



**ANNUAL DZONGKHAG STATISTICS  
2010**



**Dzongkhag Administration  
SARPANG**

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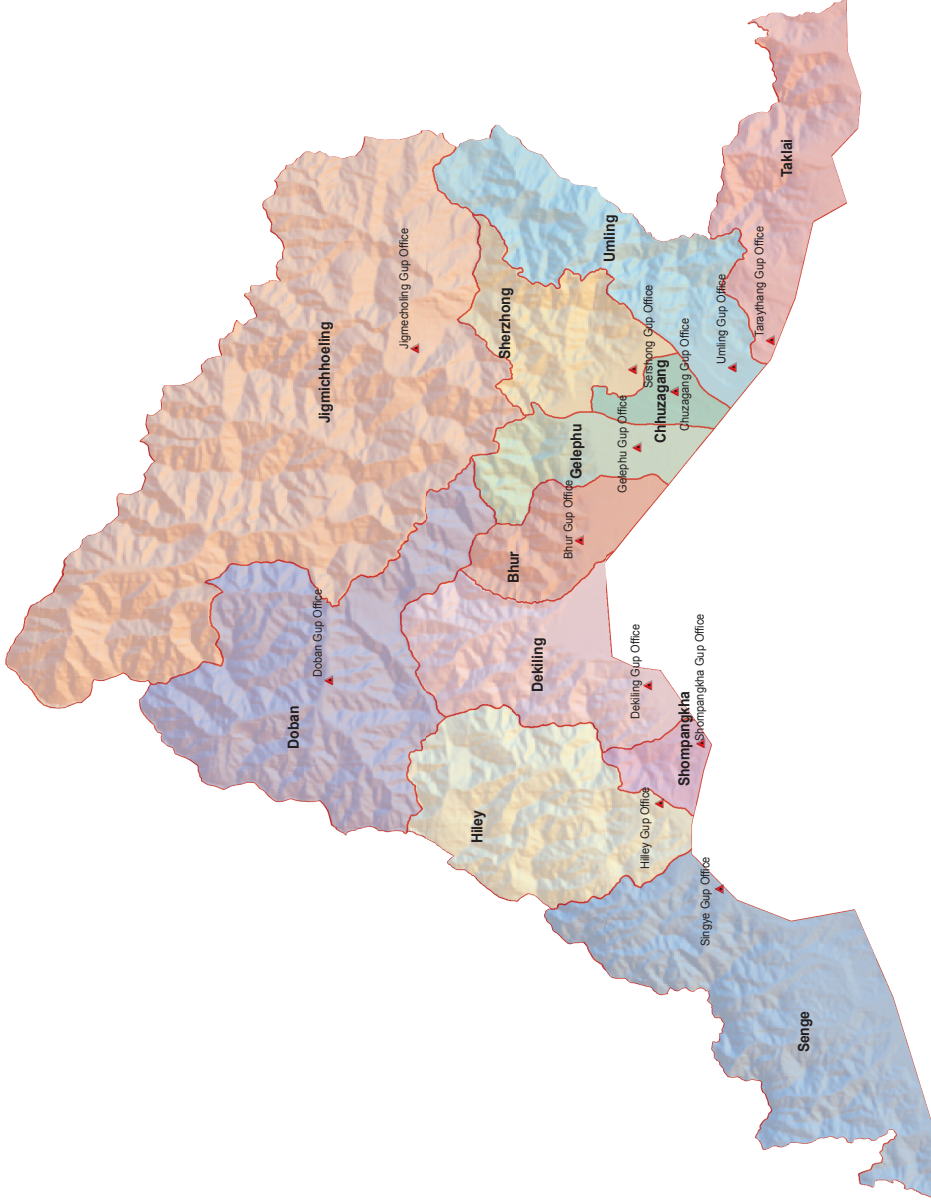
Publish by  
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First Issue  
Catalogue No. 104

# SARPANG DZONGKHAG



**GEWOG CENTRE**  
Scale : 1:250,000



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## Preface

The Annual Dzongkhag Statistics of Sarpang is the first in the series of publications. It attempts to provide comprehensive statistics of Sarpang 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, Sarpang 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

Sarpang Dzongkhag is situated in the central southern foothills bordering India. The area of the Dzongkhag stretches from Phipsoo wildlife sanctuary in the west to Manas national park in the east. The Dzongkhag shares about 200 km of common border with the Indian State of Assam. It encompasses a total geographical area of 1945.5 Sq.km. Its topographical features have undulating terrain with an elevation ranging from 200 meters to 3600 meters above the mean sea level.

Sarpang Dzongkhag has one Drungkhag namely Gelephu and comprises of 12 Gewogs viz; Hilley, Dekiling, Singye, Doban, Shompangkha, Gelephu, Chuzargang, Umling, Sershong, Taraythang, Jigmechoeling and Bhur. The Dzongkhag has 7,346 households and 37101 populations as per PHCB 2005.

About 12% of the total area is under agriculture. The proportion of Chuzhing and Kamzhing is almost equal. The main cereal crops are paddy, maize, wheat and millet. Cash crops such as orange, areca nut, cardamom, ginger, guava, lemon, banana and mango are also grown.

Sarpang town is one of the oldest in the country and has access to motorable roads since 1950s. Due to its close proximity to the Indian markets, Sarpang town has been the commercial hub for the central Dzongkhags.

Favorable terrain and climatic conditions combined with fertile agriculture land in the Dzongkhag provided a better opportunity for farm mechanization and horticultural development.

## Abbreviations

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



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ISBN-978-99936-28-08-8

TABLE 1.1: GENERAL INFORMATION, SARPANG 2005 TO 2010

Details	2005	2006	2007	2008	2009	2010
Dzongkhag area (Sq. Km)	2288	1945.5	1945.5	1945.5	1945.5	1945.5
Population (Number)	41,549	37,914	38,741	39,583	40,436	41,300
Population density (Persons per Sq. Km)	18	19	20	20	21	21
Population sex ratio	108	108	108	108	107	107
Administration (Number)						
Drungkhags	2	2	1	1	1	1
Gewogs	14	14	12	12	12	12
Chiwogs	105	105	90	90	90	90
Villages	186	186	172	172	172	172
Households	8211	8211	7346	7346	7346	7346
Towns	3	3	2	2	2	2

Source: Dzongkhag and Gewog Administration, Sarpang Dzongkhag

Note: Sex ratio from 2006 onwards is calculated from projected population

TABLE 1.2 : LOCAL GOVERNANCE, SARPANG, 2007 TO 2009

Details	2007	2008	2009
Local governance (Number)			
Total Gewog Tshogpas	90	90	90
Male	90	90	90
Female	0	0	0
Total Mangmis	12	12	12
Male	12	12	12
Female	0	0	0
Total Chupons			
Male	n.a	n.a	n.a
Female	n.a	n.a	n.a
DYT members			
Male	24	24	24
Female	0	0	0
GYT members	114	114	114
Male	114	114	114
Female	0	0	0
Polling stations	n.a	38	38
Eligible voters (18 years and above)			
Male	n.a	11086	12172
Female	n.a	10737	11668
Parliamentarians			
Male	n.a	3	3
Female	n.a	0	0
Total Dzongkhag Adm. Staff	208	215	220
Male	170	177	184
Female	38	38	36
Police stations	2	2	2

Source: Election Sector, Statistics Unit, Dzongkhag Admin, Sarpang Dzongkhag

Note: Civil Servant excluding the teachers

TABLE 2.1: POPULATION BY AGE AND SEX, SARPANG, 2005 TO 2010

Age-group by sex	2005	2006	2007	2008	2009	2010
<b>Total</b>	<b>41,549</b>	<b>37,916</b>	<b>38,740</b>	<b>39,581</b>	<b>40,436</b>	<b>41,300</b>
0-4	4,401	4,011	4,289	4,568	4,846	5,121
5-9	4,858	3,942	3,862	3,796	3,744	3,706
10-14	4,990	4,243	4,203	4,152	4,096	4,040
15-19	4,757	4,172	4,212	4,247	4,269	4,275
20-24	4,598	3,919	3,975	4,027	4,078	4,128
25-29	3,910	3,512	3,604	3,690	3,771	3,847
30-34	2,851	2,922	3,040	3,162	3,284	3,400
35-39	2,509	2,441	2,521	2,604	2,695	2,796
40-44	1,956	1,983	2,066	2,154	2,245	2,334
45-49	1,884	1,632	1,685	1,742	1,804	1,874
50-54	1,456	1,347	1,390	1,437	1,486	1,537
55-59	1,022	1,104	1,136	1,170	1,206	1,245
60-64	838	892	915	940	966	995
65+	1,519	1,796	1,142	1,892	1,946	2,000
<b>Male</b>	<b>21,664</b>	<b>19,732</b>	<b>20,139</b>	<b>20,554</b>	<b>20,974</b>	<b>21,398</b>
0-4	2,154	1,999	2,140	2,281	2,422	2,561
5-9	2,446	1,975	1,933	1,898	1,870	1,850
10-14	2,523	2,143	2,119	2,091	2,060	2,030
15-19	2,327	2,136	2,148	2,160	2,165	2,163
20-24	2,516	2,069	2,085	2,098	2,111	2,124
25-29	2,124	1,885	1,931	1,973	2,010	2,042
30-34	1,542	1,586	1,647	1,709	1,771	1,829
35-39	1,364	1,329	1,374	1,419	1,468	1,521
40-44	1,047	1,066	1,114	1,166	1,218	1,269
45-49	997	869	898	929	964	1,003
50-54	760	714	737	762	788	816
55-59	582	582	599	617	636	657
60-64	442	466	478	491	505	520
65+	840	913	936	960	987	1,013
<b>Female</b>	<b>19,885</b>	<b>18,184</b>	<b>18,601</b>	<b>19,027</b>	<b>19,462</b>	<b>19,902</b>
0-4	2,247	2,012	2,149	2,287	2,424	2,560
5-9	2,412	1,967	1,929	1,898	1,874	1,856
10-14	2,467	2,100	2,084	2,061	2,036	2,010
15-19	2,430	2,036	2,064	2,087	2,104	2,112
20-24	2,082	1,850	1,890	1,929	1,967	2,004
25-29	1,786	1,627	1,673	1,717	1,761	1,805
30-34	1,309	1,336	1,393	1,453	1,513	1,571

TABLE 2.1 (contd.): POPULATION BY AGE AND SEX, SARPANG,  
2005 TO 2010

Age-group by sex	2005	2006	2007	2008	2009	2010
35-39	1,145	1,112	1,147	1,185	1,227	1,275
40-44	909	917	952	988	1,026	1,065
45-49	887	763	787	813	841	871
50-54	696	633	653	675	698	721
55-59	440	522	537	553	570	589
60-64	396	426	437	449	462	476
65+	679	883	906	932	959	987

Source:PHCB 2005 and Dzongkhag Population Projection 2006-2015

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

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

Details	CPS	PS	ISS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
<b>2008</b>											
Number of schools and institutions	9	n.a	4	2	2	n.a	2	1	38	n.a	57
Teaching staff											
Bhutanese	52	n.a	91	56	39	n.a	9	9	44	n.a	192
Male	42	n.a	45	32	25	n.a	5	8	34	n.a	182
Female	10	n.a	46	24	14	n.a	4	1	10	n.a	10
Non-Bhutanese	0	n.a	6	2	21	n.a	6	0	0	n.a	35
Male	0	n.a	1	2	18	n.a	4	0	0	n.a	25
Female	0	n.a	5	0	3	n.a	2	0	0	n.a	10
Temporary teachers	26	n.a	9	7	4	n.a	0	0	0	n.a	46
Male	14	n.a	6	5	3	n.a	0	0	0	n.a	28
Female	12	n.a	3	2	1	n.a	0	0	0	n.a	18
Number of students	1,938	n.a	2,850	2,148	1,217	n.a	650	135	1,042	n.a	10,745
Male	1,013	n.a	1,828	1,092	664	n.a	385	79	345	n.a	5,327
Female	925	n.a	1,022	1,056	553	n.a	265	56	697	n.a	5,418
Student to teacher ratio	37.3	n.a	38.7	38.4	20.3	n.a	43.3	15	23.7	n.a	

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

Details	CPS	PS	ISS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
<b>2009</b>											
Number of schools and institutions	11	n.a	4	2	2	n.a	2	1	37	n.a	59
Teaching staff											
Bhutanese	61	n.a	111	74	46	n.a	n.a	11	41	n.a	344
Male	49	n.a	56	46	31	n.a	n.a	10	14	n.a	206
Female	12	n.a	55	28	15	n.a	n.a	1	27	n.a	138
Non-Bhutanese	0	n.a	6	3	21	n.a	n.a	0	0	n.a	30
Male	0	n.a	1	3	18	n.a	n.a	0	0	n.a	22
Female	0	n.a	5	0	3	n.a	n.a	0	0	n.a	8
Temporary teachers	2	n.a	2	0	0	n.a	n.a	0	0	n.a	4
Male	1	n.a	1	0	0	n.a	n.a	0	0	n.a	2
Female	1	n.a	1	0	0	n.a	n.a	0	0	n.a	2
Number of students	2,312	n.a	4,034	2,459	1,056	n.a	n.a	133	942	n.a	10,936
Male	1,187	n.a	1,957	1,243	563	n.a	n.a	79	290	n.a	5,319
Female	1,125	n.a	2,077	1,216	493	n.a	n.a	54	652	n.a	5,617
Student to teacher ratio	38	n.a	35	32	16	n.a	n.a	12	23	n.a	
<b>2010</b>											
Number of schools and institutions	13	n.a	4	2	2	na	2	1	42	n.a	66
Teaching staff											
Bhutanese	86	n.a	125	81	48	n.a	17	1	42	n.a	400

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

Details	CPS	PS	ISS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
Male	68	n.a	77	51	30	n.a	15	8	14	n.a	263
Female	18	n.a	48	30	18	n.a	2	8	28	n.a	152
Non-Bhutanese	0	n.a	6	4	21	n.a	9	0	0	n.a	40
Male	0	n.a	5	4	18	n.a	8	0	0	n.a	35
Female	0	n.a	1	0	3	n.a	1	0	0	n.a	5
Temporary teachers	3	n.a	5		0	n.a	0	0	0	n.a	8
Male	2	n.a	2	0	0	n.a	0	0	0	n.a	4
Female	1	n.a	3	0	0	n.a	0		0	n.a	4
Number of students	2,522	n.a	4,203	2,451	1,181	n.a	605	90	942	n.a	11,994
Male	1,287	n.a	2,068	1,227	627	n.a	315	56	290	n.a	5,870
Female	1,235	n.a	2,135	1,224	554	n.a	290	34	652	n.a	6,124
Student to teacher ratio	29	n.a	32	29	17	n.a	23	11	22	n.a	

Source: Education Sector, Sarpang Dzongkhag & Annual Education Statistics.

Note: For 2009, two private school data is not available.



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

<b>Class</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
Primary level			
<b>Total</b>	<b>6,579</b>	<b>7,065</b>	<b>7,282</b>
Class PP	1,137	1,307	1,138
Class I	936	1,099	1,154
Class II	954	919	1,132
Class III	881	987	938
Class IV	1,011	925	1,150
Class V	875	959	869
Class VI	785	869	901
<b>Male</b>	<b>3,300</b>	<b>3,513</b>	<b>3,599</b>
Class PP	571	631	574
Class I	455	550	569
Class II	495	458	565
Class III	459	509	465
Class IV	512	490	550
Class V	422	465	444
Class VI	386	410	432
<b>Female</b>	<b>3,279</b>	<b>3,552</b>	<b>3,583</b>
Class PP	566	676	564
Class I	481	549	585
Class II	459	461	567
Class III	422	478	473
Class IV	499	435	500
Class V	453	494	425
Class VI	399	459	469
Secondary level			
<b>Total</b>	<b>2,660</b>	<b>3,475</b>	<b>3,798</b>
Class VII	931	750	901
Class VIII	709	747	679
Class IX	629	680	750
Class X	263	488	576
Class XI	61	445	395
Class XII	67	365	497
<b>Male</b>	<b>1,412</b>	<b>1,766</b>	<b>1,935</b>
Class VII	447	356	432
Class VIII	384	356	337

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

Class	2008	2009	2010
Class IX	369	360	361
Class X	135	267	308
Class XI	42	218	233
Class XII	35	209	264
<b>Female</b>	<b>1,248</b>	<b>1,709</b>	<b>1,863</b>
Class VII	484	394	469
Class VIII	325	391	342
Class IX	260	320	389
Class X	128	221	268
Class XI	19	227	162
Class XII	32	156	233

Source: Education Sector, Sarpang Dzongkhag & Annual Education Statistics.

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

Details	2008	2009	2010
Students in primary school level (Class PP-VI)			
Total			
Age < 6 years	109	292	1465
Age 6-12 years	4842	5301	4411
Age 13 & above	1706	1704	1332
Male			
Age < 6 years	76	156	711
Age 6-12 years	2378	2580	2197
Age 13 & above	903	853	692
Female			
Age < 6 years	33	136	754
Age 6-12 years	2464	2721	2214
Age 13 & above	803	851	640
Student in LSS level (Class VII-VIII)			
Total			
Age < 13 years	57	77	260
Age 13-14 years	344	419	413
Age 15 & above	902	1004	850
Male			
Age < 13 years	28	27	114
Age 13-14 years	165	183	195
Age 15 & above	477	507	419
Female			
Age < 13 years	29	50	146
Age 13-14 years	179	236	218
Age 15 & above	425	497	431
Students in HSS level (Class XI-XII)	2008	2009	2010
Total			
Age < 17 years	157	104	117
Age 17-18 years	311	365	405
Age 19 & above	247	735	798
Male			
Age < 17 years	73	52	58
Age 17-18 years	188	168	193
Age 19 & above	163	442	480

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

Details	2008	2009	2010
Female			
Age < 17 years	84	52	59
Age 17-18 years	123	197	212
Age 19 & above	84	293	318

Source: Education Sector, Sarpang Dzongkhag & Annual Education Statistics.

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

Details	2008	2009	2010
Number of schools with toilet facilities			
Flush toilet	9	11	12
Pit latrine	9	9	10
Other type	3	3	3
No toilet	n.a	n.a	n.a
Number of schools with water facilities			
Tap/pipe water	15	16	23
Pond/spring	3	3	3
Stream	n.a	n.a	n.a
Other	n.a	n.a	n.a

Source: Education Sector, Sarpang Dzongkhag

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

Details	2007	2008	2009
Number of hospitals	2	2	2
Number of BHUs	8	10	10
BHU grade I	0	0	0
BHU grade II	8	10	10
Number of ORCs	12	11	11
Number of indigenous units	0	0	0
Number of doctors	10	11	11
Number of hospital/BHU beds	70	70	90
Persons per doctor	3,874	3,598	3,676
Persons per hospital bed	553	565	449
Total morbidity attendance	100,112	101,638	119,783
Health Assistants	11	12	18
Basic health workers	12	12	10
Sister and nurses	30	31	30
Technicians	30	31	30
Indigenous dungtsho	1	1	1
Indigenous compounders/Menpas	n.a	n.a	n.a
Malaria workers	10	10	10
Village health workers	62	58	55
Births attended by skilled personnel	489	632	698
Number of births in medical facility	455	612	680
Number of children immunized			
Polio	968	975	739
DPTH	965	973	739
Measles	844	927	736
Others	1035	1101	865
Family planning acceptors by type			
Condom distributed	75,494	50,902	65,020
Pills *	750	1,756	1,225
Injection DMPA			
IUD	406	277	172
Vasectomy	815	572	532
Tubectomy	291	239	252
Others			

Source: Yearly Morbidity Report, Health Sector, Sarpang Dzongkhag

Note: \* Data for injection is added to pills

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

Priority health problem/ Disease	2007	2008	2009
Cholera	0	0	0
Typhoid	59	102	82
Diarrhoea	3630	3073	4107
Dysentery	1453	1547	1723
Tuberculosis	77	107	186
Tetanus	0	0	0
Diphtheria	0	0	0
Pertussis	0	0	0
Early Syphilis	1	11	5
Sexually transmitted disease, excluding HIV/AIDS	59	81	87
Diabetes	352	526	867
Conjunctivitis	3143	3157	1502

Source: Health Sector, Sarpang Dzongkhag

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

Details	2007	2008	2009
Trade and Industries (Number)			
Micro & retail trade licences issued	1180	1424	1473
Micro & retail trade licences in operation	1099	1333	n.a
Wholesale trade licences issued	n.a	n.a	n.a
Wholesale trade licences in operation	n.a	n.a	n.a
Services licences issued	n.a	n.a	n.a
Services licences in operation	n.a	n.a	n.a
Manufacturing licenses issued	23	34	n.a
Manufacturing licenses in operation	20	31	n.a
Public Transport operators (Numbers)			
Bus	3	3	3
Taxi	44	46	60
Others	na	na	na
Industries by type (Number)			
Agro based	2	4	47
Forestry based	1	0	33
Mineral based	72	136	6
Others	n.a	n.a	12
Industries by scale (Number)			
Large	0	0	n.a
Medium	2	7	n.a
Small	73	133	n.a
Cottage	n.a	n.a	n.a
Contract firms (Number)			
A	0	0	n.a
B	2	2	n.a
C	8	19	n.a
D (Petty)	n.a	422	n.a

Source: Regional Trade Office, Gelephu & Statistical Year Book, NSB

TABLE 6.1: RENEWABLE NATURAL RESOURCES, SARPANG, 2005 TO 2008

<b>Agriculture</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
Irrigation for agriculture				
Number of irrigation channels	n.a	n.a	n.a	285
Functional	n.a	n.a	n.a	259
Non Functional	n.a	n.a	n.a	26
Total length of channels (Km)	n.a	n.a	n.a	429.80
Area covered by irrigation (Acres)	n.a	n.a	n.a	7121.5
Number of households benefitted	n.a	n.a	n.a	3015
Number of food processing units	n.a	n.a	n.a	n.a
Number of agriculture mills	n.a	n.a	n.a	60
Number of livestock product processing units*	n.a	n.a	n.a	2
Number of farmer association/groups	n.a	n.a	n.a	44
Agriculture	n.a	n.a	n.a	17
Livestock	n.a	n.a	n.a	14
Forestry	n.a	n.a	n.a	13
Number of power tillers	n.a	n.a	n.a	54

Source : Agriculture, Livestock and Forestry Sector, Sarpang Dzongkhag

Note: \* Only Structure



TABLE 6.2: AGRICULTURAL PRODUCTION, SARPANG, 2007 TO 2009

Details	2007	2008	2009
<b>Paddy</b>			
Area (Acres)	8305	1776	5108
Production (Kg)	6238000	7197000	4157000
Price per Kg(Nu.)	n.a	n.a	40
<b>Maize</b>			
Area (Acres)	7886	2681	5527
Production (Kg)	4991000	7057000	3403000
Price per Kg(Nu.)	n.a	n.a	15
<b>Wheat</b>			
Area (Acres)	483	19	22
Production (Kg)	184000	36000	4000
Price per Kg(Nu.)	n.a	n.a	20
<b>Barley</b>			
Area (Acres)	n.a	5	7
Production (Kg)	n.a	9540	5000
Price per Kg(Nu.)	n.a	n.a	n.a
<b>Buckwheat</b>			
Area (Acres)	1004	132	310
Production (Kg)	268000	217000	82000
Price per Kg(Nu.)			15
<b>Millet</b>			
Area (Acres)	3415	572	1666
Production (Kg)	1680000	862540	803000
Price per Kg(Nu.)	n.a	n.a	14
<b>Fruits</b>			
<b>Apples</b>			
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
<b>Oranges/ Mandarin</b>			
Number of fruit bearing trees	352005	1531910	193100
Production (Kg)	12746000	6161900	8430000
Production (Nu.)	n.a	n.a	n.a
<b>Banana</b>			
Number of fruit bearing trees	50313	27260	38761
Production (Kg)	780000	467900	588000
Production (Nu.)	n.a	n.a	n.a

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

Details	2007	2008	2009
Pear			
Number of fruit bearing trees	2552	8800	933
Production (Kg)	51000	244300	95000
Production (Nu.)	n.a	n.a	n.a
Plum			
Number of fruit bearing trees	2032	2200	276
Production (Kg)	140000	112000	6000
Production (Nu.)	n.a	n.a	n.a
Areca Nut			
Production (Pon)	1489	1288	1708
Production (Nu.)	n.a	n.a	n.a
Vegetables and Spices			
Potato			
Production (kg)	233000	823550	101000
Production (Nu.)	n.a	n.a	20
Chili			
Production (kg)	187000	188350	35000
Production (Nu.)	n.a	n.a	65
Onion			
Production (kg)	n.a	56790	10000
Production (Nu.)	n.a	n.a	30
Cabbage			
Production (kg)	75000	34730	19000
Production (Nu.)	n.a	n.a	20
Cauliflower			
Production (kg)	51000	17800	11000
Production (Nu.)	n.a	n.a	40
Asparagus			
Production (Bundles)	n.a	2320	150
Production (Nu.)	n.a	n.a	n.a
Tomato			
Production (Kg)	180000	71260	34000
Production (Nu.)	n.a	n.a	30
Carrot			
Production (Kg)	1000	9300	4000
Production (Nu.)	n.a	n.a	n.a

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

Details	2007	2008	2009
Egg Plant (Brinjal)			
Production (Kg)	98000	na	14000
Production (Nu.)	n.a	n.a	15
Raddish			
Production (Kg)	247000	300620	154000
Production (Nu.)	n.a	n.a	20
Ginger			
Production (Kg)	707000	347680	513180
Production (Nu.)	n.a	n.a	40
Cardamom			
Production (Kg)	n.a	342600	2150
Production (Nu.)	n.a	n.a	n.a
Garlic			
Production (Kg)	31000	304300	9000
Production (Nu.)	n.a	n.a	n.a
Oil seeds and legumes			
Lentils			
Production (Kg)	n.a	n.a	4000
Production (Nu.)	n.a	n.a	n.a
Mustards			
Production (Kg)	386000	290940	115000
Production (Nu.)	n.a	n.a	n.a
Beans			
Production (Kg)	107000	173220	53000
Production (Nu.)	n.a	n.a	30

Source : Agriculture Statistics & Agriculture Sector, Sarpang Dzongkhag

TABLE 6.3: LIVESTOCK POPULATION, SARPANG, 2007 TO 2009

Details	2007	2008	2009
Livestock (Number)			
Cattle			
Local breed	15,908	16,005	15,756
male	6,283	6,272	6,859
Female	9,625	9,733	8,897
Improved breed	3,587	3,115	4,203
male	1,604	822	1,503
Female	1,983	2,293	2,700
Mithun	1,087	1,444	1,432
Bufallo	237	204	149
Male	63	76	37
Female	174	128	112
Horse	308	286	385
Local breed	304	130	370
Improved breed	4	156	15
Yak			
Male	N.A	N.A	N.A
Female	N.A	N.A	N.A
Sheep	600	714	704
Local breed	600	714	704
Improved breed	0	0	0
Pig	1,679	1,177	967
Local breed	805	934	771
Improved breed	874	243	196
Poultry	27,041	22,969	31,307
Local breed	16,805	13,441	16,925
Improved breed	10,236	9,528	14,382
Goat	3,046	3,269	4,469
Dog	1,214	1,346	2,122
Cat	1,473	1,575	1,367

Source : Annual Livestock data 2007, 2008 and 2009, Livestock Sector, Sarpang Dzongkhag

TABLE 6.4: LIVESTOCK PRODUCTS, SARPANG, 2007 TO 2009

Details	2007	2008	2009
Livestock products			
Fresh Milk (Liters)	891,015	995,491	1,796,109
Butter (Kg)	35,542	36,240	75,103
Fresh Cheese (Kg)	17,678	178,076	101,391
Processed cheese (kg)	0	0	0
Eggs (Dozen)	8,733	13,085	171,716
Fish (Kg)	5,551	7,218	3,543
Beef (Kg)	39,006	154,647	1,450
Pork (Kg)	62,101	31,577	12,301
Yak Meat (Kg)	N.A	N.A	N.A
Mutton (Kg)	20,055	18,861	2,169
Honey (Gm)	0	0	0
Chicken (Kg)	37,174	29,554	5,896

Source : Annual Livestock data 2007, 2008 and 2009, Livestock Sector, Sarpang Dzongkhag

Table 6.5: FORESTRY PRODUCTS, SARPANG, 2007 TO 2009

Details	2007	2008	2009
Wood Forest Product			
Log Form (Cft)	n.a	n.a	4300
Fire wood (Cubic metres)	n.a	n.a	n.a
Flag Poles (Number)	n.a	n.a	1507
Shinglap (Number of trees)	n.a	n.a	n.a
Cham (Number of trees)	n.a	n.a	90
Tsim (Number of trees)	n.a	n.a	240
Non-Wood Forest Product			
Mushroom (Kg)	n.a	n.a	n.a
Mushroom (Nu.)	n.a	n.a	n.a
Medicinal and Aromatic plants (Kg)	n.a	n.a	n.a
Cordyceps (Kg)	n.a	n.a	n.a
Cordyceps (Nu.)	n.a	n.a	n.a
Sand (Truck Load)	n.a	n.a	n.a
Stones (Truck Load)	n.a	n.a	n.a
Bamboo (Number)	n.a	n.a	n.a
Cane (Bundles)	n.a	n.a	n.a
Lemon grass (Kg)	n.a	n.a	n.a

Source : Forestry Sector, Sarpang Dzongkhag

TABLE 7.1: INFRASTRUCTURE, SARPANG, 2007 TO 2009

Details	2007	2008	2009
Roads (Length in Km)			
Farm roads	54.75	78.4	79.9
Feeder roads*	38.5	38.5	38.5
Forest roads*	93.3	93.3	93.3
Highways/Dzongkhag roads*	123.4	123.4	123.4
Bridges (Number)			
Suspension bridges	18	21	24
Suspended	2	2	2
Bailey bridges	3	3	3
Traditional bridges	0	0	0
Auto workshop centres	6	7	7
Bus stations	1	1	1
Post offices	2	2	2
Banks	3	3	3

Source: Agriculture Sector, Sarpang Dzongkhag \* Statistical Year Book, NSB

TABLE 8.1: TELECOMMUNICATION, SARPANG, 2007 TO 2009

Details	2007	2008	2009
Telecommunications (Number)			
Households with fixed telephone connections	n.a	1141	1121
Community information centres	n.a	2	2
Gewogs accessible to mobile services	n.a	10	12
Households with internet access	n.a	n.a	n.a

Source: Bhutan Telecom Office, Sarpang

TABLE 9.1: ENVIRONMENT, SARPANG, 2007 TO 2009

Details	2007	2008	2009
Total cultivated land (Acres)	n.a	n.a	14619
Temperature (Degree Celcius)			
Avg. Max (Annual)	n.a	n.a	27.4
Avg. Min (Annual)	n.a	n.a	20.02
Rainfall (Millimeter)			
Avg. Annual rainfall	n.a	n.a	1191.2
Number of snowfall occurred at Dzongkhag head quarter	n.a	n.a	Na
Damages caused by landslides			
Farmland (acres)	n.a	n.a	85.6
Houses (Number)	n.a	n.a	0
Roads (Km)	n.a	n.a	0
Damages caused by floods			
Farmland (acres)	n.a	n.a	15.85
Houses (Number)	n.a	n.a	0
Roads (Km)	n.a	n.a	0
Crops affected by drought (acres)	n.a	n.a	na
Crops damaged by wild animals (acres)	n.a	n.a	169.44
Incidence of earthquake (Number of cases reported)	n.a	n.a	2
Houses damaged by earthquakes (Number)	n.a	n.a	5
Number of forest fires	n.a	n.a	3
Acreage destroyed by forest fires	n.a	n.a	11
Acreage of reforestation	n.a	n.a	0
Houses/structures damaged by fires (Number)	n.a	n.a	0
Mining sites (Number)	n.a	n.a	1
Quarry sites (Number)	n.a	n.a	0
Municipal waste disposal sites (Number)	n.a	n.a	1
Environmental clearance issued	n.a	n.a	20

Source: Agriculture & Environment Sector, Sarpang Dzongkhag

TABLE 10.1: DZONGKHAG FIVE YEAR PLAN OUTLAYS, SARPANG

( in million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	94.051	16.45	n.a	34.00
Agriculture	22.043	20.403	n.a	134.682
Livestock	20.047	11.574	n.a	17.109
Forestry	3.694	4.07	n.a	19.960
Education	158.164	154.358	n.a	
Health	97.434	54.51	n.a	81.914
Urban Development & Housing	21.802	150.125	n.a	199.71
Roads	8.737	0.000	n.a	n.a
Bhutan post	0.000	0.000	n.a	n.a
Telecommunication	0.000	0.000	n.a	n.a
Power	61.006	0.000	n.a	n.a
Trade & Industry	0.000	2.400	n.a	n.a
Total	486.978	413.890	n.a	487.375
Total plan outlay	486.978	413.890	n.a	487.375

Source: Planing Sector, Sarpang Dzongkhag &amp; Five Year Plan Document

TABLE 10.2: DZONGKHAG FIVE YEAR PLAN EXPENDITURE , SARPANG

( in million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	n.a	n.a	n.a	n.a
Agriculture	n.a	n.a	n.a	n.a
Livestock	n.a	n.a	n.a	n.a
Forestry	n.a	n.a	n.a	n.a
Education	n.a	n.a	n.a	n.a
Health	n.a	n.a	n.a	n.a
Urban Development & Housing	n.a	n.a	n.a	n.a
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	n.a	n.a	n.a	n.a
Total plan expenditure	n.a	n.a	n.a	n.a

Source: Planing Sector, Sarpang Dzongkhag &amp; Five Year Plan Document



TABLE 10.3: GEWOG 9TH AND 10TH FIVE YEAR PLAN OUTLAYS, SARPANG

( In million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Agriculture	0.000	21.719	n.a	95.882
Livestock	0.000	0.667	n.a	4.559
Forest	0.000	0.471	n.a	14.46
Education	0.000	8.394	n.a	na
Health	0.000	2.184	n.a	20.914
Roads	0.000	2.637	n.a	16.38
Gewog Administration	14.501	0.000	n.a	18.450
Total	14.501	36.072	n.a	170.645

Source: Planing Sector, Sarpang Dzongkhag & Five Year Plan Document

TABLE 10.4: GEWOG 9TH AND 10TH FIVE YEAR PLAN EXPENDITURE, SARPANG

( In million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Agriculture	0.000	14.527	n.a	n.a
Livestock	0.000	0.737	n.a	n.a
Forest	0.000	0.364	n.a	n.a
Education	0.000	6.641	n.a	n.a
Health	0.000	1.295	n.a	n.a
Roads	0.000	1.493	n.a	n.a
Gewog Administration	11.436		n.a	n.a
Total	11.436	25.057	n.a	n.a

Source: Planing Sector, Sarpang Dzongkhag & Five Year Plan Document

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

Details	2005
Primary school level (Class PP-VI)	
Gross enrolment ratio	89.6
Net enrolment ratio	69.5
LSS level (Class VII-VIII)	
Gross enrolment ratio	60.5
Net enrolment ratio	16.9
MSS level (Class IX-X)	
Gross enrolment ratio	49.6
Net enrolment ratio	15.6
HSS level (Class XI-XII)	
Gross enrolment ratio	9.4
Net enrolment ratio	8.4

Source: Socio-economic and Demographic Indicators, 2005

Note: Figure are in rate

TABLE 11.2: LITERACY RATE BY SEX, SARPANG, 2005

Literacy rate	2005
Male	69.2
Female	47.5
15-24 years	
Male	74.3
Female	60.0

Source: Socio-economic and Demographic Indicators, 2005

TABLE 11.3: DISTANCE TO THE NEAREST SCHOOL, SARPANG

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, SARPANG, 2005

Details	2005
Population covered by health care (%)*	76
Population access to safe drinking water (%)	85.9

Source: Socio-economic and Demographic indicator 2005, Health Sector, Samtse Dzongkhag

Note : \*Population covered by health care data is collected from Dzongkhag Health Sector, 2007

TABLE 12.2: DISTANCE TO HEALTH CENTERS, WATER SOURCES AND  
SANITATION, SARPANG, 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
	n.a
Sources of drinking water & sanitation facility (% of households)	
Tap/pipe water	86.3
Stream water*	12.5
Other sources	1.2
With toilet facility	93.4
Without toilet	6.6

Source:PHCB 2005

Note: \* Stream water includes spring, river and pond

TABLE 13.1: DISTANCE TO NEAREST MARKET BY HOUSEHOLDS,  
SARPANG

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: PERCENTAGE OF HOUSEHOLDS ACCESS TO CREDIT FACILITIES,  
SARPANG

Details	
Households by access to credit/loan facilities(%)	
Bank	n.a
BDFC/RICB	n.a
Relatives/friends	n.a

TABLE 14.1: EMPLOYMENT BY INDUSTRIES, AGE-GROUP AND SEX,  
SARPANG, 2005

Details	2005
Total labour force (Number)	15,307
Total employed (%)	100
Male	68.49
Female	31.51
Unemployment rate	3.3
Total employed in Agriculture (%)	37.95
Male	20.34
Female	17.61
Total employed in Industries (%)*	12.77
Male	10.91
Female	1.86
Total employed in Services (%)**	23.83
Male	19.93
Female	3.89
Total unemployed by area (%)	3.45
Urban	1.01
Rural	2.44
Total un-employed by education (%)	n.a
Total unemployed grade XII and above	n.a
Total unemployed below grade XII	n.a
Total under employed (%)	n.a
Employed by age-group (%)	n.a
15-17 years	n.a
18-24 years	n.a
25-64 years	n.a
65 years and above	2.49
Unemployed by age-group (%)	n.a
15-17 years	n.a
18-24 years	n.a
25-64 years	n.a
65 years and above	n.a

TABLE 14.1 (contd.): EMPLOYMENT BY INDUSTRIES, AGE-GROUP AND SEX,  
SARPANG, 2005

Details	2005
Labor force participation rate (%)	59.3
Male participation rate	75.4
Female participation rate	40.7

Source: PHCB, 2005 and Socio-Economic and Demographic Indicator, 2005

Note:\* Industries(Mining,Manufacturing,Electricity and Construction)

\*\* Services (Retail/wholesale trade, hotel,transport/communication, finance, public administration/security, education and health services.

TABLE 15.1: RENEWABLE NATURAL RESOURCES, SARPANG, 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)	7041.0
Dry land holding (Number)	
Holdings < 1 acre	n.a
Holdings 1-5 acres	n.a
Holdings >5 acres	n.a
Total dry land (Acres)	16879.0
Orchard land holding (Number)	
Holdings < 1 acre	n.a
Holdings 1-5 acres	n.a
Holdings >5 acres	n.a
Total orchard (Acres)	4842.0
Pasture land (Acres)	n.a

Source:Agriculture Census 2009, MoAF

TABLE 16.1: WALKING DISTANCE TO NEAREST ROAD BY HOUSEHOLDS,  
SARPANG, 2005

Details	2005
Walking distance to road head (% of households)	
< 1 hr	85.0
1-2 hrs	4.0
2-5 hrs	3.3
> 5 hrs	7.7

Source:Socio-economic and Demographic Indicator, 2005

TABLE 17.1: NUMBER OF HOUSEHOLD HAVING TELECOMMUNICATION,  
SARPANG, 2005

Details	2005
Households with TV sets	2094
Households owning computer	73
Households owning radios	4478

Source:Socio-Economic and Demographic Indicators, 2005.

TABLE 18.1: NUMBER OF CULTURAL INFRASTRUCTURE AND RELIGIOUS PERSONNEL, SARPANG

Details	
Number of Dzongs	1
Number of Chortens	11
Number of Lakhangs	
Private	2
Community	11
Government	3
Number of Temples	
Private	0
Community	8
Government	0
Number of Chukhor/Dungkhor	3
Number of religious personnel, centres and sites	
Nuns	30
Gelongs	150
Gomchens	n.a
Pawo/jomo/terda/nyerjom	n.a
Shedra	n.a
Gomdeys/Drubda	n.a
Cremation grounds	7
Community tshechus	4
Hot springs	1
Menchu	n.a
Pilgrimage sites (Nyes)	n.a
Drupchu	n.a
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	n.a
Dung	n.a
Jaling	n.a
Drum (nga)	n.a
Bangchung	n.a
Tshazow	n.a



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

Details	
Number of centres performing arts	n.a
Singing/Dancing	n.a
Mask Dances	n.a

Source:GIS Infrastructure Mapping 2008

TABLE 19.1 (contd.): FOREST COVERAGE & FUEL USAGE IN PERCENT, SARPANG, 2005

Details	2005
Forest coverage (%)*	83.0
Households using fuel wood (%)**	50.8
Households using electricity (%)**	39.5
Number of Protected spring water sources	n.a
Number of Lakes	n.a

Source: Socio-Economic and Demographic Indicators, 2005 and 10th FYP Document

Note: \*\* Data is for cooking purpose

\* Forest coverage data is from 10th FYP Document

TABLE 20.1: POVERTY, DEPENDENCY RATIO AND HOUSING CONDITION,  
SARPANG, 2005

Details	2005
Population below total poverty line (%)*	19.4
Households below total poverty line (%)*	3.3
Population below food poverty line (%)*	11.8
Households below food poverty line (%)*	1.7
Households availing rural credit (%)	n.a
Average annual household expenditure (Nu.)**	11339.0
Landless households (%)	n.a
Dependency	
Child dependency ratio	34.3
Old age dependency ratio	5.9
Overall dependency ratio	61.2
Housing condition	
Household with straw/leaves roof (%)	12.4
Household with bamboo roof (%)	1.2
Household with metal roof (%)	72.4
Household with concrete/tiles roof (%)	5.1
Household with shingles roof (%)	5.1
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	6003.0
Households owning livestock	4104.0
Households owning vehicle	613.0
Households owning refrigerator	1482.0
Households owning washing machine	120.0
Households owning rice cooker	n.a

Source: \* BLSS 2007, \*\*PAR 2007 and PHCB, 2005.