

KANGLUNG GEWOG

NINTH PLAN

(2002-2007)



TRASHIGANG DZONGKHAG
ROYAL GOVERNMENT OF BHUTAN

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1. Current Situation

Kanglung gewog consist of seven villages with 507 households covering an area of 63.3 square kilometres.

The gewog has two junior high schools and one community primary school with over 1,500 students. Primary enrolment rate is over 120%.

Around 395 households have electricity supply and over 70% of the population have access to piped drinking water supply. There are 120 telephone connections mostly in Kanglung proper.

Maize, wheat and paddy are the main cereals and potato is grown for cash income.

2. Summary of Gewog Plan Outlay

Sl.No.	Programme	Budget Outlay			Remarks
		Current	Capital	Total	
1	Agriculture Program	0.000	7.123	7.123	
2	Livestock Program	0.000	0.693	0.693	
3	Forestry Program	0.000	1.048	1.048	
3	Education Program	0.000	2.130	2.130	
4	Health Program	0.000	1.249	1.249	
5	Gewog Administration	0.370	2.000	2.370	
	Total	0.370	14.243	14.613	

3. Gewog Development Programs

Agriculture Programs

Paddy Improvement

Paddy improvement has been prioritised by the people and ten demonstrations and promotion of high yielding variety of paddy on 20 acres of land has been planned during the ninth plan.

Maize Improvement

10 demonstrations and promotion of high yield variety of maize on 50 acres of land has been planned during the ninth plan to improve maize cultivation.

Wheat and other Cereal Improvement

People have requested for demonstration and promotion of high yield varieties of wheat and barley during the ninth plan.

Oilseeds Improvement

Demonstration and promotion of high yield variety of mustard has been proposed during the ninth plan for oilseeds improvement.

Horticulture Improvement

The following horticultural commodities have been as prioritised by the farmers in the gewog and will be taken up in the ninth plan:

1. Demonstration on improved potato cultivation.
2. Promotion of walnut seedling.
3. Promotion of improved seedlings/seeds of subtropical fruit, other temperate fruit (apple, plum) and vegetable/legume.
4. Demonstration on off-season vegetable on commercial basis.
5. Demonstration on Shitake mushroom production.

Farm Road

It is proposed to construct a four km farm road from Khangma to Yonphupam which will benefit about 50% of Uzarong villages and 100% of Yonphupam village.

Renovation of Khesinglung-Rongthong Irrigation Channel

The existing irrigation channel has been destroyed by landslides during last monsoon and needs renovation. Therefore, renovation has been planned during the ninth plan along with protection of catchment areas.

Extension of Kanglung Market Shed

To facilitate sale of local products, a small market shed was constructed at Kanglung. However, it is too small to accommodate the farmers from the surrounding villages and therefore it has been proposed for extension to accommodate at least 20 farmers.

Demonstration of SALT

Demonstration of Slope Area Land Technology has been programmed during the plan to conserve soil fertility.

Institutional and Capacity Development

The following institutional and capacity development activities have been identified during the plan to share experience with other farmers and to expose the farmers to other demonstrative activities within and outside the Dzongkhag.

- Farmers study tour
- Farmers training on improved crop cultivation and post harvest aspects.

Livestock Programs

Backyard Dairy Farming

Based on the priority of farmers at least 40 units of small scale backyard dairy farm with a minimum of two milking cows preferably of improved breeds is proposed. The loan for the same will be made available to the interested farmers through BDFC and technical backstopping on dairy management will be given by the livestock sector.

Backyard Poultry Farming

Almost all the farmers in the gewog keep a few poultry birds for egg production. 250 to 500 improved pullets will be made available for sale to farmers for establishing at least 50 units of poultry backyard farms with minimum of five to ten birds per unit.

Backyard Piggery Farming

During the plan period, at least 25 units of backyard pig farming will be initiated with a minimum of two improved piglets per unit. The sale of 50 piglets will be made available for establishing the units. The technical backstopping will be provided by the livestock sector.

Livestock Breed Improvement

Based on farmers demand, the dzongkhag will procure and distribute two number of jersey cross bulls and at least 1200 doses of AI will be made available during the plan.

Feed and Fodder Development

25 acres of improved pasture will be developed in the gewog by the interested farmers with free inputs of 8,000 number of fodder tree seedlings. This will improve the feeding of livestock and tide away the feed scarcity especially during winter.

Institutional and Capacity Development

Under this program a total of 1,000 farmers will be trained in different livestock management system such as dairy, poultry and piggery to enhance skills and knowledge of the farmers on improved livestock management.

In addition, 50 interested farmers will be taken on study tour to different in-country livestock farms and other dzongkhag to boost the knowledge through practical observation and information sharing among the experienced farmers.

Training of Village Animal Health Workers

In order to make the delivery of the animal health services cost effective and efficient, at least five village animal health worker (VAHW) will be trained in basic animal health services like deworming, vaccination and minor clinical treatment. Also a vocational training course on dairy farming has been proposed.

Livestock Promotion

In order to raise public awareness about the benefit of rearing improved breeds, the cattle shows and exhibitions have been programmed along with crops residual treatment. Demonstration on improved livestock management practices and fodder development has also been planned.

Forestry Programs

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, house construction timber, and other small timbers. In order to achieve the above envisages, ten acres of private land at Mertsham, Pangthang, Manthung and Ritchadung will be registered as private forest. The seedlings will be distributed to the farmers to plant in their private land.

During the plan period, 4,2857 numbers of seedlings will be raised by the private nursery operator in the gewog. The seedling raised will be procured @ Nu. 4 per seedling and distributed to the interested farmers.

Community Forestry

The aim of community forestry is to hand over the government reserved forest to the local community so that the community will have adequate access to forest products and thereby reduce the pressure on the Government Reserved Forest. The other objective is also to involve the community to participate in sustainable forest management and educate them about nature conservation. To realize the above objectives, in the ninth plan, a community forest of 50 acres will be established at Yonphula. The tree seedlings will be supplied by the Forestry sector.

Afforestation

Around 50 acres of area at Yonphula will be covered under afforestation program to restore the eroded site and rehabilitation through plantation. Forest fire protection has been recognised as one of the important programs. To have effective forest fire control, the Forestry sector will purchase fire-fighting equipment and distribute to the gewog. It is also proposed to demarcate fire line during the forest fire out break by the public.

Institutional and Capacity Development

To create people's awareness on Forest & Nature Conservation Rules and to enhance the knowledge on forest management, the following activities will be taken up in the ninth plan:

1. Farmers training on forest fire management
2. Farmers training on nursery raising
3. Environmental awareness workshop
4. Farmers study tour

Education Program

Rongthong Community Primary School

The school was relocated to the present site few years back and the activities proposed in the plan are construction of staff quarters, additional classrooms, administrative block, science lab and library, MPH, toilet and electrification of school. The supply of equipment, furniture, computers and materials for renovation and expansion are also proposed.

New Retshangdung Community Primary School

The children of Retshangdung village face lots of difficulties to go to nearest Kanglung Jr.High School and had to cross stream, which swells up during the monsoon posing serious threat to children. Therefore, a new community school has been proposed at Retshangdung for the benefit of 77 households.

Health Programs

Construction of new RWSS

Four new RWSS schemes are proposed during the ninth plan for Yonphupam with 45 households, Yonphula with 50 households, Mangthung with 46 households and Pangthang with 170 households.

Rehabilitation of RWSS

The existing RWSS schemes at Rongthong, Pangthang, Retshangdung and Thragom are old and affected by the landslides. Thus, it has been proposed for rehabilitation during the plan.

Spring Source Protection

The spring source, which serves Yonphula Lhakhang and five households needs to be protected from animals.

Construction of ORCs

The construction of ORCs has been planned during the ninth plan in the following villages as these villages are more than 3 hours walk from Kanglung BHU:

1. Kadami for the benefit of 40 households and is two hours walk from the Kanglung BHU.
2. Khathargo and Pangthang for the benefit of 120 households.

Gewog Administration and Management Programs

Construction of Dungjurmani Lhakhang, Rongthong

Since the present community lhakhang at Rongthong is far from the village, its services could not be used optimally. In the ninth plan, the public of Rongthong has proposed for a new lhakhang at Dungjurmani (which is at centrally located place) for the benefit of 85 household of the village and requests for the supply of CGI sheets, cements and payment for skill labor.

Renovation of Shingchengonpa Lhakhang

Since the existing lhakhang is very old and is deteriorating, people have requested for its renovation within the ninth plan. The renovation activities include re-roofing and retaining wall around the temple.

Construction of Gup's office

Due to the increasing roles and responsibilities of Gup, it has become necessary to construct a Gup's office at Thragom, which is centrally located. The budget also includes establishment cost which is inclusive of purchase of office equipment, stationeries and furniture.

4. Budget Estimates

Nu. in million

Sl. No.	Programmes	Unit	Target	Budget			Remarks
				Current	Capital	Total	
1	Paddy Improvement						
1.1	Demonstration	Nos.	10	0.000	0.050	0.050	
1.2	Promotion of HYV	Acre.	20	0.000	0.015	0.015	
	Sub-total			0.000	0.065	0.065	
2	Maize Improvement Program						
2.1	Demonstration	Nos.	10	0.000	0.050	0.050	
2.2	Promotion of HYV	Acre.	50	0.000	0.019	0.019	
	Sub-total			0.000	0.069	0.069	
3	Wheat & other cereals						
3.1	Demonstration on wheat	Nos.	10	0.000	0.050	0.050	
3.2	Promotion of HYV	Acre.	25	0.000	0.031	0.031	1250/ac
3.3	Demo. on millet/barley	Nos.	5	0.000	0.025	0.025	
3.4	Promotion of HYV	Acre.	5	0.000	0.006	0.006	1250/ac
	Sub-total			0.000	0.112	0.112	
4	Oilseeds Improvement						
4.1	Demonstration on mustard	Nos.	10	0.000	0.050	0.050	
4.2	Promotion of HYV	Acre.	50	0.000	0.005	0.005	
	Sub-total			0.000	0.055	0.055	
5	Horticulture Improvement						

5.1	Demonstration on Potato	Nos.	15	0.000	0.075	0.075	
5.2	Promotion of soft shelled walnut	Acre.	15	0.000	0.030	0.030	
5.3	Promo. of Apple & Plum	Acre.	10	0.000	0.020	0.020	
5.4	Promo. of Mango and Guava	Acre.	10	0.000	0.020	0.020	
5.5	Demo. on vegetable cultivation	Nos.	20	0.000	0.020	0.020	
5.6	Prom.of vegetable/legume seeds	Pkts	5000	0.000	0.100	0.100	
5.7	Demo. on Shitake cultivation	Billet	1000	0.000	0.004	0.004	
	Sub-total			0.000	0.269	0.269	
6	Farm Roads						
6.1	Khangma to Yonphupam Roads	Km	4	0.000	4.000	4.000	
	Sub-total			0.000	4.000	4.000	
7	Renov. of Irrigation Channel						
7.1	Khesinglung – Rongthong	Km	0.15	0.000	0.300	0.300	
7.2	Catchment area protection			0.000	0.100	0.100	
	Sub-total			0.000	0.400	0.400	
8	Extension of existing market shed						
8.1	Kanglung market shed	Nos.	1	0.000	1.500	1.500	
	Sub-total			0.000	1.500	1.500	
9	Demonstration on SALT						
9.1	Demonstration on SALT	Nos.	5	0.000	0.500	0.500	
	Sub-total			0.000	0.500	0.500	
10	Institutional & Capacity Develop.						
10.1	Trg on improved crop cultivation	HH.	520	0.000	0.078	0.078	
10.2	Farmers Study tour to RNR-RC	HH.	15	0.000	0.075	0.075	
	Sub-total			0.000	0.153	0.153	
	Total			0.000	7.123	7.123	
11	Livestock Breed Improvement						
11.1	Backyard poultry farming	Unit	50	0.000	0.000	0.000	BDFC Loan
11.2	Backyard Piggery farming	Unit	50	0.000	0.000	0.000	BDFC Loan
11.3	Backyard Dairy farming (Jersey)	Unit	40	0.000	0.000	0.000	BDFC Loan
11.4	Jersey cross bull	Nos	2	0.000	0.016	0.016	
11.5	Artificial insemination	Dose	1200	0.000	0.120	0.120	
	Sub-total			0.000	0.136	0.136	

12	Feed & Fodder Development						
12.1	Pasture development	Acre	25	0.000	0.050	0.050	
12.2	Fodder tree plantation	Nos	8000	0.000	0.032	0.032	
	Sub-total			0.000	0.082	0.082	
13	Institutional & Capacity Develop.						
13.1	Farmers training	Nos	1000	0.000	0.250	0.250	
13.2	Farmers Study tour	Nos	50	0.000	0.080	0.080	
	Sub-total			0.000	0.330	0.330	
14	Trg. of VAHWs						
14.1	VAHW training	Nos	5	0.000	0.025	0.025	
14.2	Backyard piggery	Nos	2	0.000	0.020	0.020	
	Sub-total			0.000	0.045	0.045	
15	Livestock Promotion						
15.1	Demo. on pasture development, crop residual treatment	Nos	5	0.000	0.050	0.050	
15.2	Exhibition	Nos	5	0.000	0.050	0.050	
	Sub-total			0.000	0.100	0.100	
	Total			0.000	0.693	0.693	
16	Private Forestry						
16.1	Private Forestry	Acre	10	0.000	0.005	0.005	
16.2	Private Nursery	Nos	42857	0.000	0.172	0.172	
	Sub-total			0.000	0.177	0.177	
17	Community Forestry						
17.1	Community forestry	Acre	50	0.000	0.035	0.035	Nu. 700/- acre
	Sub-total			0.000	0.035	0.035	
18	Afforestation Program						
18.1	Afforestation	Acre	50	0.000	0.500	0.500	
18.2	Fire management		2	0.000	0.040	0.040	
	Sub-total			0.000	0.540	0.540	
19	Institutional & Capacity Develop.						
19.1	Nursery training	Nos	2	0.000	0.090	0.090	
19.2	Forest fire control training	Nos	2	0.000	0.036	0.036	
19.3	Farmers study tour	Nos	2	0.000	0.140	0.140	
19.4	Environmental awareness	Nos	2	0.000	0.030	0.030	
	Sub-total			0.000	0.296	0.296	
	Total			0.000	1.048	1.048	
20	Rongthung Communnity PS						

20.1	Construction of classrooms		1	0.000	0.300	0.300	
20.2	Construction of toilets		1	0.000	0.100	0.100	
20.3	Electrification of toilet			0.000	0.300	0.300	
20.4	Renovation and expansion			0.000	0.100	0.100	
20.5	Purchase of office equipment			0.000	0.080	0.080	
20.6	Purchase of furniture			0.000	0.150	0.150	
20.7	Library Books			0.000	0.150	0.150	
20.8	Purchase of computers		3	0.000	0.160	0.160	
20.9	Establishment Cost			0.000	0.000	0.000	Estab.cost Nu.5.545
	Sub-total			0.000	1.340	1.340	
21	Retshangdung New Community PS						
21.1	Construction of classrooms	Nos	3	0.000	0.300	0.300	
21.2	Construction of toilets			0.000	0.200	0.200	
21.3	Furniture			0.000	0.050	0.050	
21.4	Library Books			0.000	0.080	0.080	
21.5	Purchase of computers		3	0.000	0.160	0.160	
21.6	Establishment Cost			0.000	0.000	0.000	Estab.cost Nu.4.166
	Sub-total			0.000	0.790	0.790	
	Total			0.000	2.130	2.130	
22	Construction of RWSS						
22.1	Yonphupam (45HH)	Nos.	1	0.000	0.132	0.132	
22.2	Yonphula (50HH)	Nos.	1	0.000	0.132	0.132	
22.3	Mangthung (46HH)	Nos.	1	0.000	0.132	0.132	
22.4	Pangthang (170HH)	Nos.	1	0.000	0.132	0.132	
	Sub-total			0.000	0.528	0.528	
23	Rehabilitation of RWSS						
23.1	Rongthong	Nos.	1	0.000	0.122	0.122	
23.2	Pangthang	Nos.	1	0.000	0.122	0.122	
23.3	Ritsangdung	Nos.	1	0.000	0.122	0.122	
23.4	Thragom	Nos.	1	0.000	0.122	0.122	
	Sub-total			0.000	0.488	0.488	
24	Spring Source Protection						
24.1	Yonphu lhakhang (5HH)	Nos.	1	0.000	0.013	0.013	
	Sub-total			0.000	0.013	0.013	
25	Construction of ORCs						
25.1	Kadami ORC (40HH)	Nos.	1	0.000	0.110	0.110	
25.2	Khathargo&Pangthang ORC (120HH)	Nos.	1	0.000	0.110	0.110	
	Sub-total			0.000	0.220	0.220	
	Total			0.000	1.249	1.249	

26	Construction of Lhakhang						
26.1	Rongthong Dungjurmani Lhakhang	Nos.	1	0.000	0.200	0.200	
	Sub-total			0.000	0.200	0.200	
27	Renovation of Lhakhang						
27.1	Shingchen Gonpa Lhakhang	Nos.	1	0.000	0.100	0.100	
	Sub-total			0.000	0.100	0.100	
28	Construction of gup's office						
28.1	Const. of gup's office at Thragom	No.	1	0.000	0.750	0.750	Helipad - Bodidrang
28.2	Diversion of storm water	No.	1	0.000	0.800	0.800	
28.3	Purchase of furniture/ equipment			0.000	0.150	0.150	
28.4	Establishment cost			0.370	0.000	0.370	
	Sub-total			0.370	1.700	2.070	
	Total			0.370	2.000	2.370	
	Grand total			0.370	14.243	14.613	

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.