors. In partnership with IFPRI and KISAN/USAID, HMRP will initiate dialogue with SQCC for effective implementation of National Seed Vision. Likewise, HMRP will collaborate with CDD to implement the Mid-hill Mega Maize Production Program

HMRP made significant progress on the policy outcome. HMRP supported to prepare the revised Seed Regulation and contributed considerably in the preparation of the National Seed Vision (2013-2025) document. The operational guidelines to integrate DISSPRO (seed program undertaken by GoN) and CBSP (seed program undertaken by HMRP) has been prepared, and CDD is expected to submit this revised guideline to MoAD for approval. Similarly, HMRP in collaboration with VSP/CEAPRED supported SQCC to prepare decentralized source seed production guideline. HMRP will continue supporting SQCC, NARC, CDD and RSTLs, seed companies, Agro-vets and CBSP groups/cooperatives for small infrastructure and equipments. Seed quality control training to agricultural scientists to get license to carry out seed field inspection, seed testing, sampling and truthful labeling will be continued in 2014. CBSP- RSTL linkages will be strengthened to allow CBSP groups to receive increased quality services from the respective RSTLs. Seed processing, packaging, branding and truthful labeling will be implemented through strategic CBSP groups.

NARC stations will be strengthened to produce quality breeder and foundation seeds to meet regional source seed demand. Strategic measures will be further worked out and implemented to ensure sustainability of the CBSP groups and cooperatives. Such strategies would be to enterprising CBSP groups, increase their linkages with the district line agencies, private seed traders and local states, and diversify seed production activities and integrating DISSPRO and CBSP. Small infrastructure support to CBSP and

increased economic efficiency through value chain approach will be emphasized. To reduce post-harvest losses, in 2014 HMRP will continue supporting CBSP groups/cooperatives with the Grain Pro Bag, seed bins etc.

5. EXPECTED OUTPUTS

Goal: Farm HHs in the hills of Nepal, especially of poor and disadvantaged groups, have improved food security and income

Outcome A: Hill maize farmers, especially from poor and DAGs, adopt new and profitable maize varieties and improved technologies to enhance productivity and marketing opportunities

Outcome B: National Seed Board (NSB), NARC and DoA, enforce seed quality control through both public and private institutions.

5.1 Outputs under Outcome A

A.1. CBSP groups/cooperatives know and use available improved maize varieties and technologies

The YPO 2014 targets seed multiplication of farmers' preferred maize varieties (identified through PVS) with at least 6,000 HHs (220 CBSP groups/cooperatives). HMRP will emphasize on the technology transfer for quality seed production, strengthening and institutionalization of CBSP groups/cooperatives, enhancing internal seed quality control systems, good governance, enterprise development and creating linkages and synergies with the district line agencies, other agricultural projects and local states. Capacity of CBSP groups/cooperatives to produce quality source seed will also be emphasized as part of the decentralization of source seed production efforts. Most of the CBSP groups/cooperatives and poor farmers in the district will conduct sufficient PVS and IRD trials to provide them with the varietal options so that they can select the best varieties suitable to their conditions and to respond properly to the market demand. CBSP groups/cooperatives will be encouraged to adopt maize resource conserving technologies such as balanced use of fertilizer and compost, use of zero/ minimum tillage technologies, maize-vegetable/ legume intercropping, composting technologies and plant population management at the optimum level. Each of the CBSP members will be receiving training on the various aspects of seed system including seed production, seed quality control and truthful labeling, seed marketing, group dynamics, post harvest losses and GESI considerations. Such training will be organized during different stages of crop

development including pre- sowing, crop growth and post- harvest. The executives of the CBSP groups/cooperatives will be trained on seed value chain, preparation of business development plan and plan execution. All these activities will ensure that the CBSP groups/cooperatives know and use improved maize varieties and technologies on a sustainable manner.

A.2. Poor and disadvantaged HHs have increased access to quality maize seed and proven technologies

Strategically, HMRP combines the yield potential of improved varieties, quality seed and agronomic practices to increase the profitability and sustainability of maize based cropping systems of the poor and disadvantaged farmers. These activities will be implemented using targeted participatory approach focusing on the poor and disadvantaged farmers. About 70% of the targeted 50,000 HHs will be from DAGs. This year at least 43,000 sets of IRDs/FAT/CFFT sets will be provided to resource poor and DAG farmers. It means that these farmers will be able to produce sufficient seed to cover their fields for the subsequent year. Project partners will conduct on- farm training to these farmers in production technologies and seed selection methods. Many of those poor and DAGs will also be receiving about 7,500 baby sets (500 gm) to provide feedback to the researchers.

A.3. CBSP groups/cooperatives supply quality seeds at competitive market price

HMRP IV has emphasized seed marketing through active participation of the private sector, especially Seed Companies and Agro-vets. Towards this, the project will emphasize PSSC involving CBSP groups and seed traders. All strategic CBSP groups and cooperatives (No 43) have been targeted to enter into this agreement. Similarly, Seed Entrepreneurs' Association of Nepal (SEAN); SEAN Seed Service Center (SSSC) and DADOs will play significant role in implementing PSSC. The YPO 2014 targets seed multiplication of farmers' preferred maize varieties in about 1,000 ha involving at least 6,000 HHs in 220 CBSP groups/cooperatives. About 1,200 t of marketable surplus seed is targeted for 2014. Similarly, CBSP groups/cooperatives involved in source seed production in the project will be capacitated to further increase the quality of the seed. These CBSP groups/cooperatives will produce about 20 t of foundation or source seed. They will be registered at the National Seed Board according to the prevailing Seed Act of Nepal. HMRP will continue developing maize seed systems based on the value chain approach. It is planned that at least 43 strategic CBSP groups/cooperatives will develop

minimum level of seed related small infrastructure, receive seed revolving fund and be engaged in the seed marketing chain as strong actors.

Monitoring of these CBSPs will be increased to ensure that project supports for small infrastructure and equipments development and seed revolving fund (SRF) are purposefully and properly utilized. It is expected that the small infrastructure and equipments and SRF support, including market promotional support, will be instrumental in helping small and marginal seed producers by providing them with the needed cash immediately after harvesting. This measure will significantly reduce the possible misuse of seed as grain.

CBSP groups/cooperatives will strongly be encouraged to receive additional funding support from GoN district line agencies, NGOs and local states to develop their infrastructure. Input suppliers, seed producers, processors, traders and seed consumers will engage in seed business in such a way that each of the actors will be informed of the cost and margins that will allow seed producers to fetch fair price for their seed. This approach will eventually help to maintain seed price at a reasonable rate. At least 42 CBSP groups/cooperatives will sell truthfully labeled seed with proper cleaning, grading, branding and packaging.

A.4. Poor and disadvantaged maize producing HHs have access to multiple agricultural interventions for enhanced productivity

Collaboration and linkages will be further strengthened among the agricultural projects, district line agencies, NGOs and local states to create multiple livelihood options. The project will collaborate through the exchange of results and information, and through joint dissemination and training activities with a range of other projects, including SDC-funded projects such as VSP, SSMP, LILI, HG, etc., as well as USAID-funded projects such as KISAN, CSISA-NP and Suahara working in HMRP districts. With this initiative, at least 1,000 HHs will increase the cropping intensity in the SDC and USAID districts. About 300 farmers will practice maize and vegetables seed production (jointly with the VSP-CEAPRED project).

5.2 Outputs under Outcome B

B.1 National Seed Board (NSB), NARC, DoA allow decentralized source seed production system

Supply of source seed of the farmers preferred varieties on time and the required quantity is one of the major constraints that CBSP and DISSPRO are facing in the country. NMRP, Rampur coordinates breeder and foundation seed production in the country. However, source seed produced by hill research stations of NARC are not able to meet regional demand for the source seed. To address these constraints, HMRP IV made significant progress to decentralize source seed production through public-private partnerships. With these efforts, NARC and CBSP groups have been able to produce and supply required quantity of breeder and foundation seed (72 tons). In 2014, at least the same level of seed production will be maintained. The main focus of the project will be on enhancing capacity (training, infrastructure and equipment support) of NARC stations and CBSP groups/cooperatives to produce quality seed according to the GoN prescribed standards and market demand. As in previous years, one Central and five Regional Seed Testing Laboratories (CSTL/RSTL), and nine NARC research stations will receive small infrastructure and equipment support in 2014.

B.2. Public and private institutions obtain seed inspection mandate and license

The newly amended Seed Act (2045 BS) and Seed Regulation (2013) of Nepal provisions two systems of seed quality controls. They are- seed certification (voluntary) and truthful labeling (compulsory). In HMRP, some of the CBSP groups and cooperatives are selling truthfully labeled seed in the market and the results are very promising. However, wider application of truthful label in maize seed requires significant efforts. Constraints associated with the non- adoption of these provisions include- weak human resources and infrastructure base of RSTLs, seed producers and traders; lack of awareness among the seed users, and poor market infrastructure. With this output, HMRP will respond to these constraints by providing training to the NARC, DoA, and private sector scientists and development workers in order to obtain licenses for field inspection, seed testing and seed sampling. Similarly, infrastructural constraints of the CSTL/ RSTLs and CBSP groups/cooperatives will be addressed by providing infrastructure support and training. In 2014, HMRP will provide technical support to SQCC to prepare directives for Seed Regulation and conduct seed licensing tests. 78 (female-11) personnel from public, private and NGOs trained in 2011 and 2012 will be encouraged to participate in the licensing tests. Refresher training course will be organized for these potential personnel before the licensing test.

B.3 CBSP groups/ cooperatives manage supply of quality seed

Strengthening the capacity of CBSP groups/cooperatives to produce and market quality maize seed is one of the most important outputs for HMRP IV. To ensure their capacity,

in 2014 HMRP will focus on proper mobilization of trained CBSPs. For this, a list of the trained CBSPs will be prepared and the project will closely monitor their roles and functions. CBSP groups/cooperatives will continue receiving technical and other type of support services such as training to CBSP executives on seed value chain and business plan development, cost of production, and provide training to seed producers on seed production, seed quality control and truthful labeling, seed marketing, group dynamics, post harvest losses, and GESI considerations. This support will significantly help CBSP groups and cooperatives to develop their own internal seed quality control system to produce and supply improved quality maize seed.

B.4. NSB and NARC consider HMRP's experience in variety development, certification and release system

Maize breeding activities are targeted to develop varieties for higher yield, good adaptation and drought, GLS and low nitrogen tolerance. Three OPVs, including one yellow QPM, will be released in 2014. Varietal data generated in on- farm PVS trails are being considered by the NSB to release the proposed varieties. NARC has adopted the PVS approach in testing the performance and acceptability of maize varieties. To institutionalize these approaches, HMRP has been engaged to prepare guidelines on seed production and marketing where HMRP experiences on PVS, IRD and GESI approaches will be incorporated.

6. PROJECT MANAGEMENT AND FINANCIAL RESOURCES

The total phase IV budget (Aug 2010 to July 2014) of the project is US\$ 5,636,000 for four years (August 2010 to July 2014) which is co-funded by SDC- US\$ 3,636,000 and USAID- US\$2,000,000 ([Table 4](#)). Proposed budget for the extended period is US\$ 611,334. Therefore the revised phase budget after adding proposed extension cost will be **US\$ 6,247,334** ([Table 5](#)). This budget includes the operational costs, source seed production, monitoring, training, equipment purchase, vehicles/motorbikes procurement, small infrastructure, workshops, consultations, travel, data collection, socio-economic surveys, demonstration fields and market and field days, printing/dissemination of results, partial support for local administrative staff time, operational cost of one National Agronomist, one Seed Value Chain and Marketing Expert, four Cluster Agronomists, one international staff, and consultants/volunteers/interns as needed, to successfully implement the project. The summary of budget for each outcome/component, by funding source, is presented in [Table 4](#). Details are also given in [Annex 2](#).

Table 4: HMRP IV Phase budget (Aug 2010 to July 2014)

Outcome/Output/Component	Phase Total Budget (US\$)
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	SDC	USAID	Total
Outcome A (Output A.1 to A.4)	1,615,423	916,173	2,531,596
Outcome B (Output B.1 to B.4)	646,251	363,497	1,009,748
NRS Expert Assistance (For Outcome A and B)	265,305	149,234	414,539
Total for Outcome A and B	2,526,979	1,428,904	3,955,883
Component C: CIMMYT Mexico Cost	697,323	358,017	1,055,340
Component D: CIMMYT Nepal Cost	411,698	213,079	624,777
Grand Total	3,636,000	2,000,000	5,636,000

Table 5: HMRP IV revised phase budget (Aug 2010 to Dec 2014)

SN	OUTCOMES	Approved Budget (Aug 2010-Jul 2014)			Proposed budget for extended period (Aug to Dec 2014)			Revised Phase Budget (Aug 2010 to Dec 2014)		
		SDC	USAID	Total	SDC	USAID	Total	SDC	USAID	Total
A	OUTCOME A	1,615,423	916,173	2,531,596	224,944	121,123	346,067	1,840,367	1,037,296	2,877,663
B	OUTCOME B	646,251	363,497	1,009,748	46,880	25,243	72,123	693,131	388,740	1,081,871
	NRS ASSISTANCE (FOR OUTCOMES A & B)									
	1. Team Leader-1 and NRS Agronomist-1	145,303	81,733	227,036	21,502	11,578	33,080	166,805	93,311	260,116
	2. Cluster Agronomists-4	120,002	67,501	187,503	16,127	8,684	24,811	136,129	76,185	212,314
	3. Short term NRS consultants/interns				1,707	1,707	3,414	1,707	1,707	3,414
	Sub-total (A, B and NRS)	2,526,979	1,428,904	3,955,883	311,160	168,335	479,495	2,838,139	1,597,239	4,435,378
C	CIMMYT MEXICO COST									
	Expert assistance-HMRP Advisor	442,800	221,400	664,200	10,710	7,140	17,850	453,510	228,540	682,050
	Indirect cost	254,523	136,617	391,140	24,008	12,927	36,935	278,531	149,544	428,075
	Sub Total	697,323	358,017	1,055,340	34,718	20,067	54,785	732,041	378,084	1,110,125
D	CIMMYT NEPAL COST	411,698	213,079	624,777	49,498	27,555	77,053	461,196	240,634	701,830
	Grand Total (US\$)	3,636,000	2,000,000	5,636,000	395,376	215,958	611,334	4,031,376	2,215,958	6,247,334

The FFA (actual) for outcomes A and B for July 2012 to June 2013 indicated that- on the fund receiver side, 90% of the budget were received by district or village actors whereas 71 % of the fund were received by discriminated people. Similarly, on the beneficiary side, 65% of the fund were invested in disadvantaged groups and 35% fund were utilized in the SDC/Helvetas' eastern and western clusters. Gender beneficiary monitoring for two selected action lines showed that that on an average, about 63% of the budget were utilized for women farmers ([Annex 3](#)).

Annex 1: Outcome Monitoring Summary Report (OMS) of 2013

Indicators	Baseline ²	Phase target	Situation	Comment
A. Hill maize farmers, especially from poor and disadvantaged groups, adopt new and profitable maize varieties and improved technologies to enhance productivity and marketing opportunities				
1. NARC and CBSP meets about 30 % of OPV maize seed demand of 4,086 tons in the hills of Nepal (@20kg/ha)	830 t	1,000 tons maize seed (farmers' preferred varieties) produced annually	1,195 t marketable surpluses of improved maize seed produced by CBSP	Scale up PSSC Enhance seed retention Truthful labeling by CBSP Monitoring
2. Poor and disadvantaged HHs used new maize varieties and improved technologies	21,252 HHs	35,000 poor & disadvantaged HHs used new maize varieties and improved technologies by 2014	HMRP directly worked with 56,389 HHs	Emphasis on "Take scientific innovations to small and women farmers
3. CBSPs involved in commercial seed production and marketing	195 groups/cooperatives	200 CBSP groups (6,000 HHs) where 40 of them developed com. seed business	223 CBSP (5,804 HHs) involved and 43 have developed com. seed business (P-180, S-37 and RSC-6)	Institutional network of Primary-strategic-Regional Seed centers CBSP Governance P-P-P model
4. Beneficiaries use Quality Protein Maize (QPM)	5,000 HHs	10,000 HHs use Quality Protein Maize (QPM)	About 11,000 HHs produced QPM in 2013	QPM has potential Up-scale Consumption awareness
5. Women and DAGs represented in CBSPs and in participatory research and extension activities	53% women and 66 % DAG in total	55% women & 65% DAGs represented in CBSPs and 60 % women & 70 % DAGs participated in other R&D activities	57% women & 64% DAGs represented in CBSPs and 62% women and 71% DAGs participated in	Timely seed purchase Training and Monitoring

² Base line data indicates situation until 2010 (extracted from draft HMRP Annual Technical report 2011)

Indicators	Baseline ²	Phase target	Situation	Comment
			maize R&D	
B. National Seed Board (NSB), NARC and DoA enforce quality control through both public and private institutions				
B.1. NSB/NARC issued directives for decentralized TL source seed production	0	Directives for DSSP prepared	Directives for DSSP prepared and under approval process	Practically DSSP has been met in 2013. Nine NARC stations and 27 CBSP groups involved in SSP
B.2. Public and private sector experts obtain seed quality control mandate	-	200 Pub. and Pvt. sector experts (50 women) authorized	78 participants (67 male and 11 female) were trained on seed certification during 2011 and 2012	HMRP continue collaboration with NSB to conduct licensing test
B.3. Sufficient quantity of Breeder and Foundation seed produced	68 t	NARC produces sufficient quantity of BS and 20 tons of FS	87 tons of source seed (BS+FS) produced by NARC stations and CBSP groups	Review ARS's mandate for BS/FS prod. Seed certification and TL
B.4. Four maize varieties, including one QPM, developed and released	7	4 varieties, including one QPM released	Pool 17 E, Arun 4 and Arun 1 EV are submitted for release. Varietal release proposal of S99TLYQ-B (Yellow QPM) is under process	HMRP continue collaboration with NSB/NMRP to speed up release process
B.5 GoN approves and implements the Seed Vision 2025.	0	Seed Vision 2025 approved and implemented	Seed Vision 2025 approved	Preparing action plan for maize sub-sector in the vision
B.6 GoN harmonizes CBSP DISSPRO through adoption of new implementation guidelines	0	New implementation guidelines to harmonize CBSP and DISSPRO approved and implemented	HMRP assisted CDD to prepare new implementation guidelines to harmonize DISSPRO and CBSP	HMRP continue collaboration with CDD/NARC to speed up the approval process

Annex 2. Phases and Annual Budget (2010-2014)

OUTCOME A (COMPONENT A)	2010/11			2011/12			2012/13			2013/14			TOTAL		
	SDC	USAID	Total	SDC	USAID	Total	SDC	USAID	Total	SDC	USAID	Total	SDC	USAID	Total
OUTPUT A.1 CBSP Groups know and use available improved maize varieties and technologies	136,261	76,647	212,908	118,659	66,746	185,405	116,743	65,668	182,411	100,039	56,272	156,311	471,702	265,333	737,035
OUTPUT A.2: Poor and disadvantaged households have increased access to quality maize seed and proven technologies	119,371	67,146	186,517	106,840	60,097	166,937	100,171	56,346	156,517	100,171	56,346	156,517	426,553	239,935	666,488
OUTPUT A.3: CBSP groups/Cooperatives supply quality seeds at competitive market price	120,460	67,758	188,218	118,870	66,865	185,735	117,590	66,145	183,735	113,045	63,588	176,633	469,965	264,356	734,321
OUTPUT A.4: Poor and disadvantaged maize producing HHs have access to multiple agricultural interventions for enhanced productivity	50,819	28,585	79,404	50,819	28,585	79,404	108,079	60,794	168,873	50,819	28,585	79,404	260,536	146,549	407,085
TOTAL FOR OUTCOME A (A.1 to A.4)	426,911	240,136	667,047	395,188	222,293	617,481	442,583	248,953	691,536	364,074	204,791	568,865	1,628,756	916,173	2,544,929
OUTCOME B (COMPONENT B)															
OUTPUT B.1: National Seed Board (NSB), NARC, DoA allow decentralized source seed production system	61,417	34,547	95,964	61,156	34,400	95,556	55,017	30,947	85,964	55,017	30,947	85,964	232,607	130,841	363,448
OUTPUT B.2: Public and private institutions obtain seed inspection mandate and license	29,729	16,723	46,452	29,729	16,723	46,452	29,729	16,723	46,452	3,605	2,028	5,633	92,792	52,197	144,989
OUTPUT B.3: CBSP/cooperatives manage supply of quality seed	60,503	34,033	94,536	60,633	34,106	94,739	55,931	31,461	87,392	55,931	31,461	87,392	232,998	131,061	364,059
OUTPUT B.4: NSB and NARC consider CBSPs experience in variety development, certification and release system	19,543	10,981	30,524	17,409	9,784	27,193	16,079	9,045	25,124	34,823	19,588	54,411	87,854	49,398	137,252
TOTAL FOR OUTCOME B (B.1 to B.4)	171,192	96,284	267,476	168,927	95,013	263,940	156,756	88,176	244,932	149,376	84,024	233,400	646,251	363,497	1,009,748
NRS EXPERT ASSISTANCE (For Outcome A and B)															
1. NRS Agronomists	33,712	18,963	52,675	35,398	19,911	55,309	37,167	20,907	58,074	39,026	21,952	60,978	145,303	81,733	227,036
2. Cluster Agronomists	27,842	15,661	43,503	29,234	16,444	45,678	30,696	17,266	47,962	32,230	18,130	50,360	120,002	67,501	187,503
TOTAL	61,554	34,624	96,178	64,632	36,355	100,987	67,863	38,173	106,036	71,256	40,082	111,338	265,305	149,234	414,539
TOTAL FOR OUTCOMES A & B INCLUDING NRS COST	659,657	371,044	1,030,701	628,747	353,661	982,408	667,202	375,302	1,042,504	584,706	328,897	913,603	2,540,312	1,428,904	3,969,216
COMPONENT C: CIMMYT MEXICO COST															
C.1 Expert assistance-IRS-G. Ortiz	103,000	51,000	154,000	107,800	53,900	161,700	113,000	57,000	170,000	119,000	59,500	178,500	442,800	221,400	664,200
C.2 Indirect cost	65,688	35,914	101,602	62,007	32,968	94,975	65,110	34,715	99,825	62,385	33,020	95,405	255,190	136,617	391,807
Total CIMMYT Mexico Cost	168,688	86,914	255,602	169,807	86,868	256,675	178,110	91,715	269,825	181,385	92,520	273,905	697,990	358,017	1,056,007
COMPONENT D: CIMMYT NEPAL COST															
D.1 Travel	15,000	10,000	25,000	20,000	10,000	30,000	20,000	10,000	30,000	20,000	10,000	30,000	75,000	40,000	115,000
D.2 Services (i.e. consultancies)	16,304	10,000	26,304	20,000	10,000	30,000	20,000	10,000	30,000	20,000	10,000	30,000	76,304	40,000	116,304
D.3 Office support (cost sharing)	23,729	14,744	38,473	28,667	14,333	43,000	30,667	15,333	46,000	33,333	16,667	50,000	116,396	61,077	177,473
D.4 Vehicle repair and maintenance	13,333	6,667	20,000	14,000	7,000	21,000	14,667	7,333	22,000	15,333	7,667	23,000	57,333	28,667	86,000
D.5 Equipment	13,333	6,667	20,000	13,333	6,667	20,000	13,333	6,667	20,000	13,333	6,667	20,000	53,332	26,668	80,000
D.6 Vehicles and motorbikes	33,333	16,667	50,000	-	-	-	-	-	-	-	-	-	33,333	16,667	50,000
Total CIMMYT Nepal Cost	115,032	64,745	179,777	96,000	48,000	144,000	98,667	49,333	148,000	101,999	51,001	153,000	411,698	213,079	624,777
GRAND TOTAL	943,377	522,703	1,466,080	894,554	488,529	1,383,083	943,979	516,350	1,460,329	868,090	472,418	1,340,508	3,650,000	2,000,000	5,650,000

Hill Maize Research Project (HMRP-IV): Yearly Plan of Operation 2014

Anex 3: FFA Actual (16 July 2012 to 15 July 2013)

Project: Hill Maize Research Project (HMRP IV)
 Period of analysis: July 2012 to June 2013
 Total Actual Expenses: 1,002,773.00
 Currency: USD

Total Actual Expenses			1,002,773.00			Fund Receivers			Fund Allocation			Fund Beneficiaries					
	Budget/Expense Headings	Budget/ Expense Amount	Geographical Outreach			Discrimination Perspective (Caste, ethnicity / gender)		Cluster perspective (Swiss cluster districts and			Disadvantaged group perspective (Economically poor and socially			Gender Perspective Female and Male Beneficiaries			
		1,002,773	District/ rural	Central	International	Discriminated	Non - Discriminated	Central cluster districts	Western cluster districts	Others and National	DAG	Non-DAG	General and common costs	Male	Female	Non- attributable	
1	2	3	4	5	6	7	8	15	16	17	9	10	11	12	13	14	
A.1	CBSP Groups know and use available improved maize varieties and technologies	133,948	85%	15%	0%	75%	25%	25%	15%	60%	68%	22%	10%	42%	58%	0%	
A.2	Poor and disadvantaged households have increased access to quality maize seed and proven technologies	120,503	85%	15%	0%	70%	30%	25%	15%	60%	72%	22%	6%	35%	65%	0%	
A.3	CBSP groups/Cooperatives supply quality seeds at competitive market price	106,815	95%	5%	0%	75%	25%	25%	15%	60%	65%	20%	15%	42%	58%	0%	
A.4	Poor and disadvantaged maize producing HHs have access to multiple agricultural interventions for enhanced productivity	125,893	95%	5%	0%	70%	30%	25%	15%	60%	72%	18%	10%	35%	65%	0%	
	Sub-Total	487,159	462,801	24,358	0	341,011	146,148	121,790	73,074	292,295	350,754	87,689	48,716	170,506	316,653		
B.1	National Seed Board (NSB), NARC, DoA allow decentralized source seed production system	17,506	90%	10%	0%	70%	30%	25%	15%	60%	65%	25%	10%	0%	0%	100%	
B.2	Public and private institutions obtain seed inspection mandate and license	41,647	90%	10%	0%	70%	30%	25%	15%	60%	65%	25%	10%	0%	0%	100%	
B.3	CBSP/cooperatives manage supply of quality seed	24,232	85%	15%	0%	70%	30%	25%	15%	60%	65%	25%	10%	42%	58%	0%	
B.4	NSB and NARC consider HMRP's experience in variety development, certification and release system	25,386	90%	10%	0%	70%	30%	25%	15%	60%	65%	25%	10%	0%	0%	100%	
	Sub-Total	108,771															
1	NRS Agronomist and SVC Expert-2	38,086	0%	100%	0%	0%	100%	25%	15%	60%	70%	10%	20%	100%	0%	0%	
2	Cluster Agronomists-4	42,807	0%	100%	0%	0%	100%	30%	25%	45%	0%	100%	0%	90%	10%	0%	
	Sub-Total	80,893															
C.1	Expert Assistance-IRS	113,077	0%	0%	100%	0%	100%	0%	0%	100%	0%	0%	100%	100%	0%	0%	
C.2	Indirect Cost	63,752	0%	0%	100%	0%	100%	0%	0%	100%	0%	0%	100%	100%	0%	0%	
	Sub-Total	176,829															
D.1	Travel	26,037	50%	40%	10%	65%	35%	30%	25%	45%	40%	40%	20%	0%	0%	100%	
D.2	Services (i.e. consultancies)	11,252	0%	100%	0%	30%	70%	25%	25%	50%	60%	30%	10%	0%	0%	100%	
D.3	Office support (cost sharing)	69,989	0%	100%	0%	20%	80%	25%	10%	65%	0%	0%	100%	90%	10%	0%	
D.4	Vehicle repair and maintenance	7,973	20%	80%	0%	20%	80%	25%	10%	65%	0%	0%	100%	0%	0%	100%	
D.5	Equipment	33,870	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	
D.6	Vehicles and motorbikes	0	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	
	Sub-Total	149,121															
	Total amount	1,002,773															

Hill Maize Research Project (HMRP-IV): Yearly Plan of Operation 2014

Anex 4: FFA Forecast (16 July 2013 to 15 July 2014)

Project: Hill Maize Research Project (HMRP IV)
 Period of analysis: July 2012 to June 2013
 Total Actual Expenses: 1,179,141
 Currency: USD

Total Actual Expenses			USD			Fund Receivers			Fund Allocation			Fund Beneficiaries					
	Budget/Expense Headings	Budget/ Expense	Geographical Outreach			Discrimination (Caste, ethnicity / gender		Cluster perspective (Swiss cluster districts and			Disadvantaged group perspective (Economically poor and socially			Gender Perspective Female and Male Beneficiaries			
		1,179,141	District/rural	Central	International	Discriminated	Non - Discriminated	Central cluster districts	Western cluster districts	Others and National	DAG	Non-DAG	General and common costs	Male	Female	Non-attributable	
1	2	3	4	5	6	7	8	15	16	17	9	10	11	12	13	14	
A.1	CBSP Groups know and use available improved maize varieties and technologies	152,672	85%	15%	0%	75%	25%	25%	15%	60%	65%	20%	15%	42%	58%	0%	
A.2	Poor and disadvantaged households have increased access to quality maize seed and proven technologies	167,206	85%	15%	0%	70%	30%	25%	15%	60%	65%	20%	15%	35%	65%	0%	
A.3	CBSP groups/Cooperatives supply quality seeds at competitive market price	198,854	95%	5%	0%	75%	25%	25%	15%	60%	65%	20%	15%	42%	58%	0%	
A.4	Poor and disadvantaged maize producing HHs have access to multiple agricultural interventions for enhanced productivity	153,172	95%	5%	0%	70%	30%	25%	15%	60%	70%	15%	15%	35%	65%	0%	
	Sub-Total	671,904															
B.1	National Seed Board (NSB), NARC, DoA allow decentralized source seed production system	11,174	90%	10%	0%	70%	30%	25%	15%	60%	65%	20%	15%	0%	0%	100%	
B.2	Public and private institutions obtain seed inspection mandate and license	26,935	90%	10%	0%	70%	30%	25%	15%	60%	65%	20%	15%	0%	0%	100%	
B.3	CBSP/cooperatives manage supply of quality seed	40,040	85%	15%	0%	70%	30%	25%	15%	60%	65%	20%	15%	42%	58%	0%	
B.4	NSB and NARC consider HMRP's experience in variety development, certification and release system	40,942	90%	10%	0%	70%	30%	25%	15%	60%	65%	20%	15%	0%	0%	100%	
	Sub-Total	119,092															
1	NRS Agronomist and SVC Expert-2	71,545	0%	100%	0%	0%	100%	25%	15%	60%	70%	10%	20%	100%	0%	0%	
2	Cluster Agronomists-4	65,754	0%	100%	0%	0%	100%	30%	25%	45%	0%	100%	0%	90%	10%	0%	
	Sub-Total	137,299															
C.1	Expert Assistance-IRS	103,246	0%	0%	100%	0%	100%	0%	0%	100%	0%	0%	100%	100%	0%	0%	
C.2	Indirect Cost	51,681	0%	0%	100%	0%	100%	0%	0%	100%	0%	0%	100%	100%	0%	0%	
	Sub-Total	154,927															
D.1	Travel	18,001	50%	40%	10%	65%	35%	30%	25%	45%	40%	40%	20%	0%	0%	100%	
D.2	Services (i.e. consultancies)	10,544	0%	100%	0%	30%	70%	25%	25%	50%	60%	30%	10%	0%	0%	100%	
D.3	Office support (cost sharing)	43,174	0%	100%	0%	20%	80%	25%	10%	65%	0%	0%	100%	90%	10%	0%	
D.4	Vehicle repair and maintenance	6,517	20%	80%	0%	20%	80%	25%	10%	65%	0%	0%	100%	0%	0%	100%	
D.5	Equipment	17,682	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	
D.6	Vehicles and motorbikes	-	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	0%	0%	100%	
	Sub-Total	95,919															
	Total amount	1,179,141															

Hill Maize Research Project (HMRP-IV): Yearly Plan of Operation 2014

Annex 5: List of partners and SGPs - 2014

SN	SGP Ref No.	Cluster	Partner's Name	Partner Type	SGP Title	Project location district(s)	Project Leader	Budget in 2013 ('000 NRs)	Budget for 2014 ('000 NRs)			% Change
									Total	First Installment	Second Installment	
1	1.01	Central	Agriculture Botany Division, NARC, Khumaltar, Lalitpur	NARC	On Station Varietal Maintenance and Source seed Production of two maize varieties (Deuti and Manakamana4)	Lalitpur	Mr. Narayan Bahadur Dharmi	900.00	915.00	549.00	366.00	1.67%
2	1.46	Central	Agriculture Botany Division, NARC, Khumaltar, Lalitpur	NARC	Evaluation of maize germplasm to identify the GLS and drought tolerant genotypes to develop tolerant cultivars for hills of Nepal	Lalitpur	Mr. Narayan Bahadur Dharmi	400.00	450.00	270.00	180.00	12.50%
3	1.11	Central	Hill Crops Research Program, Kabre, Dolakha	NARC	Identification and popularization of new maize varieties through PVS and IRD	Dolakha, Ramechhap, Spalchowk, Kavre	Mr. K Baral	665.00	698.00	418.80	279.20	4.96%
4	1.12	Central	Hill Crops Research Program, Kabre, Dolakha	NARC	Promotion of QPM (1000 HHs), market oriented maize-vegetable intercropping (50 HHs) and profitable crop management technologies (500HHs)	Dolakha, Ramechhap, Spalchowk, Kavre	Mr. B.N Adhikari	788.00	808.00	484.80	323.20	2.54%
5	1.13	Central	Hill Crops Research Program, Kabre, Dolakha	NARC	On-Station and On-Farm source seed production for availability of quality seed	Dolkha	Mr. Bhanu B. Pokharel	770.00	807.00	484.20	322.80	4.81%
6	1.15 a	Central	Hill Crops Research Program, Kabre, Dolakha	NARC	Income generation through Community based seed production and marketing	Dolakha, Ramechhap, Kavre	Mr. Bhanu B. Pokharel	765.00	796.00	477.60	318.40	4.05%
7	1.15 b	Central	Hill Crops Research Program, Kabre, Dolakha	NARC	Validation of CA based crop management technologies through establishment of long-term CA trials (on-station)	Dolakha	Mr. Bhanu B. Pokharel	200.00	210.00	126.00	84.00	5.00%
8	1.16	Central	National Maize Research Program, Rampur, Chitwan	NARC	Development of high yielding OPVs suitable for mid hills of Nepal	Chitwan	Dr. K. B. Koirala	1,000.00	1,199.60	719.76	479.84	19.96%
9	1.17	Central	National Maize Research Program, Rampur, Chitwan	NARC	Maintenance of released maize varieties through improvement of husk cover and other agronomic traits	Chitwan	Mr. B.R. Bhandari	352.00	352.00	211.20	140.80	0.00%
10	1.19	Central	National Maize Research Program, Rampur, Chitwan	NARC	Quality source seed production of released maize varieties	Chitwan	Mr. B.R. Bhandari	1,000.00	1,000.00	600.00	400.00	0.00%
11	1.20	Central	National Maize Research Program, Rampur, Chitwan	NARC	Maintenance, improvement and quality breeder seed production of released and pre-released open pollinated maize varieties	Rampur, Pakhribas, Kabre, Lumle, Dailekh	Mr. C.B. Kunwar	690.00	690.00	414.00	276.00	0.00%
12	1.21	Central	National Maize Research Program, Rampur, Chitwan	NARC	Development of high yielding and drought tolerant OPVs suitable for mid hills of Nepal	Chitwan	Mr. M.P. Tripathi	1,000.00	1,000.00	600.00	400.00	0.00%
13	1.22.a	Central	National Maize Research Program, Rampur, Chitwan	NARC	Up scaling of proven maize pest management and seed storage technologies for maize in western mid hills of Nepal	Palpa and Syangja	Mr. P. Thakur	580.00	684.00	410.40	273.60	17.93%
14	1.22.b	Central	National Maize Research Program, Rampur, Chitwan	NARC	Verification of Conservation Agriculture based crop management technologies through establishment of long-term on-station CA trials at NMRP and on-farm CA demo-trials in Palpa and Syangja and long-term CA trials (FAMPAR village)	Palpa and Syangja	Mr. T.B. Karki	877.00	876.98	526.19	350.79	0.00%
15	1.24	Central	National Maize Research Program, Rampur, Chitwan	NARC	Maintenance and seed production of pre-release early maize varieties in Nepal	Chitwan	Mr. J. Shrestha	490.00	490.00	294.00	196.00	0.00%
16	1.50	Central	National Maize Research Program, Rampur, Chitwan	NARC	Participatory Technology Development and Dissemination Support for HMRP	HMRP districts	Mr. T.R. Rijal	460.00	600.00	360.00	240.00	30.43%
17	1.48	Central	CPDD, Khumaltar, Lalitpur	NARC	Production and communication of improved maize and maize based technology through print and electronic media (Radio, FM, TV)	HMRP districts	Mr. Manoj Thakur	840.00	880.00	528.00	352.00	4.76%
18	2.01	Central	DoA/Crop Development Directorate, Hariharbhawan, Lalitpur	DOA/CD D	Enhancing food security at local level Through Maize Technology Verification/ Dissemination and Community Based Seed Production (CBS) in the Middle-hills of Nepal	20 districts	Mr. Suroj Pokhrel	15,110.00	15,865.00	9,519.00	6,346.00	5.00%
19	4.18	Central	Asaahaya Upakar Kendra/Garden, (AUK) Kathmandu	NGO	Maize Seed Production and Dissemination Project	Kavrepalanchowk	Mr. Bholu Poudel	660.00	725.00	435.00	290.00	9.85%
20	4.20	Central	Agri-Business and Trade Promotion Multipurpose Cooperative Ltd. (ABTRACO), Kathmandu	NGO	Development of maize seed village in Dhading in combination with CBSP, PVS, IRD, ICT	Dhading	Mr. JC Gautam	990.00	1,039.00	623.40	415.60	4.95%
21	4.40	Central	Technical Training & Research Initiative Khumaltar (TTRI), Lalitpur	NGO	Selection of location specific high yielding maize varieties with farmers' preferred traits and their seed multiplication	Kavrepalanchowk	Ms. Uma Paudyal	660.00	682.00	409.20	272.80	3.33%
22	4.44	Central	Hill Development Council, Kathmandu (HDC), Dhading	NGO	Enhancing food security through sustainable seed security program to improve the livelihoods of marginalized rural poor in Dhading District	Dhading	Mr. Ranji Prasad Bhattarai	577.50	606.00	363.60	242.40	4.94%
23	4.46	Central	Forest and Environment Protection Society (FEPS), Dhading	NGO	Promotion of improved maize varieties and technologies in Dhading	Dhading	Mr. Badri Prasad Tiwari	577.50	606.00	363.60	242.40	4.94%
24	5.01	Central	Hariyali Community Seed Company Seed Company Pvt. Ltd (Hariyali), Sindhupalchowk	Private Org	Community Based Seed Production and Marketing through technology dissemination and business services to poor and DAG farmers in Sindhupalchowk district	Sindhupalchowk	Mr. Dhal Bahadur Bhandari	825.00	866.00	519.60	346.40	4.97%
25	5.03	Central	Sindhu Seed producer Cooperative Ltd (Sindhu) Sindhupalchowk	Private Org	Validation and dissemination of new and profitable maize varieties and technologies for improved food security and income of poor and DAGs in Dolakha, and Sindhupalchowk districts	Dolakha, S'Palchowk	Mr. Dhal Bahadur Bhandari	741.40	778.00	466.80	311.20	4.94%

Hill Maize Research Project (HMRP-IV): Yearly Plan of Operation 2014

SN	SGP Ref No.	Cluster	Partner's Name	Partner Type	SGP Title	Project location district(s)	Project Leader	Budget in 2013 ('000 NRs)	Budget for 2014 ('000 NRs)			% Change
									Total	First Installment	Second Installment	
26	5.09	Central	Everest Media Consults (EMC), Kathmandu	Private Org	Media Promotion of Hill Maize Research Project (MMRP) Phase IV		Mr. Rohit Dahal	730.80	767.00	460.20	306.80	4.95%
27	1.02	Eastern	Agriculture Research Station, Pakhribas, Dhankuta	NARC	Source seed production cum location specific varietal trial on maize	Dhankuta	Mr. Ram Narayan Chaudhary	1,000.00	1,050.00	630.00	420.00	5.00%
28	1.03	Eastern	Agriculture Research Station, Pakhribas, Dhankuta	NARC	Variety improvement of maize through Informal Research and Development (IRD) and Participatory Variety Selection (PVS) in eastern hills of Nepal	Khotang, Okhaldhunga	Mr. Ram Bahadur Katuwal	644.00	675.00	405.00	270.00	4.81%
29	1.04	Eastern	Agriculture Research Station, Pakhribas, Dhankuta	NARC	Up-scaling of QPM vegetable intercropping and composting technologies in Khotang and Okhaldhunga districts of Nepal	Khotang, Okhaldhunga	Mr. Ram Lal Shrestha	1,000.00	1,050.00	630.00	420.00	5.00%
30	1.05	Eastern	Agriculture Research Station, Pakhribas, Dhankuta	NARC	Community based seed production in Khotang and Okhaldhung districts of Nepal	Khotang, Okhaldhunga	Mr. Ajaya Ratna Bajracharya	1,000.00	1,050.00	630.00	420.00	5.00%
31	1.38 a	Eastern	Agriculture Research Station, Pakhribas, Dhankuta	NARC	(a) Up scaling of proven maize pest management and seed storage technologies in Khotang and Okhaldhunga	Khotang, Okhaldhunga	Mr. Ram Narayan Chaudhary	518.00	540.00	324.00	216.00	4.25%
32	1.38 b	Eastern	Agriculture Research Station, Pakhribas, Dhankuta	NARC	(b) Verification of conservation agriculture under maize based system through establishment of on-farm CA demo-trials in FAMPAR villages in Khotang and Okhaldhunga	Khotang, Okhaldhunga	Mr. Ram Bahadur Katuwal	550.00	575.00	345.00	230.00	4.55%
33	4.39	Eastern	Group of Helping Hands - (SAHAS- Nepal), Okhaldhunga	NGO	Improvement of farm household income by enhancing production, productivity and sustainability of maize and maize based cropping system	Okhaldhunga	Mr. Ajaya Karki	700.00	735.00	441.00	294.00	5.00%
34	4.47	Eastern	Downtrodden and Oppressed Society (DOS), Gorkha	NGO	Production of Quality Maize seed and enhancing the production of maize through the applications of maize production technologies	Ramechhap	Mr. Babu Ram Roka	577.50	605.00	363.00	242.00	4.76%
35	4.52	Eastern	EcoHimal Nepal (EcoHimal), Kathmandu	NGO	Improving the Food Security and Livelihoods in Northern Khotang District	Khotang	Mr. Ek Narayan Dhakal	735.00	770.00	462.00	308.00	4.76%
36	4.66	Eastern	Khotang Development Forum (KDF), Khotang	NGO	Improved maize promotion in Khotang	Khotang	Mr. Baburam karki	654.15	686.00	411.60	274.40	4.87%
37	1.47	Far-western	Agriculture Research Station, Doti	NARC	Improving existing food security situation of Doti and Achham district through increasing production of maize	Doti/Achham	Mr. Hari Kumar Prasai	1,250.00	1,250.00	750.00	500.00	0.00%
38	1.49	Far-western	Agriculture Research Station, Doti	NARC	Up scaling of proven maize pest management technologies and validation of Conservation Agriculture Based crop management technologies through establishment of on-farm CA trials in FAPAR Village in Dadeldhura	Doti	Mr. Hari Kumar Prasai	882.00	882.00	529.20	352.80	0.00%
39	4.41	Far-western	Social Upliftment through Participatory Programmes, Research and Training) Support Foundation, Kanchanpur (SUPPORT)	NGO	Scaling up and dissemination of best Bets technologies in Achham, Bajhang, Baitadi, Dadeldhura and Doti districts	Aacham, Bajhang, Baitadi, Dadeldhura, Doti	Mr. Prem R. Ojha	892.50	896.00	537.60	358.40	0.39%
40	4.42	Far-western	Social Upliftment through Participatory Programmes, Research and Training) Support Foundation, Kanchanpur (SUPPORT)	NGO	Strengthening Community Based Seed Producer (CBSP) groups and maize seed production and marketing in and Achham, Baitadi and Dadeldhura districts	Aachham, Baitadi, Dadeldhura	Mr. Prem R. Ojha	840.00	833.00	499.80	333.20	-0.83%
41	1.06	Mid-western	Agriculture Research Station, Dasharathpur, Surkhet	NARC	Increasing Food and Nutritional Security in hilly region of Surkhet district by Developing Quality Protein Maize (QPM) Village through Community Based Production	Surkhet	Mr. Anil Pokhrel	945.00	992.00	595.20	396.80	4.97%
42	1.07	Mid-western	Agriculture Research Station, Dasharathpur, Surkhet	NARC	On-Station Source Seed Production of Different Maize Varieties	Surkhet	Dr Tara Bahadur Chimire	945.00	992.00	595.20	396.80	4.97%
43	1.36a	Mid-western	Agriculture Research Station, Dasharathpur, Surkhet	NARC	Enhancing Maize productivity through improved agronomic management in the western hills of Nepal	Surkhet	Dr Tara Bahadur Chimire	525.00	552.00	331.20	220.80	5.14%
44	1.36b	Mid-western	Agriculture Research Station, Dasharathpur, Surkhet	NARC	Validation of CA based crop management technologies through establishment of long-term CA trials (on-station)	Surkhet	Dr Tara Bahadur Chimire	200.00	290.00	174.00	116.00	45.00%
45	1.09	Mid-western	National Ginger Research Program, Kapurkot, Salyan	NARC	Increasing the maize production through selection of high yielding varieties and seed production in mid-western hills of Nepal	Salyan	Mr. Govinda KC	525.00	551.00	330.60	220.40	4.95%
46	1.40	Mid-western	Agriculture Research Station, Dailekh	NARC	Promotion and dissemination of high yielding maize varieties in mid and far western hills of Nepal through IRD, FAT and PVS	Dailekh, Kalikot, Achham, Bhajang	Mr. Jhalak Dhakal	420.00	441.00	264.60	176.40	5.00%
47	1.41	Mid-western	Agriculture Research Station, Dailekh	NARC	Increasing availability of maize source seed through on-station and community based seed production program in mid hills of Nepal	Dailekh	Mr. Jhalak Dhakal	840.00	882.00	529.20	352.80	5.00%

Hill Maize Research Project (HMRP-IV): Yearly Plan of Operation 2014

SN	SGP Ref No.	Cluster	Partner's Name	Partner Type	SGP Title	Project location district(s)	Project Leader	Budget in 2013 ('000 NRs)	Budget for 2014 ('000 NRs)			% Change
									Total	First Installment	Second Installment	
	1.42	Mid-western	Agriculture Research Station, Dailekh	NARC	Adding to the living Standard of Maize Growers in the Mid-hills by Adopting Sustainable Maize Based Cropping System	Dailekh	Dr. T B Pun	578.00	607.00	364.20	242.80	5.02%
49	1.51	Mid-western	Agriculture Research Station, Dailekh	NARC	Validation of CA based crop management technologies through establishment of long-term CA trials (on-station)	Dailekh	Dr. T B Pun	200.00	210.00	126.00	84.00	5.00%
50	4.17	Mid-western	Youth Manpower Mobilization Centre (YMMC), Jajarkot	NGO	Strengthening Community Based Seed Production and dissemination of improved maize technologies and Varieties in the food deficit and GLS prone VDCs of Jajarkot District	Jajarkot	Mr. Amar Bahadur Khatri	787.00	826.00	495.60	330.40	4.96%
51	4.19	Mid-western	Youth Manpower Mobilization Centre (YMMC), Jajarkot	NGO	Dissemination of Improved Maize technologies and varieties to improve food and nutrition security of poor and disadvantaged farmers in the remote VDCs of Surkhet district	Surkhet	Mr. Amar Bahadur Khatri	682.00	716.00	429.60	286.40	4.99%
52	4.27	Mid-western	Forum for Rural Welfare and Agricultural Reform for Development (FORWARD Nepal), Chitwan	NGO	Improving Food Security through Community Based Seed Production Initiatives in Surkhet District	Surkhet	Mr. Deepak Aryal	735.00	771.50	462.90	308.60	4.97%
53	4.31	Mid-western	MADE-Nepal, Chitwan	NGO	Promoting improved maize varieties through participatory research and community based seed production in Maize-based farming systems in Dailekh district of Nepal	Dailekh	Mr. Bishnu Silwal	735.00	771.00	462.60	308.40	4.90%
54	4.32	Mid-western	MADE-Nepal, Chitwan	NGO	Promoting improved maize varieties through participatory research and community based seed production in Maize-based farming systems in Kalikot district of Nepal	Kalikot	Mr. Bishnu Silwal	735.00	772.00	463.20	308.80	5.03%
55	5.07	Mid-western	Global Agri-tech Nepal Pvt. Ltd. Banke (GATE Nepal), Banke	Private Org	CBSP and PVS of Maize for enhanced food security and farm income in selected VDCs of Jajarkot	Jajarkot	Mr. Gam Bahadur Gurung	655.60	689.00	413.40	275.60	5.09%
56	1.28	Western	Regional Agricultural Research Station, Lumle, Kaski	NARC	Improved Livelihoods through Community Based Maize Seed Production Program (CBSP) in Western Hills (CBSP)	Gulmi, Syangja, Palpa, Baglung	Mr. HP Pathak	1,050.00	1,102.50	661.50	441.00	5.00%
57	1.30	Western	Regional Agricultural Research Station, Lumle, Kaski	NARC	Promotion and dissemination of superior maize varieties in western hills of Nepal through FAT and IRD (FAT and IRD set preparation and transportation)	Gulmi, Syangja, Palpa, Baglung	Mr. Sudeep Subedi	715.00	750.75	450.45	300.30	5.00%
58	1.31	Western	Regional Agricultural Research Station, Lumle, Kaski	NARC	Promotion of profitable and environmentally sound technologies on maize based cropping system (ICT and Demonstrations)	Gulmi, Syangja, Palpa, Baglung	Mr. Tika Ram Chapagain	735.00	771.75	463.05	308.70	5.00%
59	1.33	Western	Regional Agricultural Research Station, Lumle, Kaski	NARC	On-farm and on-station source seed production of released and pipe-line varieties of maize in the western hills of Nepal (BS+FS production)	Gulmi, Syangja, Palpa, Baglung	Mr. Amrit P. Poudel	1,000.00	1,050.00	630.00	420.00	5.00%
60	1.35	Western	Regional Agricultural Research Station, Lumle, Kaski	NARC	Livelihood enhancement of the marginal farmers through the promotion and dissemination of superior maize varieties in the western hills of Nepal (FFT+PVS)	Gulmi, Syangja, Palpa, Baglung	Ms. Bihani Thapa	725.00	761.00	456.60	304.40	4.97%
61	4.22	Western	Center for Community Resource and Environmental Development, Nepal (CeCRED-Nepal), Parbat	NGO	Livelihoods improvements of resource poor and backward communities through promotion of profitable maize farming	Baglung	MS. Manisha Thakuri	630.00	661.00	396.60	264.40	4.92%
62	4.26	Western	Development Initiative Welfare Organization (DIWO), Syangja	NGO	Maize Technology Promotion and Dissemination among the Mid-hill Farmers Community of Western Region of Nepal	Syangja, Palpa	Mr. Shankar Prasad Gaire	787.49	826.00	495.60	330.40	4.89%
63	4.28	Western	Local Initiatives for Biodiversity, Research and Development (LI-BIRD), Kaski	NGO	Enterprising Community Based Seed Producer Groups in the Western Mid Hill Districts of Nepal	Gulmi, Palpa, Syangja and Baglung	Mr. Kamal Khadka	900.00	944.90	566.94	377.96	4.99%
64	4.29	Western	Local Initiatives for Biodiversity, Research and Development (LI-BIRD), Kaski	NGO	Demonstration and promotion of Maize Based Technologies in Western Mid-hill Districts of Nepal	Gulmi, Palpa, Syangja and Baglung	Mr. Kamal Khadka	780.00	818.00	490.80	327.20	4.87%
65	5.02	Western	SEAN Seed Service Center Ltd (SSSC), Kathmandu	Private Org	Contract maize seed production to improve livelihood of resource poor farmers in Baglung and other HMRP districts	Baglung	Mr. Damodar Poudel	800.00	840.00	504.00	336.00	5.00%
Total								61,522.44	64,575.98	38,745.59	25,830.39	4.96%

Hill Maize Research Project (HMRP-IV): Yearly Plan of Operation 2014

Annex 6: Detail budget for NARC SGP 2014, by budget head

SN	NARC Program/Station	4100	4110	4120	4130	4140	4150	4160	4180	4200	4210	4220	4230		Budget for 2014 (Rs'000)			Budget in 2013 ('000Rs)	% change
		TA/DA	Vehicle/fuel	Wages	Lab/Supply	Farm Supply	Books pubs.	Train.	Farm repair	Rent/Ser	Communication	Vehi. Rep.	Stationery	Contin-gency	Total	First Installment	Second Installment		
1	Agriculture Botany Division, NARC, Khumaltar, Lalitpur	250	27	700	-	300	22	48	-	-	-	-	18	-	1,365.00	819	546	1,300	5.0
2	Agriculture Research Station, Dailekh	375	147	438	20	715	95	135	-	80	40	10	85	-	2,140.00	1,284	856	2,038	5.0
3	Agriculture Research Station, Dasharathpur, Surkhet	465	225	907	60	844	130	105		60		5	25	-	2,826.00	1,696	1,130	2,615	8.1
4	Agriculture Research Station, Doti	556	154	126	90	408	47	433	125	36		125	32	-	2,132.00	1,279	853	2,132	-
5	Agriculture Research Station, Pakhribas, Dhankuta	1,322	549	1,020	66	1,232	136	540	-	-		-	75	-	4,940.00	2,964	1,976	4,712	4.8
6	CPDD, Khumaltar, Lalitpur	260	30	5	-	-	465	70	-	-		-	50	-	880.00	528	352	840	4.8
7	Hill Crops Research Program, Kabre, Dolakha	881	309	538	5	686	20	809	-	-		45	27	-	3,319.00	1,991	1,328	3,188	4.1
8	National Ginger Research Program, Kapurkot, Salyan	104	65	117	-	93	20	58	-	-	-	74	20	-	551.00	331	220	525	5.0
9	National Maize Research Program, Rampur, Chitwan	1,435	625	1,992	71	1,415	107	447	170	-	-	190	241	200	6,892.58	4,136	2,757	6,449	6.9
10	Regional Agricultural Research Station, Lumle, Kaski	1,060	386	890	29	1,205	340	385	-	40	-	-	101	-	4,436.00	2,662	1,774	4,225	5.0
	NARC Total	6,707	2,517	6,733	341	6,898	1,381	3,029	295	216	40	449	674	200	29,481.58	17,689	11,793	28,024	5.2

Annex 7: Detail Budget for CDD/DoA, SGP 2014, by budget head

SN	Activity	Unit	Activity Target	Budget Head								Total (NRs '000)		
				Travel cost	Central Level Monitoring	Supplies and material cost	Farmers' Field level training/ workshop cost	Vehicle rental, maintenance and/or fuel cost	Consulting services	Support to seed quality control	Reporting/ publication	1st Installment	2nd Installment	Total
1	Implementation of CBSP with post harvest storage support for marketing (Seed, fertilizers, equipments as super grain bag, metal bins etc)	Ha.	403	504		3,503	-	228	-	-	-	3,397	838	4,235
2	Conduction of PVS (Mother Baby Trials)	Set	22	145		163	-	5	-	-	-	208	105	313
3	Implementation of IRD	No.	10000	300		10	-	175	-	-	-	325	160	485
4	Implementation of intercropping demonstration	No.	100	200		200	-	16	-	-	-	280	136	416
5	Planning meeting with HMRP Partners	Times	20	-		-	100	-	-	-	-	100	-	100
6	Material Support for quality FYM/compost production	No.	90	-		360	-	-	-	-	-	360	-	360
7	Trainings	0	0	-		-	-	-	-	-	-	-	-	-
7.1	Training on Seed Production (On the spot)	Times	80	-		-	400	-	-	-	-	400	-	400
7.2	Training on post harvest handling and marketing	No.	80	-		-	400	-	-	-	-	-	400	400
7.3	District level training to CBSP groups on seed marketing plan, book keeping and leadership development	Times	20	-		-	1,000	-	-	-	-	1,000	-	1,000
8	Interaction workshop for Seed producers and traders (Marketing) /include HMRP partner in the workshop	No.	20	-		-	1,000	-	-	-	-	-	1,000	1,000
9	Information dissemination on quality seed of maize through media (Radio, Pamphlets, news paper etc.)	District	20	-		-	-	-	315	-	-	200	115	315
10	Crop cutting	No.	600	100		-	100	100	-	-	-	-	300	300
11	Maize food festival	Times	3	-		-	50	-	-	-	-	50	-	50
12	District Seed Coordination Committee (DSCC) Meeting	Times	40	-		-	400	-	-	-	-	200	200	400
13	Help circulate letter to all VDCs requesting local development officer to	Times	20	20		-	-	-	-	-	-	20	-	20
14	Ensure maize seed quality control (Truthful labeling/ Printed bags) in CBSPs	Group No.	39	120		-	-	-	-	513	-	276	357	633
15	District level Monitoring & Evaluation	Times	240	833		-	-	240	-	-	-	651	422	1,073
16	Report Preparation	No	20	-		-	-	-	-	-	100	-	100	100
17	Intraction workshop with District Agriculture Development Offices	Number	2	-	-	-	560	-	-	-	-	-	560	560
18	Report Preparation and publication	Times	1	-	-	-	-	-	-	-	55	-	55	55
19	Central level Monitoring & Evaluation	Districts	20	-	470	-	-	330	-	-	-	400	400	800
20	Seed quality control/Field inspection and Seed testing	districts	20	-	-	-	-	-	-	1,630	-	978	652	1,630
21	Regional level Monitoring & Evaluation	Districts	20	615	-	-	-	100	-	-	-	429	286	715
22	Office material cost	L.S.				505	-	-	-	-	-	245	260	505
	Total			2,837	470	4,741	4,010	1,194	315	2,143	155	9,519	6,346	15,865
												Budget in 2013		15,110
												% Change		5.00%

Annex 8: Activities and budget for NGOs, CBOs and Private Seed Companies 2013

SN	SGP Ref No.	Cluster	Partner's Name	Partner Type	Budget for 2014 ('000 NRs)			Budget in 2013 ('000 NRs)	% Change
					Total	First Installment	Second Installment		
19	4.18	Central	Asaahaya Upakar Kendra/Garden, (AUK) Kathmandu	NGO	725.00	435.00	290.00	660.00	9.85%
20	4.20	Central	Agri-Business and Trade Promotion Multipurpose Cooperative Ltd. (ABTRACO), Kathmandu	NGO	1,039.00	623.40	415.60	990.00	4.95%
21	4.40	Central	Technical Training & Research Initiative Khumaltar (TTRI), Lalitpur	NGO	682.00	409.20	272.80	660.00	3.33%
22	4.44	Central	Hill Development Council, Kathmandu (HDC), Dhading	NGO	606.00	363.60	242.40	577.50	4.94%
23	4.46	Central	Forest and Environment Protection Society (FEPS), Dhading	NGO	606.00	363.60	242.40	577.50	4.94%
33	4.39	Eastern	Group of Helping Hands- (SAHAS-Nepal), Okhaldhunga	NGO	735.00	441.00	294.00	700.00	5.00%
34	4.47	Eastern	Downtrodden and Oppressed Society (DOS), Gorkha	NGO	605.00	363.00	242.00	577.50	4.76%
35	4.52	Eastern	EcoHimal Nepal (EcoHimal), Kathmandu	NGO	770.00	462.00	308.00	735.00	4.76%
36	4.66	Eastern	Khotang Development Forum (KDF), Khotang	NGO	686.00	411.60	274.40	654.15	4.87%
39	4.41	Far-western	Social Upliftment through Participatory Programmes, Research and Training) Support Foundation, Kanchanpur (SUPPORT)	NGO	896.00	537.60	358.40	892.50	0.39%
40	4.42	Far-western	Social Upliftment through Participatory Programmes, Research and Training) Support Foundation, Kanchanpur (SUPPORT)	NGO	833.00	499.80	333.20	840.00	-0.83%
50	4.17	Mid-western	Youth Manpower Mobilization Centre (YMMC), Jajarkot	NGO	826.00	495.60	330.40	787.00	4.96%
51	4.19	Mid-western	Youth Manpower Mobilization Centre (YMMC), Jajarkot	NGO	716.00	429.60	286.40	682.00	4.99%
52	4.27	Mid-western	Forum for Rural Welfare and Agricultural Reform for Development (FORWARD Nepal), Chitwan	NGO	771.50	462.90	308.60	735.00	4.97%
53	4.31	Mid-western	MADE-Nepal, Chitwan	NGO	771.00	462.60	308.40	735.00	4.90%
54	4.32	Mid-western	MADE-Nepal, Chitwan	NGO	772.00	463.20	308.80	735.00	5.03%
61	4.22	Western	Center for Community Resource and Environmental Development, Nepal (CeCRED-Nepal), Parbat	NGO	661.00	396.60	264.40	630.00	4.92%
62	4.26	Western	Development Initiative Welfare Organization (DIWO), Syangja	NGO	826.00	495.60	330.40	787.49	4.89%
63	4.28	Western	Local Initiatives for Biodiversity, Research and Development (LI-BIRD), Kaski	NGO	944.90	566.94	377.96	900.00	4.99%
64	4.29	Western	Local Initiatives for Biodiversity, Research and Development (LI-BIRD), Kaski	NGO	818.00	490.80	327.20	780.00	4.87%
24	5.01	Central	Hariyali Community Seed Company Seed Company Pvt. Ltd (Hariyali), Sindhupalchowk	Private Org	866.00	519.60	346.40	825.00	4.97%
25	5.03	Central	Sindhu Seed producer Cooperative Ltd (Sindhu) Sindhupalchok	Private Org	778.00	466.80	311.20	741.40	4.94%
26	5.09	Central	Everest Media Consults (EMC), Kathmandu	Private Org	767.00	460.20	306.80	730.80	4.95%
55	5.07	Mid-western	Global Agri-tech Nepal Pvt. Ltd, Banke (GATE Nepal), Banke	Private Org	689.00	413.40	275.60	655.60	5.09%
65	5.02	Western	SEAN Seed Service Center Ltd (SSSC), Kathmandu	Private Org	840.00	504.00	336.00	800.00	5.00%
			Total		19,229.40	11,537.64	7,691.76	18,388.44	4.57%

Annex 9: Activities and budget for PMU (to support outcomes A and B)

SN	Activities	Budget for Jan-June 2014 (\$)	Budget for July to Dec 2014 (\$)	Total Budget for Jan to Dec 2014 (\$)
OUTCOME A: Hill maize farmers, especially from poor and disadvantaged groups, adopt new and profitable maize varieties and improved technologies to enhance productivity and marketing opportunities				
1	Supplementary support to CBSP groups to complete ongoing constructions	13,333	8,889	22,222
2	Small infrastructure support to HMRP Partners	17,400	11,600	29,000
3	Small equipment support to CBSP groups	6,088	6,088	12,176
4	Seed packaging, TL and market promotion support to 42 strategic CBSP groups	6,000	7,412	13,412
5	Documentation of successful HMRP case studies		3,889	3,889
6	Documentary on HMRP		3,333	3,333
7	Budget for IRD and PVS sets (including seed)	47,823		47,823
8	Learning and sharing events (Talk program)	1,111	1,111	2,222
	Sub-total (Outcome A)	91,756	42,322	134,078
OUTCOME B: National Seed Board, NARC and DoA enforce quality control through both public and private institutions				
1	Refresher training on seed quality control and certification	11,111	-	11,111
2	Crop inspection licensing test (SQCC/NSB)	-	5,556	5,556
3	Regional seed marketing workshops (5)	-	22,222	22,222
4	Training on institutional development & linkages for CBSP Groups w/ seed trading hubs & Companies	16,667	-	16,667
5	Reward to the 20 best CBSP groups, seed companies and Seed traders	-	5,000	5,000
6	Strengthening 20 District Seed Coordination Committees	11,111	11,111	22,222
7	Maize food diversification training to project beneficiaries and private entrepreneurs (4)	11,111	11,111	22,222
8	Training on crop modeling, biometrics and GIS for HMRP staff	5,556	-	5,556
9	Training on experimental design, survey, biometrics and statistics for NARC & DoA Officers	-	7,778	7,778
10	HMRP Annual Review Meeting- 2014	-	20,000	20,000
11	Professional development training for HMRP staff	-	1,667	1,667
12	Establishment of National Crop Improvement Consortium (NCIC)	1,389	4,167	5,556
13	Review National Seed Vision and develop action plan for NARC and concerned agencies	1,667	-	1,667
14	Assist NARC for M&E system development and SQCC for monitoring of the implementation of NSV	12,250	12,250	24,500
	Sub-total (Outcome B)	70,861	100,861	171,722
Grand Total (US\$)		162,617	143,183	305,800

Annex 10: Detail program and budget (US\$) for 2014 (including cost extension period)

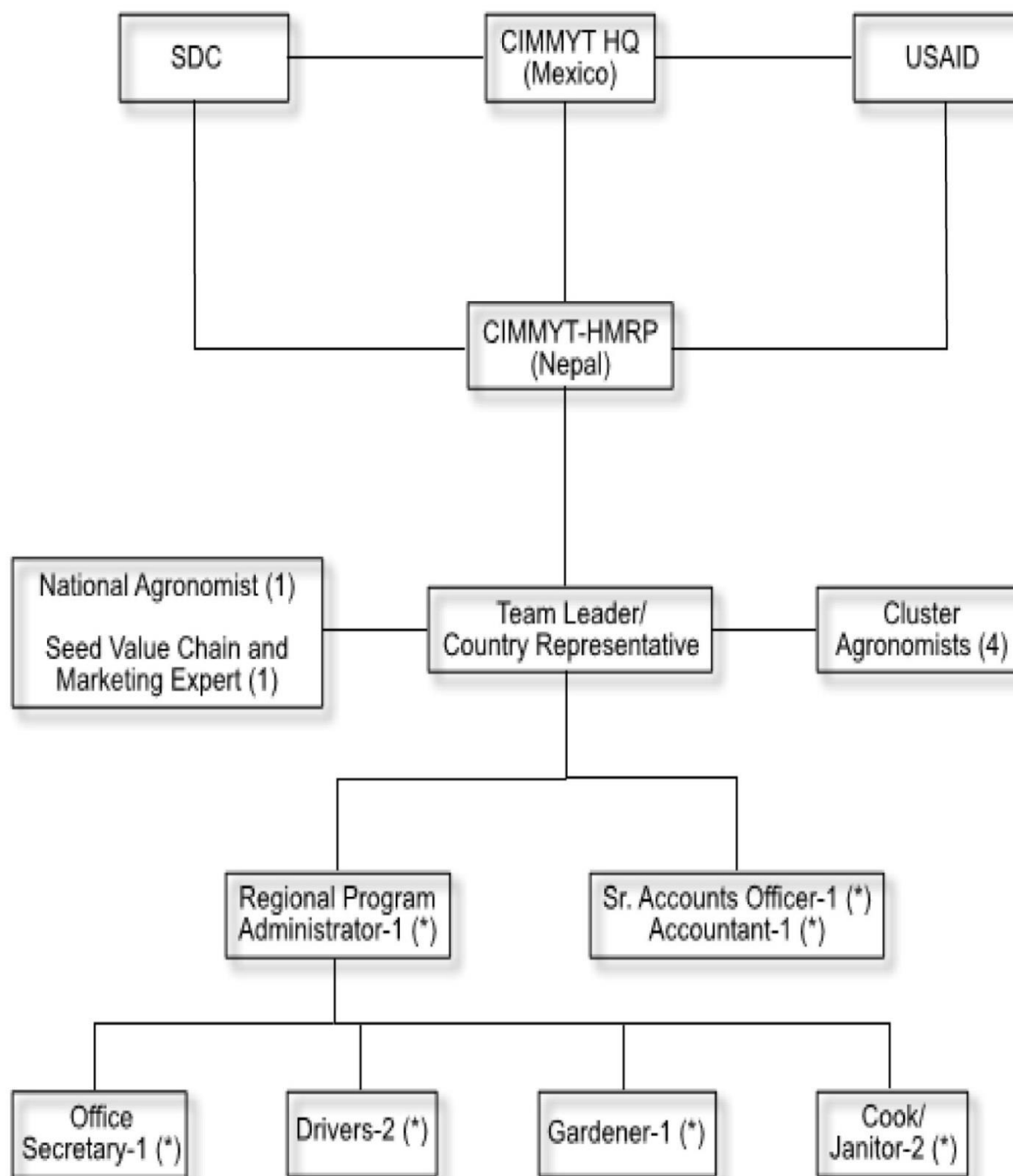
1 US\$=NRs 90.0

SN	Proposed outcomes and activities for Jan- Dec 2014	Estimated budget for Jan- July 2014 (\$)	Estimated budget for Aug to Dec 2014 (\$)	Total estimated budget for Jan to Dec 2014 (\$)
A	OUTCOME A: Hill maize farmers, especially from poor and disadvantaged groups, adopt new and profitable maize varieties and improved			
1	Budget for SGP 2014 (NARC, DoA, NGOs, CBOs) (60% first installment and 40% second)	402,166	315,345	717,511
2	Supplementary support to CBSP groups to complete ongoing constructions	13,333	8,889	22,222
3	Small infrastructure support to HMRP Partners (NARC, SQCC,CDD and NGOs)	29,000	-	29,000
4	Small equipment support to CBSP groups	6,088	6,088	12,176
5	Seed packaging, TL and market promotion support support to 42 strategic CBSP groups	6,000	7,412	13,412
6	Documentation of successful HMRP case studies		3,889	3,889
7	Short documentary on HMRP		3,333	3,333
8	Budget for IRD and PVS sets (including seed)	47,823		47,823
9	Learning and sharing events (Talk program)	1,111	1,111	2,222
	Sub-total (Outcome A)	505,522	346,067	851,589
B	OUTCOME B: National Seed Board, NARC and DoA enforce quality control through both public and private institutions			
1	Refresher training course on seed quality control and certification for scientists and agronomists from GOs, Private Sector and NGOs	11,111	-	11,111
2	Support SQCC/NSB to conduct seed sampling, analysis and crop inspection licensing test	-	5,556	5,556
3	Regional level seed marketing workshops (5 regions)	-	22,222	22,222
4	Regional level workshop/training on institutional development & linkages among primary CBSP groups (No 165), Strategic groups (No 42), Seed trading hubs (No 6) and Private Seed Companies (No. 3)	5,556	-	5,556
5	Travelling seminar for higher level officials	11,111	-	11,111
6	Reward to the 20 best CBSP groups, seed companies and Seed traders/Buyers (equipment, and certificate) during annual review meeting	-	5,000	5,000
7	Strengthening District Seed Coordination Committees (DSCC 20), Logistics, Training, registration, establishment of operational fund etc.	12,321	9,901	22,222
8	Maize food diversification training to project beneficiaries and private entrepreneurs (4 Nos)	22,222	-	22,222
9	Training on crop modeling, biometrics and GIS for HMRP staff	5,556	-	5,556
10	Training on experimental design, survey, biometrics and statistics for NARC & DoA Officers	-	7,778	7,778

Annex 10: Detail program and budget (US\$) for 2014 (including cost extension period)

11	HMRP Annual Review Meeting- 2014	-	20,000	20,000
12	Professional development training for HMRP staff	-	1,667	1,667
13	Establishment of National Crop Improvement Consortium (NCIC)	5,556	-	5,556
14	Review National Seed Vision and develop action plan for NARC and concerned agencies to achieve vision, milestones on seed sub-sector	1,667	-	1,667
15	Assist NARC for M&E system development and SQCC for monitoring of the implementation of NSV	24,500		24,500
Sub-total (Outcome B)		99,599	72,123	171,722
NRS EXPERT ASSISTANCE (FOR OUTCOME A & B)				
1.	Team Leader-1 and NRS Agronomist-1	49,620	33,080	82,701
2.	Cluster Agronomists-4	37,216	24,811	62,027
3.	Short term NRS consultants/interns	5,120	3,414	8,534
Sub-total (NRS cost)		91,957	61,305	153,262
C COMPONENT C: CIMMYT Mexico cost				
C.1	Expert assistance-IRS	24,650	17,850	42,500
C.2	Indirect cost	51,006	36,935	87,941
Sub-total (CIMMYT Mexico cost)		75,656	54,785	130,441
D COMPONENT D: CIMMYT NEPAL COST				
D.1	Travel	20,910	24,432	45,342
D.2	Services	6,285	5,285	11,570
D.3	Office support	28,539	28,539	57,078
D.4	Vehicle repair and maintenance	7,242	7,242	14,484
D.5	Equipment	11,555	11,555	23,111
D.6	Vehicles and motorbikes		-	-
Sub-total (CIMMYT Nepal cost)		74,531	77,053	151,585
Grand Total (US\$)		847,265	611,334	1,458,599

Annex 11: Organizational structure



(*) = Partial support from HMRP

Annex 12: Partners and their presence 2014

SN	Partners	SGP (No)	Presence of Partners in districts																				
			Aacham	Baglung	Baitadi	Bajhang	D/dhura	Dailekh	Dhading	Dolkha	Doti	Gulmi	Jajarkot	Kalikot	Kavre	Khotang	O/dhunga	Palpa	R/ichhap	S/chowk	Surkhet	Syangja	Chitwan
A	NARC (13 districts)																						
1	Agriculture Botany Division, NARC, Khumaltar, Lalitpur	2								✓				✓					✓				
2	Agriculture Research Station, Dailekh	4						✓															
3	Agriculture Research Station, Dasharathpur, Surkhet	4																		✓			
4	Agriculture Research Station, Doti	2	✓				✓				✓												
5	Agriculture Research Station, Pakhribas, Dhankuta	6													✓	✓							
6	CPDD, Khumaltar	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	Hill Crops Research Program (HCRP), Kabre, Dolakha	5								✓					✓				✓				
8	National Ginger Research Program, Kapurkot, Salyan	1																			✓		
9	National Maize Research Program, Rampur, Chitwan	9						✓		✓	✓	✓					✓			✓	✓	✓	✓
10	Regional Agricultural Research Station, Lumle	5		✓							✓						✓				✓		
B	DoA- CDD (20 DADOS-20 districts))	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
C	NGOs/CBOs/Cooperatives/ Companies																						
1	Agri-Business and Trade Promotion Multipurpose Cooperative Ltd. (ABTRACO), Anamnagar, Kathamandu	1							✓														
2	Asaahaya Upakar Kendra/Garden, Kathmandu	1													✓								
3	Center for Community Resource and Environmental Development (CeCRED) -Nepal	1		✓																			
5	Development Initiative Welfare Organization (DIWO)	1															✓				✓		
6	Downtrodden and Oppressed Society, Gorkha	1																✓					
7	EcoHimal Nepal, Kathmandu	1													✓								
8	Forest and Environment Protection Society	1							✓														
9	Forum for Rural Welfare and Agricultural Reform for Development (FORWARD Nepal)	1																		✓			
10	Group of Helping Hands- (SAHAS) Nepal	1														✓							
11	Hill Development Council, Kathmandu	1							✓														
12	Khotang Development Forum	1													✓								
13	Local Initiatives for Biodiversity, Research and Development (LI-BIRD)	2									✓						✓				✓		
15	MADE-Nepal	2						✓					✓										
16	SUPPORT (Social Upliftment through Participatory Programmes, Research and Training) Foundation	2	✓		✓	✓	✓	✓		✓													
17	Technical Training & Research Initiative Khumaltar, Lalitpur	1												✓									
18	Youth Manpower Mobilization Centre (YMMC), Jajarkot	2										✓								✓			
19	SEAN Seed Center/ SEAN	1		1																			
20	Everest Media Consults (EMC)	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
21	Global Agri-tech Nepal Pvt. Ltd, Banke	1										✓											
22	Hariyali Community Seed Company Ltd and Sindhu Tuki Seed Cooperative, Thumpakhar Sindhupalchowk	1																	✓				
23	Sindhu Seed producer cooperative Association, Sindhupalchok	1								✓													
	Grand Total	65																					

Annex 13: Meeting between USAID and SDC

Date: May 9th 2013
Venue: Swiss Embassy
Presence: Jean-Francois Cuenod, John Stamm, Yamuna Ghale, Evan Meyer and Navin Hada

Decisions:

- Cost extension of HMRP for 6 months in order to incorporate evaluation recommendation in the next phase plan
- There will be only one evaluation called “External Evaluation” of HMRP led by international consultant with the support from national consultants.
- GON personnel will be involved in the evaluation
- USAID will fund the evaluation and SDC will fund the follow on design for the next phase. However, both institutes will collaborate in the evaluation and planning phases.
- Call special steering committee meeting in order to get buy-in from GON
- A small task force comprised of USAID, SDC and GON to be formed in order to steer the evaluation and planning process
- Both USAID and SDC are open to new approaches in the follow on phase. However, both institutions need to discuss openly their institutional approaches and strategy to ensure that we all are on the same page.
- Both the institutions need to determine funding availability for the next phase
- Discussion has to take place as which institutions will be targeted to implement the next phase. Will CIMMYT still be the implementing organization or switch to other actors? One possibility is USAID expanding the CBSP model through the KISAN program and/or Nepali organizations.
- Award process of potential Phase 5 needs to be through the tender process based on SDC requirements. However, if CIMMYT remains the implementing organization, USAID could make a non-competitive award.
- The possibilities of geographic expansion, technological advancement, market facilitation are some of the open issues that needs to be discussed and agreed among SDC and USAID based on review mission recommendations

Annex 14: Meeting Notes on Strategic Issues Regarding HMRP IV/CIMMYT

Date: 17th May 2013

Time: 3:00 to 4:00 PM

Venue: SDC, Ekantakuna, Lalitpur

Participants:

Mr. Jean-François Cuénod (**CJF**), Head of Cooperation, SDC

Ms. Yamuna Ghale (**YAG**), Senior Program Officer, SDC

Mr. Navin Hada (**NH**), AID Project Development Specialist

Mr. Evan Meyer (**EM**), Agriculture Officer, USAID-Nepal

Dr. G. Ortiz-Ferrara (**GOF**), TL, HMRP/CIMMYT

Mr. Nirmal Gadai (**NG**), Agronomist, HMRP/CIMMYT

Dr. Dilli K.C. (**DKC**), Seed Value Chain and Marketing Expert, HMRP/CIMMYT

Background introduction

GOF gave a brief summary of the progress being made in HMRP Phase IV so far. Several phase IV milestones have already been achieved and significant progress has also been made in the areas of germplasm development, community based seed production, gender and social inclusion, conservation agriculture/crop management, seed marketing, capacity and team building.

GOF presented the following proposed components/ strategies for potential inclusion in the anticipated new Phase V.

1. **Hybrid maize technology** in close collaboration with the national partners of Nepal (NMRP/NARC, CDD/DoA, SQCC, etc.)
2. **Nutrition-** release and promotion of QPM varieties including implementation of the QPM village concept in strategic locations of the hills
3. **Conservation Agriculture** - Agri. mechanization (Agri Engineer), soil/water conservation and other crop management technologies to enhance system's sustainability/resiliency and profitability in the face of climate change and climate variability
4. **Post harvest technology** - Minimization of post harvest losses through validation and dissemination of seed drying beads and super grain bags technologies
5. **Climate Change** - development, identification and promotion of heat, drought and low N tolerant varieties
6. **Value added maize** - Baby corn, sweet corn, pop corn
7. **Capacity development/HRD of national partners** - Training with emphasis on ToT
8. **Marketing:** (i) Seed- (contract seed production) and (ii) Grain marketing (poultry feed-hybrid maize in terai)

Other strategic issues for the potential new phase V:

- **Geographical area:** HMRP/CIMMYT is open to revise districts/VDCs coverage, including possibility of work in the Terai (especially for hybrids maize technology)
- **Budget:** New phase to have approximately US\$ 1 to 1.5 million as additional funds (i.e. HMRP-V to have around US\$ 7 million as new phase budget)
- **Donors:** Possibility to invite a third co-donor
- **Support to other countries:** Possible inclusion of Bhutan in the potential next phase of HMRP. Official requests have been made by the Government of Bhutan to be included. Agro-ecologies and agricultural constraints between Bhutan and Nepal are very similar. HMRP/CIMMYT has been helping the National Maize Research Program of Bhutan for the past 7-8 years but formal collaboration needs to be discussed further.

Highlights of discussions:

- **CJF:** USAID and SDC have jointly decided to extend the current Phase IV until December 2014 (six months cost extension). This would allow to incorporate evaluation recommendations in the next phase plan
- **CJF:** Both donors have agreed to conduct an external evaluation of HMRP-IV led by an international consultant with the support of national consultants
- **CJF:** Evaluation of HMRP IV to be conducted during November or December 2013
- **CJF:** For the simplified administrative purpose, USAID will fund the evaluation and SDC will fund the follow on design for the potential new phase. Both donors will collaborate in the evaluation and design/planning phases
- **CJF:** Both donors agreed to call for a special steering committee meeting in order to get buy-in from GoN
- **CJF:** Both donors agreed to form a small task force (STF) constituted by USAID, SDC and GoN. The STF would be used to facilitate the evaluation and planning process
- **CJF:** Both donors are open to new approaches in the follow on phase. However, both institutions need to discuss openly their institutional approaches and strategy to ensure that all involved are in the same page
- **CJF:** Both the institutions need to determine funding availability for the next phase
- **CJF:** Discussion has to take place between SDC and USAID as to which institutions will be targeted to implement the next phase. Will CIMMYT still be the implementing organization or switch to other actors? One possibility is USAID expanding the CBSP model through the KISAN USAID-funded program and/or Nepali organizations
- **CJF:** Award process of potential Phase V needs to be through the tender process based on SDC requirements. However, if CIMMYT remains the implementing organization, USAID could make a non-competitive award
- **CJF:** The possibilities of geographic expansion, technological advancement, market facilitation are some of the open issues that need to be discussed and agreed among SDC and USAID based on the recommendations of the evaluation team
- **CJF:** Regarding future leadership of the project after GOF's retirement in January 2014, one of the options would be for GOF (based on his own personal interest), to continue helping HMRP IV as a consultant/advisor until the end of the phase. Under this option, a national staff could take over as TL and GOF would play an advisory role. Other responsibilities would include providing support to the project in bidding for Phase V funds and helping prepare the next phase project document.
- **GOF:** Another possible option could be for GOF to become a CIMMYT consultant after his retirement and having an advisory role to the new TL either a national staff or an expatriate. These options (and possible others) need to be further discussed between SDC, USAID and the GMP Director of CIMMYT since apparently, both donors would not support the idea of an expatriate TL and expatriate consultant at the same time
- **NG:** Discussed on the importance of hybrid maize technology and its urgent need for Nepal. He emphasized the importance of GOF's involvement in HMRP for transferring key knowledge to the succeeding Leader in the project and assist for succession planning for the current phase. He informed that this concern has already been shared with the DDG-CS of CIMMYT during his visit to Nepal in April 2013
- **DKC:** Fully supported the ideas of GOF and NG and briefed SDC and USAID on the marketing issues particularly on initiation of pre-sowing seed contracts. He also strongly put-forward the need for continued involvement of GOF in the project after his retirement (end of

January 2014), at least to complete this phase, and for helping to prepare the project proposal for the anticipated Phase V. This will be a crucial period for the project, he added

- **NH:** Discussed on project evaluation process and said it will be in joint arrangements between SDC and USAID. Based on the findings and recommendations of the evaluation team, future programs and strategies will be designed for the anticipated Phase V
- **EM:** GOF's inputs as consultant after his retirement till December 2014 can be made in intermittent basis, i.e. not necessarily to be here in Nepal all the time, he could provide advice to the project from Mexico through Skype and other means of communication
- **YAG:** Put forward two queries. (i) What will be the role of GOF during the consulting period, would he be only a Consultant or would he continue with his CLO responsibilities for CIMMYT?, (ii) CIMMYT considers HMRP as a flag- ship project, what would be CIMMYT's contribution for the anticipated new phase?
- **GOF:** Appreciated the news from both donors regarding the extension of HMRP until December 2014 (six months cost extension). This will help the project to complete the maize cycle of 2014. He also welcomed the donors support for hybrid maize technology. He suggested all these strategic issues to be further discussed with the GMP Director of CIMMYT
- The meeting was ended with the remarks of CJF thanking the HMRP team for their efforts in making the project a success. He also thanked all attendees of the meeting.

Annex 15: Meeting Minute

Date: 12th February 2014

Time: 10:00 to 12:00 PM

Venue: SDC, Ekantakuna, Lalitpur

Participants:

- Ms. Yamuna Ghale (**YAG**), Senior Program Officer, SDC
- Mr. Evan Meyer (**EM**), Agriculture Officer, USAID-Nepal
- Ms. Pramila Shrestha (**PS**), Finance Controller, SDC
- Mr. Phub Dorji Tamang, Finance Controller, SDC
- Mr. Rajib Shakya, Finance Analyst, USAID
- Mr. Nirmal Gadai (**NG**), Team Leader, HMRP/CIMMYT
- Dr. Dilli K.C. (**DKC**), Seed Value Chain and Marketing Expert, HMRP/CIMMYT
- Mr. Binaya Parajuli (BP), Finance and Administration Officer, CIMMYT, SARO

Background introduction

YAG welcomed to all participants and briefed on the following agendas of the meeting:

- Discuss on the status of the YPO 2014
- Discuss on proposed extension of HMRP IV
- Discuss on financial statement format and necessary information
- Discuss on possible advisory support of Dr. G.O. Ferrara in the HMRP IV
- AoB

Major highlights of discussions:

1. **NG:** He appreciated the SDC and USAID for calling this meeting on time. He informed that 70% work of YPO 2014 preparation has been completed. He also informed that TC meeting has been scheduled for 28 February 2014 at 10:30 AM to 12:30 PM at CIMMYT Office, Singha Durbar Plaza where the YPO-2014 will shared and discussed. NG presented the revised outcome and output based budget summary (total phase budget, expense as of December 2013, and estimated budget for 2014) including budget for cost extension period of August to December 2014 (5 months) (Analysis attached). He mentioned that, this year TC meeting has brought in advance to facilitate timely approval of YPO. He also presented details of the activities planned for 2014 covering both regular and cost extension period.
2. **YAG:** Suggested to include additional activities such as documentation of success stories, making short documentary film covering powerful stories, strengthening capacity of Central and Regional Seed Testing Laboratories, professional development training for HMRP staffs so to capitalize the HMRP learning in different forms.
3. **EM:** Appreciated the proposal of YAG and suggested to collaborate with USAID media team while preparing video documentary film and he added that these activities will be value addition to justify cost extension of HMRP. He also suggested organizing learning and sharing events.
4. **YAG:** HMRP Evaluation: Informed that Dr. Shree Ram Ghimire and Mr. Ram Babu Adhikary nominated as counterpart member from MoAD for ongoing HMRP evaluation team.
5. **YAG:** Requested NG to manage a meeting room for multiple uses for HMRP evaluation team at NARC, HQs as required. The request is made to remain the review team closer to NARC for the updates and ownership of the process as well logistically the central point for all to meet. However the most preferred venue would be the MoAD itself.
6. **DKC:** Informed about new training on maize recipe preparation (varieties of maize base food preparation/ consumption diversification) targeting to project beneficiary farmers and private entrepreneurs in Doti, Surkhet, Baglung/Gulmi, Sindhupalchowk districts during 2014.
7. **PS:** In overall satisfied with the project balance sheet for the cost extension period and suggested to analyze more on NRS and Component C (CIMMYT Mexico cost proposal). She

also asked HMRP team to take lead role reflecting HMRP budget of 2014 in GoN Red Book as it was reflected in 2013.

8. **YAG:** while reviewing the budget proposal as presented by NG, it was not clear about any possible adaptations made in budget due to the changed responsibility of NG. In the context of new responsibility of NG as Team Leader, if the cost analysis could cover the expected changes from CIMMYT, should adopt in the possible revised salaries and benefit of NG. She requested CIMMYT to finalize NG's new ToR and salary/benefit package so that YPO including the cost extension decision will be more accurate and timely. Otherwise, any decision if comes later will have difficulty to accommodate once the YPO is approved by the Steering Committee.
9. **EM/PS:** Both agreed on this and suggested to finalize cost extension proposal accordingly
10. **Rajib:** Suggested to hold a meeting with CIMMYT Finance Manager to look for possibilities to synchronize the HMRP cost heading with USAID budget head. Rajib Ji to learn from previous USAID Finance office to know the practice until now.
11. **BP:** Briefed about the process of preparing financial reports and balance sheet from the CIMMYT HQs. He agreed to hold a meeting with USAID solving the issues raised by Rajib Ji.
12. **YAG and EM:** Proposed working days and activities for involvement of GoF as shared by CIMMYT is quite generic and ambitious). They suggested the team to critically assess the actual areas of need for strategic support only with clearly delineated tasks and prepare the ToR for him..
13. **NG:** Informed about the likely staff turnover in Kaski and Dadeldhura Cluster office. He also said that HMRP management is exploring possibilities to fulfill those anticipated vacant position of Cluster Agronomists. EM suggested some technical staffs of WFP who are going to layoff soon, if they fulfill HMRP's requirement can talk to them. DKC, suggested possibility of giving those responsibilities to currently working HMRP interns with some added benefits, since they are already familiar with HMRP's activities and its partners. Agreeing on this, YAG and EM suggested considering them for professional role rather than intern
14. **NG:** Briefing on the new initiatives that HMRP is taking currently, he mentioned that discussions are going on with IFPRI to collaborate on the seed policy reforms and implementation of Seed Vision (2013-2025) and strategic engagement with USAID supported agricultural projects such as Suaahara, (nutrition project), KISAN and CSISA-NP towards up scaling HMRP innovations. He also mentioned discussion is going on in HMRP to initiate forming a National Crop Improvement Consortium (NCIC) to enhance access to germplasm and new technologies by Private Seed Companies from NARC, CG centers including getting membership of IMIC- ASIA.
15. **YAG+EM:** They suggested including these two initiatives in proposed cost extension proposal.
16. **YAG:** Suggested HMRP team to propose new date for the SC Meeting to minimize the gap between the TC and SC meeting and also to facilitate the timely approval of YPO and cost extension proposal.

Finally, it was agreed that HMRP tem will revise YPO and the cost extension proposal covering the issues and suggestions of this meeting. Further discussion on this will be made in the forthcoming TC and SC. The meeting was ended with the remarks of YAG thanking all participants of the meeting.

Annex 16: Minutes of 5th Technical Committee Meeting

Hill Maize Research Project Phase IV (HMRP IV) Minutes of 5th Technical Committee Meeting

HMRP-CIMMYT-SARO, Singha Durbar Plaza, Kathmandu
(28th Feb 2014)

Background

The project document of HMRP Phase IV, provisions a Technical Committee (TC), Co-chaired by the ED of NARC and DG of DoA, to guide the implementation of the HMRP. This committee is composed of representatives from NARC, DoA, NGO, SDC, USAID, SQCC/NSB, NSC Ltd, Private Seed Companies, and CIMMYT Intl. The Technical Committee meeting is held to brief members on the technical progress made by the project, review the Outcomes Monitoring Summary (OMS) of the previous year, to assess and recommend for approval the Yearly Plan of Operation (YPO) and the budget for the forthcoming year. Its function is also to share and discuss other relevant issues for implementation by HMRP. To meet these objectives, the 5th TC meeting of HMRP-IV was conducted on 28th Feb 2014 (Friday) between 9:00 to 11:30 am at CIMMYT-SARO Conference Hall. The TC discussed and approved the proposed agenda set on mutual consent by HMRP, NARC, CDD, SDC and USAID.

Attendants

1. Dr. Dil Bahadur Gurung, Executive Director, NARC (Co-Chair)
2. Mr. Suresh Babu Tiwari, Officiating DG, DoA (Co-Chair)
3. Dr. Yagya P. Giri, Crop and Horticulture Director, NARC
4. Dr. Suroj Pokhrel, Program Director, CDD/DoA
5. Mr. Dila Ram Bhandari, Chief, SQCC/MoAD
6. Dr. Keshab Babu Koirala, National Maize Coordinator, NMRP/NARC (Member Secretary)
7. Ms. Yamuna Ghale, Senior Program Officer, SDC
8. Mr. Evan Meyer, USAID, Award Officer Representative (AOR)/HMRP
9. Mr. Durga Adhikari, General Secretary, SEAN
10. Dr. Ram Chandra Bhusal, VSP, CEAPRED
11. Ms. Priayambada Joshi, Agronomist, CDD/DoA
12. Mr. Nirmal Gadal, Agronomist, Agronomist and Team Leader, HMRP/CIMMYT
13. Dr. Dilli Bahadur KC, Seed Value Chain and Marketing Expert, HMRP/CIMMYT
14. Mr. Binaya Parajuli, Administration and Finance Manager, SARO/CIMMYT
15. Shanti Pandey, Intern, HMRP/CIMMYT

General

Mr. Nirmal Gadal, Team Leader, HMRP, welcomed all members of the TC Meeting and requested Dr. D. B. Gurung and Mr. Suresh Babu Tiwari to jointly chair the meeting. After chairing, Dr. D. B. Gurung congratulated Mr. Nirmal Gadal for his appointment as new Team Leader of HMRP IV and expressed his commitment to keep-up strong collaboration and support for the successful implementation of HMRP IV. He then presented the following meeting agenda for the approval by committee.

Agenda:

1. Review and approve the agenda – Co-Chairs
2. Outcome Monitoring Summary- 2013 and the way forward- N. Gadal, K.B. Koirala, S. Pokhrel, D. KC, Y. Ghale and E. Meyer
3. Yearly Plan of Operations and budget for 2014 – D. KC, N. Gadal, B. Parajuli, K.B. Koirala,
4. Provisional Plan and Budget for the Agreed Extended Period of HMRP-IV and Exit Strategy: N. Gadal and D. KC
5. AoB
 - Staff turnover in HMRP IV- N. Gadal

- HMRP's partners audit reports – B. Parajuli, P. Shrestha, R. Shakya, D. KC and N. Gadal
- Update on SDC Strategy 2013-17 – Y. Ghale
- Update on USAID Strategy on Food Security and Agriculture – E. Meyer

Agenda 1: Review and approve the agenda– Co-chairperson

Both Co-chairpersons reviewed the agenda and opened the floor for suggestions from all members to amend, add or delete in the proposed agenda. The committee collectively approved the agenda and granted permission to Mr. Nirmal to present **Agenda item # 2**.

Agenda 2: Outcome Monitoring Summary- 2013 and the way forward

Mr. Nirmal presented major achievements of HMRP and the impact made since its inception in the areas of germplasm exchange and development, source seed production, seed production under Community Based Seed Production (CBSP), agronomic interventions, gender equity and social inclusion (GESI), team and capacity building. He highlighted some examples of successes in maize R&D in Nepal where HMRP and partners had made contribution. These included- maize varietal development and release, new crop management technologies, increment in seed replacement rate and national maize productivity. Mr. Nirmal then presented the OMS of 2013 covering project indicators, base line information and current achievement against phase target. He informed that most of the targets set in 2013 were met or even exceeded and acknowledged and appreciated the dedicated works of all the project partners and fellow farmers. He also presented project milestones (such as maize varietal release and approval of two key policy documents on decentralized source seed production and integration of DISSPRO and CBSP) planned to be achieved in 2014. He informed that HMRP will continue closely working with NMRP, NSB and CDD to meet those milestones in 2014. Finally, he informed TC about the potential advisory role of former HMRP Team Leader Dr. Memo Ortiz Ferrara in the project and presented proposed ToR and estimated budget for this consultancy service.

Agenda 3: Yearly Plan of Operations (YPO) and budget for 2014

On completion of **Agenda 2**, the Co-chairpersons requested Dr. Dilli KC to present the Yearly Plan of Operation (YPO) and budget for 2014. Dr. KC briefed on the partners of HMRP IV, major activities and targets and budget proposed for 2014. He also explained the partner wise funding trend in HMRP IV (2010 to 2013). He also briefed TC on VDCs coverage, total number of beneficiaries, and amount of improved seed being produced and marketed through CBSP groups, number of testing and dissemination trials and research activities to be conducted during 2014. He explained in detail the Small Grants Project (SGP) scheme and the summary of activities proposed for project partners- R/ARS/NARC, CDD/DoA, and NGOs/CBOs, Seed Companies and private organizations for 2014. He informed that a total of 65 small grant projects (SGPs) from 32 partners have been selected for implementation in 2014. He informed TC that the proposed budget for 2014 (including for the agreed extended period) is US\$ 1,458,600. Of this total budget, US\$ 851,589 and \$ 171,722 are allocated for Outcome A and Outcome B respectively. Similarly, he mentioned that budget allocated for NRS expert assistance, CIMMYT Mexico cost and Nepal office cost are- \$ 139,024, \$ 144,679, and \$ 151,585 respectively. Dr. KC also informed that of the total US\$ 5,636,000 project budget, US\$ 847,265 is balance until December 2013. He proposed US\$ 611,335 for the cost extension period from August to December 2014 (65% SDC and 35% USAID).

Dr. KC also presented the partner wise budget allocation in 2014. Of the total SGP budget US\$ 717,511 of 2014 NARC shared 45.7% (US\$ 327,573); NGOs/CBOS/Private organizations/Seed Companies shared 29.8% (US\$ 213,660) and remaining 24.6% (US\$ 176,278) shared by CDD/DADO. Dr. KC also presented the actual fund flow analysis (FFA) of 2013 and forecast for 2014.

At the end, Dr. KC briefed TC on the improved maize seed production, marketing and pre-sowing seed contracts in HMRP IV. He informed that in 2013 a total of 223 CBSP groups and cooperatives produced 1,195 tons of improved maize seed and 21 tons foundation seeds of which nearly 52% (622 t) have already been sold/ distributed through various outlets such as seed companies, agro-vets,

DADOs, VDCs, own use, seed exchange etc. He also informed that of the total 207 tons pre-sowing seed contract about 110 t (53%) seed has already been collected by the respective contract traders.

Agenda 4: Provisional Plan and Budget for the Agreed Extended Period of HMRP-IV and Exit Strategy

Co-chairs requested Mr. Nirmal Gadai to present the agenda # 4. Mr. Gadai, presented the specific activities and budget for the cost extension period of HMRP IV. He briefed several strategic activities/initiatives and corresponding budget requirements.

Agenda 6: Any other Business (AoB)

Taking due permission from Co-chairpersons, Mr. Nirmal briefly introduced the other business issues like staff turn-over in the project; HMRP's partners audit reports on recommendation and compliance; update on SDC's strategy 2013-17; and USAID strategy on food security and agriculture.

Regarding **staff turn-over**, Mr. Nirmal informed TC that Mr. Ramesh Raj Puri, Cluster Agronomist based in Pokhara has resigned and approved effective from 5th Feb 2014. HMRP has already informed this issue to HQs. The project will initiate the hiring process soon. The second batch of intern will complete their tenure by 15th March 2014 and new batches will be hired following the proper procedures. Mr. Binaya Parajuli informed the TC that the auditor has recently submitted the **partners' audit report of 2012**. He thanked to all concerned for their support and collaboration in the audit process. Mr. Binaya said that the report is being analyzed. HMRP will do its best to support partners to comply with the issues raised by auditors. Ms. Yamuna Ghale briefed about the new agricultural projects that Swiss government will provide funding support. An entry proposal for Nepal Agriculture Market Development Programme has already been approved and consultants' team will prepare detail programme design during April-May 2014, Ms. Yamuna added. She requested all to provide possible support for this team. Ms. Yamuna also informed that there are other agricultural projects in the pipeline.

Discussion: After the presentation of Mr. Gadai, Co-chairs open the floor for discussion on the various agendas presented by HMRP team.

Dr. Suroj Pokhrel:

- Project need to consolidate the research findings especially on the maize-vegetable inter-cropping in the form of extension bulletin.
- Seed marketing- big shortage of improved maize seed in this year caused significant price increase from NRs 35 in 2013 up to NRs 90 in 2014. This might be due to the implementation of GoN seed subsidy in 2014 but it was not expected.

Ms. Yamuna Ghale:

- Congratulated the Nepalese team being capable of leading this important project and she re-affirmed for continuous support from SDC to this team as with the previous team.
- Suggested using the word "outcome" rather than "impact" while referring to project logical framework.
- Role of proposed IRS consultant should more on supporting to NARC and SQCC for their research and development agendas and the need for the HMRP team. Mentioned worthy to hear from NARC and DoA (receiver side) on the proposed work plan and ToR prepared by HMRP team. Requested to assess the working days so that project will not be over-burdened.
- Suggested to include strategies for working with the local bodies (DDC/VDC) and line agencies to support DPP and AFEC.
- HMRP should help NARC strengthening M&E system itself rather to support in preparing the report for one time.
- To avoid the stresses that HMRP staffs are already facing due to changed responsibilities and limited number of staff, suggested that the HMRP to use the services of local consultant as per of the need with clear ToRs with prior consultations within the team and relevant actors as required

- Need to cautiously work under the seed subsidy program of GoN (e.g. Mid-hill Mega Maize Production Program) in seed marketing...a challenge to general farmer with regard to price of the seeds, sustainability of seed system.
- Promoting and institutionalising leadership position of women in the Executive Committee of the CBSP group wherever is in reform process is important.
- Need to give high priority for women friendly mechanisation. The learning from agri-expo held in Chitwan could be of starting point to explore opportunities.
- Mr. Binaya Parajuli will prepare project balance sheet and actual required budget for the YPO including the additional requirement for the extended project period.
- Good to have short term consultancy support to set implementation plan for Seed Vision as requested by the SQCC and establish monitoring system at NARC.

Dr. Dil Bahadur Gurung:

- Yamuna Ji has raised very important concern regarding hiring of IRS consultant. the ToR and work plan should be discussed in detail among HMRP, NARC and CDD and finalize.
- Operational modality of proposed National Crop Improvement Consortium be critically discussed and finalized.
- Informed that NARC has given high priority for variety release process. Informed that three hybrid varieties of maize will be released by July 2014.

Mr. Dila Ram Bhandari et al.

- Highlighted that the persons who are present here today drafted the National Seed Vision. Now time has come for its implementation. He requested HMRP to support SQCC to facilitate the implementation of the seed vision by providing a short-term consultant in SQCC.
- HMRP has already supported on various equipment and infrastructures, now support should be provided in implementing the seed vision, he added. This issue was discussed with the secretary of MoAD, he further added.
- Women entrepreneurs who sell roasted maize on the street need to be supported by providing them appropriate varieties and technologies including roasting equipment
- Dr. D.B. Gurung added that in Thailand there are gas/ kerosene operated maize cob roaster, this can be introduced for demonstration in the major cities of Nepal
- Ms. Yamuna by supporting the above idea suggested that the HMRP team should initiate discussion with the CIMMYT HQs. She suggested to conduct a study on the status of women maize vendor in the major cities and the maize value chain.

Dr. K.B. Koirala

- Suggested HMRP to publish extension bulletin before the project phase out
- Informed that we really do not need a consultant to introduce hybrid lines in Nepal. This is being done by HMRP
- Support for NMRP should be for bringing modern techniques and development of HR capacity to use advance techniques in maize breeding

Dr. Y.P. Giri

- Referring to the YPO 2014 said that there is substantial amount of money under the IRS and NRS heading. Suggested to allocate more budget based on the outputs
- Consultant should be hired only for the specific task and we should be thoughtful while hiring international consultant
- Suggested HMRP to provide more details about the cost associated with hiring of IRS consultant

Dr. Ram C. Bhusal:

- Suggested to strengthen the trust between seed seller and buyer under pre-sowing seed contract

Mr. Durga Adhikari:

- Appreciated HMRP and its partners for their contribution in increasing the maize yield from 1.4 t in 1958 to 2.5 in 2012.
- Suggested to prepare a comprehensive document for National Crop Improvement Consortium.

Mr. Evan Meyer

- He appreciated the members for bringing issue on Memo's involvement in the project. ToR and work-plan should be prepared in such a way that there will be value addition out of the engagement of Memo. Given Memo's skills and knowledge, this should not be a problem. Let's identify what those are and use his time strategically.
- Be honest to share the data by project.

Finally, on behalf of the two Co-chairpersons and the TC members, Dr. Dil Bahadur Gurung thanked all members for their active participation. In closing remarks Dr. Gurung announced- the 5th Technical Committee Meeting recommends the proposed annual program and budget for 2014, Outcome Monitoring Summary 2013 and proposed plan and budget for the cost extension period of HMRP to be submitted to the Steering Committee for its approval. At the end he requested SQCC and NMRP to speed up the process of varietal release.

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Mr. Suresh Babu Tiwari
Officiating DG/DoA (Co-Chair)

.....
Dr. Dil Bahadur Gurung
ED, NARC (Co-chair)

.....
Dr. Keshab B. Koirala,
Coordinator, NMRP

.....
Mr. Nirmal Gadai, Leader/ HMRP
(Member Secretary)

Date: 28 February 2013 (Friday)

Annex 18: Minutes of 5th Steering Committee Meeting

Hill Maize Research Project Phase IV (HMRP IV)

Minutes of 5th Steering Committee Meeting

Ministry of Agriculture Development, Singha Durbar, Kathmandu
(2nd April 2014)

Hill Maize Research Project Phase IV (HMRP IV)
Minutes of 5th Steering Committee Meeting
Ministry of Agriculture Development, Singha Durbar, Kathmandu
(2nd April 2014)

Background

The project document of HMRP- IV provisions a Steering Committee (SC), Chaired by the Secretary, Ministry of Agriculture Development (MoAD) to guide the project in broader policy aspects. This Committee is composed of high level officials from Ministry of Agriculture Development (MoAD), National Planning Commission (NPC), Ministry of Finance (MoF), Department of Agriculture (DoA), Nepal Agricultural Research Council (NARC), National Maize Research Program (NMRP), SDC, USAID, and CIMMYT Intl. The role of this Committee is to review and approve the recommendations of the Technical Committee (TC) and provide necessary guidance for effective implementation of the project. The 5th SC meeting of HMRP-IV was conducted on 2nd April 2014 (Wednesday) between 4:30 to 6:30 PM in the Conference Hall of MoAD at Singha Durbar, Kathmandu.

Attendants

1. Mr. Jaya Mukunda Khanal, Secretary, MoAD
2. Mr. Uttam Kumar Bhattarai, Joint Secretary, M&E Division, MoAD
3. Mr. Birendra B. Hamal, DDG, DoA
4. Dr. Tek B. Gurung, Officiating E.D., NARC
5. Dr. Yagya Prasad Giri, Director, Crops and Horticulture, NARC
6. Dr. Keshab Babu Koirala, Coordinator, NMRP, NARC
7. Ms. Niru Dahal, Representing, DG, DoA
8. Mr. Dila Ram Bhandari, Chief, SQCC, MoAD
9. Dr. Suroj Pokhrel, Program Director, CDD, DoA
10. Mr. Ram Babu Adhikary, Senior M&E Officer, MoAD
11. Mr. Naba Raj Poudel, MoF
12. Mr. Jean-François Cuénod, Head of Co-operation, SDC
13. Ms. Yamuna Ghale, Senior Program Officer, SDC
14. Mr. John Stamm, Director, SEED, USAID, Nepal
15. Mr. Evan Meyer, Agriculture Officer, USAID, Nepal
16. Mr. Bharat P. Upadhaya, Executive Director, CEAPRED
17. Mr. Durga Prasad Adhikary, General Secretary, SEAN
18. Dr. Bishnu Dev Pant, ED, IIDS, HMRP Evaluation Team
19. Dr. Hari P. Upadhaya, IIDS, HMRP Evaluation Team
20. Ms. Ramrajya Joshi, IIDS, HMRP Evaluation Team
21. Dr. Krishna Ram Khadka, IIDS, HMRP Evaluation Team
22. Mr. Durga P. Acharya, IIDS, HMRP Evaluation Team
23. Mr. Manbar S. Khadka, IIDS, HMRP Evaluation Team
24. Mr. Nirmal Gadal, Team Leader, HMRP/CIMMYT Intl.
25. Dr. Dilli Bahadur KC, Seed Value Chain and Marketing Expert, HMRP/CIMMYT Intl.
26. Mr. Binaya Parajuli, CIMMYT Intl., SARO, Nepal
27. Ms. Shanti Pandey, Intern, HMRP/CIMMYT Intl.

HMRP-IV: Minutes of 5th Steering Committee Meeting (2nd April 2014)

General

Mr. Nirmal Gadai, Team Leader, HMRP IV welcomed and thanked the SC members for their efforts in attending this important meeting. He also informed SC about the changes of HMRP leadership effective from 1st Feb 2014. He clued-up that HMRP at this point of time needs augmented support and collaboration from partners and donors to sustain and increase the project's impacts. He also informed SC that due to urgent meeting of the Mr. Secretary he will join the meeting later. With this brief note, he requested Mr. Uttam P. Bhattra, Joint Secretary, MoAD to chair the meeting representing the Secretary Mr. Jaya Mukunda Khanal until his arrival. Mr. Bhattra kindly accepted the request. With due permission from the Chairman, Mr. Nirmal presented the Agendas for the 5th SC Meeting as below.

Agenda:

1. Review and approval of the Agendas- Chairman (10 min)
2. Brief on the 5th TC Meeting Minutes dated 28th Feb 2014- HMRP Team Leader (5 min)
3. Outcome Monitoring Summary 2013 and YPO 2014- N. Gadai and D. KC (20 min)
4. Sharing of HMRP-IV Review Findings- Evan Meyer and Yamuna Ghale (20 min)
5. Update on SDC Strategy 2013-17 – Mr. Jean-François Cuénod, Head of Cooperation, SDC (10 min)
6. Update on USAID Strategy on Food Security and Agriculture- Mr. John Stamm, Director, General Development Office, USAID (10 min)
7. AoB (10 min):
8. Remarks and Closing by Chairperson (10 min)

Agenda 1: Review and approve the agenda– Chairman

The Chairman approved the proposed agenda and requested Mr. Nirmal to present Agenda 2

Agenda 2: Brief on the 5th TC Meeting Minutes- Mr. Nirmal Gadai

Mr. Nirmal briefed to the SC about the discussed and agreed agendas of the 5th TC meeting held on 28th Feb 2014 at CIMMYT-SARO. He presented following summary of the decisions made by the 5th TC for approval by SC Meeting:

1. The Yearly Plan of Operation-2014 including provisional plan and budget for extended period of HMRP-IV agreed.
2. TC agreed to develop operational modality for the proposed National Crop Improvement Consortium (NCIC): P-P Consortium for Agricultural R&D.
3. The meeting authorized HMRP, NARC and CDD team to finalize proposed ToR and work plan for Dr. Memo Ortiz Ferrara (former HMRP Leader) as consultant in HMRP.
4. Team of HMRP, NARC, CDD and donors discussed and finalized the ToR and work plan for Dr. Memo as consultant.
5. TC suggested HMRP to support NARC to strengthen its M&E system.
6. TC suggested HMRP to support SQCC to develop implementation and monitoring plan for the National Seed Vision 2013-2025.

Agenda 3: Outcome Monitoring Summary 2013 and YPO 2014- Mr. NG and DKC

Mr. Nirmal presented the OMS 2013 by providing general information on HMRP IV (project districts, project funds, duration, HHs coverage etc.) and presented major achievements of HMRP against the phase target. While presenting the OMS 2013 he informed that in 2013 total marketable surplus seed was 1,216 against the annual project target of 1,000 t. He also informed that the project reached to 56,389 HHs against target of 35,000 HHs. Mr. Nirmal also informed that HMRP is currently working with 5,804 members in 223 CBSP groups. Of these groups 43 are strategic groups involved in commercial seed production (primary 180, secondary 37, and 6 regional seed traders). About 11,000 HHs are involved in QPM production. Regarding women and DAG beneficiaries he informed that the project has reached to 57% women and 64% DAGs represented in CBSP activities; and 62% women and 71% DAGs participated in maize R&D. He also informed that directives for decentralized source seed production has been prepared and is in under approval process. Referring to authorizing public and private sectors agronomists/breeders in seed quality control, he informed SC that HMRP has trained 78 participants (67 male and 11 female) in 2011 and 2012. These candidates will appear in the licensing test to be conducted by SQCC. Likewise, he informed that a total of 87 tons of source seed (BS+FS) has been produced by NARC stations (on-station and on-farm) and CBSP groups and operatives in 2013. He also reported that seven OPV maize varieties have been released and four (including yellow QPM) are in the process of release. HMRP is providing assistance for developing various policy guidelines (decentralized source seed production, National Seed Vision, harmonization of CBSP and DISSPRO to a new guideline with the tentative name-"Community Based Seed Self-sufficiency Program", he added.

Mr. Nirmal also informed that project's milestones that are yet to be achieved such as four OPVs-SQ99TLYQ-B (Yellow QPM), Arun 4, Arun-3 and Karnali-2; licensing test to Seed Sampler, Crop Inspector and Seed Analyst; directives for decentralized source seed production; and new seed production and marketing guideline on to harmonize and integrate DISSPRO and CBSP.

Mr. Nirmal also highlighted on the strategic initiatives that HMRP will undertake during 2014.

- Establish of National Crop Improvement Consortium (NCIC) to enhance access to germplasm and new technologies by private seed sector from NARC, CG Centers and IMIC-Asia
- Review of National Seed Vision document and prepare action plan for maize sub-sector
- Facilitate to introduce hybrid germplasm and nutritious maize (Pro-Vi A and QPM) in Nepal through Maize-CRP/GMP, NARC and Private Seed Company's collaboration
- Strengthen collaboration with relevant agricultural projects (VSP, HG, CSISA-NP, KISAN, IFPRI and Suahara)

Finally, Mr. Nirmal presented the ToR for Dr. G. Ortiz Ferrara as consultant in HMRP-

- Formation of National Crop Improvement Consortium (NCIC) to enhance access to germplasm and new technologies by private seed companies from NARC, CG Centers and IMIC-Asia
- Review National Seed Vision (2013-2025) and develop action plan for NARC and DoA to achieve vision's milestone for maize (hybrids and OPVs) release in Nepal
- Prepare CIMMYT's institutional response on external evaluation report of HMRP IV
- Writing HMRP IV End of Phase Report.

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Dr. KC presented the Yearly Plan of Operation (YPO) 2014 and informed that as in previous year the project will collaborate with 62 partner organizations (NARC 10; DoA/CDD/DADO 31; NGOs 16; Pvt Sector 5) to implement 65 small grant projects (SGPs) in 2014. He briefly discussed the major responsibilities of each partner. Dr. KC presented the major activities included in the SGP 2014 such as: varietal improvement- 7; variety maintenance- 17; PVS- 233; source seed production 90 tons; improved seed production (through 223 CBSP groups) 1,460 tons; various trials and demonstrations- 674; informal research and development kits 42,380; QPM village in 10 ha, and conservation agriculture trials at 10 different locations across the hills.

Dr. KC presented the financial plan for 2014 including for the agreed extended period of HMRP IV. He also presented a total of US\$ 1,458,600 budget proposal for 2014. He mentioned that a total of NRs 64,576 million has been proposed for 65 SGPs in 2014 (NARC 29,482; NGOs and private sector 19,229 and CDD/DoA 15,865 million rupees). Considering the project balance of US\$ 847,265 until December 2013, he reported that HMRP IV will require additional US\$ 611,334 for the extension period from August to December 2014. Presenting this Dr. KC also briefly discussed activities proposed for 2014 under each component of the project. He also informed that total cost proposal for international consultant is US\$ 42,500.

Dr. KC presented the Fund Flow Analysis (FFA) of the project primarily focusing on cost incurred under Outcome A and B of the project (nearly account 66% of total project expenditure). He also informed that HMRP budget (NRs 69.3 million) has been reflected in GoN Red Book FY 2070/71 and NRs 92.09 Million has been planned for FY 2070/71. Defining the DAG in HMRP Dr. KC presented the FFA in graphical form during 2010/11 to 2013/14 (forecast). Major areas of FFA presented were geographic, cluster district, DAG and gender perspectives. He informed that year 1 and 3 of HMRP involved comparatively large investment in the outcome A & B was mainly due to infrastructure support in year 2 and additional activities in year 4 and re-allocation of unspent budget to these components from other components. Similar trend was reflected in the graphical presentation.

Dr. KC informed that in 2013 about 1,216 tons improved maize seed was produced by 223 CBSP groups. Of this total marketable surplus seed about 1,023 tons (84.1%) was marketed/ distributed/ exchanged through formal and informal sector as of March 2014. He also informed that estimated marketable surplus seed for 2014 is 1,460 tons and expected sale is 95%.

Finally, Dr. KC informed that 113.16 tons of improved seed was traded out of total pre-sowing seed contract of 207.45 tons in 2013 (54.5%). Justifying to lower seed traded he informed that in most of the districts contracted seed volume has been diverted to DADO's Mid-hill Mega Maize Production Program (MMM-PP). This is also a collaborative effort of HMRP to support GoN's program, he added. He also informed that seed marketing will increase towards the end of sowing time since seed trading in western districts is still going on. Finally, Dr. KC informed that the project has targeted to facilitate signing pre-sowing seed contract of 300 tons between CBSP groups and traders in 2014, as of March 2014 a total of 187 tons of such contract has already been signed between 24 CBSP groups and 10 traders, he further informed.

The Secretary, MoAD joined the meeting mid-way of YPO presentation and chair the full remaining session. Upon the completion of YPO presentation the Chairperson opened the floor for discussion. Following were the major issues raised during the meeting.

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1. **Mr. Naba Raj Poudel**, Ministry of Finance (MoF): Asked about the cost extension of the project. He informed that project agreement should be amended accordingly.
2. **Mr. Jean-François Cuénod**, Head of Co-operation, SDC: He informed that the program and budget for 2014 including for the extended period of HMRP has been prepared through a common understanding between HMRP, donors and MoAD. Cost extension formalities will be done soon after the SC approves the YPO and budget. He informed that cost extension will be financed through the gained currency value. In the given scenario of staff turnover, would be good to review the proposed plan and keep the priorities accordingly.
3. **John Stann, Director, GDO/USAID**: He agreed on Jean-François Cuénod and informed that paper works have been initiated in USAID for the cost extension of HMRP. He put curries on adoption of CBSP approach by GoN program.
4. **Bharat Upadhyaya**, Executive Director/ CEAPRED: He put quarries on the linkages and types of support that HMRP is providing to primary, strategic and Regional Seed Centers. He also asked the percentage of HMRP budget to the total budget of NARC for maize R&D. He said that the idea of forming NCIC as an innovative and asked whether this consortium will be only for maize or for other crops as well. HMRP being technology driven project, he suggested HMRP to conduct study on adoption of new technologies and reposes of different categories of farmers (Caste/ethnicity, gender, food self-sufficiency level etc.) about the new technologies.
5. **Mr. Uttam Bhattarai** put queries on collaboration of HMRP with NSC Ltd to implement GoN's seed subsidy program. He requested HMRP team to explain why NSC could not be on-boarded in seed marketing produced by CBSP groups.
6. **Mr. Durga Adhikari**, SEAN: He asked whether HMRP collaborates only with the SDC and USAID funded projects or it is open to collaborate with other agricultural projects in Nepal. He suggested ToR of Dr. Memo should be considered by keeping the mandates at achievable level. He said that he should not be burdened with too many works in a short time.
7. **Dr. Suroj Pokhrel**, Director, CDD: On the quarries of John Stann, he informed that 20 DADOs are collaborating in HMRP to multiply and market seeds through CBSP. He suggested HMRP to expand the coverage in its next phase.
8. **Mr. B.B. Hamal, Deputy Director General, Planning, DoA**: HMRP team has done an excellent job in institutionalizing project learning in the GoN institution. Reflection of HMRP budget in the GoN Red Book is excellent news. Next shouldn't be limited to the hills rather it should be for the entire nations for both food and feed security.
9. **Mr. Uttam Bhattarai, Joint Secretary**: Evaluation report will be very important to plan the new program. Cost effectiveness and sustainability should be taken into account while formulating the new project.

With the permission of the chairperson, Mr. Nirmal Gadai responded to some of the pressing quarries made by SC members. He explained the following points-

1. Primary CBSP groups have production mandate, strategic CBSP groups have production and marketing mandate while Regional seed Centers have more marketing function. HMRP provide different supports to these groups as per of their focus.
2. Proposed NCIC will cover cereals crops but functioning will start from maize.
3. HMRP had hard time to deal with NSC Ltd in seed marketing. He informed that some of the pre-contracted seeds of CBSP group by NSC provided seed to the company. But due to administrative complexities and other unseen activities, one of CBSP groups had to bring back their seed from NSC office in Kathmandu to Sindupalchowk.
4. HMRP is open to collaborate with all the relevant projects in Nepal

Agenda 4: Sharing of preliminary results of HMRP- IV evaluation- USAID, SDC and IIDS-Evaluation Team

Mr. Evan Meyer briefed on the purpose and current status of external evaluation of HMRP IV and requested Dr. H.K. Upadhyaya (Team Leader) to present the preliminary findings. Dr. Hari K. Upadhyaya, on behalf of the evaluation team, presented the preliminary findings. During his presentation he covered the following aspects of the findings-

1. What is the contribution of HMRP towards maize seed production and commercial distribution in Nepal?
2. To what degree were the varieties *developed* by HMRP adopted by the farmers?
3. How successful was HMRP in engaging and contributing to the host country government at the central and local levels in project planning, implementation and monitoring?
4. How has HMRP supported work on policy provisions to support maize promotion in Nepal in terms of varietal and technological advancement, extension and scaling up to different geographic regions?
5. To what degree have participating institutions (GON, Cooperatives, NGOs and the private seed companies) demonstrated capacity to sustain program activity once funding ends, bearing in mind the transformation of the agriculture economy taking place because of population dynamics such as internal mobility and outmigration of youths from rural areas?
6. How cost effective is the project management and the institutional control management system?
7. From the vantage point of Nepal Agriculture Development Strategy and its Three Year Plan, what opportunities exist beyond the current scope for new intervention area/s that would enhance the impact of HMRP (both geographic and thematic)?

Agenda 5: Update on SDC Strategy 2013-17, Jean-François Cuénod, Head of Co-operation, SDC

Mr. CJF congratulated HMRP team and the partners for doing excellent works to achieve the successes. Referring to the presentation of evaluation team, he said that sustainability especially the partners' capacity to sustain the HMRP activities is worrying. He informed that SDC will soon initiate the amending bilateral agreement with GoN and CIMMYT as per the proposed and approved programme and budget. Considering the staff turnover in HMRP, he suggested team to assign works to short term consultant and prioritize the works and focus efforts accordingly. He appreciated the supports of the national partners in HMRP and said that without their cooperation success of HMRP would not be possible. He informed that the evaluation report will serve as basis for the formulation of other new programs of SDC which will start from April.

Agenda 6: Update on USAID Strategy, Mr. Joh Stamm, Director, SEED, USAID/Nepal

Mr. John Stamm said that HMRP has an excellent team work culture. USAID considers HMRP as a highly successful and low cost project in Nepal. He congratulated the team on this success. He informed SC that HMRP perfectly into the USAID's strategy "Increase resilience and Reduce Poverty". He also highlighted about the ongoing projects and new projects under FtF initiative. He mentioned that USAID is interested to finance for the next phase of HMRP. Program design will be done after the external evaluation report comes out and this part will be led by SDC. Finally, he suggested HMRP team and partners to keep up the good work.

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Agenda 7: Remarks and Closing by Chairperson

The Chairman, Mr. Jaya Mukunda Khanal thanked Mr. Uttam Bhattra for chairing the initial sessions of the meeting. He also thanked the project team for their good presentation and comprehensive responses to all queries raised during the open discussion forum of the meeting. He urged that as in previous days the HMRP should closely worked with NARC, DoA and related stakeholders. Mr. Khanal put forward the minute of the 4th TC to the floor for its review, comment and approval. Since no disagreements were raised by the members of the SC committee, Mr. Khanal said declared the following recommendations made by the 5th TC meeting are approved.

1. The Yearly Plan of Operation-2014 including provisional plan and budget for extended period of HMRP-IV agreed.
2. Developing Operational modality for the proposed National Crop Improvement Consortium (NCIC) approved
3. ToR and work plan for Dr. Memo Ortiz Ferrara (former HMRP Leader) as consultant in HMRP approved.
4. SC authorized HMRP to support NARC to strengthen its M&E system.
5. SC authorized HMRP to support SQCC to develop implementation and monitoring plan for the National Seed Vision 2013-2025.

Before closing the meeting, the Chairman thanked the project donors, the SDC and the USAID, for their good support for food security mission of the GoN and look forward continued support in future. Finally, the chairman thanked to all members of the Steering Committee.

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Mr. Jaya Mukunda Khanal, Secretary,
Ministry of Agriculture Development (MoAD)
Singhadarwar, Kathmandu

7th April 7, 2014

.....
Nirmal Gadai, Team Leader
Hill Maize Research Project/CIMMYT
Kathmandu

7th April 7, 2014