



ANNUAL DZONGKHAG STATISTICS

2010



Dzongkhag Administration
PUNAKHA

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National Statistics Bureau

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First Issue
Catalogue No. 104

PUNAKHA DZONGKHAG



GEWOG CENTRE

Scale :1:160,000



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Preface

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

Punakha Dzongkhag has a total area of 1108.26 Sq. Km. The Dzongkhag consists of 11 Gewogs, Viz. Chhubu, Dzomi, Goenshari, Guma, Kabjisa, Lingmukha, Shengana, Talo, Toewang, Barb and Toep. The temperature varies from 35 degree Celsius to minus 4 degree Celsius and with an average annual rainfall of 1.5 mm (please you need to confirm this with punakha DSO). The altitude of the Dzongkhag ranges from 1200 metres to 4800 metres above the sea level.

The projected population of the Dzongkhag for the year 2009 is 25,205 out of which 12,793 are male and 12,411 are female. The Dzongkhag has total forest coverage of about 87,978 hectares, out of which 30% is coniferous, 42% is broad-leaved, 2% is scrub forest, 3% is pasture and 22% of the total area is cultivable land. There are 5314.77 acres of wetland and 721.54 acres of dry land.

The main cereal crops grown in the Dzongkhag are paddy, wheat, maize and mustard. Fruits such as persimmon, guavas, peaches, plums, pears and apples are also grown in the Dzongkhag. The vegetables like chilies, radish, cabbages, brinjals, green leaved vegetables and tomatoes are also cultivated. Dzongkhag has a good network of feeder and farm roads that provide easy access to the market.

The Dzong which is located at the confluence of Phochu and Mochu was built by Zhabdrung Ngawang Namgyel in 1637. It was named as Pungthang Dechen Phodrang Dzong and had been the winter capital until 1955. It is now the winter residence of the Je Khenpo and the Central Monk Body. The Machey of Zhabdrung Ngawang Namgyal is also preserved and guarded with great devotion and reverence in the Machey Lhakhang. The Punakha Dzong has always been an attraction for tourists because of its rich historical background.

Abbreviations

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

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ISBN-978-99936-28-08-8

TABLE 1.1: GENERAL INFORMATION, PUNAKHA, 2005 TO 2009

Details	2005	2006	2007	2008	2009
Dzongkhag area (Sq. Km)	974	974	974	1108.26	1108.26
Population (Number)*	17,715	23,890	24,325	24,762	25,205
Population density (Persons per Sq. Km)	18.00	24.52	25.00	22.34	22.74
Population sex ratio	103	103.92	103.6	103.33	103
Administration (Number)					
Drungkhags	0	0	0	0	0
Gewogs	9	9	9	11	11
Chiwogs	64	64	66	79	79
Villages	127	127	127	148	148
Households	3387	n.a	n.a	n.a	n.a
Towns	1	1	1	1	1

Source: Gewog Administration and PHCB 2005

Note: * Dzongkhag Population Projections 2006-2015

TABLE 1.2 : LOCAL GOVERNANCE, PUNAKHA, 2007 TO 2009

Details	2007	2008	2009
Local governance (Number)			
Total Gewog Tshogpas	66	79	79
Male	n.a	67	67
Female	n.a	13	13
Total Mangmis	9	11	11
Male	9	11	11
Female	0	0	0
Total Chupons	71	85	85
Male	n.a	69	69
Female	n.a	16	16
DYT members	23	23	23
Male	23	23	23
Female	0	0	0
GYT members	96	101	101
Male	n.a	88	88
Female	n.a	13	13
Polling stations	n.a	30	30
Eligible voters (18 years and above)	n.a	12582	12582
Male	n.a	6224	6224
Female	n.a	6358	6358
Parliamentarians	n.a	3	3
Male	n.a	3	3
Female	n.a	0	0
Total Dzongkhag Adm. Staff *	n.a	544	645
Male	n.a	363	390
Female	n.a	181	255
Police stations	1	2	2

Source: Dzongkhag and Geog Administration, Punakha

Note: *Dzongkhag staff includes all GSP and ESP staffs

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

Age-group by sex	2005	2006	2007	2008	2009	2010
Total	17,715	25,896	26,332	26,770	25,205	25,650
0-4	1,714	2,529	2,695	2,859	3,023	3,183
5-9	2,060	2,486	2,427	2,377	2,336	2,304
10-14	2,087	2,675	2,640	2,599	2,555	2,511
15-19	2,625	2,629	2,645	2,658	2,663	2,656
20-24	1,614	2,468	2,496	2,520	2,542	2,564
25-29	1,320	2,212	2,262	2,307	2,349	2,388
30-34	1,067	1,839	1,907	1,977	2,045	2,110
35-39	918	1,536	1,582	1,627	1,678	1,735
40-44	778	1,248	1,296	1,347	1,398	1,448
45-49	823	1,028	1,058	1,089	1,124	1,163
50-54	660	848	872	899	926	954
55-59	537	696	713	731	752	773
60-64	546	562	575	587	602	618
65+	966	1,132	1,157	1,185	1,193	1,244
Male	8,989	12,174	12,378	12,584	12,793	13,002
0-4	838	1,233	1,315	1,396	1,477	1,556
5-9	1,071	1,219	1,188	1,162	1,141	1,124
10-14	1,033	1,322	1,302	1,280	1,257	1,233
15-19	1,305	1,318	1,320	1,322	1,321	1,314
20-24	912	1,276	1,282	1,285	1,288	1,291
25-29	632	1,163	1,187	1,208	1,226	1,241
30-34	514	979	1,012	1,047	1,080	1,111
35-39	453	820	845	869	895	924
40-44	395	658	685	714	743	771
45-49	401	536	552	569	588	610
50-54	357	440	453	467	481	496
55-59	273	359	368	377	388	399
60-64	292	287	294	300	308	316
65+	513	564	575	588	601	615
Female	10,731	13,722	13,954	14,186	12,411	14,658
0-4	876	1,296	1,380	1,463	1,546	1,627
5-9	989	1,267	1,239	1,215	1,195	1,180
10-14	1,054	1,353	1,338	1,319	1,298	1,278
15-19	1,320	1,312	1,325	1,336	1,342	1,342
20-24	702	1,192	1,214	1,235	1,255	1,274
25-29	688	1,048	1,075	1,099	1,123	1,147
30-34	553	861	895	930	965	998

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

Age-group by sex	2005	2006	2007	2008	2009	2010
35-39	465	716	737	758	783	810
40-44	383	591	611	633	655	677
45-49	422	492	506	520	536	554
50-54	303	408	419	432	445	458
55-59	264	336	345	354	364	374
60-64	254	274	281	287	295	302
65+	453	570	582	597	612	627

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, PUNAKHA, 2008 TO 2010

Details	GPS	PS	ISS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
2008											
Number of schools and institutions	10	2	4	3	1	0	1	1	n.a	0	22
Teaching staff											0
Bhutanese	61	30	67	69	31	0	0	n.a	n.a	0	258
Male	39	16	39	31	20	0	0	n.a	n.a	0	145
Female	22	14	28	38	11	0	0	n.a	n.a	0	113
Non-Bhutanese	0	0	5	10	11	0	0	n.a	n.a	0	26
Male	0	0	3	7	8	0	0	n.a	n.a	0	18
Female	0	0	2	3	3	0	0	n.a	n.a	0	8
Temporary teachers	0	0	0	0	0	0	0	n.a	n.a	0	0
Male	0	0	0	0	0	0	0	n.a	n.a	0	0
Female	0	0	0	0	0	0	0	n.a	n.a	0	0
Number of students	1,244	726	1,843	1,826	722	0	804	70	n.a	0	7,235
Male	608	348	817	859	363	0	425	54	n.a	0	3,474
Female	636	378	1,026	967	359	0	379	16	n.a	0	3,761
Student to teacher ratio	20	24	26	23	17	0	n.a	n.a	n.a	0	25
2009											
Number of schools and institutions	10	2	4	3	1	1	1	1	n.a	1	
Teaching staff											

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

Details	CPS	PS	LSS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
Bhutanese	60	29	73	66	31	n.a	n.a	n.a	n.a	n.a	259
Male	40	16	44	32	19	n.a	n.a	n.a	n.a	n.a	151
Female	20	13	29	34	12	n.a	n.a	n.a	n.a	n.a	108
Non-Bhutanese	0	0	5	11	11	n.a	n.a	n.a	n.a	n.a	27
Male	0	0	3	7	8	n.a	n.a	n.a	n.a	n.a	18
Female	0	0	2	4	3	n.a	n.a	n.a	n.a	n.a	9
Temporary teachers	0	0	0	0	0	n.a	n.a	n.a	n.a	n.a	0
Male	0	0	0	0	0	n.a	n.a	n.a	n.a	n.a	0
Female	0	0	0	0	0	n.a	n.a	n.a	n.a	n.a	0
Number of students	1,275	692	1,911	1,899	666	73	866	95	n.a	n.a	7,477
Male	649	330	820	876	362	55	434	61.0	n.a	n.a	3,587
Female	626	362	1,091	1,023	304	18	432	34.0	n.a	n.a	3,890
Student to teacher ratio	21	24	25	25	16	n.a	n.a	n.a	n.a	n.a	110
2010											0
Number of schools and institutions	10	2	4	4	1	1	1	1	28	1	53
Teaching staff											
Bhutanese	77	28	83	86	32	26	28	11	28	2	401
Male	51	17	54	42	20	21	23	8	9	0	245
Female	26	11	29	44	12	5	5	3	19	2	156

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

Details	CPS	PS	LSS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
Non-Bhutanese	0	0	10	15	10	0	13	4	0	0	52
Male	0	0	5	8	7	0	10	4	0	0	34
Female	0	0	5	7	3	0	3	0	0	0	18
Temporary teachers	0	0	0	0	0	0	0	0	0	0	0
Male	0	0	0	0	0	0	0	0	0	0	0
Female	0	0	0	0	0	0	0	0	0	0	0
Number of students	1,282	622	1,912	2,139	675	80	893	72	578	11	8,264
Male	649	294	884	1,007	346	62.0	464	46.0	83.0	6	3,841
Female	633	328	1,028	1,132	329	18.0	429	26.0	254.0	5	4,182
Student to teacher ratio	17	22	23	21	16	3	22	5	21	6	20

Source: Dzongkhag Education Sector, Punakha

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

Class	2008	2009	2010
Primary level			
Total	4093	4165	4259
Class PP	669	641	637
Class I	621	679	619
Class II	662	615	662
Class III	602	602	582
Class IV	580	618	630
Class V	507	548	603
Class VI	452	462	526
Male	1951	1983	2048
Class PP	334	342	320
Class I	305	338	332
Class II	319	291	316
Class III	292	277	273
Class IV	267	298	292
Class V	244	232	285
Class VI	190	205	230
Female	2142	2182	2211
Class PP	335	299	317
Class I	316	341	287
Class II	343	324	346
Class III	310	325	309
Class IV	313	320	338
Class V	263	316	318
Class VI	262	257	296
Secondary level			
Total	3072	2280	3285
Class VII	598	509	519
Class VIII	444	540	515
Class IX	492	406	598
Class X	478	436	481
Class XI	541	211	477
Class XII	519	178	695
Male	3477	3055	1592
Class VII	252	209	238
Class VIII	195	225	221
Class IX	220	193	273

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

Class	2008	2009	2010
Class X	230	196	241
Class XI	281	121	247
Class XII	291	102	372
Female	1603	1234	1693
Class VII	346	300	281
Class VIII	249	315	294
Class IX	272	213	325
Class X	248	240	240
Class XI	260	90	230
Class XII	228	76	323

Source: Dzongkhag Education Sector, Punakha

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

Details	2008	2009	2010
Students in primary school level (Class PP-VI)			
Total	4079	4155	4314
Age < 6 years	3	31	16
Age 6-12 years	3324	3392	3571
Age 13 & above	752	732	727
Male		1983	2070
Age < 6 years	3	14	6
Age 6-12 years	1608	1632	1716
Age 13 & above	347	337	348
Female		2172	2250
Age < 6 years	0	17	10
Age 6-12 years	1716	1760	1855
Age 13 & above	405	395	379
Student in LSS level (Class VII-VIII)			
Total	793	1170	1028
Age < 13 years	33	27	45
Age 13-14 years	333	416	405
Age 15 & above	427	727	578
Male		475	457
Age < 13 years	15	9	22
Age 13-14 years	131	158	173
Age 15 & above	188	308	262
Female		695	571
Age < 13 years	18	18	23
Age 13-14 years	202	258	232
Age 15 & above	239	419	316
Students in MSS level (Class IX-X)			
Total	1232	843	1079
Age < 15 years	118	28	39
Age 15-16 years	471	285	427
Age 17 & above	643	530	613
Male		388	512
Age < 15 years	50	13	15
Age 15-16 years	208	130	180
Age 17 & above	316	245	317

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

Details	2008	2009	2010
Female		455	567
Age < 15 years	68	15	24
Age 15-16 years	263	155	247
Age 17 & above	327	285	296
Students in HSS level (Class XI-XII)			
Total	1061	389	1172
Age < 17 years	13	22	71
Age 17-18 years	290	197	539
Age 19 & above	758	170	562
Male		223	619
Age < 17 years	5	9	35
Age 17-18 years	134	100	246
Age 19 & above	442	114	338
Female		166	553
Age < 17 years	8	13	36
Age 17-18 years	156	97	293
Age 19 & above	316	56	224

Source: Dzongkhag Education Sector, Punakha

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

Details	2008	2009	2010
Number of schools with toilet facilities			
Flush toilet	5	n.a	37
Pit latrine	12	n.a	34
Other type	5	n.a	16
No toilet	1	n.a	0
Number of schools with water facilities			
Tap/pipe water	17	n.a	57
Pond/spring	0	n.a	0
Stream	0	n.a	0
Other	4	n.a	0

Source: Dzongkhag Education Sector, Punakha

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

Details	2007	2008	2009
Number of hospitals	1	1	1
Number of BHUs	5	6	6
BHU grade I	0	0	0
BHU grade II	5	6	6
Number of ORCs	8	8	9
Number of indigenous units	1	1	1
Number of doctors	3	3	3
Number of hospital/BHU beds	40	40	10
Persons per doctor	8108.00	8254	8401.67
Persons per hospital bed	608	619	630
Total morbidity attendance	na	na	na
Health Assistants	12	15	17
Basic health workers	8	5	6
Sister and nurses	12	12	11
Technicians	9	10	10
Indigenous dungtsho	1	1	1
Indigenous compounders/Menpas	1	1	1
Malaria workers	0	0	0
Village health workers	52	52	54
Births attended by skilled personnel	255	272	358
Number of births in medical facility	255	272	318
Number of children immunized			
Polio	277	398	215
DPTH	409	835	264
Measles	562	438	246
Others	377	382	0
Family planning acceptors by type			
Condom distributed	40575	35774	22950
Pills	1403	1666	1292
Injection DMPA	2010	2461	1588
IUD	19	13	49
Vasectomy	21	181	251
Tubectomy	23	121	234
Others	0	0	0

Source: Dzongkhag Health Sector, Punakha

TABLE 4.2: TOP TEN MORBIDITY, PUNAKHA, 2009

Type of diseases (Incidence)	2009
Common Cold	13,805
Other diseases of skin & sub extaneous tissues	4535
Other diseases of digestive system	4147
Skin infection	4114
Other musculo-skeletal disorder	3950
Peptic ulcer	3273
Diarrhoea	3014
Acute pharyngitis tonsillitis	2357
Other respiratory/ nose diseases	2092
Other eye diseases	2025

Source: Dzongkhag Health Office, Punakha

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

Details	2007	2008	2009
Trade and Industries (Number)			
Micro & retail trade licences issued	n.a	26	38
Micro & retail trade licences in operation	n.a	26	38
Wholesale trade licences issued	n.a	74	6
Wholesale trade licences in operation	n.a	4	6
Services licences issued	n.a	346	n.a
Services licences in operation	n.a	174	n.a
Manufacturing licenses issued	n.a	7	n.a
Manufacturing licenses in operation	n.a	4	n.a
Public Transport operators (Numbers)			
Bus	n.a	n.a	5
Taxi	n.a	n.a	n.a
Others	n.a	n.a	n.a
Industries by type (Number)			
Agro based	n.a	1	1
Forestry based	n.a	2	4
Mineral based	n.a	1	1
Others	n.a	0	0
Industries by scale (Number)			
Large	n.a	0	n.a
Medium	n.a	0	n.a
Small	n.a	0	n.a
Cottage	n.a	4	n.a
Contract firms (Number)	n.a	36	293
A	n.a	1	1
B	n.a	0	2
C	n.a	2	8
D (Petty)	n.a	33	282

Source:Regional Trade and Industry Office, Thimphu.and RSTA base office, Punakha

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

Agriculture	2007	2008	2009
Irrigation for agriculture			
Number of irrigation channels	132	141	141
Functional	n.a	137	138
Non Functional	n.a	4	3
Total length of channels (Km)	n.a	400.45	413.42
Area covered by irrigation (Acres)	n.a	6773.69	8155.93
Number of households benefitted	n.a	2489	3360
Number of food processing units	n.a	0	0
Number of agriculture mills *	n.a	520	532
Number of livestock product processing units	n.a	0	0
Number of farmer association/groups			
Agriculture	n.a	n.a	11
Livestock	n.a	n.a	5
Forestry	18	18	22
Number of power tillers	n.a	n.a	282

Source : RNR Sector, Punakha

Note:* Including two traditional mills

TABLE 6.2: AGRICULTURAL PRODUCTION, PUNAKHA. 2007 TO 2009

Details	2007	2008	2009
Paddy			
Area (Acres)	n.a	6413.14	6342.53
Production (MT)	n.a	12087.12	11432.56
Price per Kg(Nu.)	n.a	n.a	n.a
Maize			
Area (Acres)	n.a	76.76	287.5
Production (MT)	n.a	382.19	480.24
Price per Kg(Nu.)	n.a	n.a	n.a
Wheat			
Area (Acres)	n.a	771.75	873.16
Production (MT)	n.a	569.39	1295.71
Price per Kg(Nu.)	n.a	n.a	n.a
Barley			
Area (Acres)	n.a	45.89	50.03
Production (MT)	n.a	25.749	30.56
Price per Kg(Nu.)	n.a	n.a	n.a
Buckwheat			
Area (Acres)	n.a	88.04	74.42
Production (MT)	n.a	38.59	29.65
Price per Kg(Nu.)	n.a	n.a	n.a
Millet			
Area (Acres)	n.a	n.a	n.a
Production (MT)	n.a	n.a	n.a
Price per Kg(Nu.)	n.a	n.a	n.a
Fruits			
Apples			
Number of fruit bearing trees	n.a	263	61
Production (Kg)	n.a	40000	1650
Production (Nu.)	n.a	n.a	n.a
Oranges/ Mandarin			
Number of fruit bearing trees	n.a	9256	10736
Production (Kg)	n.a	21890	330090
Production (Nu.)	n.a	n.a	n.a
Banana			
Number of fruit bearing trees	n.a	495	3212
Production (Kg)	n.a	22500	87720
Production (Nu.)	n.a	n.a	n.a

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

Details	2007	2008	2009
Pear			
Number of fruit bearing trees	n.a	372	289
Production (Kg)	n.a	34333.3	91920
Production (Nu.)	n.a	n.a	n.a
Plum			
Number of fruit bearing trees	n.a	75	n.a
Production (Kg)	n.a	40000	n.a
Production (Nu.)	n.a	n.a	n.a
Areca Nut			
Production (Pon)	n.a	n.a	n.a
Production (Nu.)	n.a	n.a	n.a
Vegetables and Spices			
Potato			
Production (kg)	n.a	417100	454630
Production (Nu.)	n.a	n.a	n.a
Chili			
Production (kg)	n.a	882200	856400
Production (Nu.)	n.a	n.a	n.a
Onion			
Production (kg)	n.a	59900	n.a
Production (Nu.)	n.a	n.a	n.a
Cabbage			
Production (kg)	n.a	35560	n.a
Production (Nu.)	n.a	n.a	n.a
Cauliflower			
Production (kg)	n.a	n.a	n.a
Production (Nu.)	n.a	n.a	n.a
Asparagus			
Production (Bundles)	n.a	n.a	n.a
Production (Nu.)	n.a	n.a	n.a
Tomato			
Production (Kg)	n.a	16082	126340
Production (Nu.)	n.a	n.a	n.a
Carrot			
Production (Kg)	n.a	n.a	n.a
Production (Nu.)	n.a	n.a	n.a

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

Details	2007	2008	2009
Egg Plant (Brinjal)			
Production (Kg)	n.a	44980	22910
Production (Nu.)	n.a	n.a	n.a
Raddish			
Production (Kg)	n.a	158620	280500
Production (Nu.)	n.a	n.a	n.a
Ginger			
Production (Kg)	n.a	n.a	n.a
Production (Nu.)	n.a	n.a	n.a
Cardamom			
Production (Kg)	n.a	n.a	n.a
Production (Nu.)	n.a	n.a	n.a
Garlic			
Production (Kg)	n.a	n.a	n.a
Production (Nu.)	n.a	n.a	n.a
Oil seeds and legumes			
Lentils			
Production (Kg)	n.a	n.a	n.a
Production (Nu.)	n.a	n.a	n.a
Mustards			
Production (Kg)	n.a	138010	135270
Production (Nu.)	n.a	n.a	n.a
Beans			
Production (Kg)	n.a	386410	420200
Production (Nu.)	n.a	n.a	n.a

Source : Dzongkhag Agriculture Sector, Punakha.

Table 6.3: LIVESTOCK POPULATION, PUNAKHA, 2007 TO 2009

Details	2007	2008	2009
Livestock (Number)			
Cattle	9215	9510	10847
Local breed	7739	7515	n.a
male	2790	3130	n.a
Female	4949	4385	n.a
Improved breed	1476	1995	n.a
male	485	671	n.a
Female	991	1324	n.a
Mithun	1974	1851	n.a
Bufallo	0	0	0
Male	0	0	0
Female	0	0	0
Horse	655	648	305
Local breed	n.a	n.a	293
Improved breed	n.a	n.a	12
Yak	0	0	0
Male	0	0	0
Female	0	0	0
Sheep	0	0	0
Local breed	0	0	0
Improved breed	0	0	0
Pig	1549	1077	826
Local breed	887	711	528
Improved breed	662	366	298
Poultry	4364	3854	4477
Local breed	3044	2803	2554
Improved breed	1320	1051	1923
Goat	15	36	98

Source : Dzongkhag Livestock Sector, Punakha

Table 6.4: LIVESTOCK PRODUCTS, PUNAKHA, 2007 TO 2009

Details	2007	2008	2009
Livestock products			
Fresh Milk (Liters)	726913	810968	732745
Butter (Kg)	32752	52078	31028
Fresh Cheese (Kg)	739619	190043	91011
Processed cheese (kg)	0	0	0
Eggs (Dozen)	289156	233183	389566
Fish (Kg)	0	0	0
Beef (Kg)	0	0	16271
Pork (Kg)	25311	27590	10163
Yak Meat (Kg)	0	0	0
Mutton (Kg)	0	0	0
Honey (Gm)	0	0	0
Chicken (Kg)	0	0	29553.5

Source : Dzongkhag Livestock Sector, Punakha

Table 6.5: FORESTRY PRODUCTS, PUNAKHA, 2007 to 2009

Details	2007	2008	2009
Wood Forest Product			
Log Form (Cft)	n.a	9240	27000
Fire wood (Cubic metres)	8336	8024	521
Flag Poles (Number)	1555	1080	5380
Shinglap (Number of trees)	n.a	236	92
Cham (Number of trees)	n.a	13891	6784
Tsim (Number of trees)	n.a	11373	4568
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)	926	30	72
Stones (Truck Load)	1207	146	595
Bamboo (Number)	876	505	2037
Cane (Bundles)	n.a	n.a	n.a
Lemon grass (Kg)	n.a	n.a	n.a

Source :Dzongkhag Forest Office, Punakha, Territorial Range Office, Punakha

TABLE 7.1: INFRASTRUCTURE, PUNAKHA, 2007 TO 2009

Details	2007	2008	2009
Roads (Length in Km)	196.6	289.5	294.8
Farm roads	61.7	140.1	169.9
Feeder roads	49.4	49.4	46.4
Forest roads	59.0	59.0	59.0
Highways/Dzongkhag roads	26.5	41.0	78.0
Bridges (Number)			
Suspension bridges	3.0	3.0	3.0
Suspended	4.0	4.0	4.0
Bailey bridges	6.0	6.0	6.0
Traditional bridges	1.0	1.0	1.0
Auto workshop centres		4.0	4.0
Bus stations	1.0	1.0	1.0
Post offices	1.0	1.0	1.0
Banks	1.0	1.0	1.0

Source: Engineering Sector, Punakha Dzongkhag
Dzongkhag Agriculture Sector, Bhutan Post

TABLE 8.1: TELECOMMUNICATION. PUNAKHA, 2007 TO 2009

Details	2007	2008	2009
Telecommunications (Number)			
Households with fixed telephone connections	542	423	542
Community information centres	0	0	0
Gewogs accessible to mobile services	11	11	11
Households with internet access	n.a	n.a	n.a

Source: Bhutan Telecom, Punakha

TABLE 9.1: ENVIRONMENT, PUNAKHA, 2007 TO 2009

Details	2007	2008	2009
Total cultivated land (Acres)	n.a	6413.14	7352.48
Temperature (Degree Celcius)			
Avg. Max (Annual)	29.3	29.30	n.a
Avg. Min (Annual)	5.8	5.80	n.a
Rainfall (Millimeter)			
Avg. Annual rainfall	928.2	695.3	n.a
Number of snowfall occurred at Dzongkhag head quarter	0	0	0
Damages caused by landslides			
Farmland (acres)	n.a	n.a	29.31
Houses (Number)	n.a	n.a	2
Roads (Km)	n.a	n.a	1.01
Damages caused by floods			
Farmland (acres)	n.a	n.a	n.a
Houses (Number)	n.a	n.a	n.a
Roads (Km)	n.a	n.a	n.a
Crops affected by drought (acres)	n.a	n.a	n.a
Crops damaged by wild animals (acres)	n.a	n.a	n.a
Incidence of earthquake (Number of cases reported)	n.a	n.a	n.a
Houses damaged by earthquakes (Number)	n.a	n.a	n.a
Number of forest fires	n.a	n.a	n.a
Acreage destroyed by forest fires	n.a	n.a	n.a
Acreage of reforestation	n.a	n.a	n.a
Houses/structures damaged by fires (Number)	n.a	n.a	n.a
Mining sites (Number)	n.a	n.a	n.a
Quarry sites (Number)	n.a	n.a	n.a
Municipal waste disposal sites (Number)	n.a	n.a	n.a
Environmental clearance issued	n.a	n.a	n.a

Source: Statistical Year Book 2009, NSB . Agriculture Sector, Punakha

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

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	68.7	24.9	n.a	75.9
Agriculture	28.1	42.8	n.a	92.9
Livestock	21.9	11.9	n.a	9.8
Forestry	5.2	5.6	n.a	11.7
Education	160.3	132.6	n.a	331.3
Health	56.6	22.9	n.a	85.9
Urban Development & Housing	7.8	60.4	n.a	119.7
Roads	7.2	2.0	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	355.9	303.0	n.a	n.a
Total plan outlay				

Source: Dzongkhag Planning Office, Punakha

TABLE 10.2: DZONGKHAG 9TH AND 10TH FIVE YEAR PLAN EXPENDITURE, PUNAKHA
(in million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	119.5	23.2	n.a	n.a
Agriculture	22.4	1.8	n.a	n.a
Livestock	23.9	5.0	n.a	n.a
Forestry	10.5	2.9	n.a	n.a
Education	258.0	119.9	n.a	n.a
Health	40.6	0.9	n.a	n.a
Urban Development & Housing	27.6	22.5	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		737.9		

Source: Dzongkhag Planning Office, Punakha

TABLE 10.3: GEWOG 9th & 10th FYP OUTLAYS, PUNAKHA

(In million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Agriculture	0.000	37.475	n.a	85.131
Livestock	0.000	3.335	n.a	3.890
Forest	0.000	2.558	n.a	5.020
Education	0.000	6.880	n.a	
Health	0.000	12.376	n.a	19.400
Suspension bridges + mule tracks	0.000	2.036	n.a	4.505
Geog Administration	4.275	9.367	n.a	33.327
Total	4.275	74.028		151.273

Source: Dzongkhag Planning Office, Punakha

TABLE 10.4: GEWOG 9th & 10th FYP EXPENDITURE, PUNAKHA

(In million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Agriculture	n.a	n.a	n.a	n.a
Livestock	n.a	n.a	n.a	n.a
Forest	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
Suspension bridges + mule tracks	n.a	n.a	n.a	n.a
Geog Administration	n.a	n.a	n.a	n.a
Total				

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

Details	2005
Primary school level (Class PP-VI)	
Gross enrolment ratio	94.7
Net enrolment ratio	77.4
LSS level (Class VII-VIII)	
Gross enrolment ratio	85.4
Net enrolment ratio	21.9
MSS level (Class IX-X)	
Gross enrolment ratio	68.8
Net enrolment ratio	29.5
HSS level (Class XI-XII)	
Gross enrolment ratio	62.1
Net enrolment ratio	26.9

Source: Socio-Economic and Demographic Indicators 2005

TABLE 11.2 : LITERACY RATE BY SEX, PUNAKHA, 2005

Literacy rate	2005
Male	70.6
Female	52.9
15-24 years	
Male	87.6
Female	80.7

Source: Socio-Economic and Demographic Indicators 2005

TABLE 11.3 : DISTANCE TO THE NEAREST SCHOOL, PUNAKHA

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

Source:

Note:

TABLE 12.1 : HEALTH COVERAGE, PUNAKHA, 2005

Details	2005
Population covered by health care (%)	98.9
Population access to safe drinking water (%)	86.1

Source:Socio economic indicator 2005

Note: "Safe drinking water" means improved water source.

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

Details	2005
Walking distance to health facility (% of households)	
< 1 hr	na
1 - 2 hrs	na
2 - 3 hrs	na
> 3 hrs	na
Sources of drinking water & sanitation facility (% of households)	
Tap/pipe water	
Stream water	12.3
Other sources	1.6
With toilet facility	88.8
Without toilet	11.2

Source:PHCB 2005

TABLE 13.1: DISTANCE TO NEAREST MARKET BY HOUSEHOLDS, PUNAKHA

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, PUNAKHA

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, PUNAKHA, 2005

Details	2005
Total labour force (Number)	7036
Total employed (%)	98.3
Male	98.2
Female	98.3
Unemployment rate	1.7
Total employed in Agriculture (%)	65.8
Male	54.7
Female	79.6
Total employed in Industries (%)	11.0
Male	16.4
Female	4.4
Total employed in Services (%)	12.6
Male	16.8
Female	7.4
Total unemployed by area (%)	1.7
Urban	3.7
Rural	
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	n.a
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
Labor force participation rate (%)	39.7
Male participation rate	43.3
Female participation rate	36.0

Source:PHCB 2005

TABLE 15.1 : RENEWABLE NATURAL RESOURCES, PUNAKHA, 2009

Agriculture	2009
Wet land holding (Number)	
Holdings < 1 acre	1066
Holdings 1-5 acres	1765
Holdings >5 acres	435
Total wet land (Acres)	8909.04
Dry land holding (Number)	
Holdings < 1 acre	n.a
Holdings 1-5 acres	n.a
Holdings >5 acres	n.a
Total dry land (Acres)	3054.26
Orchard land holding (Number)	
Holdings < 1 acre	n.a
Holdings 1-5 acres	n.a
Holdings >5 acres	n.a
Total orchard (Acres)	375
Pasture land (Acres)	n.a

Source: Agriculture Census 2009

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

Details	2005
Walking distance to road head (% of households)	
< 1 hr	82.40
1-2 hrs	7.90
2-5 hrs	8.70
> 5 hrs	1.00

Source: Socio-Economic and Demographic Indicators 2005

TABLE 17.1 : PERCENT OF HOUSEHOLD HAVING TELECOMMUNICATION,
PUNAKHA, 2005

(in percent)

Details	2005
Households with TV sets	23.6
Households owning computer	1.1
Households owning radios	72.3

Source: Socio Economic & Demographic Indicator 2005

TABLE 18.1 : NUMBER OF CULTURAL INFRASTRUCTURE AND RELIGIOUS PERSONNEL, PUNAKHA, 2008

Details	2008
Number of Dzongs	1
Number of Chortens	n.a
Number of Lakhangs	54
Private	17
Community	21
Government	16
Number of Temples	n.a
Private	n.a
Community	n.a
Government	n.a
Number of Chukhor/Dungkhor	n.a
Number of religious personnel, centres and sites	
Nuns	30
Gelongs	363
Gomchens	1
Pawo/jomo/terda/nyerjom	n.a
Shedra	
Gomdeys/Drubda	n.a
Cremation grounds	1
Community tshechus	n.a
Hot springs	2
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, PUNAKHA, 2008

Details	2008
Number of centres performing arts	n.a
Singing/Dancing	n.a
Mask Dances	n.a

Source:GIS Infrastructure Mapping 2008

TABLE 19.1 : FOREST COVERAGE & FUEL USAGE IN PERCENT, PUNAKHA, 2005

Details	2005
Forest coverage (%)*	86.26
Households using fuel wood (%)	48.00
Households using electricity (%)	64.70
Number of Protected spring water sources	n.a
Number of Lakes	n.a

Source: PHCB 2005 & 10TH FYP document

Note: * 10TH FYP document

TABLE 20.1: POVERTY, DEPENDENCY RATIO AND HOUSING CONDITION,
PUNAKHA, 2005 & 2007

Details	2007
Population below total poverty line (%)	15.6
Households below total poverty line (%)	9.8
Population below food poverty line (%)	1.9
Households below food poverty line (%)	1.1
Households availing rural credit (%)	n.a
Average annual household expenditure (Nu.)	17019
Landless households (%)	n.a
Dependency	
Child dependency ratio	53.8
Old age dependency ratio	8.9
Overall dependency ratio	62.7
Housing condition	
Household with straw/leaves roof (%)	0.5
Household with bamboo roof (%)	1.4
Household with metal roof (%)	70.1
Household with concrete/tiles roof (%)	2.4
Household with shingles roof (%)	
Number of persons per room	
Number of households living in own dwelling	2050
Number of households living in rented house	1337
Ownership of assets (Number)	
Households with land/plot	2215
Households owning livestock	1807
Households owning vehicle	314
Households owning refrigerator	507
Households owning washing machine	54
Households owning rice cooker	n.a

Source: PHCB 2005, PAR 2007, BLSS 2007