



Annual Dzongkhag Statistics 2010



Dzongkhag Administration
PARO

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PARO DZONGKHAG



GEWOG CENTRES

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Preface

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

Paro is one of the developed Dzongkhags in the country. It has 10 Gewogs viz. Dogar, Dopshari, Doteng, Hungrel, Lamgong, Lungnyi, Naja, Shaba, Tsento and Wangchang. The Dzongkhag is endowed with fertile terrain and produces a variety of crops such as paddy, wheat, millet, potatoes, apples and seasonal vegetables.

Paro Dzong is also known as Rinpung Dzong; which means “Fortress on a Heap of Jewels”. It was built in 1646 by Zhabdrung Ngawang Namgyal to defend the country from Tibetan invasions. The Dzong was severely damaged by a fire in 1907, but was rebuilt in the following year.

Above the Rinpung Dzong stands the Ta Dzong, which served as a sentinel tower in the olden days but now houses the National Museum. There are many Lhakhangs and Chortens, the most important being Taktshang Monastery and Kichu Lhakhang. There are also some important government institutions in the Dzongkhag such as the Paro College of Education, Druk Seed Corporation, Agriculture Machinery Centre and Post Harvest Unit. The Dzongkhag has 7 Renewable Natural Resources Centers and a total of 22 schools comprising 2 Higher Secondary Schools, 3 Middle Secondary Schools, 7 Lower Secondary Schools, 3 Primary Schools, 3 Community Primary Schools and 4 Private Schools.

The Dzongkhag has a road network comprising of 103 Km national highway, 36.4 Km Dzongkhag roads and 5.2 Km urban roads. The existence of good roads and feeder roads in the Dzongkhag offers easy access to markets. The only international Airport in the Kingdom is located in the Dzongkhag and serves as main port of arrival and departure for international tourists in the country.

Abbreviations

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

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TABLE 1.1: GENERAL INFORMATION, PARO, 2005 TO 2010

Details	2005	2006	2007	2008	2009	2010
Dzongkhag area (Sq. Km)	1,293.2	1,293.2	1,293.2	1,293.2	1,293.2	1,293.2
Population (Number)	36,433	37,092	37,760	38,436	39,118	39,806
Population density (Persons per Sq. Km)	28	29	29	30	30	31
Population sex ratio	113	112	112	112	111	111
Administration (Number)						
Drungkhags	0	0	0	0	0	0
Gewogs	10	10	10	10	10	10
Chiwogs	95	95	95	95	95	95
Villages	396	396	396	396	396	396
Households	7,118	7,118	7,118	7,118	7,118	7,118
Towns	1	1	1	1	1	1

Source: Gewog Administration, Paro Dzongkhag and PHCB 2005

Note: Number of Households are as per the PHCB 2005.

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

TABLE 1.2: LOCAL GOVERNANCE, PARO, 2007 TO 2009

Details	2007	2008	2009
Local governance (Number)			
Total Gewog Tshogpas	92	92	92
Male	n.a	84	84
Female	n.a	8	8
Total Mangmis	10	10	10
Male	10	10	10
Female	0	0	0
Total Chupons*	95	95	95
Male	n.a	n.a	n.a
Female	n.a	n.a	n.a
DYT members	21	21	21
Male	21	21	21
Female	0	0	0
GYT members	112	112	112
Male	n.a	104	104
Female	n.a	8	8
Polling stations	n.a	31	31
Eligible voters (18 years and above)	n.a	13,852	n.a
Male	n.a	6,732	n.a
Female	n.a	7,120	n.a
Parliamentarians	n.a	3	3
Male	n.a	3	3
Female	n.a	0	0
Total Dzongkhag Adm. Staff **			652
Male	n.a	n.a	330
Female	n.a	n.a	322
Police stations	1	1	1

Source: Dzongkhag and Gewog Administration, Paro Dzongkhag

Note:*the Chupoen is appointed turn wise from household to household, therefore there is no particular male & female chupeon.

** included only the bhutanese and regular staff.

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

Age-group by sex	2005	2006	2007	2008	2009	2010
Total	36,433	37,092	37,760	38,436	39,118	39,806
0-4	3,045	3,921	4,177	4,432	4,685	4,932
5-9	3,646	3,853	3,761	3,684	3,620	3,569
10-14	4,141	4,149	4,094	4,029	3,960	3,891
15-19	4,336	4,080	4,104	4,122	4,129	4,119
20-24	4,606	3,835	3,875	3,911	3,945	3,978
25-29	3,498	3,438	3,515	3,585	3,650	3,710
30-34	2,596	2,861	2,965	3,073	3,180	3,279
35-39	2,393	2,390	2,460	2,531	2,609	2,697
40-44	1,786	1,941	2,015	2,094	2,173	2,252
45-49	1,507	1,598	1,643	1,692	1,746	1,807
50-54	1,230	1,318	1,355	1,396	1,438	1,482
55-59	918	1,080	1,107	1,136	1,167	1,201
60-64	817	872	892	913	935	960
65+	1914	1756	1796	1837	1,881	1,929
Male	19,294	19,620	19,948	20,279	20,613	20,951
0-4	1,545	1,988	2,119	2,250	2,380	2,507
5-9	1,820	1,964	1,914	1,872	1,838	1,811
10-14	2,030	2,131	2,099	2,063	2,025	1,987
15-19	2,104	2,124	2,128	2,131	2,128	2,118
20-24	2,777	2,057	2,065	2,070	2,074	2,080
25-29	1,967	1,874	1,913	1,947	1,976	2,000
30-34	1,431	1,577	1,631	1,687	1,741	1,791
35-39	1,344	1,322	1,361	1,400	1,442	1,489
40-44	964	1,060	1,104	1,150	1,197	1,243
45-49	792	864	889	916	947	982
50-54	625	710	730	752	775	799
55-59	492	579	593	608	625	643
60-64	424	463	473	484	496	509
65+	979	908	928	948	969	992
Female	17,139	17,472	17,812	18,157	20,514	20,865
0-4	1,500	1,933	2,058	2,182	2,305	2,425
5-9	1,826	1,890	1,847	1,811	1,782	1,758
10-14	2,111	2,018	1,995	1,966	1,935	1,904
15-19	2,232	1,956	1,976	1,992	2,001	2,001
20-24	1,829	1,778	1,810	1,841	1,871	1,898
25-29	1,531	1,564	1,602	1,638	1,674	1,710
30-34	1,165	1,284	1,334	1,387	1,439	1,488

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

Age-group by sex	2005	2006	2007	2008	2009	2010
35-39	1,049	1,068	1,099	1,131	1,167	1,208
40-44	822	881	911	943	976	1,009
45-49	715	733	754	776	799	825
50-54	605	608	625	644	663	683
55-59	426	502	514	528	542	558
60-64	393	409	418	428	439	451
65+	935	849	868	889	912	937

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, PARO, 2008 TO 2010

Details	CPS	PS	ISS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centre	Daycare Centre	Total
2008											
Number of schools and institutions	3	3	8	2	2	1	3	n.a	15	n.a	37
Teaching staff											
Bhutanese	12	51	170	51	42	54	31	n.a	15	n.a	426
Male	7	21	65	20	23	42	15	n.a	6	n.a	199
Female	5	30	105	31	19	12	16	n.a	9	n.a	227
Non-Bhutanese	0	0	5	8	29	1	0	n.a	n.a	n.a	43
Male	0	0	5	5	26	1	0	n.a	n.a	n.a	37
Female	0	0	0	3	3	0	0	n.a	n.a	n.a	6
Temporary teachers	2	0	1	0	0	0	0	n.a	n.a	n.a	3
Male	1	0	1	0	0	0	0	n.a	n.a	n.a	2
Female	1	0	0	0	0	0	0	n.a	n.a	n.a	1
Number of students	249	1,290	4,541	1,244	1,313	753	963	n.a	209	n.a	10,562
Male	127	689	2,134	583	644	437	488	n.a	20	n.a	5,122
Female	122	601	2,407	661	669	316	475	n.a	189	n.a	5,440
Student to teacher ratio	18:01	25:01	26:01	21:01	18:01	14:01	31:01	n.a	18:01	n.a	22:01

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

Details	CPS	PS	ISS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centre	Daycare Centre	Total
2009											
Number of schools and institutions	3	3	7	3	2	1	4	n.a	18	n.a	41
Teaching staff											
Bhutanese	13	56	151	78	47	54	48	n.a	18	n.a	465
Male	10	23	60	34	28	43	27	n.a	5	n.a	230
Female	3	33	91	44	19	11	21	n.a	13	n.a	235
Non-Bhutanese	0	0	2	8	18	1	29	n.a	0	n.a	58
Male	0	0	2	6	14	1	23	n.a	0	n.a	46
Female	0	0	0	2	4	0	6	n.a	0	n.a	12
Temporary teachers	5	0	5	1	2	0	0	n.a	0	n.a	13
Male	4	0	5	1	2	0	0	n.a	0	n.a	12
Female	1	0	0	0	0	0	0	n.a	0	n.a	1
Number of students	245	1,419	3,692	2,047	1,555	903	1,235	n.a	309	n.a	11,405
Male	115	751	1,756	987	738	533	703	n.a	44	n.a	5,627
Female	130	668	1,936	1,060	817	370	532	n.a	265	n.a	5,778
Student to teacher ratio	14:01	25:01	23:01	24:01	23:01	16:01	16:01	n.a	17:01	n.a	21:01
2010											
Number of schools and institutions	3	3	7	3	2	1	4	n.a	18	1	42

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

Details	CPS	PS	ISS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centre	Daycare Centre	Total
Teaching staff											
Bhutanese	16	59	163	86	52	63	68	n.a	18	3	528
Male	9	22	67	33	27	44	42	n.a	5	0	249
Female	7	37	96	53	25	19	26	n.a	13	3	279
Non-Bhutanese	0	0	1	12	17	1	18	n.a	0	0	49
Male	0	0	1	9	13	1	15	n.a	0	0	39
Female	0	0	0	3	4	0	3	n.a	0	0	10
Temporary teachers	5	1	3	1	2	0	0	n.a	0	0	12
Male	4	1	3	1	2	0	0	n.a	0	0	11
Female	1	0	0	0	0	0	0	n.a	0	0	1
Number of students	242	1,404	3,814	2,103	994	846	1,340	n.a	281	17	11,041
Male	118	762	1,817	983	539	494	703	n.a	44	9	5,469
Female	124	642	1,997	1,120	455	352	637	n.a	237	8	5,572
Student to teacher ratio	12:01	23:01	22:01	21:01	14:01	13:01	16:01	n.a	16:01	6:01	19:01

Source: Education Sector, Paro Dzongkhag

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

Class	2008	2009	2010
Primary level			
Total	5,734	5,756	5,672
Class PP	801	846	807
Class I	801	792	800
Class II	853	844	766
Class III	938	828	840
Class IV	830	867	881
Class V	753	812	802
Class VI	758	767	776
Male	2,933	2,853	2,847
Class PP	423	441	435
Class I	428	406	407
Class II	439	440	385
Class III	454	409	440
Class IV	409	431	433
Class V	434	387	384
Class VI	346	339	363
Female	2,892	2,903	2,825
Class PP	378	405	372
Class I	373	386	393
Class II	414	404	381
Class III	484	419	400
Class IV	421	436	448
Class V	410	425	418
Class VI	412	428	413
Secondary level			
Total	3,948	4,449	4,865
Class VII	714	820	829
Class VIII	732	702	730
Class IX	688	751	721
Class X	498	648	658
Class XI	803	780	942
Class XII	513	748	985
Male	3,978	4,201	4,350
Class VII	319	377	371
Class VIII	332	312	334
Class IX	314	353	319

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

Class	2008	2009	2010
Class X	236	294	306
Class XI	478	433	476
Class XII	291	423	534
Female	1,978	2,257	2,525
Class VII	395	443	458
Class VIII	400	390	396
Class IX	374	398	402
Class X	262	354	352
Class XI	325	347	466
Class XII	222	325	451

Source: Education Sector, Paro Dzongkhag

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

Details	2008	2009	2010
Students in primary school level (Class PP-VI)			
Total	5674	5716	5662
Age < 6 years	23	35	73
Age 6-12 years	4819	4698	4733
Age 13 & above	832	983	856
Male	2797	2853	2784
Age < 6 years	17	11	39
Age 6-12 years	2377	2366	2326
Age 13 & above	403	476	419
Female	2877	2863	2878
Age < 6 years	6	24	34
Age 6-12 years	2442	2332	2407
Age 13 & above	429	507	437
Student in LSS level (Class VII-VIII)			
Total	1483	1496	1537
Age < 13 years	64	67	81
Age 13-14 years	570	641	641
Age 15 & above	849	788	815
Male	655	682	678
Age < 13 years	31	29	36
Age 13-14 years	229	262	256
Age 15 & above	395	391	386
Female	828	814	859
Age < 13 years	33	38	45
Age 13-14 years	341	379	385
Age 15 & above	454	397	429
Students in MSS level (Class IX-X)			
Total	1182	1384	1383
Age < 15 years	80	52	65
Age 15-16 years	537	621	627
Age 17 & above	565	711	691
Male	559	635	623
Age < 15 years	30	22	24
Age 15-16 years	230	262	238
Age 17 & above	299	351	361
Female	623	749	760
Age < 15 years	50	30	41
Age 15-16 years	307	359	389
Age 17 & above	266	360	330

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

Details	2008	2009	2010
Students in HSS level (Class XI-XII)			
Total	1244	1629	1966
Age < 17 years	83	98	55
Age 17-18 years	412	586	558
Age 19 & above	749	945	1353
Male	708	846	1045
Age < 17 years	21	25	25
Age 17-18 years	202	266	291
Age 19 & above	485	555	729
Female	536	783	921
Age < 17 years	62	73	30
Age 17-18 years	210	320	267
Age 19 & above	264	390	624

Source: Education Sector, Paro Dzongkhag

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

Details	2008	2009	2010
Number of schools with toilet facilities			
Flush toilet	n.a	n.a	9
Pit latrine	n.a	n.a	7
Other type	n.a	n.a	13
No toilet	n.a	n.a	0
Number of schools with water facilities			
Tap/pipe water	n.a	n.a	22
Pond/spring	n.a	n.a	0
Stream	n.a	n.a	0
Other	n.a	n.a	0

Note: Education Sector, Paro Dzongkhag

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

Details	2007	2008	2009
Number of hospitals	1	1	1
Number of BHUs	3	3	3
BHU grade I	0	0	0
BHU grade II	3	3	3
Number of ORCs	27	27	27
Number of indigenous units	0	0	1
Number of doctors	3	3	6
Number of hospital/BHU beds	40	40	40
Persons per doctor	12,587	12,812	6,520
Persons per hospital bed	944	961	978
Total morbidity attendance	77,134	67,057	66,455
Health Assistants	9	9	9
Basic health workers	6	6	6
Sister and nurses	6	6	16
Technicians	9	9	16
Indigenous dungtsho	1	1	1
Indigenous compounders/Menpas	1	1	2
Malaria workers	0	0	0
Village health workers	51	45	48
Births attended by skilled personnel	520	560	515
Number of births in medical facility	475	529	508
Number of children immunized			
Polio	539	663	625
DPTH	625	680	691
Measles	677	685	717
Others	625	700	4,053
Family planning acceptors by type	48,409	53,882	76,745
Condom distributed	43,904	48,897	70,412
Pills	838	1,014	1,757
Injection DMPA	2,614	3,342	3,385
IUD	n.a	n.a	53
Vasectomy	525	385	611
Tubectomy	340	170	527
Others	188	74	0

Source: Health Sector, Paro Dzongkhag

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

Priority health problem/ Disease	2007	2008	2009
Common cold	13,966	10,099	12,758
Peptic ulcer syndrome	6,803	5,757	5,813
Skin infection	5,986	4,132	3,756
Other disease of skin digestive system	4,067	3,850	4,048
Diarrhoea	3,797	2,893	2,844
Other musculo skeletal disorders	3,453	3,661	3,090
Dental carries	3,116	2,961	2,825
Acute pharyngities and tonsilitis	3,080	3,376	3,873
Other respiratory and nose disease	3,062	4,085	3,070
Injuries and poisoning	2,729	2,242	2,782

Source:Health Sector, Paro Dzongkhag

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

Details	2007	2008	2009
Trade and Industries (Number)**	293	262	328
Micro & retail trade licences issued	179	176	208
Micro & retail trade licences in operation	n.a	n.a	n.a
Wholesale trade licences issued	1	0	11
Wholesale trade licences in operation	n.a	n.a	n.a
Services licences issued	102	70	83
Services licences in operation	n.a	n.a	n.a
Manufacturing licenses issued	11	16	26
Manufacturing licenses in operation	n.a	n.a	n.a
Public Transport operators (Numbers)	1518	2239	3269
Bus	6	6	7
Taxi	112	145	212
Others	1400	2088	3050
Industries by type (Number)	119	137	163
Agro based	9	10	13
Forestry based	82	94	112
Mineral based	8	11	14
Others	20	22	24
Industries by scale (Number)	1180	1270	1379
Large	2	2	2
Medium	9	15	19
Small	62	74	91
Cottage	1107	1179	1267
Contract firms (Number)	456	493	536
A	0	0	0
B	10	10	10
C	69	68	68
D (Petty)	377	415	458

Source: Regional Trade and Industry Office, Thimphu and RSTA BaseOffice, Paro

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

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

Agriculture	2007	2008	2009
Irrigation for agriculture			
Number of irrigation channels	n.a	n.a	n.a
Functional	n.a	n.a	n.a
Non Functional	n.a	n.a	n.a
Total length of channels (Km)	153.11	153.11	153.11
Area covered by irrigation (Acres)	4960.24	4960.24	4960.24
Number of households benefitted	n.a	n.a	n.a
Number of food processing units	1	1	1
Number of agriculture mills	n.a	n.a	n.a
Number of livestock product processing units	n.a	n.a	n.a
Number of farmer association/groups			
Agriculture	n.a	n.a	n.a
Livestock	2	2	2
Forestry	1	7	14
Number of power tillers	n.a	n.a	291

Source : Agricultur Sector, Paro Dzongkhag

TABLE 6.2: AGRICULTURAL PRODUCTION, PARO, 2007 TO 2009

Details	2007	2008	2009
Paddy			
Area (Acres)	2,904	3,231	4,686
Production (MT)	2,567	5,796	9,027
Price per Kg(Nu.)	n.a	n.a	n.a
Maize			
Area (Acres)	248	169	72
Production (MT)	102	115	123
Price per Kg(Nu.)	n.a	n.a	n.a
Wheat			
Area (Acres)	1,339	1,107	804
Production (MT)	922	826	123
Price per Kg(Nu.)	n.a	n.a	n.a
Barley			
Area (Acres)	310	133	128
Production (MT)	213	81	150
Price per Kg(Nu.)	n.a	n.a	n.a
Buckwheat			
Area (Acres)	508	306	126
Production (MT)	292	95	186
Price per Kg(Nu.)	n.a	n.a	n.a
Millet			
Area (Acres)	204	51	43
Production (MT)	96	28	49
Price per Kg(Nu.)	n.a	n.a	n.a
Fruits			
Apples			
Number of fruit bearing trees	163,903	13,016	154,458
Production (Kg)	3,566,000	3,071,700	4,457,000
Production (Nu.)	n.a	n.a	n.a
Oranges/ Mandarin			
Number of fruit bearing trees	N.A	N.A	N.A
Production (Kg)	N.A	N.A	N.A
Production (Nu.)	N.A	N.A	N.A
Banana			
Number of fruit bearing trees	N.A	N.A	N.A
Production (Kg)	N.A	N.A	N.A
Production (Nu.)	N.A	N.A	N.A

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

Details	2007	2008	2009
Pear			
Number of fruit bearing trees	668	2,700	784
Production (Kg)	16,000	44,500	21,000
Production (Nu.)	n.a	n.a	n.a
Plum			
Number of fruit bearing trees	0	150	227
Production (Kg)	0	6,800	6,000
Production (Nu.)	0	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)	7,445,000	4,555,980	3,496,000
Production (Nu.)	n.a	n.a	n.a
Chili			
Production (kg)	1,390,000	922,340	2,131,000
Production (Nu.)	n.a	n.a	n.a
Onion			
Production (kg)	n.a	26050	8000
Production (Nu.)	n.a	n.a	n.a
Cabbage			
Production (kg)	1,106,000	499,000	352,000
Production (Nu.)	n.a	n.a	n.a
Cauliflower			
Production (kg)	n.a	7730	9000
Production (Nu.)	n.a	n.a	n.a
Asparagus			
Production (kg)	1,064,000		272,000
Production (Nu.)	n.a	n.a	n.a
Tomato			
Production (Kg)	269,000	62,420	111,000
Production (Nu.)	n.a	n.a	n.a
Carrot			
Production (Kg)	194,000	86,320	49,000
Production (Nu.)	n.a	n.a	n.a

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

Details	2007	2008	2009
Egg Plant (Brinjal)			
Production (Kg)	12,000	n.a	40,000
Production (Nu.)	n.a	n.a	n.a
Raddish			
Production (Kg)	652,000	203,740	253,000
Production (Nu.)	n.a	n.a	n.a
Ginger			
Production (Kg)	n.a	2,210	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	18,650	18,000
Production (Nu.)	n.a	n.a	n.a
Oil seeds and legumes			
Lentils			
Production (Kg)	n.a	2,210	2,000
Production (Nu.)	n.a	n.a	n.a
Mustards			
Production (Kg)	102,000	159,990	305,000
Production (Nu.)	n.a	n.a	n.a
Beans			
Production (Kg)	563,000	152,170	85,359,000
Production (Nu.)	n.a	n.a	n.a

Source : RNR Census 2009 and Agriculture Statistics 2007 & 2009, MoAF, Thimphu.

Note: Browsed from www.rnrstat.bt/csbhutan/

TABLE 6.3: LIVESTOCK POPULATION, PARO, 2007 TO 2009

Details	2007	2008	2009
Livestock (Number)			
Cattle	12,575	10,357	14,040
Local breed	8,678	6,097	8,968
male	3,096	3,789	3,394
Female	5,582	2,308	5,574
Improved breed	3,897	4,260	5,072
male	1,203	1,315	1,519
Female	2,694	2,945	3,553
Mithun	N.A	N.A	N.A
Bufallo	N.A	N.A	N.A
Male	N.A	N.A	N.A
Female	N.A	N.A	N.A
Horse	769	653	932
Local breed	403	254	870
Improved breed	366	399	62
Yak	2,105	2,445	4,000
Male	858	930	1,489
Female	1,247	1,515	2,511
Sheep	n.a	n.a	8
Local breed	n.a	n.a	n.a
Improved breed	n.a	n.a	8
Pig	838	978	824
Local breed	448	540	381
Improved breed	390	438	443
Poultry	6,502	8,683	11,629
Local breed	1,231	2,640	978
Improved breed	5,271	6,043	10,651
Goat	179	169	138

Source : Livestock Sector, Paro Dzongkhag

TABLE 6.4: LIVESTOCK PRODUCTS, PARO, 2007 TO 2009

Details	2007	2008	2009
Livestock products			
Fresh Milk (Liters)	1,536,017	3,002,971	3,325,774
Butter (Kg)	81,378	74,546	86,451
Fresh Cheese (Kg)	130,450	139,708	144,619
Processed cheese (kg)	n.a	n.a	n.a
Eggs (Dozen)	270,517	430,188	1,195,867
Fish (Kg)	n.a	n.a	n.a
Beef (Kg)	11,700	16,150	22,912
Pork (Kg)	13,135	20,925	24,683
Yak Meat (Kg)	9,210	9,360	5,699
Mutton (Kg)	n.a	n.a	n.a
Honey (Gm)	n.a	n.a	n.a
Chicken (Kg)	30	240	n.a

Source : Livestock Sector, Paro Dzongkhag

Table 6.5: FORESTRY PRODUCTS, PARO, 2007 TO 2009

Details	2007	2008	2009
Wood Forest Product			
Log Form (Cft)	5,285	6,880.4	4,195.5
Fire wood (Cubic metres)	301T/L	229T/L	554T/L
Flag Poles (Number)	2,961	6,314	1,155
Shinglap (Number of trees)	70	104	9
Cham (Number of trees)	4,222	2,705	853
Tsim (Number of trees)	4,336	4,693	2,985
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)	839	413	439
Stones (Truck Load)	711	1,003	1,120
Bamboo (Number)	139	1,156	1,486
Cane (Bundles)	n.a	n.a	n.a
Lemon grass (Kg)	n.a	n.a	n.a

Source : Department of Forest and Park Services, Paro Forest Division,

TABLE 7.1: INFRASTRUCTURE, PARO, 2007 TO 2009

Details	2007	2008	2009
Roads (Length in Km)	n.a	277.4	381.2
Farm roads	n.a	137.4	174
Feeder roads	n.a	5	26.1
Forest roads	n.a	13	36.5
Highways/Dzongkhag roads*	n.a	122	144.6
Bridges (Number)	17	17	17
Suspension bridges	13	13	13
Suspended	3	3	3
Bailey bridges	0	0	0
Traditional bridges	1	1	1
Auto workshop centres	6	10	10
Bus stations	1	1	1
Post offices	1	1	1
Banks	2	2	2

Source: Engineering Section, Paro Dzongkhag

Note: Three Steel Truss bridges and two wooden cantilever bridges are not included in the above table.

* includes 103km national highways, 36.4km district road and 5.2km urban road.

TABLE 8.1: TELECOMMUNICATION, PARO, 2007 TO 2009

Details	2007	2008	2009
Telecommunications (Number)			
Households with fixed telephone connections	n.a	n.a	1393
Community information centres	0	0	0
Gewogs accessible to mobile services	9	9	9
Households with internet access	n.a	101	358

Source: Bhutan Telecom Limited, Paro

TABLE 9.1: ENVIRONMENT, PARO, 2007 TO 2009

Details	2007	2008	2009
Total cultivated land (Acres)	n.a	n.a	13766.76
Temperature (Degree Celcius)			
Avg. Max (Annual)	20	20	n.a
Avg. Min (Annual)	10	9	n.a
Rainfall (Millimeter)			
Avg. Annual rainfall	132	137	n.a
Number of snowfall occurred at Dzongkhag head quarter	1	1	1
Damages caused by landslides			
Farmland (acres)	1	5	n.a
Houses (Number)	n.a	n.a	n.a
Roads (Km)	n.a	n.a	n.a
Damages caused by floods			
Farmland (acres)	2	4	n.a
Houses (Number)	1	2	n.a
Roads (Km)	1	3	n.a
Crops affected by drought (acres)	4	114	n.a
Crops damaged by wild animals (acres)	208	227	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	7	31	25
Acreage destroyed by forest fires	229	356	456
Acreage of reforestation	2	50	12
Houses/structures damaged by fires (Number)	5	3	n.a
Mining sites (Number)	3	3	3
Quarry sites (Number)	6	6	6
Municipal waste disposal sites (Number)	1	1	1
Environmental clearance issued	n.a	n.a	31

Source: Environment and Forestry Sector, Paro Dzongkhag

TABLE 10.1: DZONGKHAG 9TH & 10TH FIVE YEAR PLAN OUTLAYS, PARO

(in million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	112.748	16.000	n.a	36.417
Agriculture	19.014	8.375	n.a	27.9
Livestock	22.48	24.710	n.a	16.25
Forestry	8.173	9.590	n.a	13.4
Education	245.5	288.584	n.a	n.a
Health	61.49	4.444	n.a	88.59
Urban Development & Housing	9.409	87.500	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	0.000	2.500	n.a	n.a
Total plan outlay	478.814	441.703	n.a	182.557

Source: Planning Unit, Paro Dzongkhag

Note: For 10th FYP, pl; an outlay was given for MoWHS of Nu.76.5 (in million) and it is not included in the above table.

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

(in million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	n.a	n.a	n.a	n.a
Agriculture	n.a	n.a	n.a	n.a
Livestock	n.a	n.a	n.a	n.a
Forestry	n.a	n.a	n.a	n.a
Education	n.a	n.a	n.a	n.a
Health	n.a	n.a	n.a	n.a
Urban Development & Housing	n.a	n.a	n.a	n.a
Roads	n.a	n.a	n.a	n.a
Bhutan post	n.a	n.a	n.a	n.a
Telecommunication	n.a	n.a	n.a	n.a
Power	n.a	n.a	n.a	n.a
Trade & Industry	n.a	n.a	n.a	n.a
Total plan expenditure	n.a	n.a	n.a	n.a

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

(in million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Agriculture	0.000	88.404	n.a	142.334
Livestock	0.000	13.055	n.a	3.51
Forestry	0.000	4.183	n.a	4.275
Education	0.000	4.058	n.a	n.a
Health	0.000	16.026	n.a	17.88
Suspension Brige+Mule Track	0.000	10.650	n.a	n.a
Gewog Administration	8.850	24.400	n.a	13.929
Total plan outlay	8.850	160.776	n.a	181.928

Source: Planning Unit, Paro Dzongkhag

Note:For 10th FYP, plan outlay was given for MoWHS of Nu.10.761(in million) and it is not included in the above table.

TABLE 10.4: GEWOG 9TH & 10TH FIVE YEAR PLAN EXPENDITURE, PARO

(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
Forestry	n.a	n.a	n.a	n.a
Education	n.a	n.a	n.a	n.a
Health	n.a	n.a	n.a	n.a
Suspension Brige+Mule Track	n.a	n.a	n.a	n.a
Gewog Administration	n.a	n.a	n.a	n.a
Total plan outlay	n.a	n.a	n.a	n.a

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

Details	2005
Primary school level (Class PP-VI)	
Gross enrolment rate	94.3
Net enrolment rate	77.9
LSS level (Class VII-VIII)	
Gross enrolment rate	77.3
Net enrolment rate	26.4
MSS level (Class IX-X)	
Gross enrolment rate	64.2
Net enrolment rate	26.2
HSS level (Class XI-XII)	
Gross enrolment rate	51.7
Net enrolment rate	22.8

Source: Socio-Economic and Demographic Indicators 2005

TABLE 11.2 : LITERACY RATE BY SEX, PARO, 2005

Literacy rate	2005
Male	69.4
Female	44.7
15-24 years	81.8
Male	84.2
Female	78.8

Source: Socio-Economic and Demographic Indicators 2005

TABLE 11.3 : DISTANCE TO THE NEAREST SCHOOL, PARO

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

TABLE 12.1 : HEALTH COVERAGE, PARO, 2005

Details	2005
Population covered by health care (%)	n.a
Population access to safe drinking water (%)	88.2

Source: Socio-Economic and Demographic indicator 2005

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

TABLE 12.2 : DISTANCE TO HEALTH CENTERS, WATER SOURCES AND
SANITATION, PARO, 2005

Details	2005
Walking distance to health facility (% of households)	
< 1 hr	n.a
1 - 2 hrs	n.a
2 - 3 hrs	n.a
> 3 hrs	n.a
Sources of drinking water & sanitation facility (% of households)	
Tap/pipe water	87.5
Stream water	10.5
Other sources	2.1
With toilet facility	89.8
Without toilet	10.2

Source: PHCB 2005

TABLE 13.1 : DISTANCE TO NEAREST MARKET BY HOUSEHOLDS, PARO

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,
PARO

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,
PARO, 2005

Details	2005
Total labour force (Number)	14127
Total employed (%)	96.5
Male	96.6
Female	96.4
Unemployment rate	3.5
Total employed in Agriculture (%)	33.5
Male	23.2
Female	52.9
Total employed in Industries (%)	17.9
Male	22.8
Female	8.6
Total employed in Services (%)	26.2
Male	32.4
Female	14.3
Total unemployed by area (%)	
Urban	3.6
Rural	3.5
Total un-employed by education (%)	
Total unemployed grade XII and above	n.a
Total unemployed below grade XII	n.a
Total under employed (%)	n.a
Employed by age-group (%)	
15-17 years	n.a
18-24 years	n.a
25-64 years	97.7
65 years and above	98
Unemployed by age-group (%)	
15-17 years	n.a
18-24 years	n.a
25-64 years	2.3
65 years and above	2

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

Details	2005
Labor force participation rate (%)	38.78
Male participation rate	47.89
Female participation rate	28.51

Source: PHCB 2005

Note: Industry includes mining/quarring, manufacturing, electricity/gas/water, construction and retail wholesale trade, Service includes hotel/restaurant, transport/communication, finance/insurance, public administration/security, education and health service.

TABLE 15.1 : RENEWABLE NATURAL RESOURCES, PARO, 2009

Agriculture	2009
Wet land holding (Number)	
Holdings < 1 acre	n.a
Holdings 1-5 acres	n.a
Holdings >5 acres	n.a
Total wet land (Acres)	3894.4
Dry land holding (Number)	
Holdings < 1 acre	n.a
Holdings 1-5 acres	n.a
Holdings >5 acres	n.a
Total dry land (Acres)	8756.9
Orchard land holding (Number)	
Holdings < 1 acre	n.a
Holdings 1-5 acres	n.a
Holdings >5 acres	n.a
Total orchard (Acres)	816.0
Pasture land (Acres)	n.a

Source: Agriculture Sector, Paro Dzongkhag

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

Details	2005
Walking distance to road head (% of households)	
< 1 hr	91.6
1-2 hrs	3.4
2-5 hrs	4.3
> 5 hrs	0.6

Source: Socio-Economic and Demographic Indicators 2005.

TABLE 17.1 : NUMBER OF HOUSEHOLDS HAVING TELECOMMUNICATION,
PARO, 2005

Details	2005
Households with TV sets	2,582
Households owning computer	185
Households owning radios	5,383

Source: PHCB 2005.

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

Details	2008
Number of Dzongs*	4
Number of Chortens	n.a
Number of Lakhangs	162
Private	62
Community	69
Government	31
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	n.a
Nuns	48
Gelongs	819
Gomchens	105
Pawo/jomo/terda/nyerjom	n.a
Shedra	n.a
Gomdeys/Drubda	n.a
Cremation grounds	n.a
Community tshechus	n.a
Hot springs	n.a
Menchu	n.a
Pilgrimage sites (Nyes)	n.a
Drupchu	n.a
Number of Cultural industries and units	n.a
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, PARO, 2008

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

Source:GIS Infrastructure Mapping 2008

Note: * Included Ta Dzong, Druygel Dzong and Dobji Dzong. Lhakhang belonging to Dratshang(5) is included in Government and lhakhang belonging to Latruel and Kugayer (9) is included in private lhakhag.

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

Details	2005
Forest coverage (%)*	60.99
Households using fuel wood (%)	17.5
Households using electricity (%)	43.4
Number of Protected spring water sources	n.a
Number of Lakes	n.a

Source: PHCB 2005 and 10th FYP booklet.

Note: *obtained from 10th FYP booklet and the figure is not particularly for 2005.

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

Details	2007
Population below total poverty line (%)*	3.9
Households below total poverty line (%)*	3.1
Population below food poverty line (%)*	0.6
Households below food poverty line (%)*	0.4
Households availing rural credit (%)	n.a
Average annual household expenditure (Nu.)	n.a
Landless households (%)	38.8
Dependency	
Child dependency ratio	42.7
Old age dependency ratio	8.1
Overall dependency ratio	53.8
Housing condition	
Household with straw/leaves roof (%)	0.0
Household with bamboo roof (%)	0.6
Household with metal roof (%)	71.1
Household with concrete/tiles roof (%)	1.0
Household with shingles roof (%)	24.2
Number of persons per room	n.a
Number of households living in own dwelling	3,646
Number of households living in rented house	3,472
Ownership of assets (Number)	
Households with land/plot	4,357
Households owning livestock	2,913
Households owning vehicle	1,168
Households owning refrigerator	1,588
Households owning washing machine	404
Households owning rice cooker	n.a

Source:PHCB 2005 and PAR 2007.

Note: *obtained from PAR 2007 and the figures are for the year 2007, not for the year 2005.