



**ANNUAL DZONGKHAG STATISTICS
2010**



**Dzongkhag Administration
BUMTHANG**

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BUMTHANG DZONGKHAG



GEWOG CENTRE

Scale :1:250,000

12,500 6,250 0 12,500 Meters



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Preface

The Annual Dzongkhag Statistics of Bumthang is the first in the series of publications. It attempts to provide comprehensive statistics of Bumthang Dzongkhag and will be published annually.

The report contains statistics on demographic and socio-economic, environment, culture, local governance and infrastructures of the Dzongkhag. The statistical data for this publication are collected and compiled from various sectors and through primary sources.

We hope that this report will serve as a source of information and guiding tool for micro-level planning and decision-making in the Dzongkhag. Statistics office, Bumthang would like to thank and acknowledge the support and cooperation of all sector heads concerned for providing timely information for this report. Without their support, this publication would not have been possible. Through this initiative, we also hope that the maintenance of sectoral information and updation in the Dzongkhag will become more systematic and efficient henceforth.

Since this report is the first publication and with information source being from numerous sectors, we expect there may be certain deficiencies in terms of coverage and updation. However, there will be continuous efforts made to improve its coverage and quality in our future publications. Your comments and suggestions in this regard will be highly appreciated.

National Statistics Bureau
Thimphu

Background

Bumthang Dzongkhag, encompassing a total area of 2,708.46 Sq.Km with an altitude ranging from 2400-6000 meters above the sea level, has four Gewogs, namely Choekhor, Chhumey, Tang and Ura. It is bordered by China in the north, Mongar in the east, Zhemgang in the south and Trongsa in the west.

As per the PHCB 2005, Bumthang has 1,462 households and a total population of 16,116 out of which 11,913 live in the rural areas. The projected population for 2009, based on PHCB 2005, is 17,258.

A favorable terrain condition coupled with easy road accessibility has brought manifold changes in the socio-economic development of Bumthang. It is also considered as one of the prosperous Dzongkhags in the country.

The main source of income for the people of Bumthang are from potatoes, livestock farms and more recently tourism related activities. The sale of Cordyceps, Masutake and medicinal plants are also supplementing their income.

The Dzongkhag has a total road network of 193.1 Km including 124 Km of National Highway from Yotongla to Thrumshingla. It has a total of 19 Schools, out of which 12 are Community Primary Schools, 1 Primary School, 2 Lower Secondary Schools, 2 Middle Secondary Schools and 2 Higher Secondary Schools with a total of 4,312 students and 219 teachers as of December 2010. It also has 14 NFE Centres and over 127 NFE Learners and 14 NFE Instructors. Ugyen Wangchuk Institute for Conservation and Environment and Chumey Institute for Civil Engineering with over 198 trainees and 35 teachers as of July 2010 are also located in Bumthang. It has one hospital and four BHUs.

As of 2009, a total of 359 households have access to direct fixed telephone line and 2,823 mobile subscribers. The Dzongkhag also has a mini-hydro power plant located at Chhumey Gewog supplying power to the local community.

Abbreviations

%:	Percent	LFS:	Labor Force Survey
< :	Less than	LSS:	Lower Secondary School
> :	Greater than	Max:	Maximum
AIDS:	Acquired Immune Deficiency Syndrome	Min:	Minimum
Avg:	Average	MSS:	Middle Secondary School
BHU:	Basic Health Unit	n.a:	Not Available
BLSS:	Bhutan Living Standard Survey	N.A:	Not Applicable
Cft:	Cubic Feet	NFE:	Non Formal Education
CPS:	Community Primary school	Nu:	Ngultrum
DPTH:	Diphtheria Parthusis Tetanus Hepatitis B	ORC:	Outreach Clinic
DYT:	Dzongkhag Yargye Tsogdue	PAR:	Poverty Analysis Report
FYP:	Five Year Plan	PHCB:	Population and Housing Census of Bhutan
GDP:	Gross Domestic Product	PP:	Pre Primary
GIS:	(Infrastructure mapping): Geographical Infrastructure System	PS:	Primary School
Gm:	Gram	Pvt:	Private
GYT:	Gewog Yargye Tshogchung	Qty:	Quantity
HIV:	Human Immune Virus	Sq. Km:	Square Kilometer
Hr:	Hour	SYB:	Statistical Yearbook
HSS:	Higher Secondary School	TV:	Television
Inst:	Institute		
Kg:	Kilogram		

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TABLE 1.1: GENERAL INFORMATION, BUMTHANG, 2005 TO 2009

Details	2005	2006	2007	2008	2009
Dzongkhag area (Sq. Km) *	2,708.5	2,708.5	2,708.5	2,708.5	2,708.5
Population (Number) **	11,913	16,398	16,682	16,966	17,258
Population density (Persons per Sq. Km)	4	6	6	6	6
Population sex ratio	116	118	118	117	117
Administration (Number) ***					
Drungkhags	0	0	0	0	0
Gewogs	4	4	4	4	4
Chiwogs	43	43	43	43	43
Villages	105	105	105	105	105
Households ****	2,870	1,371	1,371	1,371	1,371
Towns	1	1	1	1	1

Source : * Tenth Plan Document

** Total population for the year 2006 onwards are based on the projected population.

*** Gewog Administration Office, Bumthang Dzongkhag

**** Figure as per Registration Sector

Note: Figures for the year 2006 onwards are based on the projected population.

TABLE 1.2: LOCAL GOVERNANCE, BUMTHANG, 2007 TO 2009

Details	2007	2008	2009
Local governance (Number)			
Total Gewog Tshogpas *	n.a	n.a	43
Male	n.a	n.a	30
Female	n.a	n.a	13
Total Mangmis *	4	4	4
Male	4	4	4
Female	0	0	0
Total Chupons *	n.a	n.a	62
Male	n.a	n.a	29
Female	n.a	n.a	33
DYT members **	9	9	9
Male	9	9	9
Female	n.a	n.a	n.a
GYT members *	n.a	n.a	51
Male	n.a	n.a	39
Female	n.a	n.a	12
Polling stations ***	19	19	19
Eligible voters (18 years and above) ***	6,958	6,954	n.a
Male	n.a	n.a	n.a
Female	n.a	n.a	n.a
Parliamentarians	1	3	3
Male	1	3	3
Female	0	0	0
Total Dzongkhag Adm. Staff ****	375	365	456
Male	265	260	307
Female	110	105	149
Police stations *****	1	1	1

Source : - * Gewog Administration Office, Bumthang Dzongkhag.
 - *** Dzongkhag Election Sector, Bumthang Dzongkhag
 - **** Dzongkhag Tshogdu Office, Bumthang Dzongkhag
 - ***** Royal Bhutan Police, Bumthang Dzongkhag

TABLE 2.1: POPULATION BY AGE AND SEX, BUMTHANG, 2005 TO 2009

Age-group by sex	2005	2006	2007	2008	2009
Total	11,913	16,398	16,682	16,966	17,258
0-4	987	1,731	1,844	1,955	2,064
5-9	1,176	1,702	1,660	1,624	1,596
10-14	1,489	1,833	1,807	1,777	1,746
15-19	1,520	1,802	1,812	1,819	1,821
20-24	1,323	1,696	1,712	1,727	1,740
25-29	1,019	1,521	1,554	1,584	1,611
30-34	723	1,266	1,312	1,358	1,405
35-39	637	1,058	1,088	1,118	1,153
40-44	521	859	891	925	960
45-49	518	707	727	747	771
50-54	453	583	600	616	635
55-59	337	478	489	502	515
60-64	358	386	394	403	412
65+	852	776	792	811	829
Male	6,398	8,892	9,033	9,173	9,314
0-4	481	901	960	1,018	1,075
5-9	575	890	867	847	831
10-14	798	966	950	933	915
15-19	858	962	964	964	962
20-24	872	932	935	937	937
25-29	566	849	866	881	893
30-34	416	715	739	763	787
35-39	333	599	616	633	652
40-44	263	480	500	520	541
45-49	267	392	403	414	428
50-54	236	322	331	340	350
55-59	172	262	268	275	282
60-64	179	210	214	219	224
65+	382	412	420	429	437
Female	7,520	9,512	9,656	9,801	9,953
0-4	506	830	884	937	989
5-9	601	812	793	777	765
10-14	691	867	857	844	831
15-19	662	840	848	855	859
20-24	451	764	777	790	803
25-29	453	672	688	703	718
30-34	307	551	573	595	618

TABLE 2.1 (Contd.): POPULATION BY AGE AND SEX, BUMTHANG, 2005 TO 2009

Age-group by sex	2005	2006	2007	2008	2009
35-39	304	459	472	485	501
40-44	258	379	391	405	419
45-49	251	315	324	333	343
50-54	217	261	269	276	285
55-59	165	216	221	227	233
60-64	179	176	180	184	188
65+	470	364	372	382	392

Source : Population & Housing Census of Bhutan, 2005

Note : Figures for the year 2006 onwards are based on the projected population

TABLE 3.1: NUMBER OF SCHOOLS, INSTITUTIONS, TEACHERS AND STUDENTS , BUMTHANG,
2008 TO 2010

Details	GPs	PS	LSS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
2008											
Number of schools and institutions	12	1	2	2	1	0	1	2	14	0	35
Teaching staff											
Bhutanese	62	9	38	43	23	0	6	29	9	0	219
Male	43	5	17	28	15	0	5	23	3	0	139
Female	19	4	21	15	8	0	1	6	6	0	80
Non-Bhutanese	0	0	0	2	2	0	5	0	0	0	9
Male	0	0	0	2	1	0	5	0	0	0	8
Female	0	0	0	0	1	0	0	0	0	0	1
Temporary teachers	0	0	6	2	2	0	0	0	0	0	10
Male	0	0	2	1	1	0	0	0	0	0	4
Female	0	0	4	1	1	0	0	0	0	0	6
Number of students	1,152	307	1,066	1,005	493	0	250	138	35	0	4,446
Male	566	141	514	517	256	0	138	82	17	0	2,231
Female	586	166	552	488	237	0	112	56	18	0	2,215
Student to teacher ratio	1:19	1:34	1:24	1:21	1:18	0	1:23	1:5	1:4	0	1:19

TABLE 3.1 (contd.): NUMBER OF SCHOOLS, INSTITUTIONS, TEACHERS AND STUDENTS, BUMTHANG, 2008 TO 2010

Details	CPS	PS	LSS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
2009											
Number of schools and institutions	12	1	2	2	1	0	1	2	14	0	35
Teaching staff											
Bhutanese	62	10	38	43	23	0	6	33	9	0	224
Male	43	5	17	28	15	0	5	26	3	0	142
Female	19	5	21	15	8	0	1	7	6		82
Non-Bhutanese	0	0	0	2	2	0	5	0	0	0	9
Male	0	0	0	2	1	0	5	0	0	0	8
Female	0	0	0	0	1	0	0	0	0	0	1
Temporary teachers	0	0	6	2	2	0	0	2	0	0	12
Male	0	0	2	1	1	0	0	2	0	0	6
Female	0	0	4	1	1	0	0	0	0	0	6
Number of students	1,116	319	1,062	1,043	451	0	254	53	170	0	4,468
Male	530	142	526	524	224	0	117	33	17	0	2,113
Female	586	177	536	519	227	0	137	20	153	0	2,355
Student to teacher ratio	1:18	1:32	1:24	1:22	1:17	0	1:23	1:2	1:19	0	1:18
2010											
Number of schools and institutions	12	1	2	2	1	0	1	2	14	1	36
Teaching staff											

TABLE 3.1 (contd.): NUMBER OF SCHOOLS, INSTITUTIONS, TEACHERS AND STUDENTS, BUMTHANG, 2008 TO 2010

Details	CPs	PS	LSS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
Bhutanese	64	13	42	43	27	0	7	34	14	0	244
Male	48	5	20	27	17	0	6	28	3	0	154
Female	16	8	22	16	10	0	1	6	11	0	90
Non-Bhutanese	0	0	0	2	2	0	5	1	0	0	10
Male	0	0	0	2	1	0	5	1	0	0	9
Female	0	0	0	0	1	0	0	0	0	0	1
Temporary teachers	0	0	8	2	4	0	0	0	0	0	14
Male	0	0	5	2	3	0	0	0	0	0	10
Female	0	0	3	0	1	0	0	0	0	0	4
Number of students	1,139	329	1,160	938	484	0	262	198	127	0	4,637
Male	531	147	555	480	251	0	152	119	22	0	2,257
Female	608	182	605	458	233	0	110	79	105	0	2,380
Student to teacher ratio	1:18	1:25	1:23	1:20	1:15	0	1:22	1:6	1:9	0	1:17

Source : Dzongkhag Education Sector, Bumthang Dzongkhag.

Note : 2010 - Education Statistics as of July, 2010.

TABLE 3.2: SCHOOL ENROLMENT BY GRADE AND SEX, BUMTHANG,
2008 TO 2010

Class	2008	2009	2010
Primary level			
Total	2,274	2,203	2,265
Class PP	331.0	314.0	347.0
Class I	296.0	320.0	316.0
Class II	308	299	309
Class III	356	292	319
Class IV	347	362	313
Class V	315	339	340
Class VI	321	277	321
Male	1,133	1,077	1,092
Class PP	168	153	190
Class I	137	155	156
Class II	163	140	145
Class III	178	153	148
Class IV	174	183	143
Class V	161	159	165
Class VI	152	134	145
Female	1,141	1,126	1,173
Class PP	163	161	157
Class I	159	165	160
Class II	145	159	164
Class III	178	139	171
Class IV	173	179	170
Class V	154	180	175
Class VI	169	143	176
Secondary level			
Total	1,692	1,723	1,718
Class VII	335	379	349
Class VIII	343	306	334
Class IX	287	317	320
Class X	300	277	279
Class XI	220	157	205
Class XII	207	287	231

TABLE 3.2 (contd.): SCHOOL ENROLMENT BY GRADE AND SEX, BUMTHANG,
2008 TO 2010

Class	2008	2009	2010
Class VII	166	173	165
Class VIII	158	153	155
Class IX	143	154	168
Class X	144	137	135
Class XI	115	84	118
Class XII	132	143	136
Female	834	879	841
Class VII	169	206	184
Class VIII	185	153	179
Class IX	144	163	152
Class X	156	140	144
Class XI	105	73	87
Class XII	75	144	95

Source : Dzongkhag Education Sector, Bumthang Dzongkhag

Note : 2010 - Education Statistics as of July, 2010

TABLE 3.3: STUDENTS BY AGE-GROUP, SEX AND BY LEVEL, BUMTHANG,
2008 TO 2010

Details	2008	2009	2010
Students in primary school level (Class PP-VI)			
Total	2,274	2,186	2,265
Age < 6 years	32	46	41
Age 6-12 years	1,842	1,863	1,915
Age 13 & above	400	277	309
Male	1,124	1,071	1,085
Age < 6 years	18	14	22
Age 6-12 years	914	918	921
Age 13 & above	192	139	142
Female	1,150	1,115	1,180
Age < 6 years	14	32	19
Age 6-12 years	928	945	994
Age 13 & above	208	138	167
Student in LSS level (Class VII-VIII)			
Total	678	702	683
Age < 13 years	12	31	25
Age 13-14 years	303	350	342
Age 15 & above	363	321	316
Male	322	343	320
Age < 13 years	6	15	13
Age 13-14 years	142	172	161
Age 15 & above	174	156	146
Female	356	359	363
Age < 13 years	6	16	12
Age 13-14 years	161	178	181
Age 15 & above	189	165	170
Students in MSS level (Class IX-X)			
Total	587	594	599
Age < 15 years	46	16	59
Age 15-16 years	218	251	220
Age 17 & above	323	327	320
Male	283	290	318
Age < 15 years	40	9	27
Age 15-16 years	105	130	124
Age 17 & above	138	151	167

TABLE 3.3 (contd.): STUDENTS BY AGE-GROUP, SEX AND BY LEVEL,
BUMTHANG, 2008 TO 2010

Details	2008	2009	2010
Female	304	304	281
Age < 15 years	6	7	32
Age 15-16 years	113	121	96
Age 17 & above	185	176	153
Students in HSS level (Class XI-XII)			
Total	427	444	436
Age < 17 years	4	4	34
Age 17-18 years	203	135	101
Age 19 & above	220	305	301
Male	248	227	242
Age < 17 years	3	2	20
Age 17-18 years	112	73	47
Age 19 & above	133	152	175
Female	179	217	194
Age < 17 years	1	2	14
Age 17-18 years	91	62	54
Age 19 & above	87	153	126

Source : Dzongkhag Education Sector, Jakar, Bumthang

Note : 2010 - Education Statistics as of July, 2010.

TABLE 3.4: NUMBER OF SANITATION & WATER FACILITIES IN SCHOOLS,
BUMTHANG, 2008 TO 2010

Details	2008	2009	2010
Number of schools with toilet facilities			
Flush toilet	135	133	135
Pit latrine	65	64	62
Other type	2	n.a	19
No toilet	n.a	n.a	n.a
Number of schools with water facilities			
Tap/pipe water	297	315	315
Pond/spring	11	11	2
Stream	n.a	n.a	n.a
Other	n.a	n.a	n.a

Source : Dzongkhag Education Sector, Bumthang Dzongkhag

Note : 2010 - Education Statistics as of July, 2010

TABLE 4.1: TYPE OF HEALTH INFRASTRUCTURE, FACILITIES & PERSONNEL,
BUMTHANG, 2007 TO 2009

Details	2007	2008	2009
Number of hospitals	1	1	1
Number of BHUs			
BHU grade I	n.a	n.a	n.a
BHU grade II	3	4	4
Number of ORCs	15	14	14
Number of indigenous units	1	2	2
Number of doctors	2	2	1
Number of hospital/BHU beds	42	42	42
Persons per doctor	8,341	8,483	17,258
Persons per hospital bed	397	404	411
Total morbidity attendance	38,112	40,756	44,230
Health Assistants	8	8	9
Basic health workers	4	4	4
Sister and nurses	9	8	7
Technicians	7	10	8
Indigenous dungtsho	1	1	1
Indigenous compounders/Menpas	1	2	2
Malaria workers	0	0	0
Village health workers	27	25	24
Births attended by skilled personnel	33	193	11
Number of births in medical facility	103	174	10
Number of children immunized			
Polio	877	1,060	369
DPTH	696	854	367
Measles	332	315	336
Others, BCG	189	217	16
Family planning acceptors by type			
Condom distributed	82,362	64,938	68,744
Pills	200	190	1,038
Injection DMPA	720	690	1,264
IUD	118	109	45

TABLE 4.1 (contd.): TYPE OF HEALTH INFRASTRUCTURE, FACILITIES & PERSONNEL,
BUMTHANG, 2007 TO 2009

Details	2007	2008	2009
Vasectomy	100	75	62
Tubectomy	57	55	54
Others	0	0	0

Source : Dzongkhag Health Sector, Bumthang Dzongkhag

TABLE 4.2: TOP TEN MORBIDITY, BUMTHANG, 2007 TO 2009

Priority health problem/ Disease	2007	2008	2009
Diarrhoea	939	1,238	1,446
Conjunctivitis	1,300	1,261	1,814
Dysentery	573	328	412
Typhoid	148	45	36
Sexually transmitted disease, excluding HIV/AIDS	37	41	24
Diabetes	22	50	16
Tuberculosis	8	1	8
Early Syphilis	2	0	7
Cholera	0	1	2
Tetanus	0	0	0
Diphtheria	0	0	0
Pertussis	0	0	0

Source : Dzongkhag Health Sector, Bumthang Dzongkhag

TABLE 5.1: NUMBER OF INDUSTRIAL ESTABLISHMENT & TRANSPORT, BUMTHANG,
2007 TO 2009

Details	2007	2008	2009
Trade and Industries (Number) *	1,284	1,434	1,578
Micro & retail trade licences issued	271	325	366
Micro & retail trade licences in operation	271	325	366
Wholesale trade licences issued	4	3	4
Wholesale trade licences in operation	4	3	4
Services licences issued	331	351	373
Services licences in operation	331	351	373
Manufacturing licenses issued	36	38	46
Manufacturing licenses in operation	36	38	46
Public Transport operators (Numbers) **	22	33	41
Bus	1	1	1
Taxi	21	32	40
Others	0	0	0
Industries by type (Number) *	36	39	46
Agro based	6	6	9
Forestry based	24	28	31
Mineral based	1	1	2
Others	5	4	4
Industries by scale (Number) *	36	39	46
Large	0	0	0
Medium	0	0	0
Small	6	8	8
Cottage	30	31	38
Contract firms (Number) *	39	46	58
A	1	1	2
B	2	2	1
C	6	4	6
D (Petty)	30	39	49

Source : - * Regional Trade and Industry Office (RTIO), Trongsa.

- ** Road Safety and Transport Authority (RSTA), Bumthang Dzongkhag

TABLE 6.1: RENEWABLE NATURAL RESOURCES, BUMTHANG,
2007 TO 2009

Agriculture	2007	2008	2009
Irrigation for agriculture			
Number of irrigation channels	25	25	25
Functional	25	25	25
Non Functional	n.a	n.a	n.a
Total length of channels (Km)	39	39	39
Area covered by irrigation (Acres)	1,591	1,591	1,591
Number of households benefitted	580	580	580
Number of food processing units	1	1	1
Number of agriculture mills *	32	32	32
Number of livestock product processing units	4	4	4
Number of farmer association/groups			
Agriculture	5	5	10
Livestock	n.a	n.a	5
Forestry	n.a	2	9
Number of power tillers	32	24	121

Source: Dzongkhag Agriculture Sector, Bumthang Dzongkhag

Note:* Including two traditional mills

TABLE 6.2: AGRICULTURAL PRODUCTION, BUMTHANG, 2007 TO 2009

Details	2007	2008	2009
Paddy			
Area (Acres)	24	27	151
Production (MT)	55	50	285
Price per Kg(Nu.)	n.a	n.a	60
Maize			
Area (Acres)	5	3	9
Production (MT)	4	1	11
Price per Kg(Nu.)	n.a	n.a	15
Wheat			
Area (Acres)	642	560	883
Production (MT)	230	915	358
Price per Kg(Nu.)	n.a	15	30
Barley			
Area (Acres)	419	501	523
Production (MT)	184	367	440
Price per Kg(Nu.)	n.a	n.a	25
Buckwheat			
Area (Acres)	611	836	1,253
Production (MT)	257	86,544	542
Price per Kg(Nu.)	n.a	n.a	15
Millet			
Area (Acres)	n.a	n.a	n.a
Production (MT)	n.a	n.a	n.a
Price per Kg(Nu.)	n.a	n.a	n.a
Fruits			
Apples			
Number of fruit bearing trees	7,071	3,881	9,020
Production (Kg)	172,336	84,606	2,073,754
Production (Nu.)	6,272	249,982	4,082,071
Oranges/ Mandarin			
Number of fruit bearing trees	N.A	N.A	N.A
Production (Kg)	N.A	N.A	N.A
Production (Nu.)	N.A	N.A	N.A
Banana			
Number of fruit bearing trees	N.A	N.A	N.A
Production (Kg)	N.A	N.A	N.A

TABLE 6.2 (contd.): AGRICULTURAL PRODUCTION, BUMTHANG,
2007 TO 2009

Details	2007	2008	2009
Production (Nu.)	N.A	N.A	N.A
Pear			
Number of fruit bearing trees	n.a	18	387
Production (Kg)	n.a	630	5,532
Production (Nu.)	n.a	n.a	81,600
Plum			
Number of fruit bearing trees	18	26	158
Production (Kg)	67	65	2,866
Production (Nu.)	n.a	n.a	60,000
Areca Nut			
Production (Pon)	N.A	N.A	N.A
Production (Nu.)	N.A	N.A	N.A
Vegetables and Spices			
Potato			
Production (kg)	3,563,397	2,251,200	10,516,852
Production (Nu.)	11,898,830	n.a	61,248,646
Chili			
Production (kg)	7,019	n.a	52,128
Production (Nu.)	n.a	n.a	2,340,950
Onion			
Production (kg)	3,000	2,000	4,000
Production (Nu.)	n.a	n.a	n.a
Cabbage			
Production (kg)	25,444	6,453	77,348
Production (Nu.)	37,967	33,795	1,340,070
Cauliflower			
Production (kg)	n.a	n.a	45,500
Production (Nu.)	n.a	n.a	182,000
Asparagus			
Production (Bundles)	n.a	n.a	2,150
Production (Nu.)	n.a	n.a	96,750
Tomato			
Production (Kg)	1,018	n.a	n.a
Production (Nu.)	n.a	n.a	n.a

TABLE 6.2 (contd.): AGRICULTURAL PRODUCTION, BUMTHANG,
2007 TO 2009

Details	2007	2008	2009
Carrot			
Production (Kg)	n.a	1,551	25,105
Production (Nu.)	n.a	37,700	731,700
Egg Plant (Brinjal)			
Production (Kg)	n.a	n.a	n.a
Production (Nu.)	n.a	n.a	n.a
Raddish			
Production (Kg)	18,095	n.a	115,510
Production (Nu.)	n.a	n.a	1,033,900
Ginger			
Production (Kg)	N.A	N.A	N.A
Production (Nu.)	N.A	N.A	N.A
Cardamom			
Production (Kg)	N.A	N.A	N.A
Production (Nu.)	N.A	N.A	N.A
Garlic			
Production (Kg)	2,259	n.a	14,022
Production (Nu.)	n.a	n.a	847,280
Oil seeds and legumes			
Lentils			
Production (Kg)	n.a	n.a	n.a
Production (Nu.)	n.a	n.a	n.a
Mustards			
Production (Kg)	137	164	38,182
Production (Nu.)	n.a	8,276	37,200
Beans			
Production (Kg)	n.a	n.a	6,525
Production (Nu.)	n.a	n.a	117,012

Source: Dzongkhag Agriculture Sector, Bumthang Dzongkhag

TABLE 6.3: LIVESTOCK POPULATION, BUMTHANG, 2007 TO 2009

Details	2007	2008	2009
Livestock (Number)			
Cattle			
Local breed	4,940	5,646	4,003
Male	1,726	2,104	1,383
Female	3,214	3,542	2,620
Improved breed	4,466	4,597	4,607
Male	1,523	1,457	1,488
Female	2,943	3,140	3,119
Mithun	1,037	1,155	862
Bufallo			
Male	N.A	N.A	N.A
Female	N.A	N.A	N.A
Horse	1,388	1,469	886
Local breed	1,188	1,376	771
Improved breed	200	93	115
Yak	3,481	3,553	3,412
Male	1,344	1,616	1,355
Female	2,137	1,937	2,057
Sheep	932	630	414
Local breed	530	392	282
Improved breed	402	238	132
Pig			
Local breed	n.a	n.a	n.a
Improved breed	n.a	n.a	n.a
Poultry	921	804	643
Local breed	357	416	309
Improved breed	564	388	334
Goat	n.a	n.a	n.a

Source : Dzongkhag Livestock Sector, Bumthang Dzongkhag

Note: Mithun includes Bamin, Jatsa and Jatsam

Table 6.4: LIVESTOCK PRODUCTS, BUMTHANG, 2007 TO 2009

Details	2007	2008	2009
Livestock products			
Fresh Milk (Liters)	1,099,587	1,272,995	1,290,862
Butter (Kg)	46,105	46,072	50,341
Fresh Cheese (Kg)	170,610	186,295	312,368
Processed cheese (kg)	n.a	n.a	n.a
Eggs (Dozen)	67,249	18,684	16,512
Fish (Kg)	n.a	n.a	n.a
Beef (Kg)	13,550	400	n.a
Pork (Kg)	600	600	n.a
Yak Meat (Kg)	n.a	n.a	n.a
Mutton (Kg)	n.a	n.a	n.a
Honey (Gm)	n.a	n.a	n.a
Chicken (Kg)	n.a	n.a	n.a

Source : Dzongkhag Livestock Sector, Bumthang Dzongkhag

Table 6.5: FORESTRY PRODUCTS, BUMTHANG, 2007 TO 2009

Details	2007	2008	2009
Wood Forest Product *			
Log Form (Cft)	143,147	153,063	287,068
Fire wood (Cubic metres)	12,174	10,868	15,098
Flag Poles (Number)	2,988	4,624	7,913
Shinglap (Number of trees)	137	106	383
Cham (Number of trees)	14,166	10,781	23,358
Tsim (Number of trees)	8,113	4,629	14,127
Non-Wood Forest Product *			
Mushroom (Kg)	129	199	11
Mushroom (Nu.)	2,580	1,868	220
Medicinal and Aromatic plants (Kg)	n.a	n.a	n.a
Cordyceps (Kg)	17	114	62
Cordyceps (Nu.)	181,495	790,923	426,823
Sand (Truck Load)	204	175	722
Stones (Truck Load)	17,345	5,464	6,771
Bamboo (Number)	20,808	8,700	17,420
Cane (Bundles)	n.a	n.a	n.a
Lemon grass (Kg)	n.a	n.a	n.a

Source : - * Divisional Forest Office, Batpalathang, Bumthang
 - * Thromsingla National Park, Department of Forest, Ura, Bumthang.

Note : Cordyceps amount collected only for auction royalty charges.

TABLE 7.1: INFRASTRUCTURE, BUMTHANG, 2007 TO 2009.

Details	2007	2008	2009
Roads (Length in Km)	317.1	317.1	317.1
Farm roads *	141	141	141
Feeder roads **	35.5	35.5	35.5
Forest roads *	17	17	17
Highways/Dzongkhag roads *****	124	124	124
Bridges (Number)	27	27	28
Suspension bridges *	11	11	11
Suspended *	5	5	5
Bailey bridges **	3	3	3
Traditional bridges *	8	8	9
Auto workshop centres ***	3	3	3
Bus stations	1	1	1
Post offices ****	1	1	1
Banks *****	1	2	2

Source : - * Dzongkhag Engineering Section, Bumthang Dzongkhag
 - ** Department of Roads, Bumthang.
 - *** Regional Trade & Industry Office, Trongsa.
 - **** Bhutan Post, Bumthang.
 - ***** Bank of Bhutan / Bhutan National Bank, Bumthang
 - ***** Annual Information Bulletin, 2009, PPD, MWHS, Thimphu.

TABLE 8.1: TELECOMMUNICATION, BUMTHANG, 2007 TO 2009.

Details	2007	2008	2009
Telecommunications (Number)			
Households with fixed telephone connections	n.a	n.a	359
Community information centres	n.a	n.a	1
Gewogs accessible to mobile services	n.a	n.a	4
Households with internet access	n.a	n.a	n.a

Source : Gewog Administration Office, Bumthang Dzongkhag.

TABLE 9.1: ENVIRONMENT, BUMTHANG, 2007 TO 2009

Details	2007	2008	2009
Total cultivated land (Acres) *	n.a	n.a	14,485.8
Temperature (Degree Celcius) **			
Avg. Max (Annual)	17.6	17.7	18.3
Avg. Min (Annual)	6.5	6.0	6.4
Rainfall (Millimeter) **			
Avg. Annual rainfall	62	68	59
Number of snowfall occurred at Dzongkhag head quarter	1	n.a	n.a
Damages caused by landslides ***			
Farmland (acres)	n.a	n.a	n.a
Houses (Number)	n.a	n.a	n.a
Roads (Km)	n.a	n.a	n.a
Damages caused by floods ***			
Farmland (acres)	n.a	n.a	28.25
Houses (Number)	n.a	n.a	n.a
Roads (Km)	n.a	n.a	0.530
Crops affected by drought (acres)	n.a	n.a	n.a
Crops damaged by wild animals (acres)	n.a	n.a	n.a
Incidence of earthquake (Number of cases reported) ***	n.a	1	1
Houses damaged by earthquakes (Number)	n.a	1	11
Number of forest fires ****	2	n.a	2
Acreage destroyed by forest fires	12.00	n.a	80.00
Acreage of reforestation ****	n.a	n.a	17.50
Houses/structures damaged by fires (Number) *****	n.a	n.a	4
Mining sites (Number) ***	n.a	n.a	n.a
Quarry sites (Number) ***	n.a	3	3
Municipal waste disposal sites (Number) ***	1	1	1
Environmental clearance issued ***	7	18	16

Source :

- * Dzongkhag Agriculture Sector, Bumthang Dzongkhag
- ** Meterology Office, Department of Energy, Thimphu.
- *** Dzongkhag Environment Sector, Bumthang Dzongkhag
- **** Dzongkhag Forest Sector, Bumthang Dzongkhag
- ***** Dzongkhag Revenue Sector, Bumthang Dzongkhag

TABLE 10.1: DZONGKHAG 9TH & 10TH FIVE YEAR PLAN OUTLAYS, BUMTHANG
(in million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	46.5	25.4	n.a	37.2
Agriculture	17.1	3.6	n.a	12.5
Livestock	23.3	8.1	n.a	17.0
Forestry	5.5	2.0	n.a	2.8
Education	128.1	45.7	n.a	n.a
Health	43.7	11.7	n.a	19.7
Urban Development & Housing	4.8	52.4	n.a	49.8
Roads	4.0	n.a	n.a	n.a
Bhutan post	n.a	n.a	n.a	n.a
Telecommunication	n.a	n.a	n.a	n.a
Power	n.a	n.a	n.a	n.a
Trade & Industry	n.a	n.a	n.a	n.a
Total	273.1	148.8	n.a	139.0
Total plan outlay	273.1	148.8	n.a	139.0

Source : Dzongkhag Planning Sector, Bumthang Dzongkhag

TABLE 10.2: DZONGKHAG 9TH & 10TH FIVE YEAR PLAN EXPENDITURE,
BUMTHANG

(in million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	53.3	25.0	32.3	27.4
Agriculture	13.6	6.3	7.8	6.1
Livestock	16.4	5.5	11.1	3.0
Forestry	7.6	1.4	4.3	1.9
Education	175.0	38.0	134.7	34.8
Health	47.9	7.6	29.3	14.6
Urban Development & Housing	16.2	3.1	17.4	24.1
Roads	2.0	0.1	n.a	n.a
Bhutan post	n.a	n.a	n.a	n.a
Telecommunication	n.a	n.a	n.a	n.a
Power	n.a	n.a	n.a	n.a
Trade & Industry	n.a	n.a	n.a	n.a
Total	332.1	86.9	237.0	111.9
Total plan expenditure	332.1	86.9	237.0	111.9

Source : Dzongkhag Finance Sector, Bumthang Dzongkhag

TABLE 10.3: GEWOG 9TH & 10TH FIVE YEAR PLAN OUTLAYS, BUMTHANG

(In million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	1.9	5.7	n.a	15.4
Agriculture	n.a	16.7	n.a	42.0
Livestock	n.a	5.4	n.a	4.3
Forestry	n.a	4.7	n.a	5.3
Education	n.a	9.8	n.a	n.a
Health	n.a	3.9	n.a	8.3
Urban Development & Housing	n.a	3.8	n.a	9.8
Roads	n.a	n.a	n.a	n.a
Bhutan post	n.a	n.a	n.a	n.a
Telecommunication	n.a	n.a	n.a	n.a
Power	n.a	n.a	n.a	n.a
Trade & Industry	n.a	n.a	n.a	n.a
Total	1.9	50.0	n.a	85.0
Total plan outlay	1.9	50.0	n.a	85.0

Source : Dzongkhag Planning Sector, Bumthang Dzongkhag

TABLE 10.4: GEWOG 9TH & 10TH FYP EXPENDITURE, BUMTHANG

(In million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	6.2	5.0	4.9	7.8
Agriculture	3.0	15.5	0.2	16.0
Livestock	0.4	3.0	0.3	0.8
Forestry	0.6	2.0	0.0	1.8
Education	0.8	4.9	n.a	3.6
Health	0.8	2.6	n.a	4.4
Urban Development & Housing	n.a	0.1	n.a	1.8
Roads & bridges	0.5	0.1	0.0	3.9
Religion & Cultural	0.6	1.7	n.a	3.4
Telecommunication	n.a	n.a	n.a	n.a
Power	n.a	n.a	n.a	n.a
Trade & Industry	n.a	n.a	n.a	n.a
Total	12.9	34.9	5.4	43.3
Total plan outlay	12.9	34.9	5.4	43.3

TABLE 11.1 : GROSS AND NET ENROLMENT RATE BY LEVEL, BUMTHANG, 2005

Details	2005
Primary school level (Class PP-VI)	
Gross enrolment ratio	104.9
Net enrolment ratio	83.5
LSS level (Class VII-VIII)	
Gross enrolment ratio	76.8
Net enrolment ratio	25.8
MSS level (Class IX-X)	
Gross enrolment ratio	52.6
Net enrolment ratio	21.6
HSS level (Class XI-XII)	
Gross enrolment ratio	48.2
Net enrolment ratio	17.2

Source : Socio Economic and Demographic Indicators 2005

TABLE 11.2 : LITERACY RATE BY SEX, BUMTHANG, 2005

Literacy rate	2005
Male	75.0
Female	55.6
15-24 years	84.5
Male	85.6
Female	82.7

Source : Socio Economic and Demographic Indicators 2005.

TABLE 11.3 : DISTANCE TO THE NEAREST SCHOOL, BUMTHANG

Details	
Percent of household proximity to nearest school by foot	
< 1 hr	n.a
1 - 2 hrs	n.a
2 - 3 hrs	n.a
> 3 hrs	n.a

TABLE 12.1 : HEALTH COVERAGE, BUMTHANG, 2005

Details	2005
Population covered by health care (%)	n.a
Population access to safe drinking water (%)	92.7

Source : Socio Economic and Demographic Indicators 2005.

TABLE 12.2 : DISTANCE TO HEALTH CENTRES, WATER SOURCES AND
SANITATION, BUMTHANG, 2005

Details	2005
Walking distance to health facility (% of households)	
< 1 hr	n.a
1 - 2 hrs	n.a
2 - 3 hrs	n.a
> 3 hrs	n.a
Sources of drinking water & sanitation facility (% of households)	
Tap/pipe water	92.0
Stream water	7.2
Other sources	0.7
With toilet facility	94.9
Without toilet	5.1

Source : Population and Housing Census of Bhutan, 2005

TABLE 13.1 : DISTANCE TO NEAREST MARKET BY HOUSEHOLDS, BUMTHANG

Details	
Proximity to nearest market (% of households)	
<1 hr	n.a
1-2 hrs	n.a
2-4 hrs	n.a
>4 hrs	n.a

TABLE 13.2 : NUMBER OF HOUSEHOLDS ACCESS TO CREDIT FACILITIES,
BUMTHANG, 2010

Details	2010
Households by access to credit/loan facilities	
Bank *	1,007
BDFC/RICB **	535
Relatives/friends	n.a

Source : - * Bank of Bhutan / Bhutan National Bank, Bumthang.
- ** BDFC, Bumthang.

TABLE 14.1 : EMPLOYMENT BY INDUSTRIES, AGE-GROUP AND SEX,
BUMTHANG, 2009

Details	2009
Total labour force (Number)	14,127
Total employed (%)	97.8
Male	97.6
Female	98.1
Unemployment rate	2.2
Total employed in Agriculture (%)	32.7
Male	23.5
Female	50.8
Total employed in Industries (%)	31.5
Male	38.1
Female	18.5
Total employed in Services (%)	14.8
Male	16.7
Female	11.0
Total unemployed by area (%)	
Urban	3.3
Rural	1.8
Total un-employed by education (%)	
Total unemployed grade XII and above	n.a
Total unemployed below grade XII	n.a
Total under employed (%)	n.a
Employed by age-group (%)	
15-17 years	n.a
18-24 years	n.a
25-64 years	n.a
65 years and above	n.a
Unemployed by age-group (%)	
15-17 years	n.a
18-24 years	n.a
25-64 years	n.a
65 years and above	n.a
Labor force participation rate (%)	64.3
Male participation rate	65.9
Female participation rate	62.9

Source : Labour Force Survey, 2009

TABLE 15.1 : RENEWABLE NATURAL RESOURCES, BUMTHANG, 2009

Agriculture	2009
Wet land holding (Number)	
Holdings < 1 acre	n.a
Holdings 1-5 acres	n.a
Holdings >5 acres	n.a
Total wet land (Acres)	116.2
Dry land holding (Number)	
Holdings < 1 acre	n.a
Holdings 1-5 acres	n.a
Holdings >5 acres	n.a
Total dry land (Acres)	6,414
Orchard land holding (Number)	
Holdings < 1 acre	n.a
Holdings 1-5 acres	n.a
Holdings >5 acres	n.a
Total orchard (Acres)	66
Pasture land (Acres)	n.a

Source : Agriculture Census 2009

TABLE 16.1 : WALKING DISTANCE TO NEAREST ROAD BY HOUSEHOLDS,
BUMTHANG, 2007

Details	2007
Walking distance to road head (% of households)	
< 1 hr	95.7
1-2 hrs	1.3
2-5 hrs	1.8
> 5 hrs	1.1

Source : Bhutan Living Standard Survey, 2007

TABLE 17.1 : PERCENTAGE OF HOUSEHOLDS HAVING TELECOMMUNICATION,
BUMTHANG, 2007

Details	2007
Households with TV sets	27.3
Households owning computer	2.1
Households owning radios	76.4

Source : Bhutan Living Standard Survey, 2007

TABLE 18.1 : NUMBER OF CULTURAL INFRASTRUCTURE AND RELIGIOUS PERSONNEL, BUMTHANG, 2010

Details	2010
Number of Dzongs *	1
Number of Chortens **	300
Number of Lhakhangs **	111
Private	39
Community	53
Government	19
Number of Temples	
Private	n.a
Community	n.a
Government	n.a
Number of Chukhor/Dungkhor **	214
Number of religious personnel, centres and sites **	
Nuns	115
Gelongs	726
Gomchens	216
Pawo/jomo/terda/nyerjom	15
Shedra	2
Gomdeys/Drubda	n.a
Cremation grounds	19
Community tshechus	n.a
Hot springs	1
Menchu	36
Pilgrimage sites (Nyes)	12
Drupchu	46
Number of Cultural industries and units	
Movie making	n.a
Weaving centre	n.a
Dapa/phop	n.a
Wood and craft	n.a
Bhutanese paper manufacturing	n.a
Number of households manufacturing	
Dung	n.a
Jaling	n.a

TABLE 18.1 (contd.) : NUMBER OF CULTURAL INFRASTRUCTURE AND RELIGIOUS PERSONNEL, BUMTHANG, 2010

Details	2010
Bangchung	n.a
Tshazow	n.a
Number of centres performing arts **	
Singing/Dancing	2
Mask Dances	n.a

Source: - * GIS Infrastructure Mapping 2008, NSB, Thimphu.
 - ** Gewog Administration Office, Bumthang Dzongkhag.

TABLE 19.1 : FOREST COVERAGE & FUEL USAGE IN PERCENT, BUMTHANG, 2010

Details	2010
Forest coverage (%) ***	59.3
Households using fuel wood (%) **	56.6
Households using electricity (%) **	26.2
Number of Protected spring water sources *	30
Number of Lakes *	27

Source : - * Dzongkhag Forest Section, Jakar, Bumthang.
 - ** Socio Economic Indicators 2005, NSB, Thimphu.
 - *** Tenth Plan Documents, GNH, Thimphu.

TABLE 20.1: POVERTY, DEPENDENCY RATIO AND HOUSING CONDITION,
BUMTHANG, 2007

Details	2007
Population below total poverty line (%)	11
Households below total poverty line (%)	1
Population below food poverty line (%)	7
Households below food poverty line (%)	n.a
Households availing rural credit (%)	n.a
Average annual household expenditure (Nu.)	n.a
Landless households (%)	n.a
Dependency	
Child dependency ratio	n.a
Old age dependency ratio	n.a
Overall dependency ratio	n.a
Housing condition	
Household with straw/leaves roof (%)	1
Household with bamboo roof (%)	184
Household with metal roof (%)	1,476
Household with concrete/tiles roof (%)	15
Household with shingles roof (%)	1,047
Number of persons per room	n.a
Number of households living in own dwelling	n.a
Number of households living in rented house	n.a
Ownership of assets (Number)	
Households with land/plot	8,484
Households owning livestock	3,329
Households owning vehicle	5,206
Households owning refrigerator	6,556
Households owning washing machine	2,445
Households owning rice cooker	n.a

Source : Poverty Analysis Report 2007