

# **CHONGSHING BORANG GEWOG NINTH PLAN (2002-2007)**



**PEMAGATSHEL DZONGKHAG  
ROYAL GOVERNMENT OF BHUTAN**

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## 1. Current Situation

Chongshing Borang Gewog has a total area of approximately 30.1 square kilometer with a sparsely distributed population in the nine villages of Thongsa, Mandi, Guyum, Lanangzore, Yomzore, Chongshing Borang, Chongshing Goenpa, Jorphung, and Kalishong. The gewog ranges from 100m to 3500m above sea level and enjoys a moderate climate. As the topography of the gewog is steep, settlements are scattered on steep slopes and landslides are very common particularly during monsoon season. Tseri and dryland cultivation dominate agriculture landuse with no wetland farming at all.

### Land use pattern

Name of villages	Households	Tseri land (Acres)	Dry land (Acres)	Wet land (Acres)	Total (Acres)
<b>Mandi</b>	<b>32</b>	<b>32.60</b>	<b>24.63</b>		<b>57.23</b>
Thongsa	48	41.60	55.94		<b>97.54</b>
Chongshing Borang	63	70.01	49.13		<b>119.14</b>
Jorphung	10	9.15	8.35		<b>17.50</b>
Kalishong	10	19.12	18.01		<b>37.13</b>
Yomzore	35	43.37	26.28		<b>69.65</b>
Guyum	40	33.77	14.45		<b>48.22</b>
Lanangzore	20	16.74	27.74		<b>44.48</b>
<b>Total</b>	<b>258</b>	<b>266.36</b>	<b>224.53</b>	<b>0.00</b>	<b>490.89</b>

The gewog has one RNR centre, two ORCs, two community schools, two suspension bridges, about 56 km of mule tracks, and nine water supply schemes.

The diverse agro-ecological condition in the gewog provides potentials for growing cash crops such as ginger, cardamom, and orange and cereal crops such as mustard, millet, buckwheat and maize. The gewog's development potential is limited by lack of access road and market, lack of water source for irrigation, crop damage by wild animals, farm labour shortage, and post harvest losses.

## 2. Summary of Gewog Plan Outlay

Nu. In million

Sl.#	Programme	Outlay			Remarks
		Current	Capital	Total	
1	Agriculture		1.142	1.142	
2	Livestock		0.799	0.799	
3	Forestry		0.143	0.143	
4	Health		0.970	0.970	
5	Education		1.800	1.800	
6	Mule track & Suspension bridge		0.100	0.100	
7	Gewog administration	0.900	1.245	2.145	
	<b>Total</b>	<b>0.900</b>	<b>6.199</b>	<b>7.099</b>	

### 3. Gewog Development Programs

#### *Agriculture Program*

**Crop area, yield and production (Source: Preliminary data, RNR census 2000)**

Commodity	Area ac	Yield kg/ac	Production MT
Maize	173	751	129.799
Wheat	7	429	3.082
Barley	16	464	7.399
Fox tail millet	5	598	2.884

#### *Food security Program*

The prioritized food crops activities are as follows:

- Maize Improvement
- Wheat Improvement
- Legumes Improvement
- Sorghum Improvement
- Fox tail millet Improvement
- Buck wheat Improvement
- Mustard Improvement

#### *Income generation*

Farmers have identified the following priority crops to generate cash income.

- Orange Improvement
- Mango Improvement
- Plum Improvement
- Walnut Improvement
- Ginger Improvement
- Cardamom Improvement
- Vegetables Improvement

#### *Rural livelihood support program*

##### *Construction of irrigation canal*

More than 15 households in Thongsa village have flat land that can be converted to wetland, for which facilitation it is proposed that an irrigation channel 0.8 km long be constructed.

### ***Farm mechanization***

To address farm labour shortages, farm machineries through government subsidy and rural credit facilities will be supplied to farmers based on their needs.

#### **List of farm machineries required**

<b>Sl.#</b>	<b>Machineries</b>	<b>Number</b>	<b>Location</b>	<b>Remarks</b>
1	Grinding machine	2	Lanagzore and Chongshing Borang	
2	Oil expeller	2	Thongsa and Chongshing Borang	
3	Agr. Tools & implements	-	All villages	As & when required

### ***Strengthening of RNR center***

The existing RNR center at Thongsa will be renovated and be connected to an independent water supply to develop demonstration plot at the center.

### ***Plant protection program***

Based on demand from the farmers, chemical fertilizers, pesticides and weedicides shall be made available to the farmers as and when required.

### ***Nature conservation and environment protection program***

Demonstration on sustainable use of natural resources and awareness workshop shall be conducted at Chongshing Borang, Jorphung and Guyum villages for 40 households.

### ***Employment generation program***

To create employment opportunities for school dropouts, it is proposed to establish agro-industry and auction yard at Denchi under Shumar gewog. Proposal for feasibility study has been submitted to Trade and Industry Ministry for the Ninth Plan.

### ***Institutional and capacity development program***

The details of training for farmers, extension staff, and study tour are as follows:

<b>Sl.#</b>	<b>Area of training required</b>	<b>Farmer</b>	<b>Location</b>	<b>Remarks</b>
1	Improved orange management	100	All villages	Selected growers
2	PHT: potato storage and disease control	100	All villages	Selected growers
3	Integrated pest management	100	All villages	Selected farmers
4	Basic ginger cultivation and marketing	100	All villages	Selected farmers
5	Basic cardamom cultivation methods	50	Yomzore, Guyum, Mandi	Selected farmers
6	Walnut orchard management	70	Lanagzore & Guyum	Selected growers
7	Mango orchard management	50	All villages	Selected growers
8	Sloppy area land technology	40	All villages	Selected farmers

### **Livestock program**

#### ***Income generation***

Three dairy backyard farms will be established and 500 pullets and 20 piglets given to farmers. Dzongkhag shall provide technical support and help acquire BDFC loan.

#### ***Rural Livelihood support program***

#### ***Breed improvement***

Breed improvement program shall be carried out through AI provision, supply of improved breeding bulls and conservation of improved breeds.

#### **Bull supply for breed improvement**

<b>#</b>	<b>Breed supply</b>	<b>Number</b>	<b>Location</b>	<b>Remarks</b>
1	Mithun bull	1	Mandi	Full cost borne by beneficiary
2	Pure jersey bull	2	Thongsa and Guyum	50% cost borne by beneficiary
3	Nublang bull	3	Chongshing Borang, Guyum & Lanagzore	Full cost borne by beneficiary
4	AI (brown swiss)	200 doses	Thongsa RNR	Free supply

#### ***Feed and fodder developmen***

To ensure reliable and quality fodder for improved breeds, four acres of pastureland shall be developed and 3000 fodder seedlings supplied for plantation. Pasture demonstration shall be carried out in five acres for the benefit of 135 households of Mandi, Yomzore, Chongshing Borang, Kalishong, and Lanagzore.

### ***Animal health services***

Extension staff shall continue to provide regular animal health services and be helped by village animal health workers trained on basic animal health treatment.

### ***Institutional and capacity development Program***

Under this program, it is proposed to provide trainings to the farmers on backyard farm management and production and to organize livestock show cum exhibition.

### **Forestry Program**

#### ***Income generation Program***

##### ***Private forestry***

Farmers shall be encouraged to establish private forestry through awareness campaign, workshops, and free supply of seedlings. During the Ninth Plan, Thongsa, Mandi and Yomzore villages are identified for private forestry development.

##### ***Private nursery***

To ensure adequate supply of seedlings for establishment of private and community forestry, and to generate income, it is proposed to establish a private nursery. The required trainings in development of private nursery management shall be provided by the dzongkhag.

#### ***Nature conservation and environment protection program***

##### ***Fire management and contro***

To prevent natural resource depletion, 150 farmers will be trained on forest fire control methods. Fire-fighting equipment shall also be provided to fire prone areas.

##### ***Afforestation program***

To protect and conserve watershed/catchments areas, afforestation shall be carried out in depleted and barren areas.

#### ***Institutional and capacity development program***

Under this program, various farmers' training and study tours will be organized to expose farmers to new farm technologies.

## **Health Program**

### ***Renovation of two ORC***

The existing ORC at Thongsa and Chongshing Borang shall be renovated and maintained on regular basis by the beneficiaries. Institutional latrine shall also be constructed in each ORC during the Ninth Plan.

### ***Promotion of model village***

The model village concept shall be promoted through the construction of model village at an appropriate location. Further, it will be promoted through health program in the BHUs.

### ***Construction and Rehabilitation of RWSS***

It is proposed to construct two RWSS schemes at Thongsa and Mandi villages and rehabilitate two existing schemes at Jorphung and Chongshing Borang. The new schemes have a coverage of more than 49 households. Three spring source protection works shall also be carried out in Zungri, Mandi and Yomzore, which would cover about 17 households.

## **Education Program**

The Chongshing Borang gewog has two community schools serving 258 households.

### **Education coverage**

<b>Sl. #</b>	<b>Name of village</b>	<b>No. of HH</b>	<b>Name of school</b>	<b>Walking distance to school</b>
1	Thongsa	48	Thongsa CS	25 minutes
2	Mandi	32		20 minutes
3	Guyum	40	Yurung JHS	20 minutes
4	Lanangzore	20		40 minutes
5	Yomzore	35	Chongshing CS	30 minutes
6	Chonshingborang	50		-
7	Chongshing Goenpa	13		30 minutes
8	Jorphung	10		30 minutes
9	Kalishong	10		40 minutes

As shown in the table above, although the gewog has only two community schools, the education coverage is quite satisfactory, as it is covered from Dungme, Yurung and Tshebar lower secondary schools. The GPER for Chongshing Borang is estimated at 21% while the intake rate at Pre- Primary is 64%.



### ***Strengthening of Thongsa community school***

Thongsa Community School accommodates classes from PP-VI. Since the school does not have required facilities, it is proposed to construct staff quarter, reconstruct main academic building with eight classroom blocks, develop a play field, fencing of school compound, and renovation of the existing structures.

### ***Strengthening of Chongshing Borang Community School***

Chongshing Borang community school was established during the 8th FYP period and will expand structurally by construction of staff quarter, development of play field, and fencing of school compound during the Ninth Plan.

## **Road (Mule Track & Suspension bridges) Program**

### ***Improvement of mule track***

The mule track improvement and maintenance works shall be carried out by the gewog on regular basis.

### ***Rehabilitation of Suspension bridge***

It is proposed to rehabilitate two suspension bridges at Chemrizam and upper Urizam. The dzongkhag engineering cell shall execute the work and the beneficiaries contribute labour.

## **Gewog Administration Program**

### ***Construction of Gup's Office***

Keeping in view the important role that the Gup has to play in the development of the gewog, it is proposed to construct a Gup's office with GYT hall during the Ninth Plan. The site for construction of the office is identified at Thongsa Ngangsingma.

### ***Renovation of lhakhangs***

Three community lhakhangs at Guyum, Chongshing Borang Goenpa and Yomzore are proposed for renovation during the Ninth Plan. The beneficiaries shall execute the work, while some support for purchase of CGI sheets, materials and payment for skilled labour are requested from the government.

#### 4. Budget Estimates

*Nu. In million*

#	Program/Activity	Unit	Target	Budget			Remarks
				Current	Capital	Total	
<b>1</b>	<b>Agriculture Program</b>						
1.1	Crop Promotion Program						
	Maize promotion	Kg	500		0.007	0.007	
	Demonstration/trial	No.	5		0.005	0.005	
	Wheat promotion	Kg	1000		0.016	0.016	
	Demonstration/trial	No.	5		0.005	0.005	
	Millet promotion	Kg	500		0.010	0.010	
	Demonstration/trial	No.	5		0.005	0.005	
	Mustard promotion	Kg	500		0.019	0.019	
	Demonstration/trial	No.	5		0.005	0.005	
	Soyabean promotion	Kg	500		0.012	0.012	
	Demonstration/trial	No.	5		0.005	0.005	
	Buckwheat promotion	Kg	500		0.010	0.010	
	Demonstration/trial	No.	5		0.005	0.005	
	Sorghum promotion	Kg	500		0.010	0.010	
	Demonstration/trial	No.	5		0.005	0.005	
	Orange promotion	Kg	2000		0.026	0.026	
	Demonstration/trial	No.	5		0.005	0.005	
	Mango promotion	No.	2000		0.052	0.052	
	Demonstration/trial	No.	5		0.005	0.005	
	Plum promotion	No.	1000		0.013	0.013	
	Demonstration/trial	No.	5		0.005	0.005	
	Walnut promotion	No.	1000		0.020	0.020	
	Demonstration/trial	No.	5		0.005	0.005	
	Ginger fibre promotion	Kg	10000		0.200	0.200	
	Demonstration/trial	No.	5		0.005	0.005	
	Cardamom promotion	No.	40000		0.200	0.200	
	Demonstration/trial	No.	5		0.005	0.005	
	Potato promotion	Kg	10000		0.080	0.080	
	Demonstration/trial	No.	5		0.005	0.005	
	Vegetable promotion	Pkt	1000		0.010	0.010	
	Demonstration/trial	No.	5		0.005	0.005	
	Pesticides and chemicals	Hhs	258		0.010	0.010	
	Demonstration in SALT	No.	5		0.025	0.025	
	Training on orange mgnt	Hhs	100		0.015	0.015	
	Training on PHT potato	Hhs	100		0.015	0.015	

	Training on IPM techno.	Hhs	100		0.015	0.015	
	Training on ginger	Hhs	100		0.015	0.015	Production & marketing
	Training on cardamom	Hhs	50		0.008	0.008	
	Training on mango	Hhs	50		0.008	0.008	Orchard management
	Training on SALT techno.	Hhs	40		0.006	0.006	
	Study tour on SALT	No.	2		0.025	0.025	
	Awareness campaign	No.	2		0.040	0.040	Orchard hygiene
1.2	Irrigation activities					0.000	
	New irrigation canal	Km	0.8		0.200	0.200	At Zungri
	<b>Sub-total</b>			<b>0.000</b>	<b>1.142</b>	<b>1.142</b>	
<b>2</b>	<b>Livestock Program</b>						
	Piglets transportation	No.			0.029	0.029	Supply at full cost
	Pure jersey bulls	No.	2		0.038	0.038	Supply at half cost
	Artificial insemination	Dose	200		0.028	0.028	
	Fodder seed	Acre	4		0.032	0.032	Nu.0.016 for transportation
	Fodder seedling	No.	3000		0.008	0.008	
	Pasture demonstration	Acre	5		0.050	0.050	
	Medicines & vaccines				0.490	0.490	Inclusive of transportation
	VAHW training	No.	5		0.015	0.015	One in each village
	Piggery mgnt training	No.	3		0.009	0.009	
	Dairy mgnt training	No.	5		0.015	0.015	
	Poultry mgnt training	No.	8		0.023	0.023	
	Feed and fodder training	No.	2		0.006	0.006	
	Disease awareness trng.	No.	2		0.006	0.006	
	Livestock shows/exhibition	No.	1		0.050	0.050	
	<b>Sub-total</b>			<b>0.000</b>	<b>0.799</b>	<b>0.799</b>	
<b>3</b>	<b>Forestry Program</b>						
	Supply of seedlings	No.	17000		0.068	0.068	
	Fire control training	No.	5		0.075	0.075	
	Farmers' study tour	No.	5	0	0	0.000	Budget with dzongkhag
	<b>Sub-total</b>			<b>0.000</b>	<b>0.143</b>	<b>0.143</b>	
<b>4</b>	<b>Health Program</b>						
	Chongshing Borang ORC renovation	No.	1		0.050	0.050	
	Chongshing Borang ORC latrine	No.	1		0.010	0.010	
	Thongsa ORC renovation	No.	1		0.050	0.050	
	New latrine for Thongsa ORC	No.	1		0.010	0.010	
	Model village promotion	No.	1		0.050	0.050	

	New water supply scheme	No.	2		0.500	0.500	Thongsa & Mandi villages
	Rehabilitation	No.	2		0.100	0.100	Jorphung & Chongshing Borang
	Spring protection	No.	3		0.150	0.150	Zungri, Mandi & Yomzore
	Institutional latrines	No.	2		0.050	0.050	Chongshing Borang & Thongsa CS
	<b>Sub-total</b>				<b>0.000</b>	<b>0.970</b>	<b>0.970</b>
<b>5</b>	<b>Education Program</b>						
5.1	<i>Thongsa CS</i>						
	New staff quarter	Unit	4				
	Reconstruction of main building	No.	1				
	Expansion of sports fields	No.	1				
	MS angle fencing						
	Library books				0.200	0.200	
	Furniture				0.200	0.200	
	Materials for renovation				0.500	0.500	
5.2	<i>Chongshing Borang CS</i>						
	New staff quarter	Unit	2				
	Expansion of sports fields	No.	1				
	MS angle fencing						
	Library books				0.200	0.200	
	Furniture				0.200	0.200	
	Materials for renovation				0.500	0.500	
	<b>Sub-total</b>				<b>0.000</b>	<b>1.800</b>	<b>1.800</b>
<b>6</b>	<b>Mule track &amp; suspension bridge Program</b>						
1	Mule tracks	Km			0.000	0.000	
2	Rehab. of suspension bridge	No.	2		0.100	0.100	Uri upper & Chemrizam
	<b>Sub-total</b>				<b>0.000</b>	<b>0.100</b>	<b>0.100</b>
<b>7</b>	<b>Gewog administration Program</b>						
	Gup's office construction	No.	1		0.700	0.700	Thongsa Ngangsingma
	Furniture				0.050	0.050	
	Lhakhang renovation	No.	3		0.495	0.495	Guyum, Yomzore, C/goenpa
	Establishment cost				0.900	0.900	Stationer and salaries
	<b>Sub-total</b>				<b>0.900</b>	<b>1.245</b>	<b>2.145</b>
	<b>Total</b>				<b>0.900</b>	<b>6.199</b>	<b>7.099</b>

## **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, necessary to underscore 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.