



**ANNUAL DZONGKHAG STATISTICS
2010**



**Dzongkhag Administration
WANGDUE**

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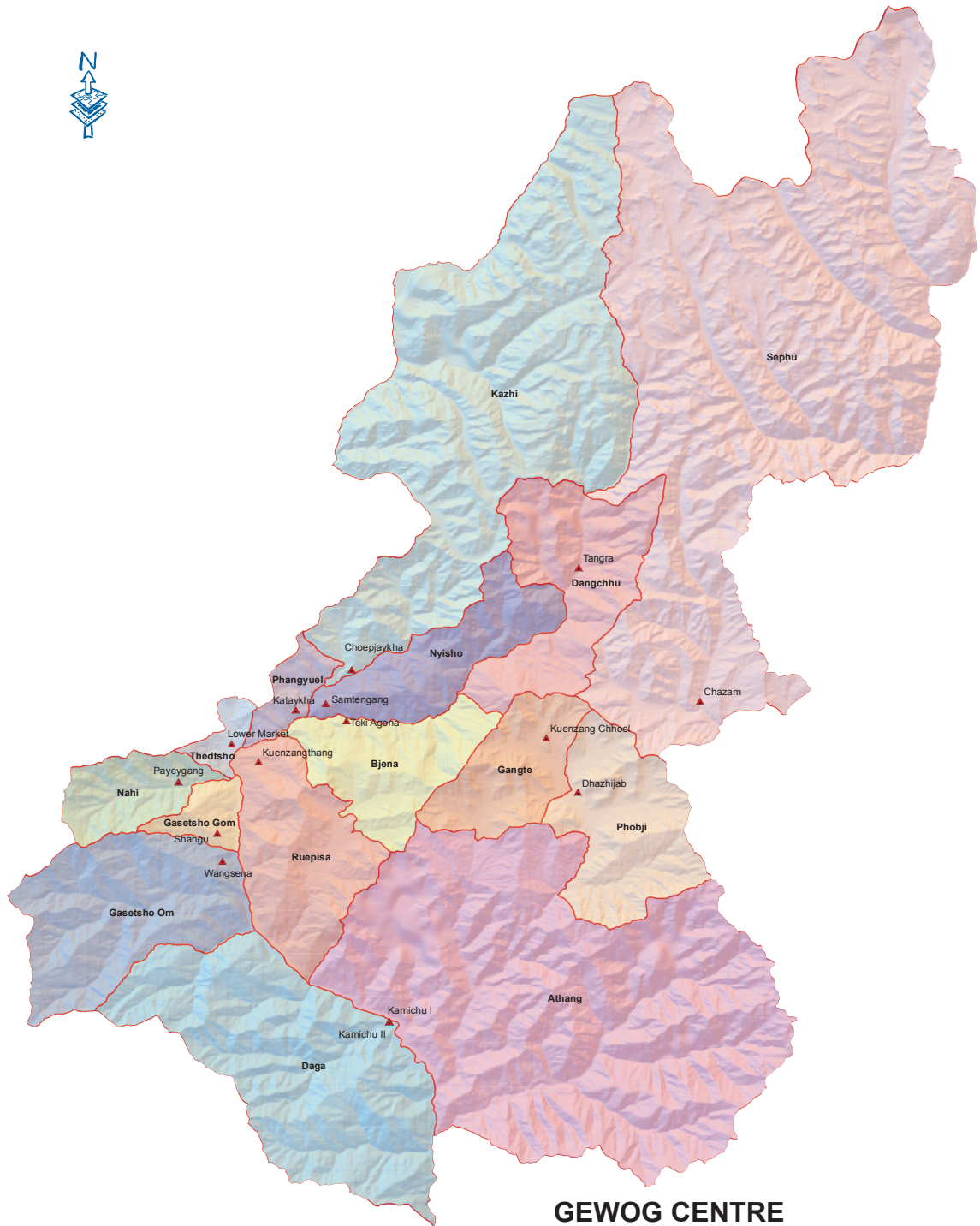
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WANGDUE PHODRANG DZONGKHAG



GEWOG CENTRE
Scale :1:300,000

11,000 5,500 0 11,000 Meters



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Preface

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

Wangdue Dzong was founded by Zhabdrung Ngawang Namgyal in 1638. It is located on a high ridge between the Puna Tsang Chu and the Dangchu, It is located in the western Bhutan and is bordered by Punakha in the north, Thimphu in the west, Trongsa in the east and Tsirang in the south. It has an area of about 4308 Sq. km with an elevation ranging from 800 meters to 5800 meters above the sea level.

Wangdue Dzongkhag has fifteen Gewogs viz; Athang, Bjena, Daga, Dangchu, Gangtey, Gasetshog Gom, Gasetshog Wom, Kazhi, Nahi, Nyisho, Phangyul, Phobjikha, Rubeisa, Sephu & Thedtsho.

The projected population of Wangdue is 34,320 in 2010 with 17605 males and 16714 females. About 65 percent of its total land area is under forest cover, which consists of both broadleaf and conifers. Phobjikha Gewog is famous for the winter roosting place for the black necked cranes. The scenic beauty offered by the wide expanse of Phobjikha combined with habitation of the endangered black necked cranes has attracted hosts of enthusiasts ranging from researchers, scientists, conservationist, students, nature lovers and tourist. The adjoining Jigme Dorji Wangchuck National Park extends into the northern part of the Dzongkhag and covers nearly 4 Gewogs inclusive of Phojikha and Gangtey. The acclaimed monastery, Gangtey Goenpa, is located in this valley under Gangtey Gewog and the well known site for pilgrimage of Boed Langdra is in Kazhi Gewog.

Chuzhing dominates the agricultural activity, followed by Kamzhing, mixed farming. Paddy fields are mostly along the Dangchu and Puna Tsang Chu, with double cropping of rice as an important agricultural feature. Paddy is the most popular cereal grown in the lower valleys while potato is the most important cash crop for the Gewogs of Phobji, Gangtey and Sephu. Citrus is increasingly becoming popular in the Gewogs of Daga, Bjena, Phangyul and Rubeisa while ginger is extensively produced in Daga and Athang Gewogs as a source for generating income. The lower valley towards the southern belt is also suitable for sub-tropical horticulture crops such as mangoes, pineapples, litchis, guavas.

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 Parthosis 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, WANGDUE, 2006 TO 2010

Details	2006	2007	2008	2009	2010
Dzongkhag area (Sq. Km)	4308	4308	4308.0	4308.0	4308.0
Population (Number)	31,755	32,384	33,022	33,668	34,320
Population density (Persons per Sq. Km)	7	8	8	8	8
Population sex ratio(per 100 females)	106.8	106.2	105.6	105.6	105.3
Administration (Number)					
Drungkhags	0	0	0	0	0
Gewogs	15	15	15	15	15
Chiwogs	113	113	113	113	113
Villages		227	244	244	244
Households*	3065	2983	n.a	NA	n.a
Towns	2	2	2	2	2

Source: Gewog Administration and PHCB(Population and Housing Census of Bhutan) 2005

Note: * figures as per Registration Office.

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

TABLE 1.2 : LOCAL GOVERNANCE, WANGDUE, 2007 TO 2009

Details	2007	2008	2009
Local governance (Number)			
Total Gewog Tshogpas	102	102	104
Male	102	102	94
Female	0		10
Total Mangmis	15	15	15
Male	15	15	15
Female	0	0	0
Total Chupons	113	113	113
Male	na	na	na
Female	na	na	na
DYT members	37	31	na
Male	37	31	na
Female	0	0	na
GYT members	168	160	na
Male	na	na	na
Female	na	na	na
Polling stations	na	na	48
Eligible voters (18 years and above)	na	1304	15304
Male	na	7236	na
Female	na	7968	na
Parliamentarians	na	3	3
Male	na	2	2
Female	na	1	1
Total Dzongkhag Adm. Staff	na	na	34
Male	na	na	na
Female	na	na	na
Police stations	1	1	1

Note: Dzongkhag Adm Staff only those working at Dzongkhag head quarters excluding 16 esp staffs

Source: Dzongkhag Planning Officer, Wangdue

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

Age-group by sex	2006	2007	2008	2009	2010
Total	31755	32384	33022	33668	34320
0-4	3360	3229	3812	4036	4257
5-9	3302	3514	3168	3119	3081
10-14	3555	3522	3464	3411	3358
15-19	3494	3322	3544	3556	3553
20-24	3281	3012	3360	3396	3431
25-29	2941	2540	3078	3139	3196
30-34	2446	2107	2638	2734	2824
35-39	2044	1726	2172	2243	2323
40-44	1660	1408	1797	1868	1939
45-49	1367	1162	1452	1502	1557
50-54	1127	949	1198	1237	1277
55-59	925	765	976	1004	1035
60-64	747	594	784	805	827
65+	1504	947	1580	1620	1664
Male	16380	16681	17295	17295	17605
0-4	1659	1772	1997	1997	2107
5-9	1639	1601	1542	1542	1522
10-14	1779	1755	1699	1699	1670
15-19	1773	1780	1785	1785	1780
20-24	1717	1727	1741	1741	1748
25-29	1565	1600	1658	1658	1680
30-34	1317	1364	1460	1460	1505
35-39	1104	1138	1210	1210	1252
40-44	885	923	1005	1005	1044
45-49	722	744	794	794	825
50-54	593	610	650	650	671
55-59	483	496	524	524	540
60-64	387	396	416	416	427
65+	758	776	812	812	834
Female	15375	15703	16373	16375	16714
0-4	1701	1814	2093	2039	2150
5-9	1663	1628	1577	1577	1559
10-14	1776	1759	1712	1712	1688
15-19	1721	1742	1770	1770	1774
20-24	1564	1595	1655	1655	1683
25-29	1376	1413	1481	1481	1516

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

Age-group by sex	2006	2007	2008	2009	2010
30-34	1130	1176	1273	1273	1319
35-39	940	969	1032	1032	1071
40-44	776	803	864	864	894
45-49	645	665	707	707	731
50-54	535	551	587	587	606
55-59	442	453	480	480	494
60-64	360	369	389	389	399
65+	747	765	807	807	830

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, WANGDUE, 2008 TO 2010

Details	GPS	PS	LSS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
2008											
Numbers of school and institutions	20	1	2	2	1	0	0	0	39.0	na	65
Teaching staff	114	29	49	38	31				39.0	na	300
Bhutanese	114	29	47	32	26	-	-	-	39.0	na	287
Male	79	10	24	22	20	-	-	-	14.0	na	169
Female	35	19	23	10	6	-	-	-	25.0	na	118
Non-Bhutanese	0	0	2	6	5	0.0	0.0	0.0	0.0	na	13
Male	0	0	2	6	5	-	-	-	-	na	13
Female	0	0	0	0	0	-	-	-	-	na	0
Temporary teachers	0	1	5	0	0	-	-	-	-	na	6
Male	0	1	3	0	0	-	-	-	-	na	4
Female	0	0	2	0	0	-	-	-	-	na	2
Number of students	4,836	956	2,162	809	517	0.0	0.0	0.0	0	na	9,280
Male	2,072	455	1,038	388	274	-	-	-	-	na	4,227
Female	2,764	501	1,124	421	243	-	-	-	-	na	5,053
Student to teacher ratio	42	33	44	21	17	0	0	0	0	na	31

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

Details	CPS	PS	ISS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
2009											
Numbers of school and institutions	30	1	3	2	1	0	0	0	na	1	30
Teaching staff	128	46	71	57	37	0	0	0	na	na	339
Bhutanese	115	46	na	na	na	0.0	0.0	0.0	na	na	161
Male	86	19	na	na	na	0.0	0.0	0.0	na	na	105
Female	29	27	na	na	na	0.0	0.0	0.0	na	na	56
Non-Bhutanese	0	0	na	na	na	0.0	0.0	0.0	na	na	0
Male	0	0	na	na	na	0.0	0.0	0.0	na	na	0
Female	0	0	na	na	na	0.0	0.0	0.0	na	na	0
Temporary teachers	na	na	na	na	na	0.0	0.0	0.0	na	na	0
Male	na	na	na	na	na	0.0	0.0	0.0	na	na	0
Female	na	na	na	na	na	0.0	0.0	0.0	na	na	0
Number of students	3,004	954	2,090	881	503	0.0	0.0	0.0	na	na	7,432
Male	1,390	473	1,000	397	267	0.0	0.0	0.0	na	na	3,527
Female	1,614	481	1,090	484	236	0.0	0.0	0.0	na	na	3,905
Student to teacher ratio	23	21	29	15	14					na	103
2010											
Numbers of school and institutions	10	2	4	4	2	0	0	0	37	1	60
Teaching staff	95	57	40	33	72	0	0	0	37		

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

Details	GPS	PS	LSS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
Bhutanese	105	57	40	29	54	0	0	0	37	na	322
Male	75	26	18	18	29	0	0	0	13	na	179
Female	30	31	22	7	25	0	0	0	24	na	139
Non-Bhutanese	0	0	0	2	9	0	0	0	0	na	11
Male	0	0	0	1	8	0	0	0	0	na	9
Female	0	0	0	1	1	0	0	0	0	na	2
Temporary teachers	na	na	na	na	na	0	0	0	0	na	0
Male	na	na	na	na	na	0	0	0	0	na	0
Female	na	na	na	na	na	0	0	0	0	na	0
Number of students	1,282	622	1,912	2,139	675	0	0	0	na	na	6,630
Male	649	294	884	1,007	346	0	0	0	na	na	3,180
Female	633	328	1,028	1,132	329	0	0	0	0.0	na	3,450
Student to teacher ratio	13	11	48	65	9	0	0	0	na	na	na

Source : Dzongkhag Education Sector, Wangdue

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

Class	2008	2009	2010
Primary level			
Total	7910	5254	4972
Class PP	878	830	810
Class I	842	854	765
Class II	906	784	784
Class III	760	857	740
Class IV	713	744	759
Class V	631	623	567
Class VI	561	562	547
Male	2619	3127	2501
Class PP	527	474	435
Class I	414	533	373
Class II	454	483	438
Class III	370	521	385
Class IV	317	433	367
Class V	281	343	281
Class VI	256	340	222
Female	2672	3423	2471
Class PP	351	529	375
Class I	428	497	392
Class II	452	481	346
Class III	390	557	355
Class IV	396	482	392
Class V	350	459	286
Class VI	305	418	325
Secondary level			
Total	2061	3247	2122
Class VII	571	994	438
Class VIII	458	874	451
Class IX	433	460	531
Class X	353	662	414
Class XI	115	139	164
Class XII	131	118	124
Male	3008	3409	2977
Class VII	256	464	190
Class VIII	212	376	180

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

Class	2008	2009	2010
Class IX	196	213	230
Class X	187	186	202
Class XI	70	88	87
Class XII	79	73	78
Female	1061	1580	1155
Class VII	315	530	248
Class VIII	246	498	271
Class IX	237	247	301
Class X	166	209	212
Class XI	45	51	77
Class XII	52	45	46

Source: Dzongkhag Education Sector, Wangdue

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

Details	2008	2009	2010
Students in primary school level (Class PP-VI)			
Total	n.a		
Age < 6 years	n.a	6	18
Age 6-12 years	n.a	3170	4316
Age 13 & above	n.a	685	731
Male	n.a		
Age < 6 years	n.a	1	8
Age 6-12 years	n.a	1507	2111
Age 13 & above	n.a	288	302
Female	n.a		
Age < 6 years	n.a	5	10
Age 6-12 years	n.a	1763	2205
Age 13 & above	n.a	397	429
Student in LSS level (Class VII-VIII)			
Total	n.a	n.a	
Age < 13 years	n.a	n.a	37
Age 13-14 years	n.a	n.a	330
Age 15 & above	n.a	n.a	482
Male	n.a	n.a	
Age < 13 years	n.a	n.a	16
Age 13-14 years	n.a	n.a	135
Age 15 & above	n.a	n.a	225
Female	n.a	n.a	
Age < 13 years	n.a	n.a	21
Age 13-14 years	n.a	n.a	195
Age 15 & above	n.a	n.a	257
Students in MSS level (Class IX-X)			
Total	n.a	n.a	
Age < 15 years	n.a	n.a	26
Age 15-16 years	n.a	n.a	323
Age 17 & above	n.a	n.a	598
Male	n.a	n.a	
Age < 15 years	n.a	n.a	18
Age 15-16 years	n.a	n.a	133
Age 17 & above	n.a	n.a	291
Female	n.a	n.a	
Age < 15 years	n.a	n.a	7

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

Details	2008	2009	2010
Age 15-16 years	n.a	n.a	190
Age 17 & above	n.a	n.a	307
Students in HSS level (Class XI-XII)			
Total	n.a	n.a	
Age < 17 years	n.a	n.a	18
Age 17-18 years	n.a	n.a	137
Age 19 & above	n.a	n.a	142
Male	n.a	n.a	
Age < 17 years	n.a	n.a	9
Age 17-18 years	n.a	n.a	68
Age 19 & above	n.a	n.a	96
Female	n.a	n.a	
Age < 17 years	n.a	n.a	9
Age 17-18 years	n.a	n.a	69
Age 19 & above	n.a	n.a	46

Source: Dzongkhag Education Sector, Wangdue

TABLE 3.4: NUMBER OF SANITATION & WATER FACILITIES IN SCHOOLS,
WANGDUE, 2008 TO 2009

Details	2009	2010
Number of schools with toilet facilities		
Flush toilet	6	13
Pit latrine	17	9
Other type	na	6
No toilet	na	4
Number of schools with water facilities		
Tap/pipe water	19	na
Pond/spring	0	0
Stream	0	0
Other	0	0

Note:

Source: Dzongkhag Education Sector, Wangdue

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

Details	2007	2008	2009
Number of hospitals	1	1	1
Number of BHUs	10	10	10
BHU grade I	1	1	1
BHU grade II	9	9	9
Number of ORCs	23	23	24
Number of indigenous units	1	1	1
Number of doctors	2	2	2
Number of hospital/BHU beds	na	na	na
Persons per doctor	na	na	na
Persons per hospital bed	na	na	na
Total morbidity attendance	na	na	106
Health Assistants	4	4	16
Basic health workers	10	10	10
Sister and nurses	8	8	7
Technicians	7	7	5
Indigenous dungtsho	1	1	1
Indigenous compounders/Menpas	1	1	1
Malaria workers	0	0	n.a
Village health workers	41	na	56
Births attended by skilled personnel	127	250	235
Number of births in medical facility	274	274	235
Number of children immunized			
Polio	399	735	707
DPTH	399	735	709
Measles	247	331	n.a
Others	185	315	489
Family planning acceptors by type			
Condom distributed	47417	54142	52501
Pills	72	186	860
Injection DMPA	7		21
IUD	13	6	1400
Vasectomy	46	46	21
Tubectomy	5	15	175
Others	242	184	n.a

Source: Dzongkhag Health Sector, Wangdue

TABLE 4.2: TOP TEN MORBIDITY, WANGDUE, 2009

Type of diseases (Incidence)	2009
Common Cold	22984
Typhoid	6664
Skin Infections	6583
Peptic Ulcer Syndrome	6236
Acute Pharyngitis/Tonsilitis	3090
Conjunctivitis	2981
Dysentery	2478
Nutritional Anaemia	1561
Hypertension	1504
Otitis Media	843

Note: This information is collected from BHMIS 2009

Source: Dzongkhag Health Sector, Wangdue

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

Details	2007	2008	2009
Trade and Industries (Number)			
Micro & retail trade licences issued	na	na	101
Micro & retail trade licences in operation	na	na	na
Wholesale trade licences issued	na	na	21
Wholesale trade licences in operation	na	na	21
Services licences issued	na	646	706
Services licences in operation	na	448	na
Manufacturing licenses issued	na	33	33
Manufacturing licenses in operation	na	28	na
Public Transport operators (Numbers)			na
Bus	1	1	na
Taxi	na	na	na
Others	na	na	na
Industries by type (Number)			
Agro based	na	2	2
Forestry based	na	15	17
Mineral based	na	13	16
Others	na	3	4
Industries by scale (Number)			
Large	na	1	2
Medium	na	2	3
Small	na	7	44
Cottage	na	23	696
Contract firms (Number)			
A	na	0	0
B	na	0	0
C	na	22	22
D (Petty)	na	652	665

Source: Trade statistics, www.moea.gov.bt

Note: ** is the number of new license issued in the respective years.

TABLE 6.1: RENEWABLE NATURAL RESOURCES, WANGDUE, 2006 TO 2009

Agriculture	2006	2007	2008	2009
Irrigation for agriculture				
Number of irrigation channels	na	na	na	115
Functional	na	na	na	na
Non Functional	na	na	na	na
Total length of channels (Km)	na	na	na	500
Area covered by irrigation (Acres)	na	na	6051.5	6146
Number of households benefitted	na	na	2490	2548
Number of food processing units	na	na	8	na
Number of agriculture mills *	na	na	386	418
Number of livestock product processing units	na	na	3	3
Number of farmer association/groups	na	na	na	na
Agriculture	na	na	9	9
Livestock	na	na	5	5
Forestry	na	na	na	na
Number of power tillers	1	na	341	380

Source : Dzongkhag Agriculture Sector, Wangdue

TABLE 6.2: AGRICULTURAL PRODUCTION, WANGDUE, 2007 TO 2009

Details	2007	2008	2009
Paddy			
Area (Acres)	3824		5437
Production (MT)	5009937.9	4232562	5837
Price per Kg(Nu.)	20		
Maize			
Area (Acres)	478.3		452
Production (MT)	373576.7	256122.6	323
Price per Kg(Nu.)	25		
Wheat			
Area (Acres)	1599.7		1676
Production (MT)	877405.6	1710738	666
Price per Kg(Nu.)	12		
Barley			
Area (Acres)	944.5		422
Production (MT)	495259.6	124342	193
Price per Kg(Nu.)	12		
Buckwheat			
Area (Acres)	589.0		749
Production (MT)	26440.6	184547.4	250
Price per Kg(Nu.)	12		
Millet			
Area (Acres)	105.9	na	71
Production (MT)	16306.5	na	29
Price per Kg(Nu.)	14	na	
Fruits			
Apples			
Number of fruit bearing trees	3882.4	na	2282
Production (Kg)	101740.6	na	36000
Production (Nu.)	3052218	na	720000
Oranges/ Mandarin			
Number of fruit bearing trees	13778.2	na	19390
Production (Kg)	354723	na	312000
Production (Nu.)	8868075	na	240000
Banana			
Number of fruit bearing trees	867.6	na	5750
Production (Kg)	6670.9	na	42000
Production (Nu.)	133418	na	504000

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

Details	2007	2008	2009
Pear			
Number of fruit bearing trees	1865	na	1095
Production (Kg)	45565.5	na	37000
Production (Nu.)		na	74000
Plum			
Number of fruit bearing trees	427.3	na	533
Production (Kg)	4834.6	na	21000
Production (Nu.)		na	630000
Areca Nut			
Production (Pon)	0	na	0
Production (Nu.)	0	na	0
Vegetables and Spices			
Potato			
Production (kg)	1918.7	na	17117000
Production (Nu.)	13095586	na	
Chili			
Production (kg)	333.8	na	608000
Production (Nu.)	723626.7	na	
Onion			
Production (kg)	33.8	na	39000
Production (Nu.)	39240.6	na	
Cabbage			
Production (kg)	42.1	na	231000
Production (Nu.)	100649.4	na	
Cauliflower			
Production (kg)	7.7	na	28000
Production (Nu.)	18895	na	
Asparagus			
Production (Bundles)	21.4	na	24892
Production (Nu.)	1577.8	na	
Tomato			
Production (Kg)	59.2	na	58000
Production (Nu.)	59853.6	na	
Carrot			
Production (Kg)	29.7	na	31000
Production (Nu.)	53089	na	

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

Details	2007	2008	2009
Egg Plant (Brinjal)			
Production (Kg)	31.9	na	36000
Production (Nu.)	23906.3	na	
Raddish			
Production (Kg)	234	na	1405000
Production (Nu.)	1671158.8	na	
Ginger			
Production (Kg)	25.7	na	14240
Production (Nu.)	31493.7	na	
Cardamom			
Production (Kg)	0	na	284800
Production (Nu.)	0	na	
Garlic			
Production (Kg)	34.8	na	36000
Production (Nu.)	42462.4	na	
Oil seeds and legumes			
Lentils			
Production (Kg)	0	na	0
Production (Nu.)	0	na	0
Mustards			
Production (Kg)	368.5	na	103000
Production (Nu.)	98549.5	na	
Beans			
Production (Kg)	94.1	na	90000
Production (Nu.)	130652.6	na	

Note: most data for 2008 is not available because Agriculture sector was fully involved in agriculture survey

Source : Dzongkhag Agriculture Sector, Wangdue

TABLE 6.3: LIVESTOCK POPULATION, WANGDUE, 2007-2009

Details	2007	2008	2009
Livestock (Number)			
Cattle			
Local breed	1386	5698	na
male	1457	8893	6822
Female			10452
Improved breed	na	na	na
male	na	na	758
Female	na	na	1910
Mithun	2468	2081	na
Bufallo			
Male	0	0	0
Female	0	0	0
Horse	1136		
Local breed	1067	817	897
Improved breed	342	101	35
Yak			
Male	932	na	1118
Female	1407	na	1620
Sheep	1680	3672	2035
Local breed	na	na	na
Improved breed	na	na	na
Pig	na	na	na
Local breed	1190	1065	1082
Improved breed	722	780	419
Poultry			
Local breed	3812	3639	4384
Improved breed	1072	1089	674
Goat	341	379	336

Note: Mithun includes Jatsa, Jatsam and Bamin

Source : Dzongkhag Livestock Sector, Wangdue

TABLE 6.4: LIVESTOCK PRODUCTS

Details	2007	2008	2009
Livestock products			
Fresh Milk (Liters)	1412760	1643603.1	1084997.5
Butter (Kg)	157300	94170.44	79619.68
Fresh Cheese (Kg)	726180		144144.85
Processed cheese (kg)		706603.3	1042
Eggs (Dozen)	194892	169293	38470
Fish (Kg)	0	250	18970
Beef (Kg)	43390	67410	34655
Pork (Kg)	51630	5171	18415
Yak Meat (Kg)	6190	27685	15446
Mutton (Kg)	0	0	0
Honey (Gm)	0	0	0
Chicken (Kg)	0	38	474

Source : Dzongkhag Livestock Sector, Wangdue

TABLE 6.5: FORESTRY PRODUCTS

Details	2007	2008	2009
Wood Forest Product			
Log Form (Cft)	na	na	na
Fire wood (Cubic metres)	na	na	na
Flag Poles (Number)	6733	4517	na
Shinglap (Number of trees)	na	na	na
Cham (Number of trees)	na	na	na
Tsim (Number of trees)	na	na	na
Non-Wood Forest Product			
Mushroom (Kg)	na	na	na
Mushroom (Nu.)	na	na	na
Medicinal and Aromatic plants (Kg)	na	na	na
Cordyceps (Kg)	na	na	na
Cordyceps (Nu.)			na
Sand (Truck Load)	6875	316	na
Stones (Truck Load)	1239	405	na
Bamboo (Number)	33631	44250	na
Cane (Bundles)	na	na	na
Lemon grass (Kg)	na	na	na

Source : Dzongkhag Forestry Sector, Wangdue

TABLE 7.1: INFRASTRUCTURE, WANGDUE, 2007 TO 2009

Details	2007	2008	2009
Roads (Length in Km)			
Farm roads	71.30	84.80	110.7
Feeder roads	155.8	157.3	196.7
Forest roads	26.6	26.6	70.5
Highways/Dzongkhag roads	94.3	94.3	86.8
Bridges (Number)			
Suspension bridges	na	9	9
Suspended	na	8	8
Bailey bridges	10	10	10
Traditional bridges	na	na	na
Auto workshop centres	na	3	4
Bus stations	1	1	1
Post offices	1	1	1
Banks	2	2	2

Source: Dzongkhag Engineering Sector, Wangdue

TABLE 8.1 NUMBER OF HOUSEHOLDS HAVING TELECOMMUNICATION,
WANGDUE, 2007 TO 2009

Details	2007	2008	2009
Telecommunications (Number)			
Households with fixed telephone connections	1070	1027	463
Community information centres	0	0	0
Gewogs accessible to mobile services	15	15	15
Households with internet access	na	na	114

Note: out of 15 geogs 7 geogs have access to mobile connection partially.

Source: Bhutan Telecom Limited Corporation, Wangdue

TABLE 9.1: ENVIRONMENT, WANGDUE, 2007 TO 2009

Details	2007	2008	2009
Total cultivated land (Acres)	na	3286.55	na
Temperature (Degree Celcius)			
Avg. Max (Annual)	24.3	24.4	na
Avg. Min (Annual)	14.1	14.9	na
Rainfall (Millimeter)			
Avg. Annual rainfall	46.5	54.3	na
Number of snowfall occurred at Dzongkhag head quarter	na	na	na
Damages caused by landslides			
Farmland (acres)	na	na	na
Houses (Number)	na	na	6
Roads (Km)	na	na	na
Damages caused by floods			
Farmland (acres)	na	na	na
Houses (Number)	na	na	1
Roads (Km)	na	na	na
Crops affected by drought (acres)	na	na	0
Crops damaged by wild animals (acres)		na	na
Incidence of earthquake (Number of cases reported)	na	na	4
Houses damaged by earthquakes (Number)	na	na	16
Number of forest fires	na	na	na
Acreage destroyed by forest fires	na	na	na
Acreage of reforestation	na	na	na
Houses/structures damaged by fires (Number)	na	na	2
Mining sites (Number)	na	na	na
Quarry sites (Number)	na	na	na
Municipal waste disposal sites (Number)	1	1	1
Environmental clearance issued	na	na	na

Source: Dzongkhag Revenue Office, Wangdue

TABLE 10.1: DZONGKHAG FIVE YEAR PLAN OUTLAYS, WANGDUE,
9TH AND 10TH FYP

(in million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	69.3	33.3	na	235.0
Agriculture	40.8	45.1	na	77.6
Livestock	37.4	13.5	na	90.4
Forestry	14.3	13.4	na	48.7
Education	52.7	21.0	na	283.6
Health	184.3	142.3	na	201.7
Urban Development & Housing	11.7	12.8	na	775.6
Roads	na	24.5	na	na
Bhutan post	na		na	na
Telecommunication	4.4	62.5	na	na
Power	na	12.0	na	na
Trade & Industry	na	33.3	na	na
Total			na	82.8
Total plan outlay	414.8	355.8	na	

Source: Planning Officer, Wangdue Dzongkhag

TABLE 10.2: DZONGKHAG FIVE YEAR PLAN EXPENDITURE, WANGDUE,
9TH AND 10TH FYP

(in million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	61.8	26.9	na	na
Agriculture	35.5	30.8	na	na
Livestock	35.4	15.3	na	na
Forestry	14.3	8.2	na	na
Education	184.3	267.7	na	na
Health	52.7	24.5	na	na
Urban Development & Housing	4.4	81.4	na	na
Roads	na	na	na	na
Bhutan post	na	na	na	na
Telecommunication	na	na	na	na
Power	na	na	na	na
Trade & Industry	na	na	na	na
Total	na	na	na	na
Total plan expenditure	388.341	454.761	na	na

Source: Planning Officer, Wangdue Dzongkhag

TABLE 10.3: GEWOG FYP OUTLAYS, WANGDUE, 9TH AND 10TH FYP
(In million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Agriculture	n.a	26.596	n.a	113.84
Livestock	n.a	2.349	n.a	9.689
Forest	n.a	3.799	n.a	9.49
Education	n.a	11.088	n.a	n.a
Health	n.a	10.984	n.a	26.4
Suspension bridges + mule tracks	n.a	12.801	n.a	11.153
Geog Administration	7.510	6.130	n.a	27.875
Total	7.51	73.747	-	198.447

Source: Planning Officer, Wangdue Dzongkhag

TABLE 10.4: GEWOG FYP EXPENDITURE, WANGDUE, 9TH AND 10TH FYP
(In million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Agriculture	20.1	44.81	na	na
Livestock	n.a	1.758	na	na
Forest	n.a	1.313	na	na
Education	n.a	12.745	na	na
Health	n.a	3.721	na	na
Suspension bridges + mule tracks	n.a	15.794	na	na
Geog Administration	n.a		na	na
Total	20.1	7.51	na	na

Source: Planning Officer, Wangdue Dzongkhag

TABLE 11.1: GROSS AND NET ENROLMENT RATIO BY EDUCATION LEVEL,
WANGDUE, 2005

Details	2005
Primary school level (Class PP-VI)	3999
Gross enrolment ratio	91.5
Net enrolment ratio	74.1
LSS level (Class VII-VIII)	904
Gross enrolment ratio	66.7
Net enrolment ratio	22.4
MSS level (Class IX-X)	508
Gross enrolment ratio	47.2
Net enrolment ratio	23.6
HSS level (Class XI-XII)	277
Gross enrolment ratio	99.1
Net enrolment ratio	12

Source: Bhutan Socio Economic Indicator, 2005

TABLE 11.2: LITERACY RATE BY SEX, WANGDUE, 2005

Literacy rate	2005
Male	65.4
Female	42.9
15-24 years	73.20
Male	79.7
Female	65.3

Source: Bhutan Socio Economic Indicator 2005

TABLE 11.3: DISTANCE TO THE NEAREST SCHOOL, WANGDUE

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

Note: na applies to as not available

Source: Socio Economic Indicator, 2005

TABLE 12.1: HEALTH COVERAGE, WANGDUE, 2005

Details	2005
Population covered by health care (%)	91.0
Population access to safe drinking water (%)	82.1

Note: Safe drinking water indicates access to improve water source

Source:Socio Economic Indicator 2005

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

Details	2005
Walking distance to health facility (% of households)	na
< 1 hr	na
1 - 2 hrs	na
2 - 3 hrs	na
> 3 hrs	na
	na
Sources of drinking water & sanitation facility (% of households)	
Tap/pipe water	81.5
Stream water	16.7
Other sources	1.8
With toilet facility	88.5
Without toilet	11.5

Source:PHCB (Population and Housing Census of Bhutan) 2005

TABLE 13.1: DISTANCE TO NEAREST MARKET BY HOUSEHOLDS, WANGDUE

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

TABLE 13.2: PERCENTAGE OF HOUSEHOLD ACCESS TO CREDIT FACILITIES,
WANGDUE, 2007

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

Note: Data not available for Dzongkhags in BLSS 2007

Source:BLSS 2007

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

Details	2005
Total labour force (Number)	13,395
Total employed (%)	97.7
Male	97.7
Female	97.7
Unemployment rate	3.5
Total employed in Agriculture (%)	48.2
Male	36.4
Female	65.6
Total employed in Industries (%)	16.7
Male	22.7
Female	7.8
Total employed in Services (%)	11.5
Male	15.4
Female	5.8
Total unemployed by area (%)	2.3
Urban	2.7
Rural	2.2
Total un-employed by education (%)	
Total unemployed grade XII and above	na
Total unemployed below grade XII	na
Total under employed (%)	35.2
Employed by age-group (%)	
15-17 years	na
18-24 years	na
25-64 years	98.2
65 years and above	99.0
Unemployed by age-group (%)	
15-17 years	na
18-24 years	na
25-64 years	1.0
65 years and above	2.7
Labor force participation rate (%)	42.8
Male participation rate	49.5
Female participation rate	35.7

Source: Population and Housing Census of Bhutan 2005

TABLE 15.1: RENEWABLE NATURAL RESOURCES, WANGDUE

Agriculture	
Wet land holding (Number)	
Holdings < 1 acre	na
Holdings 1-5 acres	na
Holdings >5 acres	na
Total wet land (Acres)	na
Dry land holding (Number)	
Holdings < 1 acre	na
Holdings 1-5 acres	na
Holdings >5 acres	na
Total dry land (Acres)	na
Orchard land holding (Number)	
Holdings < 1 acre	na
Holdings 1-5 acres	na
Holdings >5 acres	na
Total orchard (Acres)	na
Pasture land (Acres)	na

Source: Agriculture Census, 2009

TABLE 16.1: WALKING DISTANCE TO NEAREST ROAD BY HOUSEHOLD,
WANGDUE, 2005

Details	2005
Walking distance to road head (% of households)	
< 1 hr	70.82
1-2 hrs	9.96
2-5 hrs	12.98
> 5 hrs	6.25

Source: Population and Housing Census of Bhutan, 2005

TABLE 17.1: NUMBER OF HOUSHOLDS HAVING TELECOMMUNICATION
FACILITIES, WANGDUE, 2005

Details	2005
Households with TV sets	1181
Households owning computer	55
Households owning radios	4353

Source: Population and Housing Census of Bhutan 2005

TABLE 18.1: NUMBER OF CULTURAL INFRASTRUCTURE AND RELIGIOUS PERSONNEL, WANGDUE, 2009

Details	2009
Number of Dzongs	1
Number of Chortens	75
Number of Lakhangs	128
Private	48
Community	83
Government	10
Number of Temples	135
Private	42
Community	83
Government	10
Number of Chukhor/Dungkhor	na
Number of religious personnel, centres and sites	
Nuns	na
Gelong	na
Gomchens	na
Pawo/jomo/terda/nyerjom	7
Shedra	4
Gomdeys/Drubda	7
Cremation grounds	12
Community tshechus	
Hot springs	0
Menchu	6
Pilgrimage sites (Nyes)	16
Drupchu	17
Number of Cultural industries and units	
Movie making	0
Weaving centre	1
Dapa/phop	1
Wood and craft	1
Bhutanese paper manufacturing	0
Number of households manufacturing	
Dung	0
Jaling	0
Drum (nga)	1
Bangchung	0
Tshazow	0

TABLE 18.1 (Contd.): NUMBER OF CULTURAL INFRASTRUCTURE AND RELIGIOUS PERSONNEL, WANGDUE, 2009

Details	2009
Number of centres performing arts	1
Singing/Dancing	0
Mask Dances	1

Source: Dzongkhag Cultural Officer, Wangdue

TABLE 19.1: FOREST COVERAGE AND USAGE IN PERCENT, WANGDUE, 2005

Details	2005
Forest coverage (%)	na
Households using fuel wood (%)	60.8
Households using electricity (%)	44.4
Number of Protected spring water sources	na
Number of Lakes	na

Source: Socio Economic and Demographic Indicator, 2005

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

Details	2007
Population below total poverty line (%)	15.8
Households below total poverty line (%)	9.6
Population below food poverty line (%)	1.9
Households below food poverty line (%)	0.8
Households availing rural credit (%)	na
Average annual household expenditure (Nu.)	32,508
Landless households (%)	36.6
Dependency	
Child dependency ratio	48.7
Old age dependency ratio	7.6
Overall dependency ratio	56.3
Housing condition	2005
Household with straw/leaves roof (%)	2
Household with bamboo roof (%)	292
Household with metal roof (%)	3662
Household with concrete/tiles roof (%)	25
Household with shingles roof (%)	1740
Number of persons per room	4.5
Number of households living in own dwelling	3947
Number of households living in rented house	2280
Ownership of assets (Number)	2005
Households with land/plot	3951
Households owning livestock	3205
Households owning vehicle	519
Households owning refrigerator	747
Households owning washing machine	75
Households owning rice cooker	na

Source:Poverty Analysis Report 2007, Population and Housing Census of Bhutan 2005