

CHHUME GEWOG
NINTH PLAN
(2002-2007)



BUMTHANG DZONGKHAG
ROYAL GOVERNMENT OF BHUTAN

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1 Current Situation

Chhume gewog is located in the south-western part of Bumthang Dzongkhag, covering an area of about 404 square kilometers with 291 households. It is bordered by Chhoekhor Gewog to the north, Ura Gewog to the east, Trongsa Dzongkhag to the west and Zhemgang Dzongkhag to the south. The Gewog has a cool temperate climate, with altitude ranging from 2200 to 4485 meters above sea level.

The east-west highway touches major settlements of the Gewog. The mini hydropower house at Nangar supplies electricity to about 170 households of the gewog. It has four schools with total student population of 763. The gewog has very good education coverage, with a majority of households within one hour's walking distance from the nearest primary school. It is estimated that GPER for Chhume Gewog is 101% while intake rate at PP is 100%. The Gewog also has a Non-Formal Education centre with 22 candidates. It has three Out Reach Clinics (ORC) and a BHU providing health care services to the Gewog. Over 70% of the population of the gewog has access to drinking water supply and sanitation.

The main livelihood of the population is agriculture, livestock rearing and 'Yathra' weaving.

Land Use Types in Chhume Geog

Sl. No.	Land Use Types	Area (in Ha)
1	Pangzhing	1663
2	Tseri	9
3	Conifer Forest	32451
4	Scrub Forest	1957
5	Rock Outcrop	1060
6	Water Bodies	136
7	Improved Pasture	13
8	Natural Pasture	3057
9	Settlement	10

Source: Land Use and Statistics Section, PPD/MoA

2 Gewog Plan Outlay

Sl. #	Sectors	Nu. In Million			
		Rec.	Cap.	Total	Remarks
1	Agriculture Program	0.000	2.933	2.933	
2	Livestock Program	0.000	1.246	1.246	
3	Forestry Program	0.000	1.334	1.334	
4	Education Program	0.000	2.100	2.100	
5	Health Program	0.000	0.638	0.638	
6	Suspension Bridge & Mule Track Program	0.000	1.121	1.121	
7	Geog Administration Program	0.475	1.925	2.400	
	Geog Grand Total	0.475	11.297	11.772	

3 Geog Development Programs

Agriculture Programs

a) Cereal Crops Development Activities

The people of Chhume Gewog has identified wheat, barley and oilseed as priority crops for their Gewog during the Ninth Plan. Therefore, production of these crops will be given priority through conducting farmers training, demonstration, on farm trials, holding field days, discussion and supply of improved seeds.

b) Horticulture Development Programme

The people of Chhume Gewog has identified walnut, apple, potato, asparagus, vegetables and apiculture as priority cash crops for their gewog during the Ninth Plan. Therefore, production of these crops will be given priority through conducting farmers training, demonstration, on farm trials, holding field days, discussion, supply of improved seeds and seedlings.

c) Construction of new Irrigation Channel

About 0.4 Km of irrigation channel shall be constructed in the Gewog during the Ninth Plan.

d) Farm road construction

About two kilometer of farm road shall be constructed in Zhuri-Kertshog and Zhi-chhag villages during the Ninth Plan. The proposed roads will benefit about 72 households in transporting their agricultural inputs and produces.

e) Farm mechanisation

To mitigate the farm labour shortage and to mechanize the farming system for better productivity, people of Chhume Gewog has requested for supply of various farm machineries like Kubota Tractor, Power Tiller, wheat/power thresher, Flour Mill and potato chips machine during the Ninth Plan.

f) Institutional/Capacity Development Program under Agriculture

Study tours within the Dzongkhag and to other Dzongkhags shall be organised for the farmers of the Gewog to share experiences with other farmers and to expose to other demonstrative activities to inculcate learning by seeing.

Further, in order to have an organised system of income generation, people shall be encouraged to form farmers interest group like “Yathra Weavers Association” to facilitate marginal weavers to find outlet for their product and enhance their income.

Livestock Program

a) Livestock Breed developments

With an objective to improve livestock breed and its products, the Dzongkhag will procure and distribute seven Brown Swiss bull, two jersey bulls, two yak bulls, seven rams, 11 Mithuns, five donkey, 822 pullets, 180 ewes, eight piglets and three stallions as per demand of the farmers during the Ninth Plan. A total of 3197 Kgs of pasture seeds will also be distributed to the farmers to develop 278 acres of pastureland to meet the feed requirement.

To make animal health services cost effective and efficient at Gewog level, six Village Animal Health Workers (VAHWs) from different villages under the Gewog shall be trained in basic and simple animal treatment during the Ninth Plan.

b) Backyard Farm

Farmers shall be encouraged to establish small-scale livestock backyard farms. Therefore, six dairy, four poultry and one piggery backyard farms shall be established during the Ninth Plan.

c) Institution and capacity building program under Livestock

A total of 850 farmers shall be trained under different livestock management system with an objective to enhance skills and knowledge of the farmers on improved livestock management. Further, about 95 selected farmers shall also be taken for study tour to different farms and Dzongkhags to share experiences and observe livestock management.

Further, advanced equipment like butter churning machine, wool processing equipment and other labour saving devices shall be made available as per demand.

Forestry Programs

a) Private Forestry

With an objective to promote tree planting in private registered land to reduce pressure on the government reserved forest for meeting firewood, timber and other forest produces, about 560 acres of private land shall be registered as private forest which will benefit 291 households under the Gewog. About 7,000 tree seedlings will be distributed to the farmers to plant in their private forest and ownership certificate will be issued.

b) 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. The Dzongkhag shall establish a community forestry in the Gewog during the Ninth Plan on a pilot base since the concept of community forestry is still new to the people. The government shall provide fencing and other necessary assistance.

c) *Forest Fire Management*

To have an effective forest fire control, the Forestry sector shall purchase fire-fighting equipment and distribute to the gewog. It is also proposed to demarcate fire line to prevent forest fire out break.

d) *Watershed Management*

The Dzongkhag Forestry sector together with the Territorial Forest Division and the concerned beneficiaries will demarcate critical water source/watershed areas where the water sources are at risk from disturbance by human and animal interference. A management plan for their protection will be prepared and implemented.

e) *Farmers Training*

To create awareness on Forest & Nature Conservation Rules and enhancing the knowledge on Forest management among the people, following training programmes shall be carried out during the Ninth Plan:

- Farmers training on Private Forestry establishment and management
- Farmers training on Community Forestry establishment and management
- Farmers training on Rural Timber Supply rules and procedures
- Farmers training on Forest fire management

f) *Farmers study tour*

Forestry sector shall organize farmers study tour to both outside and within the Dzongkhag in order to enhance farmer's knowledge and familiarize themselves with the forestry activities of other Dzongkhags.

Education Programs

a) *Construction of new Zung Ngey Community School & Maintenance of existing Community Schools*

A new Community Primary School shall be established at Zung-Ngey in order to place school closer to the communities. It will accommodate about 250 students presently studying in Chhume High School and cater to about five villages with 107 households and, children of power colony and national workforce. The respective communities shall construct and maintain the schools while the government shall provide roofing materials and furniture.

Further, existing Geytsa and Chungphel Community Schools shall be renovated and furniture and other necessary office equipment shall be provided.

Health Programs

a) Environmental Hygiene

The Dzongkhag shall stress on environmental hygiene and sanitation and the health sector shall encourage the people to dig garbage pits to dispose off non-degradable waste in each cluster of village. The existing footpath in the villages shall be improved and construction of latrine for each households and keeping the animals away from the houses shall be encouraged.

b) Rural Water Supply Scheme Programme (RWSS)

It is proposed to construct two new RWSS for Zhicha village and BHU during the Ninth Plan. Two existing RWSS of Trakar and Zungye shall also be rehabilitated during the Plan. The beneficiaries shall contribute unskilled labour and the Dzongkhag shall be requested to provide materials and skilled labour. Further, about 10 Spring Protection shall be provided to the Gewog.

Suspension Bridge and Mule Track Programs

a) Construction of Bridge

It is proposed to construct a bridge over Chhume Chhu which will benefit Ungsang and Throme villages with 17 households. The beneficiaries shall contribute unskilled labour and the Dzongkhag shall be requested to provide materials and skilled labour.

b) Maintenance of Bridges

The four existing suspension bridges will be renovated from time to time to make them safe for travel.

c) Mule Track

The mule track to Chungphel with 32 households shall be improved to make it more user friendly.

Gewog Administration Programs

a) Construction of Gup's Office

Since Chhume Gewog does not have a proper office for the Gup, the people have proposed to construct a Gup's Office on a priority basis during the Ninth Plan.

4 Budget Estimate

Nu. in million

Sl. #	Activities	Unit	Target	Budget			Remarks
				Rec.	Cap.	Total	
1	Cereal Improvement Program						
A	Wheat Development Activities:						
a	Farmers training	HH	148	0.000	0.022	0.022	
b	Demonstration	No	5	0.000	0.025	0.025	
c	Field day	No	5	0.000	0.025	0.025	
d	On-farm trials	No	3	0.000	0.003	0.003	
e	Supply of seeds	Kg		0.000	0.000	0.000	On demand basis.
	Sub-total			0.000	0.075	0.075	
B	Oilseed Development Activities:						
a	Farmers training	HH	101	0.000	0.015	0.015	
b	Demonstration	No	7	0.000	0.035	0.035	
c	Field day	No	7	0.000	0.035	0.035	
d	On-farm trials	No	4	0.000	0.004	0.004	
e	Supply of seeds	Kg		0.000	0.000	0.000	On demand basis.
	Sub-total			0.000	0.089	0.089	
C	Barley Development Activities:						
a	Farmers training	HH	54	0.000	0.012	0.012	
b	Demonstration	No	4	0.000	0.025	0.025	
c	Field day	No	4	0.000	0.025	0.025	
d	On-farm trials	No	2	0.000	0.004	0.004	
e	Supply of seeds	Kg		0.000	0.000	0.000	On demand basis.
	Sub-total			0.000	0.066	0.066	
D	Paddy Development Activities:						
a	Farmers training	HH	58	0.000	0.009	0.009	
b	Demonstration	No	3	0.000	0.015	0.015	
c	Field day	No	3	0.000	0.015	0.015	
d	Supply of seeds	Kg		0.000	0.000	0.000	On demand basis.
	Sub-total			0.000	0.039	0.039	
2	Horticulture Program						
A	Walnut Development Activities:						
a	Farmers training	HH	21	0.000	0.003	0.003	
b	Demonstration	No	2	0.000	0.010	0.010	
c	Field day	No	1	0.000	0.005	0.005	
d	Supply of seedlings	No		0.000	0.000	0.000	On demand basis.
	Sub-total			0.000	0.018	0.018	
B	Apple Development Activities:						
a	Farmers training	HH	29	0.000	0.015	0.015	
b	Demonstration	No	10	0.000	0.050	0.050	

c	Field day	No	3	0.000	0.015	0.015	
d	On-farm Trials	No	5	0.000	0.005	0.005	On demand basis.
	Sub-total			0.000	0.085	0.085	
3	Potato Development Activities:						
a	Farmers training	HH	240	0.000	0.036	0.036	
b	Demonstration	No	3	0.000	0.015	0.015	
c	Field day	No	3	0.000	0.015	0.015	
d	On-farm trials	No	5	0.000	0.005	0.005	
e	Supply of seedlings	MT		0.000	0.000	0.000	On demand basis.
	Sub-total			0.000	0.071	0.071	
4	Asparagus Dev. Activities						
a	Farmers training	HH	68	0.000	0.010	0.010	
b	Demonstration	No	5	0.000	0.025	0.025	
c	Field day	No	5	0.000	0.025	0.025	
d	Supply of seedlings	No		0.000	0.000	0.000	On demand basis.
	Sub-total			0.000	0.060	0.060	
5	Apiculture Dev. Activities						
a	Farmers training	HH	10	0.000	0.002	0.002	
	Sub-total			0.000	0.002	0.002	
6	Kitchen Garden Activities						
a	Farmers training	HH	200	0.000	0.030	0.030	
b	Demonstration	No	3	0.000	0.015	0.015	
c	Field day	No	5	0.000	0.025	0.025	
d	Supply of seedlings	No		0.000	0.000	0.000	On demand basis.
	Sub-total			0.000	0.070	0.070	
7	Irrigation Dev. Program						
a	Constn. of new irrigation channel	Km	0.4	0.000	0.120	0.120	
	Sub-total			0.000	0.120	0.120	
8	Farm Road construction						
a	Farm road construction	Km	2	0.000	2.000	2.000	
	Sub-total			0.000	2.000	2.000	
9	Farmers Study Tour						
a	Within the Dzongkhag	HH	257	0.000	0.068	0.068	
b	To other Dzongkhags	HH	40	0.000	0.170	0.170	
	Sub-total			0.000	0.238	0.238	
	Agriculture Total			0.000	2.933	2.933	
10	Cattle Breed Dev. Program						
a	Supply of Brown Swiss Bull	No.	7	0.000	0.084	0.084	
b	Supply of Jersey Bulls	No.	2	0.000	0.024	0.024	
c	Supply of yak bull	No.	2	0.000	0.000	0.000	Sale at full cost.

d	Supply of rams	No.	7	0.000	0.007	0.007	
e	Supply of Mithun Bulls	No.	11	0.000	0.000	0.000	Sale at full cost.
f	Supply of Nublangs	No.		0.000	0.000	0.000	Sale at full cost.
g	Supply of Donkey	No.	5	0.000	0.000	0.000	Sale at full cost.
h	Supply of pullets	No.	822	0.000	0.000	0.000	Sale at full cost.
I	Supply of Ewe	No.	180	0.000	0.000	0.000	Sale at full cost.
j	Supply of Piglets	No.	8	0.000	0.000	0.000	Sale at full cost.
k	Cattle show	No.	3	0.000	0.090	0.090	
l	Supply of Stallion (spiti)	No.	3	0.000	0.030	0.030	
	Sub-total			0.000	0.235	0.235	
11	Pasture & Fodder Dev. Program						
a	Pasture Development	Acre	278	0.000	0.216	0.216	
	Sub-total			0.000	0.216	0.216	
12	Animal Health Program						
a	Training of Village Animal	Nos	6	0.000	0.060	0.060	
	Health Worker (VAHW)						
b	Vaccination			0.000	0.002	0.002	
	Sub-total			0.000	0.062	0.062	
13	Farmers Training:						
a	Dairy Management	HH	400	0.000	0.060	0.060	
b	Poultry Management	HH	100	0.000	0.015	0.015	
c	Pasture Management	HH	200	0.000	0.030	0.030	
d	Yak Husbandry	HH	50	0.000	0.008	0.008	
e	Sheep Husbandry Training	HH	100	0.000	0.015	0.015	
	Sub-total			0.000	0.128	0.128	
14	Study tour	HH	95	0.000	0.475	0.475	
	Sub-total			0.000	0.475	0.475	
15	Supply of Livestock Equipment						
a	Butter Churner	No.		0.000	0.000	0.000	Full cost
b	Wool processing eqpt	set	15	0.000	0.030	0.030	
	Sub-total			0.000	0.030	0.030	
16	Formation of Milk Co-operative			0.000	0.100	0.100	
	Sub-total			0.000	0.100	0.100	
17	Establishment of Backyard Farm						
	a. Dairy	Nos	6	0.000	0.000	0.000	At farmer's cost.
	b. Poultry	Nos	4	0.000	0.000	0.000	At farmer's cost.
	Sub-total			0.000	0.000	0.000	
	Livestock Total			0.000	1.246	1.246	
18	Private Forestry Activities:						
a	Supply of Seedlings	No	7,000	0.000	0.043	0.043	

c	Issue of ownership certificate	No	200	0.000	0.030	0.030	
	Sub-total			0.000	0.073	0.073	
19	Community Forestry Activities:						
a	Purchase of fencing materials	Hec.	50	0.000	0.425	0.425	
b	Preparation of Management Plan	No	1	0.000	0.025	0.025	
	Sub-total			0.000	0.450	0.450	
20	Fire Management Program:						
a	Supply of fire fighting equipment	Set	2	0.000	0.100	0.100	
b	Demarcation of fire line	Km	3	0.000	0.045	0.045	
c	Refreshment for fire fighters			0.000	0.060	0.060	
	Sub Total			0.000	0.205	0.205	
21	Farmers Training						
a	Training on Private Forestry	No	200	0.000	0.030	0.030	
b	Training on Community Forestry	No	200	0.000	0.030	0.030	
c	Training on Rural Timber Supply	No	150	0.000	0.023	0.023	
d	Training on Forest fire M'ment	No	150	0.000	0.023	0.023	
	Sub Total			0.000	0.106	0.106	
22	Farmers Study tour						
a	To other Dzongkhags	No	5	0.000	0.300	0.300	
b	Within the Dzongkhag	No	10	0.000	0.200	0.200	
	Sub Total			0.000	0.500	0.500	
	Forestry Total			0.000	1.334	1.334	
23	Zungye new Com. School						
a	Supply of construction materials			0.000	0.500	0.500	
b	Supply of furniture			0.000	0.200	0.200	
	Sub Total			0.000	0.700	0.700	
24	Geytsa Com. School						
a	Supply of construction materials			0.000	0.500	0.500	
b	Supply of furniture			0.000	0.200	0.200	
	Sub Total			0.000	0.700	0.700	
25	Chungphel Com. School						
a	Supply of construction materials			0.000	0.500	0.500	
b	Supply of furniture			0.000	0.200	0.200	
	Sub Total			0.000	0.700	0.700	
	Education Total			0.000	2.100	2.100	
26	Health Program:						
a	New Rural Water Supply Scheme	No.	2	0.000	0.264	0.264	
a	Rehabilitation of RWSS	No.	2	0.000	0.244	0.244	
d	Spring Source Protection	No.	10	0.000	0.130	0.130	

	Sub Total			0.000	0.638	0.638	
	Health Total			0.000	0.638	0.638	
27	Suspension Bridge & Mule						
	Track Program:						
a	Constn. of new S'pension Bridge	No	1	0.000	0.955	0.955	
b	Maintenance of S'pension Bridges	No	4	0.000	0.016	0.016	
c	Improvement of Mule Tracks	km	7	0.000	0.150	0.150	
	Sub Total			0.000	1.121	1.121	
	SB & Mule Track Total			0.000	1.121	1.121	
28	Geog Administration						
a	Maintenance of Gup's Office	No.	1	0.000	0.050	0.050	
b	Electrification of Gup's Office			0.000	0.050	0.050	
c	Office equipment and Furniture			0.000	0.150	0.150	
d	GYT Training			0.000	0.075	0.075	
e	Renovation of Com. Lhakhangs			0.000	1.600	1.600	
d	Establishment Cost			0.475	0.000	0.475	
	Sub Total			0.475	1.925	2.400	
	Geog Adm. Total			0.475	1.925	2.400	
	Geog Grand Total			0.475	11.297	11.772	

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.