

LANGTHIL GEWOG
NINTH PLAN
(2002-2007)



TRONGSA DZONGKHAG
ROYAL GOVERNMENT OF BHUTAN

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1. Current Situation

Langthil gewog is located in the southern part of the Dzongkhag. The gewog has a total area of approximately 508.4 Sq. Km with an elevation ranging from about 900 meters to 2000 meters above sea level.

The gewog has 15 villages namely, Namther, Dangdung, Beling, Ngadag, Enducholing, Yurmoo, Baling, Kosela, Pangzur, Pungzurmani, Jangbi, Wangling, Tsheling, Ngormey and Baezam. The gewog has 332 households. Many of the villages have access to Trongsa- Gaylegphu highway making the delivery of development inputs/resources easy. The Mangdichu flows through the gewog with the right side of the river falling under Black Mountain National Park.

A Junior High School and two community schools provide education while health services are provided by two Basic Health Units and six Outreach clinics. One RNR center provides extension services in the gewog.

Langthil gewog enjoys a warm sub-tropical climate. The soil type found is sandy loam and clayey loam and in general is fertile and good for agriculture.

2. Summary of Gewog Plan Outlay

Nu. In million

Sl.#	Program	Budget Outlay			Remarks
		Current	Capital	Total	
1	Agriculture		8.474	8.474	
2	Livestock		0.853	0.853	
3	Forestry		1.355	1.355	
4	Health		0.540	0.540	
5	Education		1.580	1.580	
6	Road (Mule track & Suspension Bridges)		1.075	1.075	
7	Gewog Administration	1.500	3.550	5.050	
	Total	1.500	17.427	18.927	

3. Gewog Development Programs

Agriculture Programs

Construction and Renovation of irrigation channel: It is proposed to construct six km of irrigation channel and renovate two km of existing irrigation channel at Jongkhey during the Ninth Plan. The new construction is proposed at Maychu (three km) and three km extension at Dangdung. The proposed new construction will benefit more than 100 households and irrigate a command area of more than 60 acres.

During the Ninth Plan farmers will also be given training on maintenance and management of irrigation channel to sustain the schemes in future.

Construction of new farm road: Three km farm roads construction from Endocholing to Namther is proposed during the Ninth Plan. This road will benefit about 118 households with command area of about 300 acres of land. It is also proposed to improve the 2.5 km long Endocholing farm road.

Crop Promotion Program

Paddy Improvement: To increase the paddy production from 87 MT to 100 MT the following activities are identified for the Ninth Plan period.

- Farmers training
- Demonstration (Langthil, Dangdung, Endocholing, Bayling, and Jangbi)
- On Farm trails (Bayling, Balling, Endocholing, Dangdung, Namther)
- Supply of improved variety paddy seeds

Wheat Improvement: Under this sub-program, it is targeted to increase wheat production from 10 MT to 15 MT in the Ninth Plan. To achieve this target, the following activities are identified:

- Farmers training
- Demonstration (Wangling, Urumo, Ngormay, Pangzor, and Koshala)
- On Farm Trials (Dangdung, Bezam, Ngada, Endocholing and Bayling)
- Supply of improved variety seeds

Vegetable Production: In order to increase vegetable production from 33 MT to 40 MT, the following activities are identified:

- Farmers training
- Field days

Horticulture Promotion Program

Ginger Production: In order to increase ginger production from two MT to four MT, the following activities are identified:

- Farmers training (Pangzure, Bayling, Balling and Bezam)
- Demonstration (Langthil, Ngormay and Koshala)

Mandarin production: It is targeted to increase mandarin production from 45 MT to 60 MT. To promote this sub-program the following activities are identified:

- Farmers training (Endocholing, Ngormay, Bezam, Bayling, Jangbi and Balling)
- Demonstration on mandarin (Endocholing, Koshala, Bezam, Balling, Jangbi)
- Supply of improved varieties mandarin

Mango Production: In order to increase mango production in the Ninth Plan, the following activities are identified:

- Farmers training (Endocholing, Koshala, Bezam, Ngormay, and Jangbi)
- Demonstration (Koshala, Bezam, Endocholing, Ngormay and Jangbi)
- Supply of improved variety seedlings

Farm machineries: The farmers proposed to purchase farm machineries to overcome the farm labour shortage. The details are shown in the budget estimate table.

Farmers' study tour: To share experience with other farmers and to expose the farmers to other demonstrative activities within and outside the dzongkhags to inculcate learning by seeing, 160 farmers are targeted for study tour within and outside the Dzongkhag.

Livestock Programs

Establishment of backyard farms: To increase cash income as well as to increase the nutritional intake calories, farmers will be encouraged to establish backyard farms. The dzongkhag livestock sector will provide the necessary training, technical support, and procurement of input supply and help acquire loan from BDFC.

Breed Improvement: Supply of five Jersey bulls, one Brown Swiss bull, three stallions, and nine Mithun bulls are proposed for breed improvement during the Ninth Plan period. The AI facilities shall be extended to the villages accessible by road.

Improvement of pastureland: To meet the requirement of feed shortage in the gewog, 1,133 kgs of pasture seeds will be distributed on subsidized cost for development of 103 acres of sub-tropical pasture and 43 acres for winter fodder development with oat species.

Farmers' training/study tour: To increase capacity in the management of backyard farms and to sustain extension services such as deworming, vaccination and treatment, etc. the following trainings will be organized for the farmers.

- Training of VAHW. - 10 Nos
- Training on dairy husbandry - 190 HH
- Training on poultry husbandry - 60 HH
- Training on piggery - 30 HH
- Training on pasture management - 50 HH
- Study tour

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 under this program, 18 acres of private land will be registered as private forest, which will benefit 57 households. To help in the establishment of private forest, 60,000 numbers of tree seedlings, free of cost, will be distributed to the farmers to plant in their private forest. The table below gives the number of households and acreage involved in private forestry program under Langthil gewog during ninth plan.

	Village	No. of Households	Area (in acres)
1.	Endocholing	5	2
2.	Balling	7	5
3.	Langthil	15	5
4.	Dangdung	2	1
5.	Ngormey	12	3
6.	Bayling	8	1
7.	Yurmoo	7	1
8.	Ngadang	1	1
	Total	57	18

Cultivation of medicinal plants: Langthil gewog is selected as one of the centres for the collection of the medicinal plants (Thromen) for manufacturing the traditional medicine at NITM, Thimphu and about one acre of land shall be brought under nursery raising on pilot basis.

Community forest: During the Ninth Plan, Monpa community proposed to bring about 30 acres of land under cane and bamboo plantation. The dzongkhag shall also carry out some research on the propagation of the different species of cane and bamboo.

Tseri conversion: Since shifting cultivation is the major contributors of environmental degradation, some research and trial activities will be carried out in accordance with the need of the people by the dzongkhag in collaboration with the central research centres.

Forest Fire Protection: As the communities are mostly dependant on the Tseri cultivation and during the course of burning the land they normally set out forest fire. As a result, the gewog has proposed the formation of a fire-fighting group in each village, to prevent forest fire out break.

The community will also prepare at least 30 km fire line in the fire prone areas. For the fire fighter groups, it is proposed to supply 12 sets of fire fighting equipments, which will be purchased by the Dzongkhag and distribute to the gewog.

Farmers training: In order to educate and create awareness on the environmental conservation, about 360 people will be given training on general social forestry activities, forest fire protection and “ Forest and Nature Conservation Rules 2000”.

Health Programs

Construction of Out Reach Clinic at Kartogang: Kartogang village have to travel more than two hours to access health services after the Langthil BHU was relocated to Tongtongfey. In order to expand MCH services and to reduce travel burden one ORC is proposed at Kartogang during the Ninth Plan.

Construction and Renovation of RWSS: The RWSS coverage under Langthil gewog is about 73%, which is quite low. In order to meet the goal for universal access to safe drinking water, the following activities are proposed during the Ninth Plan period.

Sl. #	New Scheme	Location	No. of Households	Remarks
1	Langthil	Langthil	43	Source insufficient
2	Gangphel	Gangphel	13	New construction
3	Baseling	Baseling	7	New construction
4	Takshela	Takshela	8	New construction
5	Jangbi	Jangbi	10 HH & School	New construction
6	Khosela	Khosela	5 HH & Labor camp	New construction
7	Beling	Beling	3	New construction
8	Kubdrak	Kubdrak	3	Dirty water
9	Lepagang	Lepagang	3	1hr. walking distance
10	Rewtala	Rewtala	2	2 hr source
11	Dangdung & Lhakhang	Dangdung	3	Spring Protection
12	Wangling	Wangling	3	Renovation

Model Village Development: The community has understood model village concept and the people are ready to develop more villages as model villages. Footpath, animal sheds, latrines and garbage disposal pits will be constructed in every households. The households with inadequate sanitary facilities will be targeted.

Training/workshop: Besides regular training for the village health workers, training/workshops will be organized on maintenance of RWSS for sustenance. With the rise of HIV epidemic globally and increase in number of other sexually transmitted diseases, workshops will be organized to sensitize the public.

Education Programs

Langthil gewog has a Junior High school and two community schools.

Education Coverage

Name of Village	No. of House holds	Distance from School	School
Langthil	45	30 min.	Langthil Jr. high
Endocholing	45	120 min.	School
Dungdung	43	120 min.	
Koshila	14	150 min.	
Wangling	15	150 min.	
Sheling	12	150 min.	
Beyzam	12	180 min.	
Pangjure	18	300 min.	
Namther	18	55 min.	
Beyling	35	60 min.	
Balling	30	35 min.	Balling CS
Jangbi	8	40 min.	Jangbi CPS
Phomzur	16	60 min.	
Ngadang	12	90 min	

Non-Formal Education centres in the Gewog

Name of the Centre	No. of learners	Level
1. Langthil	41	PLP
2. Jangbi	15	BLP
3. Balling	42	BLP

Establishment of new community school at Kartogang: The Kartogang community proposed to establish one community school at Kartogang, as it is located about two hours walking distance from the nearest Langthil Jr. High School. There are 80 households and about 50 school going age children. There are also few numbers of children presently studying in Langthil Jr. High School.

Establishment of new community school at Tongtongfey: Tongtongfey is located about seven km away from the nearest Langthil Jr. High School. The students face lot of difficulties especially during monsoon seasons and leads to many absentees from the classes. In view of these constraints, the community proposed establishment of a new community school. There are about 55 school going age children and a total of 38 households.

Strengthening of Balling Community School: The Balling community has 96 students (50 boys and 46 girls), but does not have facilities such as safe drinking water supply, play ground, head teacher's quarter, which are being proposed during the Ninth Plan.

Strengthening of Jangbi Community School: Jangbi community covers Wangling, Jangbi and Phumzure villages. Construction of toilets and playground are proposed for the school during the Ninth Plan.

Road (Mule track and Suspensions & Bridges) Programs

Reconstruction of Suspension Bridge at Langthil Zam: The existing old Langthil Zam (suspended bridge) over Mangdichhu, which was constructed during the Fourth Plan, will be replaced with a new suspended bridge. This bridge benefits more than 140 households from 6 villages and for the mobility of cattle herders.

Improvement of Mule Track: The existing following mule tracks are proposed for improvement during the Ninth Plan. The beneficiaries will execute the work with implements support from the dzongkhag.

- Bashiling to Ngormey - Three Km
- Wangling to Ngormey - Two Km
- Zamtakpa to Nangnangdrag - Two Km
- Golaphey to Ngadag - 15 Km
- Langthil to Dangdung - Two Km

Gewog Administration Programs

Construction of Gup's Office: The construction of a Gup's office with proper facilities has been proposed as a priority activity by the people to enable the Gup to manage gewog development responsibility effectively. Furthermore, with the decentralization policy it has now become mandatory for the Gup to take part in all the development activities of the Dzongkhag and this expectation cannot be fulfilled unless some basic facilities are provided. The community will provide the site for construction of Gup's office.

Renovation of Lhakhangs: During the Ninth Plan, renovations of Wangling/Jangbi lhakhang and Ngangda lhakhang are proposed. The beneficiaries will execute the work, while purchase of materials like CGI sheets, materials and payment for skilled labour are requested from the government.

Construction of Gomdey at Endocholing: Since the Gomdey at Langthil is important for the community, the gewog proposed for construction of an academic block and hostel, teachers quarters, kitchen and drinking water supply.

Purchase of solar panels for Jangbi Lhakhang: Since Jangbi lhakhang is very far from the motorable road and chances of reaching electricity facilities is remote, and solar lightening is proposed in the Ninth Plan.

4. Budget Estimates

Nu. In million

#.	Program/Activity	Unit	Target	Budget			Remarks
				Current	Capital	Total	
	Agriculture Program						
1	Constr. of new Irrigation channel	km	6		1.500	1.500	
2	Renovation of irrigation channel	km	2		0.300	0.300	
3	Farmers training on irrigation	HH	218		0.280	0.280	
4	Farm road						
	New construction	km	3		4.500	4.500	
	Improvement	km	2.5		1.400	1.400	
5	Paddy production						
	Farmers Training	HH	200		0.060	0.060	
	Demonstration	No	3		0.015	0.015	
	On-farm trials	Times	5		0.020	0.020	
	Supply of improved seeds						
6	Wheat production						
	Farmers training	HH	230		0.069	0.069	
	Demonstration	Times	3		0.015	0.015	
	On-farm trials	Times	5		0.020	0.020	
	Supply of improved seeds						
7	Ginger production						
	Farmers training	HH	150		0.045	0.045	
	Demonstration	Times	3		0.015	0.015	
	Supply of improved seeds						
8	Vegetable production						
	Farmers training	Nos	260		0.064	0.064	
	Field day	Times	3		0.015	0.015	
	Supply of improved seeds						

9	Mandarin production						
	Farmers training	HH	160		0.032	0.032	
	Demonstration	Nos	2		0.010	0.010	
	Supply of improved seeds		-				
10	Mango production				0.024	0.024	
	Farmers training	HH	120		0.010	0.010	
	Demonstration	Nos	2				
	Supply of improved seeds		-				
11	Supply of farm machineries						
	Power tiller	Nos	7				
	Tractor	Nos	3				
	Corn flake	Nos	5				
	Farmer study tour	HH	160		0.080	0.080	
	Sub- total				0 8.474	8.474	
	Livestock Program						
1	Estb.of piggery backyard farms	HH	10				
2	Estb. Of poultry backyard farms	HH	30				
3	Estb.of diary backyard farms	HH	15				
4	Breed Improvement						
a	Supply of jersey bull	Nos	5		0.060	0.060	
b	Brown Swiss bull	No	1		0.012	0.012	
c	Stallion	Nos	3		0.036	0.036	
d	Mithun bull	Nos	9				
5	Supply pasture seeds	kg	1133		0.300	0.300	
6	Training/workshops				0.445	0.445	
	Sub-total				0 0.853	0.853	
	Forestry Program						
1	Private forest						
a	Seedlings	Nos	60,000		0.120	0.120	
b	Printing of forms	Nos	660		0.015	0.015	
2	Cultivation of medicinal plants				0.040	0.040	
3	Community forestry				0.495	0.495	
4	Tseri cultivation						
a	Feasibility	Nos	3				
b	Trial set up	acres	3		0.050	0.050	
c	Field day	Nos	2		0.010	0.010	
5	Tseri cultivation						
6	Forest fire protection						
a	Group formation	gr	12				
b	Purchase of equipment	set	15		0.240	0.240	
	Fire line	km	5		0.255	0.255	
7	Training/workshops				0.130	0.130	
	Sub-total				0 1.355	1.355	
	Health Program						
1	Const. Of ORC at Kartogang	No	1		0.150	0.150	
2	Const. Of new RWSS	Sch	12		0.080	0.080	1 spring protection & 1 Renovation
3	Model village development	Nos	2		0.040	0.040	
4	Training/workshops				0.270	0.270	

	Sub-total			0	0.540	0.540	
1	Education Program						
	Estab. Of Kartogang CS(new)					0.000	
	Const. Of academic block	Unit	1		0.100	0.100	
	Const. Of toilet	Unit	2		0.040	0.040	
	Const. Of H/teacher's qrt.	Unit	1		0.065	0.065	
	Const. Of teachers' qrts.	Unit	2		0.100	0.100	
	Development of play ground	No	1		0.020	0.020	
	Acquisition of land	acres	15				
	Furniture and equipment				0.200	0.200	
	Sub-total			0	0.525	0.525	
2	Estab. Of Tongtophai CS (new)					0.000	
	Acquisition of land	acres	10				
	Const. Of academic block	Unit	1		0.100	0.100	
	Const. Of toilet	Unit	2		0.040	0.040	
	Const. Of H/teacher's qrt.	Unit	1		0.065	0.065	
	Const. Of teachers' qrts.	Unit	2		0.100	0.100	
	Development of play ground	No	1		0.020	0.020	
	Furniture and equipment				0.200	0.200	
	Sub-total			0	0.525	0.525	
3	Strenghtening of Balling CS					0.000	
	Const. Of H/teacher's qrt.	Unit	1		0.065	0.065	
	Drinking water supply	No	1		0.015	0.015	
	Development of play ground				0.020	0.020	
	Furniture and equipment				0.200	0.200	
	Sub-total			0	0.300	0.300	
4	Strenghtening of Jangbi CS						
	Development of play ground	No	1		0.030	0.030	
	Furniture and equipment				0.200	0.200	
	Sub-total			0	0.230	0.230	
	Total			0.000	1.580	1.580	
	Mule track & Suspension bridges Program						
1	Reconst. Of Langthil zam	No	1		0.955	0.955	
2	Improvement of mule track	km	24		0.120	0.120	
	Sub-total			0	1.075	1.075	
	Gewog Administration Program						
1	Gup's Office						
a	Land acquisition	acres	0.2				
b	Construction	No	1		1.000	1.000	
c	Fencing				0.100	0.100	
d	Electrification (solar)	set	1		0.050	0.050	
e	Purchase of Walkie Talkie	set	1		0.100	0.100	
f	Equipment/equipment			0.200	0.200		
2	Renovation of lhakhangs	Nos	2		0.800	0.800	
3	Construction of Gomdey	No	1		1.250	1.250	Endocholing
4	Purchase of solar for	set	1		0.050	0.050	Jangbi Lhakhang
5	Establishment Cost			1.500		1.500	
	Sub- total			1.500	3.550	5.050	
	Grand Total			1.500	17.427	18.927	

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 *Tshogpas* 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.