

CHENGMARI GEWOG
NINTH PLAN
(2002-2007)



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ROYAL GOVERNMENT OF BHUTAN

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1. CURRENT SITUATION

Chengmari gewog has 533 households covering an area of approximately 113 square kilometers. It has one Primary School, one Basic Health Unit and one Range Office.

Wetland is predominant, which accounts for about 989 hectares of total land areas. The gewog is well connected with road network and has good access to both Indian and domestic markets. The gewog has great potential for farm mechanization and double cropping of paddy if irrigation infrastructure is built.

Gewog's humid and sub-tropical climatic condition favours horticulture activities and this activity accounts for 138 hectares of total land area. At present the gewog is confined to the production of orange, cardamom, ginger and areca nut only and people of the gewog proposes to diversify as well as increase cash crop production in the ninth plan.

Land Type	Area in Hectares
Dry land	357
Wet land	989
Tseri	4
Orchard	138
Mixed	32
Conifer	227
Broad leaf	8022
Plantation	269
Scrub Forest	143
Pasture natural	6
Settlements	9
Eroded areas	55
Water spreads	177

2. SUMMARY OF GEWOG PLAN OUTLAY

Nu.in million

Sl. #	Programmes	Budget Outlay			Remarks
		Current	Capital	Total	
1	Agriculture Program	0.000	2.344	2.344	
2	Livestock Program	0.000	0.717	0.717	
3	Forestry Program	0.000	0.122	0.122	
4	Health Program	0.000	0.364	0.364	
5	Gewog Administration	0.280	0.880	1.160	
	Total	0.280	4.427	4.707	

3. GEWOG DEVELOPMENT PROGRAMS

Agriculture Programs

Paddy Development

The gewog has about 989 hectares of registered wetland and paddy production is the main activity as well as the staple diet of the gewog. The farmers therefore, propose to increase paddy productivity in the ninth plan through promotional activities and on farm trials. These activities are programmed to be carried out in Hathkhola, Magey and Dupujora villages.

Maize Development

Since dry land constitutes about 357 hectares and benefits maximum number of households, the development of maize programme is also important activity. Therefore, with the aim to promote this programme, on-farm trials and demonstration with use of improved seeds and management practices will be conducted in the focused areas of the gewog.

Oil Seed Development

As most of the households of the gewog use locally produced oil for their daily consumption, oil seed development programme needs to be promoted to achieve self-sufficiency in oil. Therefore, based on the request of the farmers, promotional activities and on farm trials on mustard will be carried out in the focused potential areas of the gewog.

Millet Development

Millet production is minimal in the gewog. However in order to supplement the above-mentioned cereals, the farmers had requested for the development and promotion of millet. Therefore, on-farm trials and demonstrations on this cereal will be taken up in the villages of Dipujora, Kirney and Hathkhola

Vegetable Development

As the climatic condition of the gewog do not favor vegetables production in summer, the price of vegetables shoots up and becomes unaffordable for the farmers. Realizing this fact, the farmers had requested for supply of off season vegetable seeds and also technical guidance regarding its production. Therefore, on farm trials and demonstrations on off-season vegetable will be conducted in the village of Hathkhola, Bimtar and Garigaon.

Farmers Capacity Development

With the view of promoting food security and self-sufficiency in the gewog, capacity building of farmers will be considered as one of the strategies to achieve this envisaged objective. As such, farmers will be trained in various training aspects such as Integrated Post Management Technologies,

maize and paddy Post Harvest Practices, ginger and arecanut diseases control, soil conservation measures and production of off-season vegetables. In the long run, the training is expected to cover all the households of the gewog.

Farm Road Development

Dipujora village has 140 households and has a total arable land of more than 30 acres. The village also has an ideal climate and fertile soil for the production of horticulture and cereal crops. To facilitate marketing of surplus farm produces, farmers have requested for construction of three kilometers of farm road.

Construction of Irrigation Channel

Despite the vast arable land, Dipujora village has no irrigation channels and mostly depends on monsoon. Since monsoon is not dependable, people have proposed for construction of four km irrigation channels to benefit about 103 households during the ninth plan.

Livestock Programs

Backyard farm Development

As both the domestic and Indian markets are accessible, people have identified backyard farming as great potential. Therefore, based on their priority, it is proposed to set up 25 backyard units with two cross jersey cows in each unit and five poultry backyard units with 25 birds per unit. Further, the farmers had also requested for supply of 26 piglets, 139 Rams and 3,349 fingerlings.

Breed Improvement

To improve the local cattle breed, the farmers of the gewog had requested for supply of improved high genetic breeds. Based on their priority, one Jersey Bull will be supplied to benefit the villages of Lamitar, Singyednra and Ghalaygaon.

Feed and Fodder Development

A total of 860 numbers of fodder tree saplings and 105 kg of sub-tropical pasture seeds will be supplied to the villages of Karatey, Hathkhola, Kirney, Kotidara, Kopchey, Lamjumsa and Magay to develop feed and fodder requirement.

Farmers Capacity Development

Five farmers from the gewog will be trained at National Jersey Breeding Centre at Samtse on dairy management and ten farmers will be trained on poultry management at Regional Poultry Breeding Centre at Paro. And also three farmers, preferably school dropouts will be trained on basic village Animal Health Services at Samtse Veterinary Hospital.

Forestry Programs

Creation of Private Forestry

With the aim to maintain the forest cover of the gewog, creation of private forestry was found necessary. As such, a total of 30.80 acres of private forestry will be created by the farmers of Bimtar, Karatey, Kirney, Kopchey, Hathkhola, Garigaon, Kothidara and Dipujora villages during the ninth plan.

Health Programs

Construction & rehabilitation of RWSS

The gewog has planned to take up one RWSS scheme at Tineray along with the rehabilitation of Kirney RWSS during the ninth plan.

Construction of Out Reach Clinic

As most of the villages are far away from the road head as well as scattered, construction of Outreach Clinic was found to be imperative. Therefore, in accordance to the request of the people of the gewog, construction of one Outreach Clinic shed together with fencing is proposed at Kirney village.

Gewog Administration and Management Programs

Construction of Gup's Office

The Chengmari Gewog Administration and Management do not have a proper office to carry out gewog developmental activities and administrative works.

The people of the gewog had therefore proposed for construction of Gup's office along with electrification in the first year of the plan. In the second year, furniture, office equipment (typewriter) and necessary stationeries will be procured. The estimated cost includes the establishment cost required to meet the running cost and the overhead charges of the gewog administration.

4. BUDGET ESTIMATES

Nu. in million

Sl. #	Programmes	Unit	Target	Budget Outlay			Remarks
				Current	Capital	Total	
1	Paddy Development						
1.1	Promotion	Kgs	750	0.000	0.019	0.019	
1.2	Demonstration and trial	Nos	5	0.000	0.003	0.003	
1.3	Purchase of improved seeds	Kgs	2450	0.000	0.000	0.000	Cash & Carry
	Sub-total			0.000	0.022	0.022	
2	Maize Development						
2.1	Promotion	Kgs	1000	0.000	0.020	0.020	
2.2	Demo.on management practices	Nos	5	0.000	0.001	0.001	
2.3	Purchase of improved seeds	Kgs		0.000	0.000	0.000	Cash & Carry
	Sub-total			0.000	0.021	0.021	
3	Oil seed Development						
3.1	Promotion	Kgs	120	0.000	0.005	0.005	
	Sub-total			0.000	0.005	0.005	
4	Wheat Development						
4.1	Promotion	Kgs	300	0.000	0.002	0.002	
4.2	Purchase of improved seeds	Kgs	300	0.000	0.000	0.000	Cash & Carry
	Sub-total			0.000	0.002	0.002	
5	Millet Development						
5.1	Promotion	Kgs	120	0.000	0.002	0.002	
	Sub-total			0.000	0.002	0.002	
6	Vegetable Development						
6.1	Demo.& trial on off-season veget.	Nos	5	0.000	0.025	0.025	
6.2	Purchase of improved seeds	Pkts	300	0.000	0.000	0.000	Cash & Carry
	Sub-total			0.000	0.025	0.025	
7	Farmers Capacity Dev.						
7.1	IPM technologies	HH	150	0.000	0.030	0.030	
7.2	Maize post harvest practices	HH	150	0.000	0.030	0.030	
7.3	Ginger diseases and management	HH	150	0.000	0.030	0.030	
7.4	Arca nut disease and management	HH	150	0.000	0.030	0.030	
7.5	Off seasonal vegetable production	HH	50	0.000	0.008	0.008	
7.6	Soil conservation & fertility Mgmt.	HH	50	0.000	0.008	0.008	
7.7	Orchard layouts	HH	50	0.000	0.008	0.008	
7.8	Growing of Dhaincha	HH	150	0.000	0.023	0.023	
	Sub total			0.000	0.167	0.167	
8	Farm Road Development						
8.1	Construction of farm road	Kms	3	0.000	0.900	0.900	
	Sub-total			0.000	0.900	0.900	

9	Irrigation Development						
9.1	Construction of channel	Kms	4	0.000	1.200	1.200	
	Sub-total			0.000	1.200	1.200	
	Total			0.000	2.344	2.344	
10	Backyard farm Development						
10.1	Pullets transportation	Nos	1221	0.000	0.020	0.020	
10.2	Piglets transportation	Nos	26	0.000	0.015	0.015	
10.3	Sheep transportation	Nos	139	0.000	0.020	0.020	
10.4	Fingerlings transportation	Nos	3349	0.000	0.010	0.010	
	Sub-total			0.000	0.065	0.065	
11	Breed Improvement						
11.1	Supply of jersey bull	Nos	1	0.000	0.006	0.006	
11.2	Semen straw	Nos	250	0.000	0.003	0.003	
11.3	AI instrument &LN2			0.000	0.050	0.050	
11.4	Construction of AI crate	Nos	1	0.000	0.005	0.005	
11.5	Progeny allowance	Nos	200	0.000	0.100	0.100	
	Sub-total			0.000	0.164	0.164	
12	Feed and Fodder development						
12.1	Purchase of FTS	Nos	860	0.000	0.005	0.005	
12.2	Transportation of seedlings	Nos	15	0.000	0.006	0.006	
12.3	Purchase pf pasture seeds			0.000	0.023	0.023	
12.4	Medicine supply & transportation			0.000	0.410	0.410	
	Sub-total			0.000	0.444	0.444	
13	Farmers training						
13.1	Poultry management	Nos	10	0.000	0.011	0.011	
13.2	Dairy farming	Nos	5	0.000	0.005	0.005	
13.3	Village animal health worker	Nos	3	0.000	0.007	0.007	
13.4	Fishery management	Nos	13	0.000	0.014	0.014	
13.5	Pasture management	Nos	42	0.000	0.007	0.007	
	Sub-total			0.000	0.044	0.044	
	Total			0.000	0.717	0.717	
14	Private Forestry						
14.1	Seedling procurement & transport.			0.000	0.006	0.006	
14.2	Community Forestry	Acre	30.80	0.000	0.000	0.000	
14.3	Supply of seedlings	Nos	11220	0.000	0.056	0.056	
14.4	Fencing and transportation			0.000	0.060	0.060	
	Sub-total			0.000	0.122	0.122	
	Total			0.000	0.122	0.122	

15	RWSS & Rehabilitation						
15.1	Tineray RWSS		1	0.000	0.132	0.132	
15.2	Rehabilitation of Kirney RWSS		1	0.000	0.122	0.122	
	Sub-total			0.000	0.254	0.254	
16	Out reach Clinic (ORC)						
16.1	New construction	Nos	1	0.000	0.110	0.110	
	Sub-total			0.000	0.110	0.110	
	Total			0.000	0.364	0.364	
17	Gewog administration						
17.1	Construction of Gup's office	Nos	1	0.000	0.600	0.600	
17.2	Electrification of Gup's office			0.000	0.030	0.030	
17.3	Purchase of office equipment			0.000	0.200	0.200	
17.4	Procurement of stationeries			0.000	0.050	0.050	
17.5	Establishment Cost			0.280	0.000	0.280	
	Sub-total			0.280	0.880	1.160	
	Total			0.280	0.880	1.160	
	Grand total			0.280	4.427	4.707	

5. PLAN IMPLEMENTATION, MONITORING AND EVALUATION

The GYT Chathrim 2002 delineates specific roles and responsibilities to all functionaries involved in development administration and management in the gewog. It is, however, deemed necessary to underscore some essential processes that must be observed in executing the above roles and responsibilities.

The financial powers and authority of the Gewog Administration for the implementation of the planned activities are also enshrined in the GYT Chathrim 2002.

Plan implementation

The Gup, GYT *Tshopas* and the community as a whole will take on full accountability and ownership of gewog development activities. The clear delineation of implementation time frames, responsibilities and contributions from the community should be developed for the effective implementation of gewog activities.

Annual and Quarterly Plans

Based on the Five-Year Plan, the Gup will prepare Annual Plans and Budgets (AP&B) in consultation with the gewog sectoral staff and submit it to GYT. After the GYT discusses and approves the Draft AP&B, it will be put up for approval to the DYT.

Once the DYT approves the AP&B, the GYT will develop a Quarterly Work Plan and Budget in consultation with the sectoral staffs and other functionaries in the gewog such as Mangmi, Chimi and Tshopas. The implementation of the Quarterly Work Plan will be the responsibility of the Gup and the Tshopas with technical support from the staff of the concerned sectors.

Based on the Quarterly Work Plan, the concerned sectoral staff responsible for the implementation of any planned activity will elaborate a detailed implementation plan and budget for approval and budget release by the Gup. Copy of this plan will be sent for information to the concerned sectoral heads and relevant agencies. Upon completion of the activity, the responsible person will submit a report to the Gup and the concerned sectoral heads and relevant agencies.

Monitoring and Evaluation

Monitoring

The GYT in the gewog will be responsible for progress and performance monitoring of the planned activities. The GYT should convene monthly meetings with technical staff and other responsible persons for implementation to review the progress in the implementation of every activity and to take timely corrective actions when required. The gewog will seek technical back-up services from the Dzongkhag Administration when necessary.

Based on the received reports and monthly meetings the Gup will submit a quarterly report to the Dzongkhag Administration. Technical reports from the different sectors will be attached to the Gup's quarterly report.

The Gup will verify the travel claims of all sectoral personnel in the gewog so that the performance of the Gewog staff can be monitored.

Evaluation

To assess the impact and benefit of development programs and projects in the gewogs, the Government will launch periodic evaluation missions in coordination with the Dzongkhag Administration.