

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



**TRASHIGANG DZONGKHAG
ROYAL GOVERNMENT OF BHUTAN**

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1. Current Situation

Khaling gewog has 19 villages with 508 households covering an area of 155 square kilometres.

Because of the mini hydel, over 300 households have access to electricity. Ten rural drinking water supply cover 70% of the gewog population with piped water supply.

The gewog has five schools with over 1,600 students. Primary school enrolment at 148% is one of the highest in the country. Child immunization coverage is 95%.

There are over 55 telephone connections mostly in Khaling proper. Four kilometres of internal feeder roads facilitate farm input supply and marketing of farm surplus. Maize, wheat and barley are the main cereal crops. Potato is grown for cash income.

Major land use types at Khaling gewog 1995 (ha)

Land use types	Land record data
Agricultural land	
Chhuzhing (wetland)	20
Kamzhing (dryland)	428
Pangzhing (grass fallow land)	24
Tseri (shifting cultivation land)	109
Mixed	-
Orchard	-
Total arable land	585

Source: Land record data: Survey of Bhutan (1995)

2. Summary of Gewog Plan Outlay

Sl. No.	Programme	Outlay			Remarks
		Current	Capital	Total	
1	Agriculture Program	0.000	1.811	1.811	
2	Livestock Program	0.000	0.717	0.717	
3	Forestry Program	0.000	0.513	0.513	
4	Education Program	0.000	3.030	3.030	
5	Health Program	0.000	0.664	0.664	
6	Mule Tracks & Suspension Bridges	0.000	3.185	3.185	
7	Gewog Administration	0.370	1.300	1.670	
	Total	0.370	11.220	11.590	

Nu.in million

3. Gewog Development Programmes

Agriculture Programs

Crop Improvement

Under the crop improvement program, demonstration and promotion of high yielding varieties of paddy, maize and oilseeds has been programmed during the ninth plan.

Horticultural Improvement

Improvement of the following horticultural commodities as prioritised by the farmers will be taken up in the ninth plan.

- Potato improvement
- Other temperate fruits (apple, plum) cultivation
- Vegetable cultivation
- Mushroom cultivation.

The objectives of the program are to raise rural income and nutritional status.

1. Demonstration on improved potato cultivation.
2. Establishment and demonstration of temperate fruit orchard.
3. Promotion of improved varieties of temperate fruit and vegetable/legume seeds.
4. Demonstration on off-season vegetable on commercial basis.
5. Demonstration on Shitake mushroom production.

Demonstration on SALT

To conserve soil fertility, it is proposed to conduct Slope Area Land Technology in the ninth plan.

Renovation of Khorda Irrigation Channel

To improve reliable supply of farm water, it is proposed to renovate the four km Khorda irrigation channel during the ninth plan.

Institutional and Capacity Development

Farmers study tour and training on improved crop cultivation and post harvest aspects are proposed to share experience with other farmers and to expose the farmers to other demonstrative activities within and outside the Dzongkhag.

Livestock Programs

Backyard Dairy Farming

Based on the priority of farmers at least 150 units of small scale backyard dairy farm with a minimum of two milking cows of improved breeds will be established. 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 households 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.

Piggery Backyard Farming

During the plan period, at least 25 units of backyard piggery farming will be set up 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 three jersey cross bulls and at least 1,200 doses of semen during the plan. Further, one halflinger stallion will be supplied to the remote village for breeding and two number of nublangs and mithun bull will be made available on cash and carry system.

Feed and Fodder Development

50 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 to improve the feeding of livestock and address the feed scarcity 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 and thereby changing the attitude of farmers.

Besides, 50 interested farmers will be taken for in-country study tour to different 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

To make 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 in their locality. Further, vocational training course on dairy husbandry will also be given to the interested farmers.

Livestock Promotion

In order to raise public awareness about the benefit of rearing improved breeds, cattle shows and exhibitions will be conducted during the ninth plan.

Forestry Programs

Private Forestry

The main objective of the private forestry is to promote tree planting in private registered land and ten acres of private land will be brought under private forestry with input of 4,2857 number of seedlings raised by the private nursery operator in the gewog.

Forest Fire Management

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 tours

Education Programs

Community Primary Schools

It is proposed to construct staff quarters, additional classrooms, administrative blocks, science laboratory, library, multipurpose halls, toilets and electrification for Barshong, Jerilemi and Brekha Community Primary Schools during the ninth plan.

Health Programs

Construction of New RWSS

Almost 90 households of Riserpeg, Brenang, Dangray, Kholdung, Tokaphu and Depangthang do not have access to safe drinking water supply. Hence, these villages have proposed for four new schemes in the ninth plan.

Spring Source Protection

The spring source for Liza and Kharshong villages will be protected with fencing during the ninth plan.

Construction of Mongnang Khola ORC

Mongnang Khola is near the road head and is two hours away by from the nearest BHU. It is very difficult to get transportation to go to the BHU and as such the construction of ORC has been proposed.

Suspension Bridge and Mule Track Programs

Construction of Mule Track

There is no mule track from Manchupangthang to Jeri and therefore two kms of mule track has been proposed in the ninth plan.

Construction and Renovation of Suspension Bridges

The construction of Gangri Zam, Lalung Zam and Manchu Zam with renovation of Lemi Zam have been proposed during the ninth plan.

Telecom Programs

Rural Telecommunications

Request for installation of telephones in Brekha Primary Schools, Jiri Community School, Barshong Primary School, Gup's Office, Brekha Lhaxhang and RNR-EC office has been made during the ninth plan.

Gewog Administration and Management Programs

Construction of Lhaxhangs at Brekha and Barshong Goenpa

As there is no community lhaxhang at Brekha and Barshong village, one new lhaxhang each is proposed at Brekha and Barshong village with support from the government.

Construction of Gup's Office at Drangzemo

Drangzemo is a central location of the gewog and people have proposed to construct gup's office as there is no permanent office. Further, to enable the Gup to shoulder the ever increasing roles and responsibilities, it is proposed to strengthen the Gup's office with furniture, office equipment and stationary.

Renovation of Crematorium

Public from the southern Trashigang are using the crematorium at Khaling for funeral. However, the existing crematorium needs renovation with construction of water supply, drainage, electrification and shed construction.

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						
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	Oilseeds Improvement						
3.1	Demonstration on mustard	Nos.	10	0.000	0.050	0.050	
3.2	Promotion of HYV	Acre.	50	0.000	0.005	0.005	
	Sub-total			0.000	0.055	0.055	
4	Horticulture Improvement						
4.1	Demonstration on Potato	Nos.	15	0.000	0.075	0.075	
4.2	Promotion of temperate fruits	Acre.	10	0.000	0.020	0.020	

4.3	Demo. of temperate fruits orchard	Nos.	10	0.000	0.050	0.050	
4.4	Demo. on veg./legume cultivation	Nos.	20	0.000	0.020	0.020	
4.5	Promo. Of vegetable & legumes	Pkts	5000	0.000	0.100	0.100	
4.6	Demo. on Shitake cultivation	Billet	1000	0.000	0.004	0.004	
	Sub-total			0.000	0.269	0.269	
3	Rural livelihood support						
3.1	Renovation of Khorda channel	km	4	0.000	0.600	0.600	
3.2	Catchment area protection			0.000	0.100	0.100	
	Sub-total			0.000	0.700	0.700	
4	Demonstration of SALT						
4.1	Demonstration on SALT	Nos.	5	0.000	0.500	0.500	
	Sub-total			0.000	0.500	0.500	
5	Institutional Capacity Develop.						
5.1	Farmers trg. on crop culti./irrig.	HH.	520	0.000	0.078	0.078	
5.2	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	1.811	1.811	
6	Livestok Breed Improvement						
6.1	Backyard poultry farming	Unit	50	0.000	0.000	0.000	BDFC loan
6.2	Backyard Piggery farming	Unit	25	0.000	0.000	0.000	BDFC loan
6.3	Backyard Dairy farming (Jersey)	Unit	150	0.000	0.000	0.000	BDFC loan
6.4	Sale of Nublang bull	Nos	2	0.000	0.000	0.000	
6.5	Supply of JerseyCross Bull	Nos.	3	0.000	0.024	0.024	
6.6	Sale of Mithun bull	Nos	1	0.000	0.000	0.000	
6.7	Sale of Halfinger stallion	Nos	1	0.000	0.016	0.016	
6.8	Cattle improvement – AI	Dose	1200	0.000	0.120	0.120	
	Sub-total			0.000	0.160	0.160	
7	Feed & Fodder Development						
7.1	Pasture development	Acre	50	0.000	0.100	0.100	
7.2	Fodder tree plantation	Nos	8000	0.000	0.032	0.032	
	Sub-total			0.000	0.132	0.132	
8	Institutional Capacity Develop.						
8.1	Farmers trg on dairy, poultry,						
8.2	piggery and pasture	Nos	1000	0.000	0.280	0.280	
8.3	Farmers study tour	Nos	50	0.000	0.050	0.050	
	Sub-total			0.000	0.330	0.330	
9	Training of VAHWs						
9.1	VAHW training	Nos	5	0.000	0.025	0.025	
9.2	Backyard piggery	Nos	2	0.000	0.020	0.020	
	Sub total			0.000	0.045	0.045	
10	Livestock Promotion						
10.1	Cattle show	Nos	1	0.000	0.050	0.050	

	Sub-total			0.000	0.050	0.050	
	Total			0.000	0.717	0.717	
11	Private Forestry						
11.1	Private Forestry	Acre	10	0.000	0.005	0.005	Nu. 500/- acre
11.2	Private Nursery	Nos	42857	0.000	0.172	0.172	Nu. 4/- seedling
	Sub-total			0.000	0.177	0.177	
12	Fire Management						
12.1	Fire management		2	0.000	0.040	0.040	
	Sub-total			0.000	0.040	0.040	
13	Institutional Capacity Develop.						
13.1	Nursery training	Nos	2	0.000	0.090	0.090	
13.2	Forest fire control training	Nos	2	0.000	0.036	0.036	
13.3	Farmers study tour	Nos	2	0.000	0.140	0.140	
13.4	Environmental awareness	Nos	2	0.000	0.030	0.030	
	Sub-total			0.000	0.296	0.296	
	Total			0.000	0.513	0.513	
14	Barshong Community PS						
14.1	Const.of staff qtrs double unit		2	0.000	0.300	0.300	
14.2	Const. of 6 units aqua privy toilets		1	0.000	0.100	0.100	
14.3	Renovation and expansion			0.000	0.100	0.100	
14.4	Purchase of office equipment			0.000	0.080	0.080	
14.5	Purchase of furniture			0.000	0.150	0.150	
14.6	Library Books			0.000	0.150	0.150	
14.7	Purchase of computers		3	0.000	0.160	0.160	
14.8	Establishment Cost			0.000	0.000	0.000	Estab.cost Nu.3.398
	Sub-total			0.000	1.040	1.040	
15	Jerilemy Community PS						
15.1	Const. of class room tripple unit		1	0.000	0.300	0.300	
15.2	Const. of staff qtr – double unit		1	0.000	0.000	0.000	
15.3	Const. of aqua privy toilet 6 units		1	0.000	0.100	0.100	
15.4	Renovation and expansion			0.000	0.100	0.100	
15.5	Purchase of office equipment			0.000	0.080	0.080	
15.6	Purchase of furniture			0.000	0.150	0.150	
15.7	Library Books			0.000	0.150	0.150	
15.8	Purchase of computers		3	0.000	0.160	0.160	
15.9	Establishment Cost			0.000	0.000	0.000	Estab.cost Nu.4.497
	Sub-total			0.000	1.040	1.040	
16	Brekha Community PS						
16.1	Construction of classrooms		1	0.000	0.300	0.300	
16.2	Const. of staff qtrs double unit		1	0.000	0.200	0.200	

16.3	Purchase of furniture			0.000	0.060	0.060	Estab.cost Nu.6.306
16.4	Purchase of office equipment			0.000	0.080	0.080	
16.5	Library Books			0.000	0.150	0.150	
16.6	Purchase of computers		3	0.000	0.160	0.160	
16.7	Establishment Cost			0.000	0.000	0.000	
	Sub-total			0.000	0.950	0.950	
	Total			0.000	3.030	3.030	
17	Construction of RWSS						
17.1	Reserpeg	Nos.	1	0.000	0.132	0.132	
17.2	Brenang, Dangray, Kholdung	Nos.	1	0.000	0.132	0.132	
17.3	Tokaphu (18HH)	Nos.	1	0.000	0.132	0.132	
17.4	Depangthang (7HH)	Nos.	1	0.000	0.132	0.132	
	Sub-total			0.000	0.528	0.528	
18	Spring Sources Protection						
18.1	Spring source prot. at Liza (5HH)	Nos.	1	0.000	0.013	0.013	
18.2	Spring source prot. at Kharshong	Nos.	1	0.000	0.013	0.013	
	Sub-total			0.000	0.026	0.026	
19	Construction of ORCs						
19.1	ORC constr. at Mongnang Khola	Nos.	1	0.000	0.110	0.110	
	Sub-total			0.000	0.110	0.110	
	Total			0.000	0.664	0.664	
20	Construction of Mule Tracks						
20.1	Manchupangthang to Jeri	Km	2	0.000	0.020	0.020	
	Sub-total			0.000	0.020	0.020	
21	Const. of Suspension Bridges						
21.1	New Bridge const. at Gangri Zam	Nos.	1	0.000	0.955	0.955	
21.2	Construction of Lalungdrang Zam	Nos.	1	0.000	0.955	0.955	
21.3	Const. of Manchu Zam on Jerichu	Nos.	1	0.000	0.955	0.955	
21.4	Major reno.of Lemi zam on Jerichu	Nos.	1	0.000	0.300	0.300	
	Sub-total			0.000	3.165	3.165	
	Total			0.000	3.185	3.185	
22	Construction of Lhakhangs						
22.1	Brekha	Nos.	1	0.000	0.100	0.100	
22.2	Barshong Shedra	Nos.	1	0.000	0.100	0.100	
	Sub-total			0.000	0.200	0.200	
23	Construction of Gup's Office						
23.1	Gup office at Drangzemo	Nos	1	0.000	0.750	0.750	

23.2	Purchase of equipment			0.000	0.150	0.150	
23.3	Establishment cost			0.370	0.000	0.370	
Sub-total				0.370	0.900	1.270	
24	Renovation of crematorium						
24.1	Khaling crematorium			0.000	0.200	0.200	
Sub-total				0.000	0.200	0.200	
Total				0.370	1.300	1.670	
Grand Total				0.370	11.220	11.590	

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 Tshopgas. The implementation of the Quarterly Work Plan will be the responsibility of the Gup and the Tshopgas 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.