

**GHUMAUNEY GEWOG  
NINTH PLAN  
(2002-2007)**



**SAMTSE DZONGKHAG  
ROYAL GOVERNMENT OF BHUTAN**

## Table of Contents

1.	CURRENT SITUATION.....	1
2.	SUMMARY OF GEWOG PLAN OUTLAY .....	1
3.	GEWOG DEVELOPMENT PROGRAMS .....	2
	AGRICULTURE PROGRAMS .....	2
	LIVESTOCK PROGRAMS .....	3
	FORESTRY PROGRAMS .....	4
	HEALTH PROGRAMS .....	4
	GEWOG ADMINISTRATION AND MANAGEMENT PROGRAM .....	5
4.	BUDGET ESTIMATES .....	5
5.	PLAN IMPLEMENTATION, MONITORING AND EVALUATION.....	8
	PLAN IMPLEMENTATION .....	8
	<i>Annual and Quarterly Plans</i> .....	8
	MONITORING AND EVALUATION .....	8
	<i>Monitoring</i> .....	8
	<i>Evaluation</i> .....	9

## 1. CURRENT SITUATION

Ghumaunay gewog has an area of approximately 22.1 square kilometers and has 461 households. It has one junior high school, one Basic Health Unit, one Beat Office and a feeder road of one and half kilometer, which connects to Samtse-Sipsu Highway. Most of the households of the gewog are electrified.

Wetland accounts for about 826 hectares of total cultivable land areas. But paddy cultivation is constrained by lack of adequate water. The gewog is well connected with road network and has good access to both Indian and domestic markets. Therefore, there is great potential for farm mechanization and paddy can be produced on commercial basis with further inputs of improved seeds. The gewog has potential to increase production of orange, cardamom, ginger and areca nut.

Land Type	Area in Hectares
Dry Land	299
Wetland	826
Orchard	49
Mixed Forest	1222
Broad Leaf Forest	641
Plantation	255
Scrub Forest	34
Settlement	15
Eroded areas	17
Water Spread	27

## 2. SUMMARY OF GEWOG PLAN OUTLAY

Nu.in million

Sl. #	Programme	Budget Outlay			Remarks
		Current	Capital	Total	
1	Agriculture Program	0.000	3.881	3.881	
2	Livestock Program	0.000	0.697	0.697	
3	Forestry Program	0.000	0.198	0.198	
4	Health Program	0.000	0.632	0.632	
5	Gewog Administration	0.280	0.980	1.260	
	<b>Total</b>	<b>0.280</b>	<b>6.388</b>	<b>6.668</b>	

### **3. GEWOG DEVELOPMENT PROGRAMS**

#### **Agriculture Programs**

##### ***Paddy Production***

The gewog has about 826 hectares of registered wetland and paddy production is one of the important activities, as rice is the main source of their livelihood. To enhance productivity, on-farm trials and demonstrations will be carried out in Kuenzangling, Sonakhar, Dungkhar, Lamitar, Gaylaygaon and Karatey villages.

##### ***Maize Development***

Since dry land constitutes about 299 hectares, next to wetland and benefits maximum number of households, the development of maize programme is also an important activity. Therefore, on-farm trials and demonstration with improved seeds and management practices will be carried out in the villages of Karatey, Kharbandi, Lamitar, Dunkar and Chekeyling.

##### ***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, promotional activities and on farm trials on mustard will be carried out in the focused potential areas. The areas are Dungkhar, Ghalaygaon, Lamitar, Karatey and Singyedana.

##### ***Wheat Development***

Although wheat production is minimal in the gewog, people have realized the importance of wheat as another cereal to supplement maize and rice. Therefore, the farmers had requested to develop and promote this programme. In this regard, on-farm trials on local as well as high yield variety will be conducted in Tsakaling, Ghalaygaon, Sonakhar, Kuenzangling and Dungkhar villages.

##### ***Millet Development***

In order to supplement other cereals, the farmers had requested for development and promotion of millet. Therefore, on-farm trials and demonstrations on this cereal will be taken up in the villages of Lamitar, Kuchidyna and Kuenzangling.

##### ***Vegetable Development***

As the gewog do not produce vegetables in summer, the price of vegetables during summer shoots up and becomes unaffordable for the farmers. Realizing this fact, the farmers had requested for the 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 villages of Tsakaling, Kuenzangling, Chekeyling and Dungkhar.

### ***Ginger Promotion***

The climatic condition and soil fertility of the gewog are favorable for ginger cultivation. People have requested for this programme, since ginger is an important cash crops. Therefore, with an objective to increase income of the people, demonstration and trial on new varieties of ginger will be promoted in the villages of Chekeyling, Kuenzangling, Sonakhar and Dungkhar.

### ***Farmers Capacity Development***

In order to promote food security and self-sufficiency in the gewog, farmer capacity building will be considered as one of the strategies to achieve this envisaged objective. Therefore, about 150 households will be trained in various training aspects such as Integrated Post Management Technologies, Maize and Paddy Post Harvest Practices, Ginger and Areca nut Diseases Control, Soil Conservation measures and Production of off-season vegetables. In the long run, training is expected to cover all the households of the gewog.

### ***Renovation of Irrigation channels***

Although gewog has many irrigation channels, which need to be renovated, people have prioritized to renovate 15 kms of Kharbandi/Kuchidyna irrigation channel and two kms of Lamitar irrigation channel during the ninth plan. The former channel will benefit a total of 235 households and the latter will benefit 66 households.

### **Livestock Programs**

#### ***Backyard Farm Development***

As the gewog has favourable climatic condition and easy access to both domestic and Indian markets, people had identified to promote their livestock activity through backyard farming. Therefore, based on their priority, it is proposed to set up five units of backyard farms with two cross jersey cows each in the villages of Sonakhar, Dungkhar, Tsakaling, Chokeyling and Kuenzangling. This is expected to sustain their daily needs of dairy products.

#### ***Breed Improvement***

With the aim to improve breed, one Jersey Bull will be supplied for the villages of Lamitar, Karatey, Singyegaon and Ghaleygaon. Besides, Artificial Insemination of Jersey, Cross Jersey and Mithun will also be taken up.

#### ***Feed and Fodder Development***

As people consider livestock rearing as an important activity and also to sustain its products, they had requested to support the development of feed and fodder. Therefore, 720 numbers of fodder tree saplings and 105 kgs of sub-tropical pasture seeds will be supplied to the villages of Sonakhar, Lamitar, Jarep, Dungkhar, Kuenzangling, Garigaon and Kharbandi.

### ***Animal Health Service***

People of the gewog have realized the importance of Animal Health Services for the promotion and development of backyard farms. As such, Animal Health Service through regular vaccination and treatment wherever necessary will be continued.

### ***Farmers Capacity Building***

In order to support livestock activities, people had requested for capacity development in the gewog. Therefore, capacity development program will be carried in various livestock training aspects. 5 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, 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 an aim to sustain the forest cover of the gewog, creation of private forest wherever possible and necessary will be taken up. As such, a private forest of 7.7 acres of land will be created in order to benefit the villages of Sonakhar, Dungkhar, Lamitar, Ghumauney and Kuenzanling. On this programme, Dzongkhag will provide seedling and technical backstopping.

#### ***Creation of Private Nursery***

In order to support the creation of private and community forests, rearing of private nursery is found to be important and people had proposed for it. Therefore, it is proposed to create one nursery each in the villages of Kuchidaina, Sonakhar, Dungkhar and Kuenzanling. On this programme, Dzongkhag will provide seedling and technical backstopping.

#### ***Creation of Community Forestry***

People have realized the importance of Community Forestry in supplementing the supply of feed and fodder, domestic fuel wood and ultimately to conserve the environment. Therefore, about 50 households from Sonakhar village had proposed to create a community forest of 30 acres. The Dzongkhag Forestry Sector will provide technical guidance as well as seedlings.

### **Health Programs**

#### ***Construction of Out Reach Clinic***

In order to effectively deliver basic health services to the un-reached population, construction of Outreach Clinic is found to be very important, as most of the villages are far away from the road head and dispersed. Therefore, as per the demand from the farmers, it is proposed to construct one Out Reach Clinic each in the villages of Katarey and Lamitar.

## ***Rural Water Supply Schemes***

The gewog has problem of drinking water as the sources are limited and number of users have increased due to the resettlement programme. Therefore gewog proposed for two new RWSS during the ninth plan. Gewog has also proposed the rehabilitation of the Ghumaunay Lower Secondary School RWSS together with spring protection of Rambagar and Kulungaon villages.

## **Gewog Administration and Management Programs**

### ***Construction of Gup's Office***

Since the Ghumaunay gup does not have a proper office to carry out gewog developmental activities, the gewog had proposed to construct 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.

## **4. BUDGET ESTIMATES**

Nu.in million

Sl. #	Programmes	Unit	Target	Budget			Remarks
				Current	Capital	Total	
<b>1</b>	<b>Paddy Development</b>						
1.1	Promotion	Kg	750	0.000	0.019	0.019	
1.2	Demonstration and trial	No	5	0.000	0.003	0.003	
1.3	Purchase of improved seeds	Kg	900	0.000	0.000	0.000	Cash & Carry basis
	<b>Sub-total</b>			<b>0.000</b>	<b>0.022</b>	<b>0.022</b>	
<b>2</b>	<b>Maize Development</b>						
2.1	Promotion	Kg	1000	0.000	0.020	0.020	
2.2	Demonstration	No	5	0.000	0.001	0.001	
2.2	Purchase of improved seeds	Kg	1368	0.000	0.000	0.000	Cash & Carry basis
	<b>Sub-total</b>			<b>0.000</b>	<b>0.021</b>	<b>0.021</b>	
<b>3</b>	<b>Oil seed Development</b>						
3.1	Promotion	Kg	120	0.000	0.005	0.005	
3.2	On farm trial	No	5	0.000	0.003	0.003	
3.3	Purchase of improved seeds	Kg	305	0.000	0.000	0.000	Cash & carry basis
	<b>Sub-total</b>			<b>0.000</b>	<b>0.008</b>	<b>0.008</b>	
<b>4</b>	<b>Wheat Development</b>						
4.1	Promotion	Kg	300	0.000	0.005	0.005	
4.2	On farm trial	No	5	0.000	0.003	0.003	
4.3	Purchase of improved seeds	Kg	1390	0.000	0.000	0.000	Cash & Carry basis
	<b>Sub-total</b>			<b>0.000</b>	<b>0.008</b>	<b>0.008</b>	
<b>5</b>	<b>Millet Development</b>						
5.1	Promotion	Kg	120	0.000	0.002	0.002	
5.2	On farm trial	No	5	0.000	0.003	0.003	

5.3	Purchase of improved seeds	Kg	95	0.000	0.000	0.000	Cash & Carry basis
	<b>Sub-total</b>			<b>0.000</b>	<b>0.005</b>	<b>0.005</b>	
<b>6</b>	<b>Vegetable Development</b>						
6.1	Demo.& trail on off-season veg.	No	5	0.000	0.026	0.026	
6.2	Purchase of improved seeds	Pkts	1170	0.000	0.000	0.000	Cash & Carry basis
	<b>Sub-total</b>			<b>0.000</b>	<b>0.026</b>	<b>0.026</b>	
<b>7</b>	<b>Ginger Development</b>						
7.1	Demo. & trial on new varieties	No	5	0.000	0.260	0.260	
7.2	Purchase of improved seeds	Kg	4825	0.000	0.000	0.000	Cash & Carry basis
	<b>Sub-total</b>			<b>0.000</b>	<b>0.260</b>	<b>0.260</b>	
<b>9</b>	<b>Farmers Capacity Development</b>						
9.1	IPM technologies	Hhs	150	0.000	0.023	0.023	
9.2	Maize post harvest practices	Hhs	150	0.000	0.023	0.023	
9.3	Ginger diseases and management	Hhs	150	0.000	0.023	0.023	
9.4	Areca nut diseases & management	Hhs	150	0.000	0.023	0.023	
9.5	Off seasonal vegetable production	Hhs	50	0.000	0.008	0.008	
9.6	Soil conservation & fertility Mgmt.	Hhs	50	0.000	0.008	0.008	
9.7	Paddy post harvest	Hhs	150	0.000	0.023	0.023	
	<b>Sub-total</b>			<b>0.000</b>	<b>0.131</b>	<b>0.131</b>	
<b>10</b>	<b>Irrigation Development</b>						
10.1	Renovation of channel	Km	15	0.000	3.000	3.000	
10.2	Renovation of channel	Km	2	0.000	0.400	0.400	
	<b>Sub-total</b>			<b>0.000</b>	<b>3.400</b>	<b>3.400</b>	
	<b>Total</b>			<b>0.000</b>	<b>3.881</b>	<b>3.881</b>	
<b>11</b>	<b>Backyard Farm Development</b>						
11.1	Pullets transportation			0.000	0.008	0.008	
†	<b>Sub-total</b>			<b>0.000</b>	<b>0.008</b>	<b>0.008</b>	
<b>12</b>	<b>Breed Improvement</b>						
12.1	Supply of jersey bull	No	1	0.000	0.006	0.006	
12.2	Semen straw	No	400	0.000	0.005	0.005	
12.3	Progeny allowance	No	360	0.000	0.018	0.018	
12.4	AI equipment and instrument			0.000	0.050	0.050	
12.5	Construction of AI crate		1		0.005	0.005	
	<b>Sub-total</b>			<b>0.000</b>	<b>0.084</b>	<b>0.084</b>	
<b>13</b>	<b>Feed and Fodder Development</b>						
13.1	Purchase of FTS		720	0.000	0.004	0.004	
13.2	Purchase of pasture seeds		15	0.000	0.023	0.023	
13.3	Seedling and seed transportation			0.000	0.033	0.033	
	<b>Sub-total</b>			<b>0.000</b>	<b>0.060</b>	<b>0.060</b>	
<b>14</b>	<b>Animal Health and Service</b>						
14.1	Medicine supply			0.000	0.515	0.515	
	<b>Sub-total</b>			<b>0.000</b>	<b>0.515</b>	<b>0.515</b>	



<b>15</b>	<b>Farmers Capacity Development</b>						
15.1	Poultry management	No	5	0.000	0.011	0.011	
15.2	Dairy farming	No	3	0.000	0.005	0.005	
15.3	Village animal health worker	No	3	0.000	0.007	0.007	
15.4	Pasture management& practices	No	42	0.000	0.007	0.007	
	<b>Sub-total</b>			<b>0.000</b>	<b>0.030</b>	<b>0.030</b>	
	<b>Total</b>			<b>0.000</b>	<b>0.697</b>	<b>0.697</b>	
<b>16</b>	<b>Creation of Private Forestry</b>						
16.1	Private Forestry						
16.2	Supply of seedlings	No	5760	0.000	0.030	0.030	
16.3	Transportation of seedlings			0.000	0.010	0.010	
	<b>Sub-total</b>			<b>0.000</b>	<b>0.040</b>	<b>0.040</b>	
<b>17</b>	<b>Creation of Private Nursery</b>						
17.1	Seedling supply	No	15	0.000	0.008	0.008	
	<b>Sub-total</b>			<b>0.000</b>	<b>0.008</b>	<b>0.008</b>	
<b>18</b>	<b>Creation of Community Forestry</b>	Acre	30				
18.1	Supply of seedlings	No	22440	0.000	0.110	0.110	
18.2	Fencing and transportation			0.000	0.040	0.040	
	<b>Sub-total</b>			<b>0.000</b>	<b>0.150</b>	<b>0.150</b>	
	<b>Total</b>			<b>0.000</b>	<b>0.198</b>	<b>0.198</b>	
<b>19</b>	<b>Out reach Clinic</b>						
19.1	Construction of ORCs	No	2	0.000	0.220	0.220	
	<b>Sub-total</b>			<b>0.000</b>	<b>0.220</b>	<b>0.220</b>	
<b>20</b>	<b>Construction of RWSS</b>						
20.1	Construction of RWSS	No	2	0.000	0.264	0.264	
20.2	Rehabilitation of RWSS	No	1	0.000	0.122	0.122	
20.3	Spring Protection	No	2	0.000	0.026	0.026	
	<b>Sub-total</b>			<b>0.000</b>	<b>0.412</b>	<b>0.412</b>	
	<b>Total</b>			<b>0.000</b>	<b>0.632</b>	<b>0.632</b>	
<b>21</b>	<b>Gewog Administration</b>						
21.1	Construction of Gup's office	No	1	0.000	0.700	0.700	
21.2	Electrification of Gup's office			0.000	0.030	0.030	
21.3	Purchase of office equipment			0.000	0.200	0.200	
21.4	Procurement of stationeries			0.000	0.050	0.050	
21.5	Establishment Cost			0.280	0.000	0.280	
	<b>Sub-total</b>			<b>0.280</b>	<b>0.980</b>	<b>1.260</b>	
	<b>Total</b>			<b>0.280</b>	<b>0.980</b>	<b>1.260</b>	
	<b>Grand total</b>			<b>0.280</b>	<b>6.388</b>	<b>6.668</b>	

## **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 Tshogpas. The implementation of the Quarterly Work Plan will be the responsibility of the Gup and the Tshogpas 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.