

METAKHA GEWOG NINTH PLAN (2002-2007)



**CHHUKHA DZONGKHAG
ROYAL GOVERNMENT OF BHUTAN**

Table of contents

1. Current Situation	3
2. Summary of Gewog Plan Outlay	3
3. Gewog Development Programs	4
Agriculture Programs	4
Livestock Programs	5
Forestry Programs	6
Education Programs	6
Health Programs	6
Suspension Bridge and Mule Track Programs	7
Gewog Administration and Mule Track Programs	7
4. Budget Estimates	7
5. Plan Implementation, Monitoring and Evaluation	10
Plan implementation	10
<i>Annual and Quarterly Plans</i>	10
Monitoring and Evaluation	11
<i>Monitoring</i>	11
<i>Evaluation</i>	11

1. Current Situation

Metekha gewog consist of six villages viz. Gemba, Yukha, Gumina, Pango, Papaling and Bempo with 118 households. The gewog covers an area of about 100 square kilometers with elevations ranging from 1000-1200 meters above sea level.

Rough terrain conditions and scattered settlement makes delivery of services difficult and costly.

Land Type	Area (Acres)
Wetland	193.28
Dryland	426.29
Tseri	946.77
Orchard	73.71
Kitchen garden	13.91
Total	1653.96

Majority of the households cultivate buckwheat in dry land and tseri. Paddy is cultivated in wetland followed by maize and mustard in a small scale. The people do not grow orange, ginger and potato in a big scale due to difficult in accessing market. As a low volume and high value cash crop, cardamom is given more importance.

Lack of farm infrastructure mainly irrigation and input supplies hinder agricultural production and crop yields.

The gwog has one Community School, one Outreach Clinic and one suspension bridge. A total of 64 households are served by three RWSS schemes and has no electricity supply.

2. Summary of Gewog Plan Outlay

Nu. in million

SI No.	Programmes	Budget			Remarks
		Current	Capital	Total	
1	Agriculture Program	0.000	1.092	1.092	
2	Livestock Program	0.000	0.337	0.337	
3	Forestry Program	0.000	0.815	0.815	
4	Education Program	0.000	0.700	0.700	
5	Health Program	0.000	0.396	0.396	
6	Suspension Bridge & Mule Track	0.000	2.136	2.136	
7	Gewog Administration	0.270	1.300	1.570	
	Total	0.270	6.776	7.046	

3. Gewog Development Programs

Agriculture Programs

Paddy Improvement

Paddy is one of the important cereal crops. People have proposed to increase the present yield of 730 kg/acre to 900 kg/acre and extend acreage from 193.23 acres to 250 acres through new additional irrigational facilities, use of 950 kg of improved seeds, training 97 households from Goemba, Yukha and Gumina villages and demonstration during the ninth plan.

Maize Improvement

As proposed by the people, the gewog has requested for 1,350 kg of improved maize seeds, training for 113 households and demonstration with the objective to increase the current yield of 840 kg/acre to 1,200 kg/acre by the end of ninth plan.

Mustard Improvement

Mustard is only oil crop and people have proposed to increase the current yield of 200 kg per acre to 230 kg per acre, through the introduction of 1,470 kg of improved mustard seeds, training 113 households and demonstration during the ninth plan.

Vegetable Improvement

The nutritional intake of the rural community of the Metekha gewog is low. Therefore, nutritional intake level will be increased by promoting vegetable cultivation. About 60 kg of different varieties of improved vegetable seeds will be supplied and 113 households will be trained during the ninth plan.

Cardamom Improvement

Cardamom is grown in almost all six villages and current yield is 200 kg/acre. People have proposed to increase the yield to 225 kg/acre by improving nutrient management, pre and post harvest practices and have requested for 10,800 high yielding varieties of cardamom rhizomes (Varlang), training of 110 households from the villages of Goemba, Yukha, Gumina and Pangu during the ninth plan.

Walnut Improvement

As requested by the people, soft shelled walnut will be introduced in the gewog. About 19,000 numbers of walnut seedlings will be supplied, and 113 households will be trained. Ten field demonstrations will be conducted during the ninth plan.

Orange Improvement

As per request of the people citrus cultivation will be promoted in the lower part of Metekha gewog. About 8,500 orange seedlings will be distributed. 113 households will be trained during the plan.

Asparagus Improvement

People have proposed to cultivate asparagus and have requested for 16,000 seedlings and training of 110 households from the villages of Pangu, Yukha, Gumina and Goemba during the ninth plan.

Mango Improvement

The Yukha village have requested for 670 number of mango seedlings on cash payment during the ninth plan.

Supply of Farm Implement and Tools

People of Metakha gewog have requested for the following labour saving tools on cash payment during the ninth plan:

Rice huller	- 6 nos
Sprayer machine	- 45 nos
Simple tools	- 2800 nos

Renovation of Irrigation Channel

The existing Eukha irrigation channel has a command area of 50 acre and benefits 20 households. Pangu irrigation channel has command are of 16 acre and benefits 16 households. Since both the channels are important, people have proposed for renovation during the ninth plan.

Livestock Programs

Supply of Breeding Stock

To improve livestock breed, people have requested for supply of following high genetic breeds during the ninth plan:

Jersey cross bull	- 3 nos.
Mithun bull	- 3 nos.
Pullet	- 100 nos.
Piglets	- 10 nos.
Stud Stallion	- 3 nos.

Feed and Fodder Development

The people of Metakha gewog has proposed to develop 20 acres of pastureland and have requested for 230 kgs of improved pasture seeds, 70 kgs of oat seeds, 800 saplings of fodder tree and crop residue treatment during the ninth plan.

Animal Health Services

To prevent common livestock disease, periodical vaccination, de-worming and treatment service will be continued. To make animal health services cost effective and efficient in the gewog, two village animal health workers will be trained.

Farmers Training and Study Tour

The gewog has proposed to train 50 farmers on improved livestock farming and management systems and send 20 farmers on study tour to different dzongkhags to enhance knowledge and skills through practical observation and exchange of experiences with other farmers. One cattle show/exhibition and 60 days field days on dairy management has also been proposed. People have also requested for milk processing equipments such as butter churners and cream separator on cash payment.

Establishment of Backyard Unit

Based on the request of people, gewog has proposed to establish ten backyard dairy units, five poultry backyard units and five piggery backyard units during the ninth plan.

Forestry Programs

Private Forestry

As requested, about 15,000 seedlings will be distributed to the farmers to develop private forestry in the private registered land with transfer of ownership to the people during the ninth plan.

Community Forestry

The community has proposed to create community forestry during the ninth plan and have requested for fencing materials.

Farmers Training and Study Tour

Farmers training and study tours have been proposed during the ninth plan on the management of private and community forestry and forest fire management.

Education Programs

Relocation of Metakha Community Primary School

Since the existing Metakha Community School is located in congested area and has no scope for expansion, its relocation at Dhigdingkha has been proposed by the people and requested for building materials for construction of eight unit classrooms, staff quarter, administrative block, hostel, kitchen, toilets and supply of furniture.

People have also requested for WFP boarding facilities for the school to enable the children from the villages of Lotokha, Gyemina, Pangu, Papaling and Bempo to attend the school.

Health Programs

Primary Health Care Services

Although the primary health care services of Metakha Gewog are provided by Dungna BHU-II, construction of BHU-III at Digdingkha has been proposed as the existing facilities is not able to provide health care services effectively during the monsoon season and the proposal has been reflected in the dzongkhag plan.

New Rural Water Supply Schemes

As requested by the people, the gewog has proposed to construct three new schemes at Tomnating, Gumina and Pangu villages during the ninth plan for the benefit of 37 households.

Suspension Bridge and Mule Track Programs

Construction of Suspension Bridges

The gewog is one of the remotest gewogs and takes about three days walk from the Dzongkhag headquarter. Therefore, people have proposed for construction of Hachlumzam and Gumillun zam to benefit and provide access to Metekha and Dungna gewogs and Paro dzongkhag.

Construction of Mule Tracks

Based on the request of people, the gewog has proposed to construct 20 km mule tracks from Metakha to Geling junction to benefit people of Metakha and Dungna gewogs and Naja gewog of Paro Dzongkhag.

Maintenance of Mule Track

People have proposed maintenance of five km Metakha to Babana mule tracks during the ninth plan.

Gewog Administration and Mule Track Programs

Construction of Gup's Office

Since the Metakha gup has no proper office, people have requested for construction of gup's office with provision of office furniture/equipment, stationeries and telephone connection during the ninth plan.

Renovation of Lhakangs

People have requested for renovation of Satshog Geonpa and Meta Goenpa during the ninth plan and have also requested for installation of three fire proof safes "metubs" to protect and safeguard the religious artifacts and relics.

4. Budget Estimates

Nu. in million

Sl. No.	Programmes	Unit	Budget			Total	Remarks
			Target	Current	Capital		
1	Paddy Improvement						
1.1	Farmers training	Hh	97	0.000	0.015	0.015	
1.2	Demonstration	No	5	0.000	0.025	0.025	
1.3	Promotion	ac	30	0.000	0.022	0.022	
	Sub-total			0.000	0.062	0.062	
2	Maize Improvement						
2.1	Farmers training	Hh	113	0.000	0.017	0.017	
2.2	Demonstration	No	10	0.000	0.050	0.050	
2.3	Promotion	ac	45	0.000	0.005	0.005	
	Sub-total			0.000	0.072	0.072	
3	Mustard Improvement						
3.1	Farmers training	Hh	113	0.000	0.017	0.017	
3.2	Demonstration	No	10	0.000	0.050	0.050	
3.3	Promotion	ac	30	0.000	0.023	0.023	
	Sub-total			0.000	0.090	0.090	

4	Vegetable Improvement						
4.1	Farmers training	Hh	113	0.000	0.017	0.017	
4.2	Demonstration	No	5	0.000	0.025	0.025	
4.3	Promotion	ac	20	0.000	0.005	0.005	
	Sub-total			0.000	0.047	0.047	
5	Cardamom Improvement						
5.1	Farmers training	Hh	110	0.000	0.017	0.017	
5.2	Demonstration	No	10	0.000	0.050	0.050	
5.3	Promotion	ac	5	0.000	0.025	0.025	
	Sub-total			0.000	0.092	0.092	
6	Walnut Improvement						
6.1	Farmers training	Hh	113	0.000	0.017	0.017	
6.2	Demonstration	No	10	0.000	0.050	0.050	
6.3	Promotion	ac	10	0.000	0.060	0.060	
	Sub-total			0.000	0.127	0.127	
7	Orange Improvement						
7.1	Farmers training	Hh	113	0.000	0.017	0.017	
7.2	Demonstration	No	5	0.000	0.025	0.025	
7.3	Promotion	ac	10	0.000	0.048	0.048	
	Sub-total			0.000	0.090	0.090	
8	Asparagus Improvement						
8.1	Farmers training	Hh	110	0.000	0.017	0.017	
8.2	Demonstration	No	5	0.000	0.025	0.025	
8.3	Promotion	ac	4	0.000	0.020	0.020	
	Sub-total			0.000	0.062	0.062	
9	Renovation of Irrigation Channel						
9.1	Eukha	km	1.5	0.000	0.225	0.225	
9.2	Pango	km	1.5	0.000	0.225	0.225	
	Sub-total			0.000	0.450	0.450	
	Total			0.000	1.092	1.092	
10	Supply of Breeding Stock						
10.1	Crossbreed bull	No	3	0.000	0.030	0.030	
10.2	Mithun bull	No	3	0.000	0.000	0.000	Self financing
10.3	Sale of Pullets	No	100	0.000	0.000	0.000	Self financing
10.4	Sale of Piglets	No	10	0.000	0.000	0.000	Self financing
10.5	Stud Stallion	No	3	0.000	0.030	0.030	
	Sub-total			0.000	0.060	0.060	
11	Feed and Fodder Development						
11.1	Pasture Development	Ac	20	0.000	0.000	0.000	
11.2	Pasture Seed	kg	230	0.000	0.016	0.016	
11.3	Fodder tree	No	800	0.000	0.000	0.000	Self financing
11.4	Fodder crops development	langdo	8	0.000	0.000	0.000	Self financing
11.5	Oat seeds	kg	70	0.000	0.005	0.005	
11.5	Crop residue treatment with urea	Hh	8	0.000	0.002	0.002	
	Sub-total			0.000	0.023	0.023	
12	Animal Health programme						
12.1	Training of VAHWs	No	2	0.000	0.010	0.010	
	Sub-total			0.000	0.010	0.010	

13	Farmers Training & Study Tours						
13.1	Dairy Management	No	40	0.000	0.042	0.042	5-7 days
13.2	Poultry Management	No	20	0.000	0.021	0.021	
13.3	Piggery Management	No	10	0.000	0.010	0.010	
13.4	Pasture management	No	12	0.000	0.016	0.016	
13.5	Study tour	No	20	0.000	0.100	0.100	14 days
13.6	Field days on dairy management	days	3	0.000	0.015	0.015	
13.7	Pasture demonstration	plot	2	0.000	0.010	0.010	
13.8	Cattle show	No	1	0.000	0.030	0.030	
	Sub-total			0.000	0.244	0.244	
14	Establishment of Backyard Unit						
14.1	Dairy unit	Hh	10	0.000	0.000	0.000	Self financing
14.2	Poultry unit	Hh	5	0.000	0.000	0.000	Self financing
14.3	Piggery unit	Hh	5	0.000	0.000	0.000	Self financing
	Sub-total			0.000	0.000	0.000	
	Total			0.000	0.337	0.337	
15	Private Forestry						
15.1	Distribution of seedling	No	15000	0.000	0.075	0.075	
15.2	Issue of ownership certificate	No	100	0.000	0.010	0.010	
	Sub-total			0.000	0.085	0.085	
16	Community Forestry						
16.1	Purchase of fencing material	Hectre	10	0.000	0.320	0.320	
16.2	Materials & stationery cost for preparation of forest management plan/evaluation	No	1	0.000	0.010	0.010	
	Sub-total			0.000	0.330	0.330	
17	Farmers' Training"						
17.1	Training on private forestry	No	25	0.000	0.100	0.100	
17.2	Training on Community forestry	No	25	0.000	0.100	0.100	
17.3	Training on rural timber supply	No	25	0.000	0.100	0.100	
17.4	Training on forest fire management	No	25	0.000	0.100	0.100	
	Sub-total			0.000	0.400	0.400	
	Total			0.000	0.815	0.815	
18	Relocation of Metakha CPS						
18.1	Materials for building			0.000	0.500	0.500	
18.2	Supply of furniture			0.000	0.200	0.200	
18.3	Acquisition of Land			0.000	0.000	0.000	
18.4	Establishment cost			0.000	0.000	0.000	Estab.cost Nu.2.553
	Sub-total			0.000	0.700	0.700	
	Total			0.000	0.700	0.700	
19	New Rural Water Supply Schemen						
19.1	Tomnating	No	1	0.000	0.132	0.132	
19.2	Gumina	No	1	0.000	0.132	0.132	
19.3	Pangu	No	1	0.000	0.132	0.132	
	Sub-total			0.000	0.396	0.396	
	Total			0.000	0.396	0.396	
20	Const. of Suspension Bridge						
20.1	Hachulumzam	No.	1	0.000	0.955	0.955	
20.2	Gumillum Zam	No.	1	0.000	0.955	0.955	
	Sub-total			0.000	1.910	1.910	

21	Construction of Mule Track						
21.1	Meta to Geling Junction.	Km	20	0.000	0.200	0.200	
	Sub-total			0.000	0.200	0.200	
22	Maintenance of Mule Track						
22.1	Meta to Babana	Km	5	0.000	0.026	0.026	
	Sub-total			0.000	0.026	0.026	
	Total			0.000	2.136	2.136	
23	Gewog Administration						
23.1	Construction of Gup's Office			0.000	0.800	0.800	
23.2	Purchase of office furniture			0.000	0.050	0.050	
23.3	Purchase of stationary			0.000	0.050	0.050	
23.4	Telephone			0.000	0.050	0.050	
23.5	Gup's Salary			0.270	0.000	0.270	
	Sub-total			0.270	0.950	1.220	
24	ReNOvation of Lhakhangs						
24.1	Metab Goenpa	No.	1	0.000	0.100	0.100	
24.2	Sachhog Goenpa	No.	1	0.000	0.100	0.100	
24.3	Construction of methub	No.	3	0.000	0.150	0.150	
	Sub-total			0.000	0.350	0.350	
	Total			0.270	1.300	1.570	
	Grand total			0.270	6.776	7.046	

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.