

BETENI GEWOG
NINTH PLAN
(2002-2007)



TSIRANG 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
	EDUCATION PROGRAMS	5
	HEALTH PROGRAMS	5
	GEWOG ADMINISTRATION AND MANAGEMENT PROGRAMS	6
4.	BUDGET ESTIMATES	6
5.	PLAN IMPLEMENTATION, MONITORING AND EVALUATION	9
	PLAN IMPLEMENTATION	9
	<i>Annual and Quarterly Plans</i>	<i>10</i>
	MONITORING AND EVALUATION	10
	<i>Monitoring</i>	<i>10</i>
	<i>Evaluation</i>	<i>10</i>

1. CURRENT SITUATION

Beteni Gewog is situated in the western part of the dzongkhag about nine kilometres from the dzongkhag headquarters which is in Kikhorthag Gewog. It is the largest gewog in the dzongkhag with an area of 170.9 Sq. Km and has 171 households distributed among four villages viz. Beteni, Bhulkey, Thangrey and Pakhey. The gewog has an elevation ranging from 600 to 1,900 meters above sea level.

Education is provided by a Primary School and a Non-Formal Education (NFE) center while health services are availed from the Mendrelgang Basic Health Unit (BHU), the Outreach Clinic (ORC) at Gairigaun and from the Damphu Hospital in Kikhorthang Gewog. 80% of the households have piped water supply facility. The gewog has no electricity connections. The Wangdue - Sarpang highway touches the east-western part of the gewog providing access to some villages but there is no other feeder or farm road access.

Agricultural land use is dominated by dry land in the upper region of the gewog where mostly maize, wheat and mustard are grown. The lower part of gewog has more wetland with paddy and wheat being grown as major crops. Cardamom is the principal cash crop grown in the gewog.

Almost every household in the gewog own livestock. Although local cattle dominate the livestock population, the gewog produces more dairy products (butter and cheese) than any other gewog in the dzongkhag.

2. SUMMARY OF GEWOG PLAN OUTLAY

In. Nu. Millions

Sl. #	Programs	Current	Capital	Total	Remarks
1	Gewog Administration and Management	0.270	1.000	1.270	Including establishment cost. Details in budget estimates.
2	Agriculture		0.460	0.460	Includes Irrigation Programs.
3	Livestock		0.109	0.109	
4	Forestry		0.465	0.465	
5	Education		0.810	0.810	
6	Health		2.793	2.793	Includes PHE Programs.
	TOTAL	0.270	5.637	5.907	

3. GEWOG DEVELOPMENT PROGRAMS

Agriculture programs

Crop improvement activities

To enhance the food security situation in the gewog, the farmers have identified a number of crops as prioritised crops for development. However, in the Ninth Plan period – maize, paddy and oilseed improvement will receive priority. Accordingly the three sub-programs with the following objectives:

- Increase Rice production
- Increase Maize production
- Increase Oilseed production to reduce import of cooking oil

Production targets have been fixed taking into account farmers expressed needs, the present level of farmers knowledge in crop management, production potential of the land, acreage of cultivated land and high yielding varieties in some crops.

To improve the production of these crops, the following activities will be taken up during the Ninth Plan:

- farmers training
- demonstrations
- on-farm trials
- field days and
- supply of improved and high yielding seeds

Promotion of horticulture crops

A number of horticulture crops are identified as priority crops by the farmers based on the potentials for each of the crops to enhance rural incomes. Accordingly the following sub-programs will be undertaken during the Ninth Plan:

- Potato Production
- Cardamom Production
- Vegetable production
- Orange orchard improvement

The specific objectives for the sub-programs will be to:

- Increase potato production
- Increase cardamom production and quality improvement
- Increase vegetable production and
- Increase orange production and quality

The following activities will be taken up to achieve the above-mentioned objectives:

- Farmers training in crop management,
- Demonstration of new varieties/technologies
- Supply of improved seeds/seedlings.

Rural Livelihood support programs

The farmers have identified the following activities as priority rural livelihood support programs for the Ninth Plan:

- Rehabilitation of one km irrigation channel at Thulo- Kholsa
- One km put-right activity at Thulo-kholsa
- Formation/training of WUA for 10 households in the gewog
- Farm mechanization through the provision of available farm machinery and tools as per demand of farmers.

Farmers study tours

Study tours for farmers will be taken up as institutional and capacity development activities. These study tours are geared towards enabling the farmers to share experiences with other farmers, make them aware of new agricultural farming practices and technology, and to expose them to other demonstrative activities within and outside the dzongkhag to inculcate learning by seeing.

Livestock programs

In order to meet extension service requirements in the gewog one LEC will be constructed. The implementation and the budget for the LEC construction will be with the Dzongkhag Livestock Sector.

Establishment of back-yard farms

To increase income generation sources, the farmers in the gewog will be encouraged to establish small- scale backyard farms. For this the inputs will be procured and supplied to interested farmers at full cost.

During the Ninth Plan 14 dairy, 21 poultry, one piggery and three fishery backyard farms will be established to meet household livestock product requirements as well as increase incomes.

Livestock development programs

The main emphasis will be given to breed improvement through supply of breeding stock of high genetic make up with an objective to improve local breed of Livestock. During the Ninth Plan, a Jersey bull and a breeding ram will be procured and supplied as per demand.

Further, the distribution of 1299 pullets, 169 piglets and 7700 fingerlings will also be supplied as per demand.

Feed and fodder development

To complement the breed improvement activities in the gewog the development of feed and fodder will also be emphasized. Accordingly fodder tree seedlings and fertilizers for pasture development will be supplied and fodder conservation activities taken up during the Ninth Plan.

Animal health services

To make animal health services cost effective and efficient at the gewog level, it is proposed that farmers from three villages will be trained on basic animal health care. Animal health care services such as dewormings, vaccinations, sterilization and other general clinical treatment will also be provided.

Farmers training and Study tours

Under this program, farmers will be trained in different livestock management system with an objective to enhance skills and knowledge of the farmers on improved livestock management.

Selected farmers will be taken on study tours outside the dzongkhag to share experiences and see other demonstrative practices and technology.

Forestry Programs

The forest cover in the gewog is mainly broad-leaf. Non-timber forest products used extensively by the farmers are fencing poles, cane shoots and firewood. The Gewog has an FMU in operation.

Private Forestry

The main objective of the private forestry is to promote tree planting in private registered land to meet or overcome the shortage of forest produces such as firewood, timber for house construction, etc.

Under this program, 10 hectares of private land will be registered as private forest, which will benefit 37 households in the gewog. The Government will distribute the seedlings to the farmers.

Community Forestry

The aim of community forestry is to hand over the government-reserved forest to the local community to manage on their own so as to reduce the pressure on the government reserve forest. The other objective is also to involve the community to participate in sustainable forest management and educate them about nature conservation.

Under this program, a total of 25 acres of community forest will be established in the Gewog during the Ninth Plan. The Government will distribute the seedlings to the farmers.

Rural Timber supply

The Dzongkhag Forestry sector has the challenging task to supply timber for rural house constructions and repairs in the gewog during the Ninth Plan. This would now form a routine task for the forestry sector along with the allotment of rural fuel wood supply.

Farmers Training and Study Tour

To create awareness on forest and nature conservation act, farmers training will be carried out on Private and Community Forestry establishment and management, dissemination of rules, formalities and procedures on rural house building timber and forest fire management.

Selected farmers will be taken on study tours to other dzongkhags to enhance farmers' knowledge on all related subjects and to share experiences amongst the farmers.

Education programs

Reconstruction of Beteni Primary School

Beteni Primary School accommodates the children from the five villages in the gewog ranging from class PP-VI. Since the present school buildings are in a dilapidated condition, re-construction of the whole school building is required, construction of head-teacher and staff quarters, water and sanitation facilities, games and library facilities and an administrative block during the Plan.

Education coverage in the Gewog

Sl. #	Name of village	No. of households	Name of school	Walking distance to school
1	Thanrey	44	Beteni Primary School	45 minutes
2	Beteni	46		5 minutes
3	Bulkey	42		60 minutes
4	Parkhey	39		60 minutes

Health programs

Construction of ORC

A new ORC is proposed for construction in the gewog during the plan to facilitate effective health care delivery.

Further, other input activities such as Control of Diarrhoeal disease, Reproductive Health, STD/AIDS, ARI, VHW refresher and New VHW will also be carried out for effective coverage and delivery of health services in the gewog by the sector during the plan.

Drinking Water Supply and related activities

A total of three new rural water supply schemes will be constructed benefiting 34 households at Thangrey and Pakhey villages and one scheme will be rehabilitated at Bulkey village.

Source protection for one scheme at Thangrey and Bulkey villages will be taken up during the plan.

Gewog Administration Programs

Construction of Gup's office

The roles and responsibilities of the Gup & GYT members have increased considerably with the initiation of gewog-based planning. The Gup will now need to prepare and maintain many additional documents and records. Village meetings are at present being held in the open or in private houses involving a lot of inconveniences. The construction of a Gup's office, which can also function as a GYT hall, will be taken up as a priority activity during the Ninth Plan.

The provision of necessary telephone connections, purchase of furniture, purchase of typewriter, office supplies are also proposed.

4. BUDGET ESTIMATES

In Nu. Millions

Sl. #	Program/Activity	Unit	Target	Outlay			Remarks
				Rec	Cap	Total	
1	Gewog Administration & Management.						
a)	Construction of Gup's office	No	1		0.850	0.850	Labor contribution by public
b)	Telephone connection in Gup's office	No	1				
c)	Purchase of furniture				0.040	0.040	
d)	Purchase of Type writer	No	1		0.010	0.010	
e)	S&M office supplies				0.100	0.100	
f)	Establishment cost			0.270		0.270	
	Total:			0.270	1.000	1.270	
2	Agriculture Program						
i)	Paddy Improvement						
a)	Farmers training	HH	30		0.006	0.006	
b)	Demonstration	No	5		0.015	0.015	
c)	Field Days	No					
d)	On farm trail	No					
e)	Supply of Seeds	Acres	86		0.039	0.039	
	Sub-Total				0.060	0.060	
ii)	Maize Improvement						
a)	Farmers training	HH	35		0.007	0.007	
b)	Demonstration	No	5		0.015	0.015	
c)	Field Days	No					
d)	On farm trail	No					
e)	Supply of Seeds	Acres	85		0.023	0.023	
	Sub-Total				0.045	0.045	
iii)	Oil Seed Improvement.						
a)	Farmers training	HH	40		0.008	0.008	

b)	Demonstration	No	5		0.005	0.005	
c)	Field Days	No					
d)	On farm trail	No					
e)	Supply of Seeds	Acres	85		0.016	0.016	
	Sub-Total				0.029	0.029	
iv)	Citrus Improvement						
a)	Farmers training	HH	50		0.010	0.010	
b)	Field Day	HH					
c)	Supply of Seedlings	No					
	Sub-Total				0.010	0.010	
v)	Vegetable Improvement.						
a)	Farmers training	HH	60		0.012	0.012	
b)	Demonstration	No	3		0.003	0.003	
c)	Field Days	No					
d)	Supply of Seeds	Acres			0.010	0.010	
	Sub-Total				0.025	0.025	
vi)	Cardamom Improvement						
a)	Farmers training	HH	100		0.020	0.020	
b)	Supply of seedling	Acres					
	Sub-Total				0.020	0.020	
vii)	Potato production						
a)	Farmers training	HH	55		0.011	0.011	
b)	Supply of Seedling	No					
	Sub-Total				0.011	0.011	
viii)	Rural Livelihood support activities						
a)	Rehabilitation of irrigation Channel	Km.	1		0.150	0.150	Will benefit 10 HH
b)	Put Right activity	Scheme	1		0.100	0.100	Will benefit 10 HH
c)	Formation of WUA	Scheme	1		0.010	0.010	
d)	Farm mechanization						Supply as per demand & Availability. Farmers will pay full cost.
-	Supply of sprayers	46 HH					
-	Pruning and hand tools	46 HH					
-	Rice Mill and oil expeller	2 HH					
	Sub-total				0.260	0.260	
ix)	Farmers study tour						
	Sub-total						
	Total				0.460	0.460	
3	Livestock Services						
i)	Livestock Development Program						

a)	Supply of breeding bulls.	No	1		0.015	0.015	
b)	Breeding Ram	No	1		0.002	0.002	
c)	Supply of piglets	No	169				Made available as per demand.
d)	Supply of pullets	No	1299				
e)	Supply of Fingerlings	No	7700				Made available as per demand.
f)	Supply of fodder seedling	No	3614		0.018	0.018	Made available as per demand.
g)	Supply of fertilizer	Kg	2080		0.015	0.015	
h)	Supply of Pasture Seed	Kg	50		0.010	0.010	Made available as per demand.
	Sub-Total				0.060	0.060	
(i)	Animal Health Program						
a)	Training of VAHWs	No	3		0.009	0.009	
	Sub-total				0.009	0.009	
(ii)	Farmers training on						
a)	Dairy Mgt.	No	1		0.012	0.012	
b)	Poultry Mgt.	No	1		0.012	0.012	
c)	Fishery development.	No	1		0.004	0.004	
d)	Fodder & Pasture Dev.	No	1		0.012	0.012	
	Sub – Total				0.040	0.040	
(iii)	Estb.of Backyard Farm.						
a)	Dairy	No.	14				Full cost by farmers.
b)	Poultry	No.	21				Full cost by farmers.
c)	Piggery	No	1				
d)	Fishery	No.	3				Full cost by farmers.
	Total				0.109	0.109	
4	Forestry Services						
i)	Private forest						
a)	Distribution of seedlings/Printing of ownership certificate.	Ac.	10		0.065	0.065	
b)	Private Nursery						
	Sub-Total				0.065	0.065	
(i)	Community forest	Ha.	25		0.200	0.200	
	Sub-total				0.200	0.200	
(ii)	Farmers training on:						
a)	Private forestry						
b)	Rural timber Rules	HH	171		0.100	0.100	
c)	Forest fire management.						
	Sub-total				0.100	0.100	

(iii)	Farmers study tour	HH	50		0.100	0.100	
	Sub-total				0.100	0.100	
	Total:				0.465	0.465	
5	Education Program						
a)	Beteni Pry, School						
i)	4 Block Classroom	Unit	2		0.200	0.200	
ii)	Staff Quarters		1		0.150	0.150	
iii)	Headmasters quarters		1		0.150	0.150	
iv)	Toilet boys & girls		1		0.050	0.050	
v)	Equipment				0.160	0.160	
vi)	Furniture				0.100	0.100	
	Total				0.810	0.810	
6	ORC and related health activities.						
a)	Construction of ORC	No.	1		0.150	0.150	
b)	Control of Diarrhoeal disease	Nos.	65		0.040	0.040	
c)	Reproductive Health	Nos.	75		0.040	0.040	
d)	STD/AIDS	Nos.	95		0.050	0.050	
e)	ARI	Nos.	105		0.060	0.060	
f)	VHW refresher	Nos.	6		0.008	0.008	
g)	New VHW	Nos.	18		0.040	0.040	
	Total :				0.388	0.388	
7	Drinking water supply						
a)	New RWSS Construction	Scheme	3		2.250	2.250	
b)	Rehabilitation	Scheme	1		0.080	0.080	
c)	Source Protection	Scheme	3		0.075	0.075	
	Total :				2.405	2.405	
	GRAND TOTAL:				0.270	5.637	5.907

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 *Tshokpas* 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.