

JARAY GEWOG

NINTH PLAN

(2002-2007)



LHUMENTSE DZONGKHAG
ROYAL GOVERNMENT OF BHUTAN

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1 Current Situation

Jaray gewog has an area of 136 square kilometer with 216 households. The Gewog shares its borders with Mongar Dzongkhag in the south, Bumthang Dzongkhag in the west, Metscho Gewog in the north and Tsenkhar Gewog in the east.

The Gewog has good education coverage with two Primary Schools and a total student of 349. However, due to the distance factor, achievement of 100 % education coverage is difficult.

One Agricultural and one Livestock Extension Centres provide RNR extension in the gewog. Two Basic Health Units (BHU)- Ladrong BHU Gr.II and Zangkhar BHU Gr.III - and four Out Reach Clinics (ORC) renders basic health services in the gwog. Over 70% of the population has access to safe drinking water supply and sanitation.

Sl. No.	Land Use Types	Area (in acres)
1	Pangzhing	27
2	Tseri	359
3	Wet land	30
4	Dryland	258
5	Tshesa	12
	Total	686

2 GEWOG PLAN OUTLAY

Nu. in million

S.No.	Sectors	Rec.	Capital	Tot.	Remarks
1	Agriculture Program	0.000	3.054	3.054	
2	Livestock Program	0.000	0.965	0.965	
3	Forestry Program	0.000	0.915	0.915	
4	Education Program	0.000	0.965	0.965	
5	Health Program	0.000	2.296	2.296	
6	Suspension Bridge & Mule Track Program	0.000	2.155	2.155	
7	Gewog Administration Program	0.465	3.250	3.715	
	Gewog Grand Total	0.465	13.600	14.065	

3. GEWOG DEVELOPMENT PROGRAMS

Agriculture Programs

a) Crop Improvement Activities

Maize being the main cereal crop of the Gewog, the people of Jaray Gewog has identified maize as the priority cereal crop for their Gewog during the Ninth Plan. Further, the people of the Gewog have also identified mustard as priority oilseeds for local consumption as well as for income generation. Accordingly, thrust shall be given for improvement through training on crop management and post-harvest management, demonstration and trials on improved varieties and technologies, field day and supply of improved variety of seed.

b) Horticulture development

With the view to enhance cash income, the people of Jaray Gewog has identified citrus (orange), vegetable and walnut as priority cash crops for their Gewog. Towards this, the Dzongkhag shall carry out farmers training on farm management especially in crop and post-harvest management, demonstration and trial on improved varieties and technologies and supply improved seeds and seedlings.

c) Renovation of Irrigation Channel

A total of 17 km of existing irrigation channel at Pam, Yumchey, Ladrong and Ngangnay is proposed for rehabilitation during the Ninth Plan to enhance rice production. These channels benefit a total of 75 households. The beneficiaries shall contribute unskilled labour and the Dzongkhag is requested to provide materials and wages for skilled labour.

d) Farmers Study Tour on Agriculture

In order to share experiences with other farmers and to expose the farmers to other demonstrative activities within and outside the Dzongkhag, study tours shall be organised for the farmers of Jaray Gewog.

Livestock Programs

a) Livestock Breed Improvement Activities

Emphasis shall be given to breed improvement through supply of improved breeding stock of high genetic. The Dzongkhag shall procure and distribute four Jersey Cross, two Mithun and two Nublang bulls as per the demand of the farmers in the Gewog.

To make the animal health services cost effective and efficient at the Gewog level, five Village Animal Health Workers (VAHW) from different villages in the Gewog shall be trained during the Ninth Plan. These VAHWs shall undertake basic animal health services (Deworming, vaccination, and minor treatments etc.) in their locality.

b) Backyard Farms

Under this program the farmer will be encouraged to establish small-scale livestock backyard farm in order to increase production of livestock products for self-sufficiency. Inputs shall be procured and supplied to the interested farmers as per the demand to establish piggery, dairy and poultry farms.

c) Feed and Fodder Development

About 50 acres of improved pasture shall be developed and 5000 numbers of fodder tree seedlings shall be distributed to the farmers in order to improve feed and fodder in the Gewog.

d) Farmers Training and Study Tour on Livestock management

Under this program a total of 30 farmers shall be trained under different livestock management system to enhance skills and knowledge of the farmers on improved livestock management. In addition a total of 60 farmers shall be taken for study tour to different farms and Dzongkhags to enhance their knowledge through practical observation and sharing of experiences with other farmers and experts.

Forestry Programs

a) 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 products such as firewood, house construction timber and other small timbers. About 60 acres of private land shall be registered as private forest in Jaray Gewog. The tree seedlings shall be distributed to the farmers and the Dzongkhag shall provide training for Nursery Operator, carry out survey, plan preparation, register private land, supply seedlings, monitor and evaluate tree plantation.

b) Community Forestry

The aim of community forestry is to hand over the government reserved forest to the local community so that the community shall 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 FYP, a community forest shall be established in different villages under the gewog. The tree seedlings shall be supplied by the Forestry sector and the Dzongkhag shall survey the potential area, carry out preparation of plan, review of plan, training of community nursery operator and supply seedling.

c) Forest Fire management

To have 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) Farmers Training on Forestry

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

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

e) Farmers study tour on Forest Management

Study tours shall be conducted both outside and within the Dzongkhag during the Ninth Plan in order to enhance people's knowledge and share experiences with the people in other Dzongkhags on forest management.

Education Programs

a) Construction of new Yumche Community School

A new Community School is proposed at Yumche covering 69 households of Yumche and Kharchung villages. Presently, the children of these villages go to Zangkhar Primary School which is about two hours walk from these villages. The beneficiaries shall contribute labour and construction materials and the Dzongkhag is requested to provide wages for skilled labour and CGI sheet (roofing materials).

Health Programs

a) Construction of new RWS Schemes

In order to reduce the incidences of water-borne diseases and improve the sanitation of the people of Jaray Gewog, 10 new rural water supply schemes is proposed during the Ninth Plan in the Gewog. While the labour shall be contributed by the beneficiaries, materials and wages for skilled labour is requested from the Dzongkhag.

b) Rehabilitation of RWS Scheme

It is proposed to rehabilitate seven existing schemes in the gewog during the Ninth Plan. If major repair is required, the Dzongkhag shall be requested for supply of materials while the beneficiaries shall contribute labour.

Suspension Bridge and Mule Track Programs

a) Re-construction of Suspension Bridges

As the existing suspension bridges at Autsho-Ladrong and Ungarchu are old and not safe, they need to be reconstructed during the Ninth Plan. The beneficiaries shall contribute labour while the Dzongkhag shall provide materials and wages for skilled labour.

b) Improvement of Mule Track

The existing mule tracks from Autsho-Ladrong and Gorgan-Zangkhar need to be improved and maintained for better and safe communication within the villages in the Gewog.

Gewog Administration Programs

a) Strengthening of Gewog Administration

Since the Gup does not have a proper office to conduct gewog affairs, people of Jaray Gewog have proposed construction of Gup's Office as priority during the Ninth Plan.

4 BUDGET ESTIMATES

Nu. in million

Sl. No.	Activities	Unit	Target	Budget			Remarks
				Rec.	Cap.	Total	
1	Crop Improvement Program						
A	Maize Development Activities:						
a	Farmers Training	No.	200	0.000	0.030	0.030	
b	Supply of Improved seed	Kg.	8,000	0.000	0.120	0.120	
c	Demonstration & Field Days			0.000	0.009	0.009	
	Sub-total			0.000	0.159	0.159	
B	Oilseed Improvement Activities:						
a	Farmers Training	No.	300	0.000	0.045	0.045	
b	Supply of Improved Seed	Kg.	2,000	0.000	0.054	0.054	
c	Demonstration & Field Days		50	0.000	0.002	0.002	
	Sub-total			0.000	0.101	0.101	
2	Horticulture Development						
A	Walnut Development Activities:						
a	Farmers Training	No.	200	0.000	0.030	0.030	
b	Supply of Seedling	No.	5,000	0.000	0.100	0.100	
	Sub-total			0.000	0.130	0.130	
B	Orange Development Activities:						
a	Farmers Training	No.	200	0.000	0.030	0.030	
b	Supply of Seedlings	No.	5,000	0.000	0.075	0.075	
	Sub-total			0.000	0.105	0.105	
3	Kitchen Garden Activities:						
a	Farmers Training	No.	400	0.000	0.075	0.075	
b	Supply of Seeds	Pkts.	6,000	0.000	0.060	0.060	
	Sub-total			0.000	0.135	0.135	
4	Farmers Study Tour on Agriculture	No.	50	0.000	0.090	0.090	
	Sub-total			0.000	0.090	0.090	
5	Irrigation Development Program:						
a	Renovation of old Irrigation Channel	Km	17	0.000	2.294	2.294	
b	Training of WUA members	No.	2	0.000	0.040	0.040	
	Sub-total			0.000	2.334	2.334	
	Agriculture Total			0.000	3.054	3.054	
6	Livestock Breed Improvement Activities:						
a	Supply of Jersey Cross Bulls	No.	4	0.000	0.072	0.072	
b	Supply of Mithun Bulls	No.	2	0.000	0.015	0.015	
c	Supply of Nublang Bulls	No.	2	0.000	0.010	0.010	
d	Livestock Show	No.	5	0.000	0.250	0.250	
	Sub-total			0.000	0.275	0.275	
7	Animal Health Program:						
a	Training of Village Animal Husbandry Worker (VAHW)	No.	5	0.000	0.050	0.050	
b	Vaccination/Deworming Service			0.000	0.385	0.385	
	Sub-total			0.000	0.435	0.435	

8	Farmers Study Tour	No.	60	0.000	0.090	0.090	
	Sub-total			0.000	0.090	0.090	
9	Farmers Training	No.	30	0.000	0.100	0.100	Training on Poultry, Piggery & Dairy Management.
	Sub-total			0.000	0.100	0.100	
10	Pasture & Fodder Dev.						
a	Pasture Development	Acre	50	0.000	0.045	0.045	
b	Supply of Fodder Seedlings	No.	5,000	0.000	0.020	0.020	
c	Training on Preparation of Feeds from local materials	No.	10	0.000	0.010	0.010	
	Sub-total			0.000	0.065	0.065	
11	Establishment of Backyard Farms			0.000	0.000	0.000	Poultry, Piggery & Dairy Farms.
	Sub-total			0.000	0.000	0.000	
	Livestock Total			0.000	0.965	0.965	
12	Private Forestry Activities:						
a	Nursery Operator Training	No.	5	0.000	0.125	0.125	
b	Supply of Seedling	No.	4,000	0.000	0.080	0.080	
c	Survey of Potential Areas			0.000	0.050	0.050	
d	Preparation of Plan			0.000	0.250	0.250	
	Sub-total			0.000	0.505	0.505	
13	Community Forestry Activities:						
a	Nursery Operator Training	No.	5	0.000	0.090	0.090	
b	Survey of Potential Areas			0.000	0.005	0.005	
c	Preparation of Management Plan			0.000	0.045	0.045	
d	Issue of Certificate			0.000	0.075	0.075	
e	Supply of Seedlings	No.		0.000	0.015	0.015	
	Sub-total			0.000	0.230	0.230	
14	Farmers Study Tour	No.	40	0.000	0.090	0.090	
	Sub-total			0.000	0.090	0.090	
15	Farmers Training	No.	50	0.000	0.090	0.090	
	Sub-total			0.000	0.090	0.090	
	Forestry Total			0.000	0.915	0.915	
16	Construction of Yumche new Community School:						
a	Academic Block	No.	1	0.000	0.300	0.300	
b	Two-Unit Teachers Quarter	No.	2	0.000	0.300	0.300	
c	Water Supply	No.	1	0.000	0.105	0.105	
d	Furniture & Office Equipment			0.000	0.100	0.100	
e	Fencing			0.000	0.010	0.010	
f	Purchase of Library			0.000	0.150	0.150	
	Sub-total			0.000	0.965	0.965	
	Education Total			0.000	0.965	0.965	
17	Construction of new Rural Water Supply Schemes:						
a	Jaray	No.	1	0.000	0.132	0.132	
b	Ngangay	No.	1	0.000	0.132	0.132	
c	Ladrong	No.	1	0.000	0.132	0.132	
d	Arteobe	No.	1	0.000	0.132	0.132	
e	Mechulung	No.	1	0.000	0.132	0.132	
f	Gulibee	No.	1	0.000	0.132	0.132	

g	Changkharla	No.	1	0.000	0.132	0.132	
h	Dumpang	No.	1	0.000	0.132	0.132	
I	Yumche	No.	1	0.000	0.132	0.132	
j	Wayang	No.	1	0.000	0.132	0.132	
	Sub-total			0.000	1.320	1.320	
18	Rehabilitation of Rural Water Supply Schemes:						
a	Ladrong	No.	1	0.000	0.122	0.122	
b	Jaray	No.	1	0.000	0.122	0.122	
c	Ngangay Raling	No.	1	0.000	0.122	0.122	
d	Yumche	No.	1	0.000	0.122	0.122	
e	Paam	No.	1	0.000	0.122	0.122	
f	Thaya	No.	1	0.000	0.122	0.122	
g	Yabi	No.	1	0.000	0.122	0.122	
	Sub-total			0.000	0.854	0.854	
19	Training of WUA Members	No.		0.000	0.122	0.122	
	Sub-total			0.000	0.122	0.122	
	Health Total			0.000	2.296	2.296	
20	Re-construction of Suspension Bridge:						
a	Autsho-Ladrong	No.	1	0.000	1.005	1.005	
b	Ungar Chu	No.	1	0.000	0.995	0.995	
	Sub-total			0.000	2.000	2.000	
21	Maintenance of Mule Track:						
a	Autsho-Ladrong	Km	25	0.000	0.125	0.125	
b	Gorgan-Zangkhar	Km	6	0.000	0.030	0.030	
	Sub-total			0.000	0.155	0.155	
	SB & Mule Track Total			0.000	2.155	2.155	
22	Gewog Administration Program:						
a	Construction of Gup's Office	No.	1	0.000	2.000	2.000	
b	Office Equipment			0.000	0.200	0.200	
c	Office Stationery			0.050	0.000	0.050	
d	Furniture			0.000	0.050	0.050	
e	Renovation of Lhakhangs	No.		0.000	1.000	1.000	
f	GYT Expenses			0.045	0.000	0.045	
g	Establishment Cost			0.370	0.000	0.370	
	Gewog Adm. Total			0.465	3.250	3.715	
	Gewog Grand Total			0.465	13.600	14.065	

5 BPLAN 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.

