



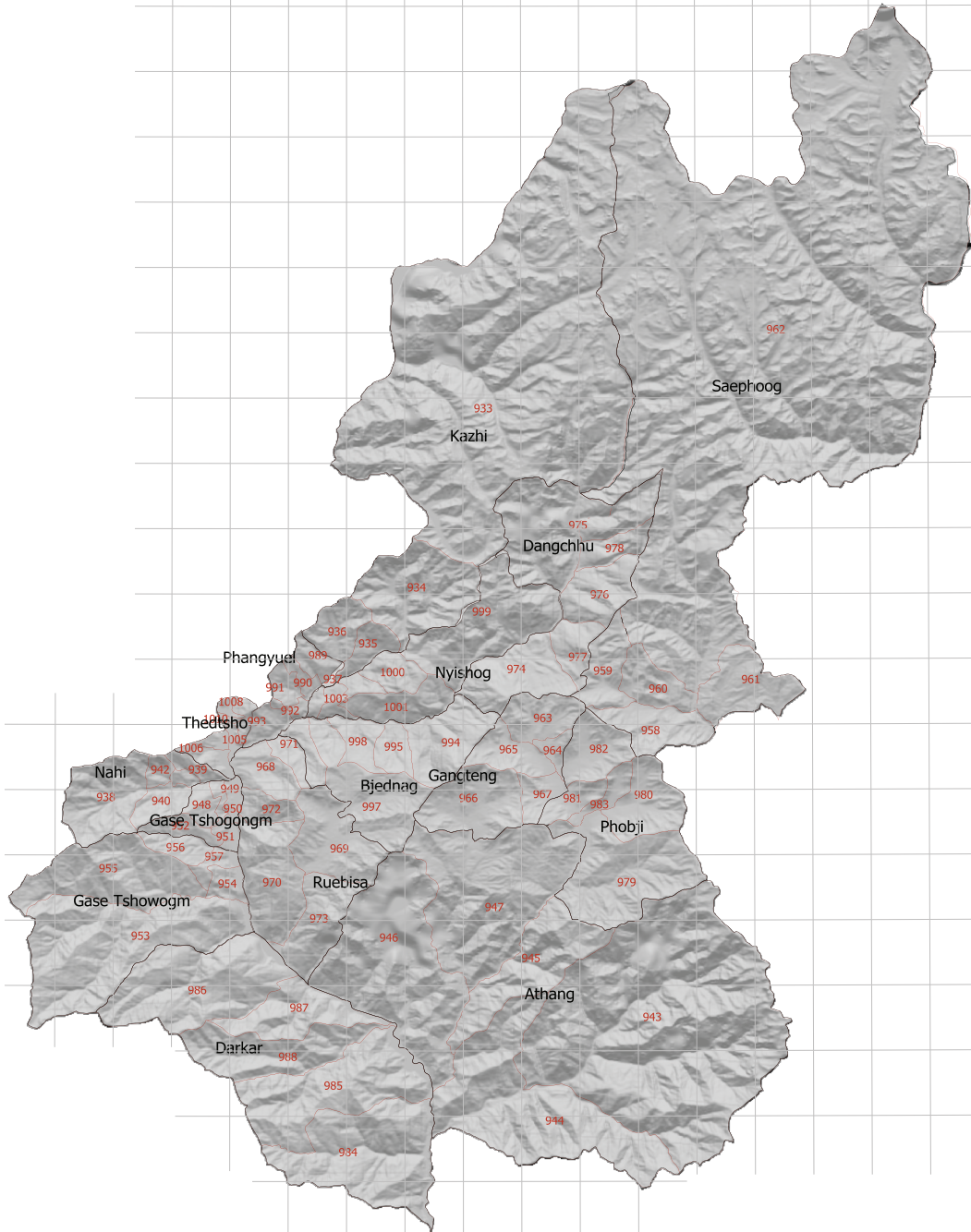
ANNUAL DZONGKHAG STATISTICS 2011



**Dzongkhag Administration
WANGDUE PHODRANG**



Wangdue Phodrang Gewogs and Chiwogs as per the final delimitation order issued by the Election Commission of Bhutan



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National Statistics Bureau

Contact

National Statistics Bureau

PO Box No. 338

Telephone: +975-2-322753/333296

Fax: +975-2-323069

Website: www.nsb.gov.bt

Statistics Unit

Wangdue Phodrang Dzongkhag

Telephone: +975-02-481833

Fax: +975-02-481833

Email: n_druk@yahoo.co.uk

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Preface

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

Dzongkhag Statistics Office
Thimphu

Background

Wangdue Phodrang Dzongkhag, encompassing a total area of 4308 Sq.Km with an altitude ranging from 800-5800 meters above the sea level, has Fifteen Gewogs, namely Athang,Bjena,Daga,Dangchu, Gangtey, Gasetsho Gom, Gasetsho Wom, kazhi,Nahi,Nyisho,Phangyul, Phobjikha,Rubeisa,Sephu and Thedtsho. It is bordered by Punakha in the north, Thimphu in the west, Trongsa in the east and Tshirang in the South.

As per the PHCB 2005, Wangdue Phodrang has 1,462 households and a total population of 31,135.The projected population for 2011, based on PHCB 2005, is 34,974.

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 Black Necked Cranes. The Scenic beauty offered by the wide expanse of Phobjikha combined with habitation of endangered black necked cranes has attracted host of enthusiasts ranging from researchers, scientist, conservationist, students, nature lovers and tourist. The adjoining Jigme Dorji wangchuk National Park extends into the northern part of the Dzongkhag and covers nearly 4 gewogs inclusive of Phobjikha 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 (irrigated wetland) dominates the agricultural activity, followed by Kamzhing (dry land), mixed farming and few patches of Tseri (slash & burn) cultivation. Paddy fields are mostly along the Dangchu and Puna Tsang Chu, with double cropping of rice as an important agricultural feature. Potato is an important cash crop for the geogs of Phobji, Gangtey and Sephu and there is increasing citrus production in the geogs of Daga, Bjena, Phangyul and Rubeisa and ginger production in Daga and Athang geogs as a source of generating income. The lower valley towards the southern belt is best suited for sub-tropical horticulture crops such as oranges, mangoes, pineapples, guavas etc.

Wangdue Phodrang Dzongkhag has a total road network of 474.1 Km including 90.5 Km of National Highway. It has a total of 28 Schools, out of which 19 are Community Primary Schools, 1 Primary School, 3 Lower Secondary Schools, 2 Middle Secondary Schools and 3 Higher Secondary Schools with a total of 7854 students and 335 teachers as of December 2010. It also has 49 NFE Centres with 48 NFE Instructors. It has 2 hospitals including one located inside the Military Training Centre and 9 BHUs.

As of 2009, a total of 463 households have access to direct fixed telephone line and all 15 gewogs have access to mobile services with only 7 geogs have access to mobile connections partially.

The Puna Tshang Chhu project, one of the highly anticipated Hydro Power projects of our country is underway along the Punatshang chhu, which could be seen on the way to Tsirang. The Basochhu hydro power plant is also located in this dzongkhag.

ABBREVIATIONS

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

Table 1. Population by Age-Group and Sex, Wangdue Phodrang, (2005 ~ 2011)

Age-group	2005	2006	2007	2008	2009	2010	2011
Total	31,135	31,755	32,384	33,022	33,668	34,320	34,974
0-4	3,142	3,360	3,229	3,812	4,036	4,257	4,245
5-9	3,583	3,302	3,514	3,168	3,119	3,081	3,310
10-14	3,826	3,555	3,522	3,464	3,411	3,358	3,279
15-19	3,532	3,494	3,322	3,544	3,556	3,553	3,535
20-24	3,157	3,281	3,012	3,360	3,396	3,431	3,466
25-29	2,533	2,941	2,540	3,078	3,139	3,196	3,249
30-34	2,066	2,446	2,107	2,638	2,734	2,824	2,907
35-39	1,828	2,044	1,726	2,172	2,243	2,323	2,413
40-44	1,502	1,660	1,408	1,797	1,868	1,939	2,007
45-49	1,335	1,367	1,162	1,452	1,502	1,557	1,619
50-54	1,128	1,127	949	1,198	1,237	1,277	1,318
55-59	846	925	765	976	1,004	1,035	1,068
60-64	870	747	594	784	805	827	851
65+	1,787	1,504	947	1,580	1,620	1,664	1,709
Male	16,083	16,380	16,681	17,295	17,295	17,605	17,915
0-4	1,601	1,659	1,772	1,997	1,997	2,107	2,101
5-9	1,804	1,639	1,601	1,542	1,542	1,522	1,636
10-14	1,889	1,779	1,755	1,699	1,699	1,670	1,628
15-19	1,833	1,773	1,780	1,785	1,785	1,780	1,766
20-24	1,860	1,717	1,727	1,741	1,741	1,748	1,756
25-29	1,327	1,565	1,600	1,658	1,658	1,680	1,698
30-34	1,041	1,317	1,364	1,460	1,460	1,505	1,545
35-39	943	1,104	1,138	1,210	1,210	1,252	1,297
40-44	769	885	923	1,005	1,005	1,044	1,082
45-49	685	722	744	794	794	825	861
50-54	586	593	610	650	650	671	693
55-59	421	483	496	524	524	540	557
60-64	421	387	396	416	416	427	440
65+	903	758	776	812	812	834	856

Female	15,052	15,375	15,703	16,373	16,375	16,714	17,059
0-4	1,541	1,701	1,814	2,093	2,039	2,150	2,144
5-9	1,779	1,663	1,628	1,577	1,577	1,559	1,674
10-14	1,937	1,776	1,759	1,712	1,712	1,688	1,651
15-19	1,699	1,721	1,742	1,770	1,770	1,774	1,769
20-24	1,297	1,564	1,595	1,655	1,655	1,683	1,710
25-29	1,206	1,376	1,413	1,481	1,481	1,516	1,551
30-34	1,025	1,130	1,176	1,273	1,273	1,319	1,362
35-39	885	940	969	1,032	1,032	1,071	1,116
40-44	733	776	803	864	864	894	925
45-49	650	645	665	707	707	731	758
50-54	542	535	551	587	587	606	625
55-59	425	442	453	480	480	494	511
60-64	449	360	369	389	389	399	411
65+	884	747	765	807	807	830	853

Note: Figures for the year 2006 onwards are based on the projected population
Source: Population & Housing Census of Bhutan, 2005

Table 2. Population, Density and Sex Ratio, Wangdue Phodrang, (2005 ~ 2011)

Details	2005	2006	2007	2008	2009	2010	2011
Population(Number)	31,135	31,755	32,384	33,022	33,668	34,320	34,974
Population density (Persons per Sq. Km)	7	7	8	8	8	8	8
Population sex ratio	106.8	107	106	105	106	105.3	105.0

Source : Dzongkhag Population Projection 2006-2015

Table 3. Total Number of Live Births, Deaths, Marriages and Divorces, Wangdue Phodrang, (2008 ~ 2011)

Age-group	2008	2009	2010	2011
Live births	647	469	661	664
Male	na	na	na	na
Female	na	na	na	na
Total deaths	109	99	661	120
Male	na	na	na	na
Female	na	na	na	na
Infant deaths	-	4	9	5
Male	na	na	na	na
Female	na	na	na	na
Marriages	na	na	na	na
Male	na	na	na	na
Female	na	na	na	na
Divorces	na	na	na	na
Male	na	na	na	na
Female	na	na	na	na

Source: Dzongkhag Health Sector & Court, Wangdue Phodrang Dzongkhag

Table 4. Adolescent Birth rate and Total fertility rate, WangduePhodrang, (2010)

Details	2010
Adolescent birth rate (age specific fertility rate for women age 15-19)	51
Total fertility rate	2.4

Source : BMIS, 2010

Table 5. Early Childbearing, Wangdue Phodrang, (2010)

Percentage of women age 15-19 who have had livebirth or who are pregnant with the first child; percentage of women age 15-19 who have begun childbearing before age 15, and the percentage of women age 20~24 who have had a live birth before age 18.

Details	2010
% of women age 15~19	
Have had a live birth	7.0
Are pregnant with first child	3.5
Have begun childbearing	10.5
Have had a live birth before 15	-
Number of women age 15~19	64.0
% of women age 20~24 who have had a live birth before age 18	14.4
Number of women age 20~24	99.0

Source : BMIS, 2010

Table 6. Use of Contraception, Wangdue Phodrang, (2010)

Percentage of Women age 15~49 Years Currently Married or in Union Who are using (or whose partner is using) a Contraceptive Method.

Details	
Not using any method	34.8
Percent of women (currently married or in union) who are using	
Female sterilization	8.2
Male sterilization	20.4
IUD	2.0
Injectables	22.2
Implants	0.4
Oral contraceptive Pill	6.3
Male condom	5.5
Female condom	-
Foam/ jelly	-
Lactational amenorrhoea method (LAM)	-
Periodic abstinence/ rhythm	0.2
Withdrawal	-
Other	-
Any modern method	65.0
Any traditional method	0.2
Any method	65.2
Number of women currently married or in union	394.0

Source : BMIS, 2010

Table 7. Antenatal Care Provider, Wangdue Phodrang, (2010)

Percent Distribution of Women Aged 15~49 Who Gave Birth in The Survey by Type of Personnel Providing Antenatal Care.

Details	2010
Persons providing antenatal care	
Doctor	41.9
Nurse/ midwife	
HA/ BHW	28.8
Assistant clinical officer (ACO)	0
Traditional birth attendant	0
Village health worker	0
Other/ missing	0
No antenatal care received	0.7
Total	100
At Least once by skilled personnel	99.3
Number of women who gave birth in the preceding 2 years	103

Source : BMIS, 2010

Table 8. Number of Antenatal Care Visits, Wangdue Phodrang, (2010)

Percentage of Women Who had a Live Births During the Two Years Preceding the Survey by Number of Antenatal Care Visits by Any Provider.

Details	2010
Percent of women who had	
No antenatal care visits	0.7
1 Visits	2.5
2 Visits	8.9
3 Visits	14.2
4 or more visits	72.6
Missing/ DK	1.1
Total	100
Number of women who gave birth in the preceding 2 years	103

Source : BMIS, 2010

Table 9. Assistance During Delivery, Wangdue Phodrang, (2010)

Percent Distribution of Women age 15-49 Who had a Live Birth in the Two Years Preceding the Survey by Person Assisting, at Delivery and Percentage of Births Delivered by C-section.

Details	2010
Person assisting at delivery	
Doctor	23.0
Nurse / Midwife	28.4
HA/BHW	9.0
Asst. clinical officer (ACO)	0.0
Traditional birth attendant	5.9
Village health worker	0.0
Relative / friend	33.7
Other/missing	0.0
No attendant	0.0
Total	100.0
Any skilled personnel	60.3
Percent delivered by C-section	12.0
Number of women who gave birth in preceding two years	103.0

Source : BMIS, 2010

Table 10. Place of Delivery, Wangdue Phodrang, (2010)

Percent Distribution of Women age 15-49 With a Birth in Two Years Preceding the Survey by Place of Delivery.

Details	2010
Place of delivery	
Public sector health facility	59.4
Private sector health facility	0
Home	40.6
Other	0
Total	100
Delivered in health facility [1]	59.4
Number of women who gave birth in preceding two years	103

Source : BMIS, 2010

Table 11. Health Infrastructures, Facilities and Personnel, Wangdue Phodrang, (2007 ~ 2010)

Details	2007	2008	2009	2010
Number of hospitals	1	1	1	1
Number of BHUs	10.0	10.0	10.0	10.0
BHU grade I	1.0	1.0	1.0	1.0
BHU grade II	9	9	9	9
Number of ORCs	23	23	23	23
Number of indigenous units	1	1	1	2
Number of doctors	2	2	2	2
Number of hospital/BHU beds	na	na	na	na
Persons per doctor	na	na	na	na
Persons per hospital bed	na	na	na	na
Total morbidity attendance	na	na	106	
Health assistants	4	4	16	17
Basic health workers	10	10	10	9
Sister and nurses	8	8	7	8
Technicians	7	7	5	4
Indigenous dungtsho	1	1	1	1
Indigenous compounders/Menpas	1	1	1	1
Malaria workers	0	0		
Village health workers	46	54	52	54
Number of children immunized				
Polio	604	na	707	669
DPTH	605	735	709	623
Measles	711	331	702	689
BCG	479	516	489	527
Others	185	315	407	609

note: ORC both Include those with and without Shed.

Source: Dzongkhag Health Sector, Wangdue Phodrang Dzongkhag

Table 12. Hospital Admission and Average Length of Stay, Wangdue Phodrang, (2007 ~ 2010)

Average admission	2007	2008	2009	2010
Hospital admission				
Total	1073	1428	1344	1485
Patient days	2662	4095	4640	4258
Average days	2.5	2.9	3.5	2.9
BHU admission	177	257	296	260

Source : Annual Health Bulletin, MoH

Table 13. Number of Surgeries, Wangdue Phodrang, (2007 ~ 2010)

Details	2007	2008	2009	2010
Surgeries				
Caesarian Section	0	0	0	0
General Abdominal	80	58	1	3
General Others	206	699	781	1737
Orthopaedic extremities	10	21	0	122
Orthopaedic Others	107	110	180	113
Gynaecology	0	4	0	36
ENT	57	46	170	42
Eye	41	55	146	35

Source : Annual Health Bulletin, MoH

Table 14. Number of Dental Services, Wangdue Phodrang, (2007 ~ 2010)

Dental Services	2007	2008	2009	2010
Prophylaxis	17	13	22	36
Scaling	10	6	12	9
Fillings	458	712	901	969
Extractions	536	683	782	9737
Others	512	450	618	274

Source : Annual Health Bulletin, MoH

Table 15: Number of Top Ten Morbidity, Wangdue Phodrang, (2007~ 2010)

Priority health problem/ Disease	2007	2008	2009	2010
Diarrhoea	n.a	4,427	6,664	3,998
Conjunctivitis	n.a	2,445	2,981	2,811
Dysentery	n.a	1,839	2,478	1,655
Typhoid	n.a	31	55	na
Sexually transmitted disease, excluding HIV/AIDS	n.a	15	70	55
Diabetes	n.a	89	111	63
Tuberculosis	n.a	7	6	19
Early syphilis	n.a	-	9	-
Cholera	n.a	1	-	-
Tetanus	n.a	-	-	-
Diphtheria	n.a	-	-	-
Pertussis	n.a	-	-	-

Source : Dzongkhag Health Sector, Wangdue Phodrang Dzongkhag

Table 16. Child Disability, Wangdue Phodrang, (2010)

Child Disability	2010
Percentage of children aged 2-9 years with reported disability	
by type of disability	
Delay in sitting standing or walking	5.4
Difficulty seeing, either in the daytime or at night	2.0
Appears to have difficulty hearing	2.8
No understanding of instructions	4.7
Difficulty in walking moving, moving arms, weakness or stiffness	4.6
Have fits, become rigid, lose consciousness	3.3
Not learning to do things like other children his/her age	5.7
No speaking cannot be understood in words	5.3
Appears mentally backward, dull, or slow	2.9
Speech is not normal	40.7
Number of children aged 3-9 years	404
Cannot name at least one object	23.4
Number of children aged 2 years	57.0
Percentage of children 2-9 years of age with at least one reported disability*	50.3
Number of children aged 2-9 years	461

Source: BMIS, 2010

Table 17. Nutritional Status of Children, Wangdue Phodrang, (2010)

Percentage of children under age 5 by nutritional status according to three anthropometric indices: weight for age, height for age, and weight for height

Nutritional Status		2010
Weight for age:	% below -2 sd [1]	11.0
Weight for age:	% below -3 sd [2]	1.3
Weight for age:	Mean Z-Score (SD)	-0.7
Weight for age:	Number of children	237
Height for age:	% below -2 sd [3]	28.7
Height for age:	% below -3 sd [4]	8.2
Height for age:	Mean Z-Score (SD)	-1.3
Height for age:	Number of children	231
Weight for height:	% below -2 sd [5]	3.7
Weight for height:	% below -3 sd [6]	1.8
Weight for height:	% above +2 sd 2.7	
Weight for height:	Mean Z-Score (SD)	-.0
Weight for height:	Number of children	237

Source: BMIS, 2010

Table 18. Initial Breastfeeding, Wangdue Phodrang, (2010)

Percentage of Last-Born Children in the 2 Years Preceding the Survey Who Were Ever Breastfed, Percentage Who Were Breastfed Within One Hour of Birth and Within One Day of Birth, and Percentage Who Received a Prelacteal Feed.

Initial Breastfeeding		2010
Percentage ever breastfed		100
Percentage who were first breastfed: Within one hour of birth		67.5
Percentage who were first breastfed: Within one day of birth		87.3
Percentage who received a prelacteal feed		21.3
Number of last-born children in the two years preceding the survey		103

Source: BMIS, 2010

Table 19. Duration of Breastfeeding, Wangdue Phodrang, (2010)

Median duration of any breastfeeding, exclusive breastfeeding, and predominant breastfeeding among children age 0-35 months.

Duration of Breastfeeding	2010
Median duration (in months) of	
Any breastfeeding	22.9
Exclusive breastfeeding	2.5
Predominant breastfeeding	3.0
Number of children age 0-35 months	155

Source: BMIS, 2010

Table 20. Low Birth Weight Infants, Wangdue Phodrang, (2010)

Percentage of Last-Born Children in the 2 Years Preceding the Survey That are Estimated to Have Weighed Below 2500 Grams at Birth and Percentage of Live Births Weighed at Birth.

Low Birth Weight Infants	2010
Percent of live births	
Below 2500 grams	10.0
Weighed at birth	60.5
Number of live births in the last 2 years	103

Source: BMIS, 2010

Table 21. Neonatal Tetanus Protection, Wangdue Phodrang, (2010)

Percentage of women age 15-49 years with a live birth in the last 2 years protected against neonatal tetanus.

Neonatal Tetanus Protection	2010
Percentage of Women Who Received at Least 2 Doses During Last Pregnancy	48.3
Percentage of women who did not receive two or more doses during last pregnancy but received	
2 doses, the last within prior 3 years	30.3
3 doses, the last within prior 5 years	0
4 doses, the last within prior 10 years	0
5 or more doses during lifetime	0
Protected against tetanus [1]	78.6
Number of women with a live birth in the last 2 years	103

Source: BMIS, 2010

Table 22. Solid Fuel Use, Wangdue Phodrang, (2010)

Percentage Distribution of Household Members According to Type of Cooking Fuel Used by the Household, and Percentage of Household Members Living in Households Using Solid Fuels for Cooking.

Solid Fuel Use	2010
Percentage of household members in households using	
Electricity	52
Liquefied Petroleum Gas (LPG)	16.7
Kerosene	0.1
Coal	0.4
Wood	30.4
Straw/Shrubs/Grass	0.4
No food cooked in household	0
Other	0
Total	100
Solid fuels for cooking	31.2
Number of household members	2841

Source: BMIS, 2010

Table 23. Use of Improved Water Sources, Wangdue Phodrang, (2010)

Percent distribution of household population according to main source of drinking water and percentage of household population using improved drinking water sources.

Water Sources	2010
Main source of drinking water	
Improved sources	
Piped into dwelling	17.3
Piped into compound	41.9
Piped to neighbor	6.8
Public outdoor tap	22.4
Protected well	0.1
Spring	1.6
Rainwater collection	0
Bottled water	0
Unimproved sources	
Unprotected well	0.3
Unprotected spring	1.3
Tanker-truck	0
Cart with small tank/drum	0
Surface water (river, stream, dam, lake, pond, canal, irrigation channel)	8.4
Other	0
Total	100
Percentage using improved sources of drinking water	90
Number of household members	2841

Source: BMIS, 2010

Table 24. Household Water Treatment, Wangdue Phodrang, (2010)

Percentage of Household Population by Drinking Water Treatment Method Used in the Household, and for Household Members Living in Households Where an Unimproved Drinking Water Source is Used, the Percentage Who are Using an Appropriate Treatment Method

Water Treatment	2010
Water treatment method used in the household	
None	9.9
Boil	66.3
Add bleach / chlorine	0
Strain through a cloth	1.3
Use water filter	14.2
Solar disinfection	0.1
Let it stand and settle	32.1
Other	0
Don't know	0
Number of household members	2841
Percentage of household members in households using unimproved drinking	51
Number of household members in households using unimproved drinking water	283

Source: BMIS, 2010

Table 25. Time to Source of Drinking Water, Wangdue Phodrang, (2010)

Percent Distribution of Household Population According to Time to go to Source of Drinking Water, Get Water and Return, for Users of Improved and Unimproved Drinking Water Sources

Time to Source of Drinking Water	2010
Time to source of drinking water	
Users of improved drinking water sources	
Water on premises	70.2
Less than 30 minutes	18.6
30 minutes or more	1.3
Missing/DK	0
Users of unimproved drinking water sources	
Water on premises	2.3
Less than 30 minutes	6.3
30 minutes or more	0.9
Missing/DK	0.4
Total	100
Number of household members	2841

Source: BMIS, 2010

Table 26. Types of Sanitation Facilities, Wangdue Phodrang, (2010)

Percent Distribution of Household Population According to Type of Toilet Facility Used by the Household

Time to Source of Drinking Water	2010
Type of toilet facility used by household	
Improved sanitation facility	
Flush toilet	0.2
Flush to septic tank(Without soak pit)	28.6
Flush to pit (latrine)	0.2
Flush to unknown place/not sure/DK where	0
Flush to septic tank (with soak pit)	4.2
Ventilated Improved Pit latrine (VIP)	0
Pit latrine with slab	38.3
Composing toilet	0
Unimproved sanitation facility	
Flush to somewhere else	0.1
Pit latrine without slab /open pit	24.7
Long drop latrine	1.4
Bucket	0
Other	0
Missing	0
Open defecation (no facility, bush, field)	0
No facility,bush, field	2.4
Total	100
Number of household members	2841

Source: BMIS, 2010

Table 27. Number of Schools, Institutions, Teachers and Students, Wangdue Phodrang, (2008 ~ 2011)

Details	CPS	PS	LSS	MSS	HSS	College	Pvt.	Other Inst. Centres	NFE Daycare Centres	Total
2008										
Number of schools and institutions	20	1	3	2	1	0	0	0	1	28
Teaching staff	130.0	34.0	76.0	39.0	33.0				39	351
Bhutanese	114	29	47	32	26	-	-	-	39	287
Male	79	10	24	22	20	-	-	-	14	169
Female	35	19	23	10	6	-	-	-	25	118
Non-Bhutanese	-	-	2	6	5	-	-	-	-	13
Male	-	-	2	6	5	-	-	-	-	13
Female	-	-	-	-	-	-	-	-	-	-
Temporary teachers	-	1	5	-	-	-	-	-	-	6
Male	-	1	3	-	-	-	-	-	-	4
Female	-	-	2	-	-	-	-	-	-	2
Number of students	4,836	956	2,162	809	517	-	-	-	-	9,280
Male	2,072	455	1,038	388	274	-	-	-	-	4,227
Female	2,764	501	1,124	421	243	-	-	-	-	5,053
Student to teacher ratio	42.42	32.97	44.12	21.29	16.68	-	0	-	-	31
2009										
Number of schools and institutions	20	1	3	2	1	0	0	0	0	28
Teaching staff	128	46	71	57	37	0	0	0	0	339
Bhutanese	115	46				-	-	-	-	161
Male	86	19				-	-	-	-	105
Female	29	27				-	-	-	-	56

Non-Bhutanese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Temporary teachers	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	0
Male	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	0
Female	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	0
Number of students	3,004	954	2,090	881	503														7,432
Male	1,390	473	1,000	397	267														3,527
Female	1,614	481	1,090	484	236														3,905
Student to teacher ratio	23.47	20.74	29.44	15.46	13.59														102.7
2010																			
Number of schools and institutions	20	1	3	1	2														28
Teaching staff	95	57	40	33	72														
Bhutanese	105	57	40	29	54														285
Male	75	26	18	18	29														166
Female	30	31	22	7	25														115
Non-Bhutanese	-	-	-	2	9														11
Male	-	-	-	1	8														9
Female	-	-	-	1	1														2
Temporary teachers	na	na	na	na	na														0
Male	na	na	na	na	na														0
Female	na	na	na	na	na														0
Number of students	1,282	622	1,912	2,139	675														6,630
Male	649	294	884	1,007	346														3,180
Female	633	328	1,028	1,132	329														3,450
Student to teacher ratio	13.49	10.91	47.80	64.82	9.38														

Table 28. School Enrolment by Grade and Sex, Wangdue Phodrang, (2008~2011)

Class	2008	2009	2010	2011
Primary level				
Total	4,730	4,692	4,425	4,852
Class PP	878.0	830.0	810.0	898
Class I	842.0	854.0	765.0	805
Class II	906	784	784	807
Class III	760	857	740	808
Class IV	713	744	759	786
Class V	631	623	567	748
Class VI	561	562	547	613
Male				
Total	2,271	2,787	2,279	2,401
Class PP	435	474	435	481
Class I	414	533	373	400
Class II	454	483	438	378
Class III	370	521	385	423
Class IV	317	433	367	379
Class V	281	343	281	340
Class VI	256	340	222	289
Female				
Total	2,459	3,005	2,146	2,451
Class PP	443	529	417	
Class I	428	497	392	405
Class II	452	481	346	429
Class III	390	557	355	385
Class IV	396	482	392	407
Class V	350	459	286	408
Class V	305	418	325	324
Secondary level				
Total	2,061	3,247	2,122	2,389
Class VII	571	994	438	626
Class VIII	458	874	451	527
Class IX	433	460	531	521
Class X	353	662	414	427
Class XI	115	139	164	127
Class XII	131	118	124	161

Male	1,000	1,400	967	1,050
Class VII	256	464	190	242
Class VIII	212	376	180	227
Class IX	196	213	230	233
Class X	187	186	202	189
Class XI	70	88	87	76
Class XII	79	73	78	83
Female	1,061	1,580	1,155	1,339
Class VII	315	530	248	384
Class VIII	246	498	271	300
Class IX	237	247	301	288
Class X	166	209	212	238
Class XI	45	51	77	51
Class XII	52	45	46	78

Source: Dzongkhag Education Sector, Wangdue Phodrang, Dzongkhag

Table 29. Student by Age-Group, Sex and by Level, Wangdue Phodrang, (2008~2011)

Details	2008	2009	2010	2011
Students in primary school level (Class PP-VI)				
Total				
Age < 6 years	na	6	18	116
Age 6-12 years	na	3,170	4,316	4,193
Age 13 & above	na	685	731	818
Male			na	
Age < 6 years	na	1	8	56
Age 6-12 years	na	1,507	2,111	2,178
Age 13 & above	na	288	302	388
Female		na		
Age < 6 years	na	5	10	60
Age 6-12 years	na	1,763	2,205	2,015
Age 13 & above	na	397	429	430
Student in LSS level (Class VII-VIII)	na			
Total			na	na
Age < 13 years	na	na	37	47
Age 13-14 years	na	na	330	444

Age 15 & above		na	na	482	635
Male	na	na			
Age < 13 years		na	na	16	22
Age 13-14 years		na	na	135	199
Age 15 & above		na	na	225	298
Female			na	na	
Age < 13 years		na	na	21	25
Age 13-14 years		na	na	195	245
Age 15 & above		na	na	257	337
Students in MSS level (Class IX-X)					
Total				na	na
Age < 15 years		na	na	26	27
Age 15-16 years		na	na	323	269
Age 17 & above		na	na	598	377
Male				na	
Age < 15 years		na	na	18	16
Age 15-16 years		na	na	133	136
Age 17 & above		na	na	291	267
Female			na	na	
Age < 15 years		na	na	7	11
Age 15-16 years		na	na	190	133
Age 17 & above		na	na	307	110
Students in HSS level (Class XI-XII)		na	na	na	na
Total		na	na	na	na
Age < 17 years		na	na	18	9
Age 17-18 years		na	na	137	129
Age 19 & above		na	na	142	148
Male					
Age < 17 years		na	na	9	5
Age 17-18 years		na	na	68	58
Age 19 & above		na	na	96	95
Female			na	na	
Age < 17 years		na	na	9	5
Age 17-18 years		na	na	69	71
Age 19 & above		na	na	46	53

Source : Education Sector, Wangdue Phodrang, Dzongkhag

Table 30. Literacy Among Young Women, Wangdue Phodrang, (2010)

Literacy Among Young Women	2010
Percentage literate	34.6
Percentage not known	0
Number of women age 15-24 years	164

Source: BMIS, 2010

Table 31. School Readiness, Wangdue Phodrang, (2010)

Percentage of children attending first grade of primary school who attended pre-school the previous year.

School Readiness	2010
Percentage of children attending first grade who attended preschool in previous year	1.2
Number of children attending first grade of primary school	85

Source: BMIS, 2010

Table 32. Primary School Entry, Wangdue Phodrang, (2010)

Percentage of Children of Primary School Entry Age Entering Grade 1 (net intake rate)

Primary School Entry	2010
Percentage of children of primary school entry age entering grade 1	55.9
Number of children of primary school entry age	65

Source: BMIS, 2010

Table 33. Children Reaching Last Grade of Primary School, Wangdue Phodrang, (2010)

Percentage of children entering first grade of primary school who eventually reach the last grade of primary school (Survival rate to last grade of primary school)

Details	2010
Percent attending grade 1 last year who are in grade 2 this year	100
Percent attending grade 2 last year who are attending grade 3 this year	96.3
Percent attending grade 3 last year who are attending grade 4 this year	97
Percent attending grade 4 last year who are attending grade 5 this year	96.6
Percent attending grade 5 last year who are attending grade 6 this year	97.7
Percent who reach grade 6 of those who enter grade 0	88.1

Source: BMIS, 2010

Table 34. Education Gender Parity, Wangdue Phodrang, (2010)

Education gender parity Ratio of adjusted net attendance ratios of girls to boys, in primary and secondary school

Education Gender Parity	2010
Primary school adjusted net attendance ratio (NAR), girls	87
Primary school adjusted net attendance ratio (NAR), boys	84.9
Gender parity index (GPI) for primary school adjusted NAR	1.02
Secondary school adjusted net attendance ratio (NAR), girls	47.5
Secondary school adjusted net attendance ratio (NAR), boys	35.6
Gender parity index (GPI) for secondary school adjusted NAR	1.33

Source: BMIS, 2010

Table 35. Summary of Crime Reports by Nature of Crime, Wangdue Phodrang, (2009 ~ 2011)

Nature of Crime	(Incident)		
	2009	2010	2011
Attempt, aiding and abetting, solicitation and criminal conspiracy	na	na	na
Homicide	na	na	na
Assault, battery and related offences	na	na	na
Kidnapping and related offences	na	na	na
Sexual offence	na	na	na
Offence against infant, child, mentally disabled and incompetent person	na	na	na
Arson and related offences	na	na	na
Burglary, trespass and related offences	na	na	na
Larceny, robbery, armed robbery and related offences	na	na	na
Money laundering and smuggling	na	na	na
Embezzlement and bribery	na	na	na
Forgery and related offences	na	na	na
Defamation and related offences	na	na	na
Treason, terrorism and related offences	na	na	na
Offences against cultural and national heritage	na	na	na
Offences against judicial authority	na	na	na
Prostitution and related offences	na	na	na
Offences against the public welfare	na	na	na
Offences related to public and civic duties	na	na	na
Offences related to public order and tranquillity	na	na	na
Offences against privacy	na	na	na
Computer offences	na	na	na
Offences related to firearms and weapons	na	na	na
Offences related to protected species, controlled and other harmful substances	na	na	na
Motor vehicle offences	na	na	na
Others	na	na	na
Total crimes			

Source: Royal Bhutan Police, Wangdue Phodrang, Dzongkhag

Table 36. Monthly Motor Vehicle Accidents, Wangdue Phodrang, (2009~ 2011)

Month	2009	2010	2011
January	na	2	na
February	na	1	na
March	na	1	na
April	na		na
May	na	1	na
June	na		na
July	na	1	na
August	na	1	na
September	na	2	na
October	na	1	na
November	na	2	na
December	na	1	na
Total	na	13	na

Source: Royal Bhutan Police, Wangdue Phodrang, Dzongkhag

Table 37. Causes of Motor Vehicle Accidents, Wangdue Phodrang, (2009~2011)

Details	2009	2010	2011
Mechanical fault	na	1	na
Drunk driving	na	1	na
Bad weather	na	1	na
Without licence	na	0	na
Unknown causes	na	0	na
Other causes	na	6	na
All causes	na	9	na

Source: Royal Bhutan Police, Wangdue Phodrang Dzongkhag

Table 38. Attitudes Toward Domestic Violence, Wangdue Phodrang, (2010)

Details	2010
Percentage of women age 15-49 years who believe a husband is justified in beating his wife/partner	
If goes out without telling him	31.1
If she neglects the children	47.3
If she argues with him	43.1
If she refuses sex with him	20.2
If she burns the food	15.8
For any of these reasons	70.9
Number of women age 15-49 years	562

Source: BMIS, 2010

Table 39. Land Area and Damages Caused by Types, Wangdue Phodrang, (2007 ~ 2010)

Details	2007	2008	2009	2010
Dzongkhag area (Sq. Km)	4,308	4,308	4,308	4,308
Total cultivated land (Acres) ¹		3,287	na	na
Damages caused by landslides ²	na	na	na	na
Farmland (acres)	na	na	na	na
Houses (Number)	na	na	6	3
Roads (Km)	na	na		na
Damages caused by floods ²	na	na		na
Farmland (acres)	na	na		na
Houses (Number)	na	na	1	0
Roads (Km)	na	na		-
Crops affected by drought (acres)	na	na		na
Crops damaged by wild animals (acres)	na	na		na
Incidence of earthquake (Number of cases reported) ²	na	na	4	4
Houses damaged by earthquakes (Number)	na	na	16	14
Number of forest fires ³	na	na		na
Acreage destroyed by forest fires	na	na		na
Acreage of reforestation ³	na	na		na
Houses/structures damaged by fires (Number) ³	na	na	2	5

Source: 1 Agriculture Sector, 2 Environment Sector, 3 Forest Sector, Wangdue Phodrang

Table 40. Average Monthly Temperature (Degree Centigrade), Wangdue Phodrang, (2010)

Month/ Temperature	(Degree Celsius)		
	Maximum	Minimum	Average
January	23	4	13
February	22	8	15
March	25	13	19
April	29	16	22
May	29	18	24
June	30	21	25
July	30	21	26
August	30	21	26
September	29	20	24
October	28	17	22
November	25	12	19
December	22	5	14
Annual	27	15	21

Source: SYB, NSB

Table 41. Average Monthly Rainfall, Wangdue Phodrang, (2010)

(Millimeter)Month/ Monthly Rainfall	Stations			
	Wangdue RNR	Nobding	Phobjikha	Samtengang
January	0	0	0	0.0
February	0	0	4	0.0
March	20	15	40	13.0
April	35	na	54	83.0
May	93	na	79	25.0
June	207	na	193	135.0
July	214	na	323	262.0
August	131	na	193	266.0
September	98	na	171	140.0
October	95	na	43	64.0
November	3	na	0	35.0
December	2	na	0	5.0
Annual total rainfall	898	15	1099	1028.0

Source: SYB, NSB

Table 42. Percentage of Forest Coverage, Number of Protected Spring and Lakes, Wangdue Phodrang, (2010)

Details	2010
Forest coverage (%) ²	72.0
Number of snow fall at Dzongkhag headquarter	0
Number of Protected spring water sources ¹	
Number of Lakes ¹	

Source: 1Dzongkhag Forest Section, 2Tenth Plan Documents, GNHC

Table 43. Disposal of Childs Faeces, Wangdue Phodrang, (2010)

Percent distribution of children age 0-2 years according to place of disposal of child's faeces, and the percentage of children age 0-2 years whose stools were disposed of safely the last time the child passed stools

Disposal of Childs Faeces	2010
Place of disposal of child's faeces	
Child used toilet / latrine	18.1
Put / Rinsed into toilet or latrine	26.9
Put / Rinsed into drain or ditch	45.8
Thrown into garbage (solid waste)	6.7
Buried	0.7
Left in the open	0.7
Other	1.1
Total	100
Percentage of children whose stools were disposed of safely	45
Number of children age 0-2 years	155

Source: BMIS 2010

Table 44. Parliamentarians and Local Government Representatives, Wangdue Phodrang, (2008 & 2011)

Details	2008	2011
Local governance (Number)		
Parliamentarians	3	3
Male	2	2
Female	1	1
Gups	15	15
Male	15	15
Female	-	
Total gewog tshogpas ¹	102	77
Male	102	
Female	-	
Total Mangmis ¹	15	15
Male	15	15
Female	-	
DYT members ²	37	37
Male	37	37
Female	-	
GYT members ¹	168	168
Male	168	
Female		
Polling stations ²	77	78
Eligible voters (18 years and above) ²		
Male	7,236	na
Female	7,968	na
% of Voters turnout during election		
Male	na	na
Female	na	na
Total election staff in Dzongkhag	3	3
Male	2	2
Female	1	1

Source: 1Gewog Administration, 2Election Sector, Wangdue Phodrang, Dzongkhag.

Table 45. Parliamentarians and Local Government Election Expenditures, Wangdue Phodrang, (2008 & 2011)

Details	Amount (Nu)
2008	
Parliamentarians (Number)	na
National council	na
National assembly	na
2011	
Local government	
Gup	na
Mangmi	na
Tsogpa	na

Source: Election Office, Wangdue Phodrang Dzongkhag

Table 46. Government Finance Expenditures, Wangdue Phodrang, (2009 ~ 2011)

Details Sectors	2008-2009		2009-2010		2010-2011	
	Current	Capital	Current	Capital	Current	Capital
		Total		Total		Total
Civil	61.8	26.9	88.7	n.a	n.a	n.a
Agriculture	35.5	30.8	66.3	n.a	n.a	n.a
Livestock	35.4	15.3	50.7	n.a	n.a	n.a
Forestry	14.3	8.2	22.5	n.a	n.a	n.a
Education	184.3	267.7	452.0	n.a	n.a	n.a
Health	52.7	24.5	77.2	n.a	n.a	n.a
Urban Development & Housing	4.4	81.4	85.8	n.a	n.a	n.a
Roads			-	n.a	n.a	n.a
Bhutan post			-	n.a	n.a	n.a
Telecommunication			-	n.a	n.a	n.a
Power			-	n.a	n.a	n.a
Trade & industry			-	n.a	n.a	n.a
Total			-	n.a	n.a	n.a
Total plan outlay	388.341	454.761	843.1	n.a	n.a	n.a

Source: Dzongkhag Administration, Wangdue Phodrang

Table 47. Dzongkhag 9th and 10th Five Year Plan Outlays, Wangdue Phodrang

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	69.3	33.3		235.0
Agriculture	40.8	45.1		77.6
Livestock	37.4	13.4		90.4
Forestry	14.3	21.0		48.7
Education	52.7	142.3		283.6
Health	184.3	12.8		201.7
Urban development & housing	11.7	24.5		775.6
Roads				
Bhutan post				
Telecommunication	4.4	62.5		
Power	12.0			
Trade & industry		33.30		
Total				82.8
Total plan outlay	414.8	355.8		1,795.4

Source:Dzongkhag Administration,Wangdue Phodrang

Table 48. Dzongkhag 9th and 10th Five Year Plan Expenditure, Wangdue Phodrang

(in million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	61.8	26.9	n.a	n.a
Agriculture	35.5	30.8	n.a	n.a
Livestock	35.4	15.3	n.a	n.a
Forestry	14.3	8.2	n.a	n.a
Education	184.3	267.7	n.a	n.a
Health	52.7	24.5	n.a	n.a
Urban development & housing	4.4	81.4	n.a	n.a
Roads				
Bhutan post				
Telecommunication				
Power				
Trade & industry				
Total plan expenditure	388.3	454.8	n.a	n.a

Source:Dzongkhag Administration,Wangdue Phodrang

Table 49. Gewog 9th and 10th Five Year Plan Outlays, Wangdue Phodrang

(In million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil				
Agriculture		26.596		113.840
Livestock		2.349		9.689
Forestry		3.799		9.490
Education		11.088		
Health	10.984	26.400		
Urban development & housing		12.801		
Roads		11.153		
Bhutan post				
Telecommunication				
Power				
Trade & industry				
Total		6.130		27.875
Total plan outlay	7.510	73.747		198.447

Source: Planning Unit, Wangdue Phodrang Dzongkhag

Table 50. Gewog 9th and 10th Five Year Plan by Expenditures, Wangdue Phodrang

(In million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil				
Agriculture	20.100	44.810	n.a	n.a
Livestock		1.758	n.a	n.a
Forestry		1.313	n.a	n.a
Education		12.745	n.a	n.a
Health		3.721	n.a	n.a
Urban development & housing		15.794	n.a	n.a
Roads & bridges				
Religion & cultural				
Telecommunication				
Power				
Trade & Industry				
Total				
Total plan outlay	20.100	7.510	n.a	n.a

Source: Dzongkhag Administration, Wangdue Phodrang

Table 51. Employed Persons by Age, Sex and Area of Residence, Wangdue Phodrang, (2008 ~ 2011)

Details	(Number)			
	2008	2009	2010	2011
Total	na	na	na	16,100
Male	na	na	na	8,300
Female	na	na	na	7,800
Rural Total	na	na	na	13,000
Male	na	na	na	6,700
Female	na	na	na	6,300
Urban Total	na	na	na	3,100
Male	na	na	na	1,900
Female	na	na	na	1,200

Source : Labour Force Survey, MoLHR

Table 52. Employment by Industries, Age Group and Sex, Wangdue Phodrang, (2009 ~ 2011)

Details	2009	2010	2011
Total labour force (Number)			
Total employed (%)	na	na	na
Male	na	na	na
Female	na	na	na
Unemployment rate	na	na	1.8
Total employed in Agriculture (%)	na	na	na
Male	na	na	na
Female	na	na	na
Total employed in Industries (%)	na	na	na
Male	na	na	na
Female	na	na	na
Total employed in Services (%)	na	na	na
Male	na	na	na
Female	na	na	na
Total unemployed by area (%)	na	na	400.0
Urban	na	na	na
Rural	na	na	na
Total un-employed by education (%)	na	na	na
Total unemployed grade XII and above	na	na	na
Total unemployed below grade XII	na	na	na
Total under employed (%)	na	na	na
Employed by age-group (%)	na	na	na
15-17 years	na	na	na
18-24 years	na	na	na
25-64 years	na	na	na
65 years and above	na	na	na
Unemployed by age-group (%)	na	na	na
15-17 years	na	na	na
18-24 years	na	na	na
25-64 years	na	na	na
65 years and above	na	na	na
Labor force participation rate (%)	na	na	na
Male participation rate	na	na	na
Female participation rate	na	na	na

Source : Labour Force Survey, MoLHR

Table 53. Child Labour, Wangdue Phodrang, (2010)

Percentage of Children by Involvement in Economic Activity and Household Chores During the Past Week, According to Age Groups, and Percentage of Children Age 5-14 Involved in Child Labour

Child labour	2010
Percentage of children age 5-11 involved in	
Economic activity	na
Working outside household	na
Paid work	0
Unpaid work	0.9
Working for family business	21.8
Economic activity for at least one hour	22.1
Household chores less than 28 hours	23.3
Household chores for 28 hours or more	0
Child labour	22.1
Number of children age 5-11	413
Percentage of children age 12-14 involved in	
Economic activity	na
Working outside household	na
Paid work	1
Unpaid work	Working for family business
44.2	Economic activity less than 14 hours
	42.8
	Economic activity for 14 hours or more
	1.4
	Household chores less than 28 hours
	55.1
	Household chores for 28 hours or more
	0
Child labour	1.4
	Number of children age 12-14
186	Total child labour [1]
	15.7
	Number of children age 5-14 years
	599

Source: BMIS, 2010

Table 54. Child Labour and School Attendance, Wangdue Phodrang, (2010)

Percentage of children age 5-14 years involved in child labour who are attending school, and percentage of children age 5-14 years attending school who are involved in child labour

Child Labour and School Attendance	2010
Percentage of children involved in child labour	
Percentage of children attending school	
Number of children age 5-14 years	
Percentage of child labourers who are attending school	
Number of children age 5-14 years involved in child labour	
Percentage of children attending school who are involved in child labour	
Number of children age 5-14 years attending school	

Source: BMIS,2010

Table 55. Agriculture Production and Average Prices by Commodities, Wangdue Phodrang, (2007 ~ 2010)

Details	2007	2008	2009	2010
Paddy				
Area (Acres)	3,824	3,708	5437	13,092
Production (MT)	5,009.9	6,542	5837	7,645.3
Price per Kg(Nu.)				
Maize				
Area (Acres)	478	337.4	452	294
Production (MT)	374	295.2	323	0.7
Price per Kg(Nu.)				
Wheat				
Area (Acres)	1,599	1,350	1676	1,909
Production (MT)	577	948.8	666	756.5
Price per Kg(Nu.)				
Barley				
Area (Acres)	945	342.0	422	311
Production (MT)	495	227.9	193	94.8
Price per Kg(Nu.)				
Buckwheat				
Area (Acres)	589	355.5	749	755
Production (MT)	26	212.5	250	310.7
Price per Kg(Nu.)				
Millet				
Area (Acres)	106	58.7	71	202

Production (MT)	16	37.2	29	22.4
Price per Kg(Nu.)				
Fruits				
Apples				
Number of fruit bearing trees	3,882	1,570	2282	na
Production (Kg)	101,741	36,310	36000	na
Price per Kg(Nu.)				
Oranges/ Mandarin				
Number of fruit bearing trees	13,778	12,480	19390	na
Production (Kg)	354,723	206,000	312000	na
Price per Kg(Nu.)				
Banana				
Number of fruit bearing trees	867		5750	na
Production (Kg)	6,671		42000	na
Price per Dozen(Nu.)				
Pear				
Number of fruit bearing trees	1,865	930	1095	na
Production (Kg)	45,566	42,700	37000	na
Price per Kg(Nu.)				
Plum				
Number of fruit bearing trees	427	190	533	na
Production (Kg)	4,835	13,320	21000	na
Price per Kg(Nu.)				
Areca Nut				
Production (Pon)		-	0	na
Production (Nu.)		-	0	na
Price per 80 Piece/ Pon(Nu.)		-	0	na
Vegetables and Spices				
Potato				
Production (kg)	1,918	9,273	17117000	na
Production (Nu.)	19,180	92,730		na
Price per Kg(Nu.)				na
Chili				
Production (kg)	334	454.4	608000	na
Production (Nu.)	26,720	18,176		na
Price per Kg(Nu.)		40		na
Onion				
Production (kg)	34	14,360	39000	na
Production (Nu.)	850	287,200		na

Price per Kg(Nu.)		20		na
Cabbage				
Production (kg)	42	8,860	231000	na
Production (Nu.)	1,470	177,200		na
Price per Kg(Nu.)		20		na
Cauliflower				
Production (kg)	8	870	28000	na
Production (Nu.)	320	26,100		na
Price per Kg(Nu.)		30		na
Asparagus				
Production (Bundles)	21	3,410	24892	na
Production (Nu.)	630	85,250		na
Price per bunddle (Nu.)	25	25		na
Tomato				
Production (Kg)	59		58000	na
Production (Nu.)	1,180			na
Price per Kg(Nu.)	20	20		na
Carrot				
Production (Kg)	30	270	31000	na
Production (Nu.)	900	10,800		na
Price per Kg(Nu.)	30	40		na
Egg Plant (Brinjal)				
Production (Kg)	5		36000	na
Production (Nu.)	160			na
Price per Kg(Nu.)	20			na
Raddish				
Production (Kg)	42	21,010	1405000	na
Production (Nu.)	630	315,150		na
Price per Kg(Nu.)	15	15		na
Ginger				
Production (Kg)	26	1,890	14240	na
Production (Nu.)	1,800	75,600		na
Price per Kg(Nu.)	50	40		na
Cardamom		284800		
Production (Kg)				na
Production (Nu.)				na
Price per Kg(Nu.)				na
Garlic				
Production (Kg)	35	15,430	36000	na

Production (Nu.)		385,750		na
Price per Kg(Nu.)		25		na
Oil seeds and legumes				na
Lentils				
Production (Kg)				na
Production (Nu.)				na
Price per Kg(Nu.)				na
Mustards				
Production (Kg)	369	170	103000	na
Production (Nu.)				na
Price per Kg(Nu.)				na
Beans				
Production (Kg)	94	42,270	90000	na
Production (Nu.)	2,350	1056750		na
Price per Kg(Nu.)	25	25		na

Source: Agriculture Sector, Wangdue Phodrang Dzongkhag

Table 56. Agriculture Infrastructures and Other Facilities ,Wangdue Phodrang, (2007 ~ 2010)

Details	2007	2008	2009	2010
Irrigation for agriculture				
Number of irrigation channels	n.a			115
Functional	n.a			
Non-Functional	n.a			
Total length of channels (Km)	n.a			500
Area covered by irrigation (Acres)	n.a		6,052	6,146
Number of households benefitted	n.a		2,490	2,548
Number of food processing units	n.a		8	1
Number of agriculture mills ¹	n.a	386	386	418
Number of livestock product processing units	n.a	n.a	3	3
Number of farmer association/groups	n.a	n.a	2	14
Agriculture	n.a	n.a	9	8
Livestock	n.a	n.a	5	6
Forestry	n.a	n.a		
Number of power tillers	n.a	341	341	380

Note: ¹Including two traditional mills

Source: Agriculture Sector, Wangdue Phodrang Dzongkhag

Table 57: Agricultural Production by Types, Wangdue Phodrang, (2007~2010)

Details	2007	2008	2009	2010
Paddy				
Area (Acres)	3824	3,708	5437	13,092
Production (MT)	5009.9379	6,542	5837	7,645.3
Maize				
Area (Acres)	478.3	337.4	452	294
Production (MT)	373.576	295.2	323	0.7
Wheat				
Area (Acres)	1599	1,350	1676	1,909
Production (MT)	877.4056	948.8	666	756.5
Barley				
Area (Acres)	944.5	342.0	422	311
Production (MT)	495.259	227.9	193	94.8
Buckwheat				
Area (Acres)	589	355.5	749	755
Production (MT)	26.4406	212.5	250	310.7
Millet				
Area (Acres)	105.9	58.7	71	202
Production (MT)	16.306	37.2	29	22.4
Fruits				
Apples				
Number of fruit bearing trees	3882.4	1,570	2282	
Production (Kg)	101740.6	36,310	36000	
Oranges/ Mandarin				
Number of fruit bearing trees	13778.2	12,480	19390	
Production (Kg)	354723	206,000	312000	
Banana				
Number of fruit bearing trees	867		5750	
Production (Kg)	6670.9		42000	
Pear				
Number of fruit bearing trees	1865	930	1095	
Production (Kg)	45565.5	42,700	37000	
Plum				
Number of fruit bearing trees	427.3	190	533	
Production (Kg)	4834.6	13,320	21000	
Areca Nut				
Number of fruit bearing trees	-	-	0	

Production (Pon)	-	-	0
Production (Nu.)	-	-	0
Vegetables and Spices			
Potato			
Production (kg)	1,918	9,273	17117000
Production (Nu.)	19,180		
Chili			
Production (kg)	334	454.4	608000
Production (Nu.)	26,720		
Onion			
Production (kg)	34	14,360	39000
Production (Nu.)	850		0
Cabbage			
Production (kg)	42	8,860	231000
Production (Nu.)	1,470		
Cauliflower			
Production (kg)	8	870	28000
Production (Nu.)			
Asparagus			
Production (Bundles)	21	3,410	24892
Production (Nu.)			
Tomato			
Production (Kg)	59		58000
Production (Nu.)			
Carrot			
Production (Kg)	30	270	31000
Production (Nu.)			
Egg Plant (Brinjal)			
Production (Kg)	32		36000
Production (Nu.)			
Raddish			
Production (Kg)	234	21,010	1405000
Production (Nu.)			
Ginger			
Production (Kg)	26	1,890	14240
Production (Nu.)			
Cardamom			
Production (Kg)	-		284800
Production (Nu.)	-		

Garlic			
Production (Kg)	35	15,430	36000
Production (Nu.)			
Oil seeds and legumes			
Lentils			
Production (Kg)			
Production (Nu.)			
Mustards			
Production (Kg)	369	170	103000
Production (Nu.)			
Beans			
Production (Kg)	94	42,270	90000
Production (Nu.)			

Source: Agriculture Sector, Wangdue Phodrang Dzongkhag

Table 58: Livestock Population by Types, Wangdue Phodrang, (2007~2010)

Details	2007	2008	2009	2010
Livestock (Number)				
Cattle				
Local breed	2,843	14,591	17,274	16,760
Male	1,386	5,698	6,822	6,301
Female	1,457	8,893	10,452	10,459
Improved breed	-	-	2,668	2,962
Male			758	822
Female			1,910	2,140
Mithun	2,468	2,081		2,106
Bufallo				
Male				
Female				
Horse	1,409	918	932	891
Local breed	1,067	817	897	852
Improved breed	342	101	35	39
Yak	2,339	-	2,738	2,844
Male	932		1,118	1,043
Female	1,407		1,620	1,801
Sheep	1,680	3,672	2,035	1,814
Local breed				
Improved breed				
Pig	1,912	1,845	1,501	1,341
Local breed	1,190	1,065	1,082	953
Improved breed	722	780	419	388
Poultry 4,884	4,728	5,058	9,880	
Local breed	3,812	3,639	4,384	4,940
Improved breed	1,072	1,089	674	4,940
Goat 341	379	336	1,133	

Note: Mithun includes Bamin, Jatsa & Jatsam

Source: Livestock Sector, Wangdue Phodrang Dzongkhag

Table 59: Livestock Productions, Wangdue Phodrang, (2007~2010)

Details	2007	2008	2009	2010
Livestock products				
Fresh Milk (Liters)	1,412,760	1,643,603	1,084,997	1,309,346
Butter (Kg)	157,300	94,170	79,620	63,446.25
Fresh Cheese (Kg)	726,180		144,145	162,725.3
Processed cheese (kg)		706,603	1,042	
Eggs (Dozen)	194,892	169,293	38,470	19,069.0
Fish (Kg) -	250	18,970	335.0	
Beef (Kg) 43,390	67,410	34,655	47,261.0	
Pork (Kg) 51,630	5,171	18,415	11,756.0	
Yak Meat (Kg)	6,190	27,685	15,446	3,190.0
Mutton (Kg)	-	-	-	558.0
Honey (Gm)	-	-	-	-
Chicken (Kg)	-	38	-	445.0

Source: Livestock Sector, Wangdue Phodrang Dzongkhag

Table 60. Forestry Production, Wangdue Phodrang, (2007 ~ 2010)

Details	2007	2008	2009	2010
Wood Forest Product ¹				
Log Form (Cft)	na	na	na	na
Fire wood (Cubic metres)	na	na	na	na
Flag Poles (Number)	6,733	4,517	na	na
Shinglap (Number of trees)	na	na	na	na
Cham (Number of trees)	na	na	na	na
Tsim (Number of trees)	na	na	na	na
Non-Wood Forest Product ²	na	na	na	na
Mushroom (Kg)	na	na	na	na
Mushroom (Nu.)	na	na	na	na
Medicinal and Aromatic plants (Kg)	na	na	na	na
Cordyceps (Kg)	na	na	na	237.7
Cordyceps (Nu.)	na	na	na	10,194,585
Sand (Truck load)	6,875	316	na	na
Stones (Truck load)	1,239	405	na	na
Bamboo (Number)	33,631	44,250	na	na
Cane (Bundles)	na	na	na	na
Lemon grass (Kg)	na	na	na	na
Mining Sites (Number)	na	na	na	na
Quarry Sites	na	na	na	na
Municipal Waste Disposal Sites	-	1	1	1
Environmental Clearance Issued	na	na	na	na

Note: Cordyceps amount collected only for auction royalty charges.

Source: 1Divisional Forest, 2Thromsingla National Park, Wangdue Phodrang

Table 61. Electricity Generating Stations and Capacities, Wangdue Phodrang, (2009 & 2010)

Stations	2009			2010		
	Installed capacity (no.x MW)	Generating capacity (MW)	Peak generation (MU)	Installed capacity (no.x MW)	Generating capacity (MW)	Peak generation (MU)
Hesothangka Mini Hydro Plant	3*100 KW	414.624 MU	na	3*100 KW	151.736	na
Rukubji Micro Hydro Plant	1*40 KW	57.115 MU	na	1*40 KW	57.115 MU	na
Diesel generation stations	na	na	na	na	na	na
Other diesel stations	na	na	na	na	na	na

Source : Department of Energy, MoEA,Wangdue Phodrang

Table 62. Number of Households by Area,Wangdue Phodrang, (2009 ~ 2011)

Details	2009	2010	2011
Total number of household in Urban	na	na	na
Total number of household in Rural	na	na	na

Source: BMIS, 2010

Table 63. Number of Building Permits issued by Towns, Wangdue Phodrang, (2009 ~ 2011)

new buildings	2009	2010	2011
New Bajo Town Ship	119	12	4
Nobding Town	na	4	3
Kamichu Town	na	na	na
RuriChhu Town	na	na	na

Source: Dzongkhag Municipal,Wangdue Phodrang Dzongkhag

Table 64. Number of Establishment by Type and Size, Wangdue Phodrang, (2009 ~ 2011)

Details	2009	2010	2011
Industries by type (Number)			
Agro based	2	na	na
Forestry based	17	na	na
Mineral based	16	na	na
Others	4	na	na
Industries by scale (Number)		na	na
Large	2	na	na
Medium	3	na	na
Small	44	na	na
Cottage	696	na	na
Contract firms (Number)		na	na
Large		na	na
Medium	22	na	na
Small	665	na	na

Source: Regional Trade Office, Wangdue Phodrang

Table 65. Number of Wholesale, Retail Trade and Industrial Licenses Issued, Wangdue Phodrang, (2007 ~ 2011)

Details	(Number)				
	2007	2008	2009	2010	2011
Trade and Industries					
Micro & retail trade licences issued	na	na	101	na	na
Micro & retail trade licences in operation	na	na	na	na	na
Wholesale trade licences issued	na	na	21	na	na
Wholesale trade licences in operation	na	na	21	na	na
Services licences issued	na	646	706	na	na
Services licences in operation	na	448	na	na	na
Manufacturing licenses issued	na	33	33	na	na
Manufacturing licenses in operation	na	28	na	na	na

Source: Regional Trade Office, Wangdue Phodrang

Table 66. Number of Public Transport and Facilities, Wangdue Phodrang, (2007 ~ 2011)

Details	(Number)				
	2007	2008	2009	2010	2011
Public Service Transport					
Busna	na	na	na	na	
Taxina	na	na	na	na	
Motor vehicle registration					
Heavy	na	na	na	na	na
Medium	na	na	na	na	na
Small	na	na	na	na	na
Two wheelerna	na	na	na	na	
Auto Mobile workshop ³	na	3	4	4	4
Bus stations 1	1	1	1	1	

Source: RSTA Regional Office, Wangdue Phodrang

Table 67: Roads and Bridges, Wangdue Phodrang, (2007~2011)

Details	2007	2008	2009	2010	2011
Roads (Length in Km)					
Farm roads ¹	71.3	84.8	111	111	111
Feeder roads ²	156	157.3	196.7	196.7	196.7
Forest roads ¹	26.6	26.6	71	75.6	75.6
Highways/Dzongkhag roads	94	94.3	87	90	90.53
Bridges (Number)					
Suspension bridge ¹		9.0	9	9	9
Suspended ¹	8.0	8	8	8	
Bailey bridges ²	10	10.0	10	10	10
Traditional bridges ¹					

Table 68. Telecommunications, Wangdue Phodrang, (2007 ~ 2011)

	(Number)				
Telecommunications	2007	2008	2009	2010	2011
Households with fixed telephone connections	1,070	1,027	463		na
Tashi cell users	na	na	na	na	na
B.mobile users	na	na	na	na	na
Community information centres	1.0	1.0	1	1	1
Gewogs accessible to mobile services 15.0	15.0	15	15	15	
Households with internet access	na	na	114	na	na
Bhutan post office	1	1	1	1	1

Source: Gewog Administration Office & Regional Office, Wangdue Phodrang Dzongkhag.

Table 69. Number of Establishment in Bnking and Finance, Wangdue Phodrang, (2009 ~ 2011)

	(number)		
Number of establishments	2009	2010	2011
RICBL	1	1	1
BDFCL	1	1	1
BNB	1	1	1
Druk PNB	0	0	1
T Bank	0	0	0
Bhutan insurance limited	0	0	1
BOB	1	1	1

Source: Financial Institutions, Wangdue Phodrang Dzongkhag

Table 70. Number of account holders in Banks, Wangdue Phodrang, (2010)

Number of facilities	Number of account holders (2010)				
	Loan	savings	current	fixed deposit	recurring deposit
RICB	na	na	na	na	na
BDFCL	na	na	na	na	na
BNB	na	na	na	na	na
PNB	na	na	na	na	na
T Bank	na	na	na	na	na
Bhutan insurance limited	na	na	na	na	na
BOB*	1091	9315	374	na	1451

note :* Deposit includes both fixed and recurring deposits.

Source: Financial Institutions, Wangdue Phodrang Dzongkhag

Table 71. Number of Administrative Units, Wangdue Phodrang, (2007 ~ 2011)

Details	2007	2008	2009	2010	2011
Administration (Number)					
Drungkhags	-	-	-	0	0
Gewogs	15	15	15	15	15
Chiwogs	113	113	113	113	na
Villages		244	244	244	na
Households		2,983			na
Towns		2	3	3	3
Number of Police stations		1	1	1	1

Table 72. Recreation, Tourist Visitors and Accommodation, Wangdue Phodrang, (2007 ~ 2011)

Details	2007	2008	2009	2010	2011
Number of children park	-	-	-	0	0
Number of hotels	na	na	na	na	na
Number of restaurants	na	na	na	na	na
Number of drayangs	-	-	-	0	0
Number of discotheques	-	-	-	0	0
Number of tourist visitors	na	na	na	na	na

Source: Administration Office, Wangdue Phodrang Dzongkhag



National Statistics Bureau
ROYAL GOVERNMENT OF BHUTAN

P.O. Box No. 338 Thimphu

Telephone No: +975-2-322753/333296/325402

Fax: +975-2-323069

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