



**ANNUAL DZONGKHAG STATISTICS
2010**



**Dzongkhag Administration
DAGANA**

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Published by
National Statistics Bureau

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First Issue
Catalogue No. 104

DAGANA DZONGKHAG



GEWOG CENTRE

Scale:1:190,000

11,000 5,500 0 11,000 Meters



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Preface

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

Dagana Dzongkhag is located in the southern part of the country. It covers an area of 1389 Sq. Km, with an elevation ranging from 600 to 3800 meters above the sea level. About 83 percent of the Dzongkhag is under forest cover. It has a total projected population of 25,070, out of which 12,644 are male and 12,427 are female as of 2010.

Dagana is bordered by Thimphu and Chukha Dzongkhag in the West, Wangdue Dzongkhag in the north, Tsirang Dzongkhag in the East and the Indian State of West Bengal in the South. The Dzongkhag falls within the temperate and sub-tropical zone with hot and wet summer and dry cold winter.

The Dzongkhag has one Dungkhag, that is, Lhamoizingkha and 14 Gewogs viz. Deorali, Lhamoizingkha, Nichula, Dorona, Drujegang, Gesarling, Goshi, Kana, Khebisa, Lajab, Tashiding, Tsendagang, Tsangkha and Tseza. The Dzongkhag has two constituencies viz. Drujeygang-Tseza Constituency and Lhamoizingkha-Tashiding Constituency.

Most settlements are remote and do not have road connectivity. This combined with the rugged terrain makes the delivery of services difficult and costly. The Dzongkhag has 8 BHUs, 23 Schools supplemented by Extended Class Rooms and Out Reach Clinics.

Agriculture farming is the main source of income of the Dzongkhag. The climatic conditions are favorable for growing different types of crops such as paddy, maize, millet, mandarin, cardamom, banana, passion fruit, pear, avocado, and vegetables such as broccoli, cauliflower, cabbage, potato, chilies, and tomatoes.

Dagana is a historically significant Dzongkhag in that it served as the seat of Daga Penlop and later as Daga Dzongpon for many years. It has many secret sites and monuments such as Daga Tashi Yangtshi, Do Namkhai Kaw, Do Kelpai Goenthey and Tha Namkhai Dzong , Do Phamai Nye, Do Dungchen Menchu, Do Dungkar and Wachen Nye .

Abbreviations

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

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ISBN-978-99936-28-08-8

TABLE 1.1: GENERAL INFORMATION, DAGANA, 2005 TO 2010

Details	2005	2006	2007	2008	2009	2010
Dzongkhag area (Sq. Km)	1389	1389	1389	1389	1389	1389
Population (Number)	18222	23136	23610	24091	24578	25070
Population density (Persons per Sq. Km)	13	17	17	17	18	18
Population sex ratio	101	103	102	102	102	102
Administration (Number)						
Drungkhags	0	0	1	1	1	1
Gewogs	9	9	14	14	14	14
Chiwogs	59	59	74	74	74	74
Villages	131	131	173	173	173	173
Households	3485	3485	4350	4350	4350	4350
Towns	4	4	5	5	5	5

Source: Gewog Administration, Dagana 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, DAGANA, 2007 TO 2009

Details	2007	2008	2009
Local governance (Number)***			
Total Gewog Tshogpas	71	71	71
Male	69	69	69
Female	2	2	2
Total Mangmis	14	14	14
Male	14	14	14
Female	0	0	0
Total Chupons	99	99	99
Male	91	91	91
Female	8	8	8
DYT members	22	29	29
Male	21	29	29
Female	1	0	0
GYT members	99	99	99
Male	97	97	97
Female	2	2	2
Polling stations	N.A	43	43
Eligible voters (18 years and above)*	N.A	n.a	17232
Male	N.A	n.a	8433
Female	N.A	n.a	8799
Parliamentarians	0	3	3
Male	0	3	3
Female	0	0	0
Total Dzongkhag Adm. Staff **	n.a	470	547
Male	n.a	374	434
Female	n.a	96	113
Police stations	3	3	3

Source:***Gups.** HR Section.*Election Section, Dagana Dzongkhag

Note:Total staff includes field staffs. Like teacher, health staff and both GSP & ESP staffs

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

Age-group by sex	2005	2006	2007	2008	2009	2010
Total	18222	24442	24899	24091	24578	25070
0-4	2031	2450	2617	2783	2948	3111
5-9	2396	2408	2356	2313	2278	2252
10-14	2633	2591	2564	2529	2492	2454
15-19	2262	2546	2568	2586	2597	2597
20-24	1465	2391	2422	2451	2479	2506
25-29	1292	2141	2195	2244	2290	2334
30-34	1084	1781	1851	1922	1994	2062
35-39	976	2795	2822	2849	1636	2909
40-44	825	1209	1258	1310	1363	1415
45-49	803	995	1026	1059	1096	1137
50-54	662	821	847	874	903	932
55-59	512	674	692	711	733	756
60-64	436	544	557	572	587	586
65+	845	1096	1124	1153	1184	1216
Male	9168	11717	11944	12174	12408	12644
0-4	1041	1187	1269	1351	1433	1513
5-9	1213	1173	1146	1124	1106	1093
10-14	1355	1272	1257	1238	1219	1199
15-19	1053	1268	1274	1279	1281	1278
20-24	721	1229	1237	1243	1249	1255
25-29	632	1119	1145	1169	1189	1207
30-34	543	942	977	1012	1048	1081
35-39	483	789	815	841	868	899
40-44	410	633	661	691	721	750
45-49	406	516	532	550	570	593
50-54	329	424	437	451	466	482
55-59	281	346	355	365	376	388
60-64	235	277	283	291	299	307
65+	466	542	556	569	584	599
Female	9054	12725	12955	13182	12171	12427
0-4	990	1263	1348	1432	1516	1598
5-9	1183	1235	1210	1189	1172	1159
10-14	1278	1319	1307	1291	1273	1255
15-19	1209	1278	1294	1307	1316	1319
20-24	774	1162	1185	1208	1230	1251
25-29	660	1022	1050	1075	1101	1127
30-34	541	839	874	910	946	981

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

Age-group by sex	2005	2006	2007	2008	2009	2010
40-44	415	576	597	619	642	665
45-49	397	479	494	509	526	544
50-54	333	397	410	423	436	450
55-59	231	328	337	346	357	368
60-64	201	267	274	281	289	279
65+	379	554	568	584	599	617

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 ,DAGANA, 2008 TO 2010

Details	GPS	PS	ISS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
2008											
Number of schools and institutions	15	1	3	2	0	0	0	0	63	0	84
Teaching staff	59	6	40	34	0	0	0	0	55	0	194
Bhutanese	n.a	n.a	n.a	n.a	n.a	n.a	n.a	n.a	55	0	55
Male	n.a	n.a	n.a	n.a	n.a	n.a	n.a	n.a	22	0	22
Female	n.a	n.a	n.a	n.a	n.a	n.a	n.a	n.a	33	0	33
Non-Bhutanese	n.a	n.a	n.a	n.a	n.a	n.a	n.a	n.a	0	0	0
Male	n.a	n.a	n.a	n.a	n.a	n.a	n.a	n.a	0	0	0
Female	n.a	n.a	n.a	n.a	n.a	n.a	n.a	n.a	0	0	0
Temporary teachers	0	0	5	3	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	2,960	306	1,680	903	0	0	0	0	1,393	0	7,242
Male	1,495	153	872	455	0	0	0	0	585	0	3,560
Female	1,465	153	808	448	0	0	0	0	808	0	3,682
Student to teacher ratio	50	51	42	27	0	0	0	0	25	0	37
2009											
Number of schools and institutions	15	0	5	2	1	0	0	3	55	0	81
Teaching staff											

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

Details	GPS	PS	ISS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
Bhutanese	86	0	58	33	13	0	0	0	53	0	243
Male	59	0	39	23	8	0	0	0	23	0	152
Female	27	0	19	10	5	0	0	0	30	0	91
Non-Bhutanese	1	0	5	3	7	0	0	0	0	0	16
Male	1	0	5	3	7	0	0	0	0	0	16
Female	0	0	0	0	0	0	0	0	0	0	0
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	2,742	0	1,968	1,234	412	0	0	70	900	0	7,326
Male	1,373	0	1,058	648	215	0	0	32	405.0	0	3,731.0
Female	1,369	0	910	586	197	0	0	38	495.0	0	3,595.0
Student to teacher ratio	33	0	39	40	39	0	0	0	17	0	
2010											
Number of schools and institutions	15	0	4	3	1	0	0	5	56	0	84
Teaching staff	105	0	52	71	27	0	0	0	56	0	311
Bhutanese	105	0	52	63	18	0	0	0	56	0	238
Male	76	0	33	47	12	0	0	0	22	0	190
Female	29	0	19	16	6	0	0	0	34	0	104

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

Details	CPS	PS	LSS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
Non-Bhutanese	0	0	0	8	9	0	0	0	0	0	17
Male	0	0	0	8	9	0	0	0	0	0	17
Female	0	0	0	0	0	0	0	0	0	0	0
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	2,768	0	1,463	2,127	499	0	0	137	915	0	7,909
Male	1,396.0	0.0	763.0	1,113.0	272.0	0.0	0.0	66.0	394.0	0.0	4,004.0
Female	1,372.0	0.0	700.0	1,014.0	227.0	0.0	0.0	68.0	521.0	0.0	3,902.0
Student to teacher ratio	26	0	28	30	18	0	0	0	16	0	25

Source: Education Sector, Dagana Dzongkhag

Note: 1. In other Inst. ECR are included

2. Teacher total for ECR are included in their parent schools.

TABLE 3.2: SCHOOL ENROLMENT BY LEVEL OF EDUCATION, DAGANA,
2008 TO 2010

Class	2008	2009	2010
Primary level			
Total	4679	5027	5232
Class PP	661	870	760
Class I	791	723	847
Class II	831	767	723
Class III	715	807	756
Class IV	690	696	829
Class V	514	656	656
Class VI	477	508	661
Male	2378	2571	2658
Class PP	321	459	382
Class I	399	360	452
Class II	427	405	353
Class III	363	403	407
Class IV	331	362	408
Class V	274	321	329
Class VI	263	261	327
Female	2301	2456	2574
Class PP	340	411	378
Class I	392	363	395
Class II	404	362	370
Class III	352	404	349
Class IV	359	334	421
Class V	240	335	327
Class VI	214	247	334
Secondary level			
Total	982	1399	#REF!
Class VII	#REF!	450	#REF!
Class VIII	346	383	425
Class IX	239	311	432
Class X	0	200	252
Class XI	0	55	65
Class XII	0	0	50
Male	491	755	955
Class VII	190	253	269
Class VIII	178	188	243
Class IX	123	172	215

TABLE 3.2 (contd.): SCHOOL ENROLMENT BY LEVEL OF EDUCATION,
DAGANA, 2008 TO 2010

Class	2008	2009	2010
Class X	0	106	149
Class XI	0	36	47
Class XII	0	0	32
Class VIII	168	195	182
Class IX	116	139	217
Class X	0	94	103
Class XI	0	19	18
Class XII	0	0	18

Source: Education Sector, Dagana Dzongkhag

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

Details	2008	2009	2010
Students in primary school level (Class PP-VI)			
Total	n.a	5021	5250
Age < 6 years	n.a	9	68
Age 6-12 years	n.a	3414	3547
Age 13 & above	n.a	1598	1732
Male	n.a	2531	2735
Age < 6 years	n.a	4	33
Age 6-12 years	n.a	1716	1784
Age 13 & above	n.a	811	918
Female	n.a	2490	2612
Age < 6 years	n.a	5	35
Age 6-12 years	n.a	1698	1763
Age 13 & above	n.a	787	814
Student in LSS level (Class VII-VIII)			
Total		863	950
Age < 13 years	n.a	5	13
Age 13-14 years	n.a	145	146
Age 15 & above	n.a	731	791
Male		444	495
Age < 13 years	n.a	2	7
Age 13-14 years	n.a	53	65
Age 15 & above	n.a	389	423
Female		419	455
Age < 13 years	n.a	3	6
Age 13-14 years	n.a	92	81
Age 15 & above	n.a	342	368
Students in MSS level (Class IX-X)			
Total	n.a	520	679
Age < 15 years	n.a	8	9
Age 15-16 years	n.a	107	126
Age 17 & above	n.a	405	544
Male		281	360
Age < 15 years	n.a	5	4
Age 15-16 years	n.a	51	58
Age 17 & above	n.a	225	298
Female		239	319
Age < 15 years	n.a	3	5

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

Details	2008	2009	2010
Age 15-16 years	n.a	56	68
Age 17 & above	n.a	180	246
Students in HSS level (Class XI-XII)			
Total		57	115
Age < 17 years	n.a	15	3
Age 17-18 years	n.a	25	19
Age 19 & above	n.a	17	93
Male		38	79
Age < 17 years	n.a	10	2
Age 17-18 years	n.a	15	10
Age 19 & above		13	67
Female		19	36
Age < 17 years	n.a	5	1
Age 17-18 years	n.a	10	9
Age 19 & above	n.a	4	26

Source: Education Sector, Dagana Dzongkhag

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

Details	2008	2009	2010
Number of schools with toilet facilities			
Flush toilet	n.a	n.a	n.a
Pit latrine	n.a	23	23
Other type	n.a	0	0
No toilet	n.a	5	5
Number of schools with water facilities			
Tap/pipe water	n.a	23	23
Pond/spring	n.a	0	0
Stream	n.a	0	0
Other	n.a	0	0

Source: Education Sector, Dagana Dzongkhag

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

Details	2007	2008	2009
Number of hospitals	0	1	1
Number of BHUs	8	8	8
BHU grade I	2	2	2
BHU grade II	6	6	6
Number of ORCs	n.a	n.a	22
Number of indigenous units	2	2	3
Number of doctors	2	2	2
Number of hospital/BHU beds	20	20	20
Persons per doctor	11753	11095	7303
Persons per hospital bed	1175	1109	548
Total morbidity attendance	10497	12425	24294
Health Assistants	9	13	13
Basic health workers	7	10	11
Sister and nurses	2	8	8
Technicians	4	8	14
Indigenous dungtsho	1	1	1
Indigenous compounders/Menpas	1	2	2
Malaria workers	2	2	2
Village health workers	42	50	62
Births attended by skilled personnel	23	42	24
Number of births in medical facility	88	90	111
Number of children immunized			
Polio	498	513	448
DPTH	495	513	448
Measles	460	528	487
Others	661	635	619
Family planning acceptors by type			
Condom distributed	48366	47308	57105
Pills	1973	2623	2980
Injection DMPA	2878	3319	3711
IUD	33	40	51
Vasectomy	620	682	587
Tubectomy	63	128	110
Others	0	0	0

Source: Health Sector, Dagana Dzongkhag

Note: Figures for Polio&DPTH are for 3rd dose. Others = BCG & OPVD. Person per Bed & Doctor

TABLE 4.2: TOP TEN MORBIDITY, DAGANA,2009

Type of diseases (Incidence)	2009
other eye disorder	1311
conjunctivities	1336
dysentery	1440
other respiratory & nose diseases	1688
acute pharyngitis/tonsilitis	2046
other disease of the digestive system	2180
other disorder of skin	2254
other nervous including periheral disorders	2704
diarrhoea	2815
skin infection	3718
common cold	8936

Source: Health Sector, Dagana Dzongkhag

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

Details	2007	2008	2009
Trade and Industries (Number)			
Micro & retail trade licences issued	65	96	160
Micro & retail trade licences in operation	n.a	n.a	n.a
Wholesale trade licences issued	1	0	1
Wholesale trade licences in operation	n.a	n.a	n.a
Services licences issued	24	35	42
Services licences in operation	n.a	n.a	n.a
Manufacturing licenses issued	n.a	2	1
Manufacturing licenses in operation	n.a	n.a	n.a
Public Transport operators (Numbers)			
Bus	2	2	2
Taxi	n.a	n.a	n.a
Others	0	0	0
Industries by type (Number)			
Agro based	0	0	1
Forestry based	0	1	1
Mineral based	0	1	1
Others	554	589	636
Industries by scale (Number)			
Large	0	1	n.a
Medium	2	0	n.a
Small	5	6	n.a
Cottage	265	298	n.a
Contract firms (Number)	282	286	291
A	1	1	1
B	0	0	0
C	9	9	10
D (Petty)	272	276	280

Source: Regional Trade and Industry Office, Gelephu

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

Agriculture	2005	2006	2007	2008
Irrigation for agriculture				
Number of irrigation channels	242	242	242	242
Functional	240	240	240	240
Non Functional	2	2	2	2
Total length of channels (Km)	427.94	427.94	427.94	427.94
Area covered by irrigation (Acres)	4885	4885	4885	4885
Number of households benefitted	n.a	n.a	n.a	n.a
Number of food processing units	n.a	n.a	n.a	n.a
Number of agriculture mills	n.a	n.a	n.a	99
Number of livestock product processing units	0	0	0	1
Number of farmer association/groups				
Agriculture	n.a	n.a	n.a	n.a
Livestock	0	0	0	0
Forestry	n.a	n.a	n.a	7
Number of power tillers	n.a	n.a	n.a	13

Source : Agriculture Sector & Forestry Sector, Dagana Dzongkhag

Note: .For Agriculture Mills-RNR census 2009

TABLE 6.2: AGRICULTURAL PRODUCTION, DAGANA, 2007 TO 2009

Details	2007	2008	2009
Paddy			
Area (Acres)	6932	n.a	3967
Production (MT)	6807	n.a	3168
Price per Kg(Nu.)	n.a	n.a	n.a
Maize			
Area (Acres)	10066	n.a	7515
Production (MT)	7737	n.a	4738
Price per Kg(Nu.)	n.a	n.a	25
Wheat			
Area (Acres)	594	150.7	90
Production (MT)	269	115	40
Price per Kg(Nu.)	n.a	n.a	n.a
Barley			
Area (Acres)	73	103.2	38
Production (MT)	35	73.08	11
Price per Kg(Nu.)	n.a	n.a	n.a
Buckwheat			
Area (Acres)	1722	489.3	1115
Production (MT)	573	312	343
Price per Kg(Nu.)	n.a	n.a	n.a
Millet			
Area (Acres)	2528	884.04	1115
Production (MT)	1111	484.11	343
Price per Kg(Nu.)	n.a	n.a	n.a
Fruits			
Apples			
Number of fruit bearing trees	987	n.a	1053
Production (Kg)	3000	19000	19000
Production (Nu.)			
Oranges/ Mandarin			
Number of fruit bearing trees	332710	n.a	232614
Production (Kg)	17455000	6,357,000	6497000
Production (Nu.)			
Banana			
Number of fruit bearing trees	n.a	n.a	n.a
Production (Kg)	n.a	n.a	n.a

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

Details	2007	2008	2009
Production (Nu.)	n.a	n.a	n.a
Number of fruit bearing trees	4593	n.a	1311
Production (Kg)	474000	223000	197000
Production (Nu.)			
Plum			
Number of fruit bearing trees	878	n.a	535
Production (Kg)	26000	19000	27000
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)	2687000	1,146,270	292000
Production (Nu.)			
Chili			
Production (kg)	192000	254360	84000
Production (Nu.)			
Onion			
Production (kg)	n.a	125000	9000
Production (Nu.)			
Cabbage			
Production (kg)	73000	31790	27000
Production (Nu.)			
Cauliflower			
Production (kg)	34000	17460	7000
Production (Nu.)			
Asparagus			
Production (Bundles)	n.a	1310	990
Production (Nu.)			
Tomato			
Production (Kg)	43000	39260	5000
Production (Nu.)			
Carrot			
Production (Kg)	10000	12310	3000
Production (Nu.)			
Egg Plant (Brinjal)			
Production (Kg)	14000	n.a	4000

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

Details	2007	2008	2009
Raddish			
Production (Kg)	336000	253250	121000
Production (Nu.)			
Ginger			
Production (Kg)	228000	126110	39000
Production (Nu.)			
Cardamom			
Production (Kg)	564000	116190	25000
Production (Nu.)			
Garlic			
Production (Kg)	54000	60200	15000
Production (Nu.)			
Oil seeds and legumes			
Lentils			
Production (Kg)	n.a	n.a	n.a
Production (Nu.)			
Mustards			
Production (Kg)	281000	275030	54000
Production (Nu.)			
Beans			
Production (Kg)	243000	176040	63000
Production (Nu.)			

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

TABLE 6.3: LIVESTOCK POPULATION, DAGANA, 2007 TO 2009

Details	2007	2008	2009
Livestock (Number)			
Cattle	14966	16176	14098
Local breed	n.a	12690	12268
male	n.a	5389	6122
Female	n.a	7301	6146
Improved breed	n.a	3486	1768
male	n.a	1298	699
Female	n.a	2188	1069
Mithun	n.a	764	14
Bufallo	30	50	48
Male	n.a	7	9
Female	n.a	43	39
Horse	410	449	275
Local breed	410	449	270
Improved breed	0	0	5
Yak	0	0	0
Male	0	0	0
Female	0	0	0
Sheep	491	496	391
Local breed	n.a	n.a	n.a
Improved breed	n.a	n.a	n.a
Pig	1889	2086	1842
Local breed	1538	1730	1219
Improved breed	351	356	623
Poultry	17863	19071	17831
Local breed	16875	17594	13747
Improved breed	988	1477	4084
Goat	3964	4340	4573

Source :Live stock sector, Dagana Dzongkhag and rnrstat-2007& 2008

Note: Figure for mithun of 2009 is for pure mithun.

Table 6.4: LIVESTOCK PRODUCTS, DAGANA, 2007 TO 2009

Details	2007	2008	2009
Livestock products			
Fresh Milk (Liters)	421940	390845	765711
Butter (Kg)	2510	25771	29703
Fresh Cheese (Kg)	93900	94799	54756
Processed cheese (kg)	n.a	n.a	n.a
Eggs (Dozen)	21876	22015.9167	61189.667
Fish (Kg)	n.a	n.a	1224
Beef (Kg)	8560	10309	4320
Pork (Kg)	38860	41662	18162
Yak Meat (Kg)	0	0	0
Mutton (Kg)	18220	19674	8220
Honey (Gm)	n.a	n.a	n.a
Chicken (Kg)	18710	20432	24802

Source : Livestock sector, Dagana Dzongkhag

Table 6.5: FORESTRY PRODUCTS, DAGANA, 2007 TO 2009

Details	2007	2008	2009
Wood Forest Product			
Log Form (Cft)	760 nos	1192 nos	1210nos
Fire wood (Cubic metres)	n.a	828	34
Flag Poles (Number)	200	136	248
Shinglap (Number of trees)	2	n.a	11
Cham (Number of trees)	1245	1758	2658
Tsim (Number of trees)	272	263	683
Non-Wood Forest Product			
Mushroom (Kg)	n.a	n.a	n.a
Mushroom (Nu.)	n.a	n.a	n.a
Medicinal and Aromatic plants (Kg)	n.a	n.a	n.a
Cordyceps (Kg)	N.A	N.A	N.A
Cordyceps (Nu.)	N.A	N.A	N.A
Sand (Truck Load)	n.a	n.a	n.a
Stones (Truck Load)	2477	2855.5	3194
Bamboo (Number)	1722	1666	3120
Cane (Bundles)	25	31	32
Lemon grass (Kg)	N.A	N.A	N.A

Source : Range Office, Dagana Dzongkhag

Note: Figures from Lamozingkha Dungkhag are not included under forestry products

TABLE 7.1: INFRASTRUCTURE, DAGANA, 2007 TO 2009

Details	2007	2008	2009
Roads (Length in Km)*	n.a	160	181
Farm roads	n.a	43.1	47.65
Feeder roads	29.5	29.5	29.5
Forest roads	0	0	0
Highways/Dzongkhag roads	87	87	87
Bridges (Number) **			
Suspension bridges	n.a	16	n.a
Suspended	n.a	n.a	n.a
Bailey bridges	n.a	8	n.a
Traditional bridges	n.a	n.a	n.a
Auto workshop centres	1	1	2
Bus stations	2	2	2
Post offices	2	2	2
Banks	1	1	1

Source:Engineering Sector, Dagana Dzongkhag

Note: **GIS Infrastructure 2008,* SYB, NSB

TABLE 8.1: TELECOMMUNICATION, DAGANA 2007 TO 2009

Details	2007	2008	2009
Telecommunications (Number)			
Households with fixed telephone connections	384	n.a	305
Community information centres	0	0	1
Gewogs accessible to mobile services	n.a	n.a	14
Households with internet access	n.a	n.a	n.a

Source:Bhutan Telecom,Dagana Dzongkhag

TABLE 9.1: ENVIRONMENT, DAGANA, 2007 TO 2009

Details	2007	2008	2009
Total cultivated land (Acres)	n.a	n.a	n.a
Temperature (Degree Celcius)*			
Avg. Max (Annual)	18.4	18.3	n.a
Avg. Min (Annual)	13	12.9	n.a
Rainfall (Millimeter)			
Avg. Annual rainfall*	1432.667	1070.73	n.a
Number of snowfall occurred at Dzongkhag head quarter	0	0	0
Damages caused by landslides			
Farmland (acres)	n.a	n.a	n.a
Houses (Number)	n.a	n.a	n.a
Roads (Km)	n.a	n.a	n.a
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	2
Houses damaged by earthquakes (Number)	n.a	n.a	n.a
Number of forest fires***	0	0	1
Acreage destroyed by forest fires***	0	0	200
Acreage of reforestation ***	n.a	15	27.3
Houses/structures damaged by fires (Number)	n.a	n.a	n.a
Mining sites (Number)**	2	1	1
Quarry sites (Number)**	0	0	0
Municipal waste disposal sites (Number)**	0	0	0
Environmental clearance issued **	10	22	40

Source:**Environment Sector,***Forestry Sector,Dagana Dzongkhag *SYB, NSB

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

(in million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	36.178	17.1	n.a	44.9
Agriculture	15.561	0.508	n.a	13.5
Livestock	11.962	14.52	n.a	21
Forestry	5.024	8.211	n.a	13.7
Education	73.022	87.055	n.a	n.a
Health	30.308	18.33	n.a	86.8
Urban Development & Housing	0.786	60.928	n.a	93.7
Roads	7.381	0	n.a	n.a
Bhutan post	0	0	n.a	n.a
Telecommunication	0	0	n.a	n.a
Power	5.168	0	n.a	n.a
Trade & Industry	0	0	n.a	n.a
Total	11.802	108.459	n.a	n.a
Total plan outlay	197.192	315.11	n.a	n.a

Source: Planning Unit, Dagana Dzongkhag

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

(in million Nu.)

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

Source: Planning Unit, Dagana Dzongkhag

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

(In million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	4.38	23.902	n.a	17.745
Agriculture	0.037	14.756	n.a	117.097
Livestock	0	3.108	n.a	1.562
Forestry	2.975	3.162	n.a	2.376
Health	0	27.925	n.a	17.666
School	18.4	26.747	n.a	n.a
MoWHS	0	7.8	n.a	10.979

Source: Planning Unit, Dagana Dzongkhag

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

(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
Health	n.a	n.a	n.a	n.a
School	n.a	n.a	n.a	n.a
MoWHS	n.a	n.a	n.a	n.a

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

Details	2005
Primary school level (Class PP-VI)	
Gross enrolment ratio	77.9
Net enrolment ratio	57.1
LSS level (Class VII-VIII)	
Gross enrolment ratio	69.2
Net enrolment ratio	25.2
MSS level (Class IX-X)	
Gross enrolment ratio	31.7
Net enrolment ratio	10.9
HSS level (Class XI-XII)	
Gross enrolment ratio	2.2
Net enrolment ratio	4.7

Source: Socio-Economic and Demographic Indicators 2005

TABLE 11.2 : LITERACY RATE BY SEX,DAGANA,2005

Literacy rate	2005
Male	61.3
Female	39.8
15-24 years	
Male	71.8
Female	56.4

Source: Socio-Economic and Demographic Indicators 2005

TABLE 11.3 : DISTANCE TO THE NEAREST SCHOOL,DAGANA,2005

Details	2005
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, DAGANA,2005

Details	2005
Population covered by health care (%)	n.a
Population access to safe drinking water (%)	61.5

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,DAGANA, 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	56
Stream water	41.5
Other sources	2.5
With toilet facility	2999
Without toilet	486

Note: Stream water includes spring, river and pond

Source:PHCB 2005

TABLE 13.1: DISTANCE TO NEAREST MARKET BY HOUSEHOLDS, DAGANA

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 : NUMBER OF HOUSEHOLDS ACCESS TO CREDIT FACILITIES,
DAGANA, 2009

Details	2009
Households by access to credit/loan facilities	
Bank	357*
BDFC	256
Relatives/friends	n.a

Source: BOB & BDFC, Dagana

Note:* Total loan account holder as of Dec.2009.

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

Details	2005
Total labour force (Number)	8386
Total employed (%)	98.9
Male	98.5
Female	99.4
Unemployment rate	1.06
Total employed in Agriculture (%)	76.32
Male	46.78
Female	53.22
Total employed in Industries (%)	9.01
Male	13.4
Female	4.15
Total employed in Services (%)	4.99
Male	7.4
Female	2.4
Total unemployed by area (%)	1.06
Urban	0.14
Rural	0.92
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	4.8
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 (%)	46.02
Male participation rate	n.a
Female participation rate	n.a

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, DAGANA, 2008

Agriculture	2008
Wet land holding (Number)	
Holdings < 1 acre	n.a
Holdings 1-5 acres	n.a
Holdings >5 acres	n.a
Total wet land (Acres)	4244
Dry land holding (Number)	
Holdings < 1 acre	n.a
Holdings 1-5 acres	n.a
Holdings >5 acres	n.a
Total dry land (Acres)	11106.5
Orchard land holding (Number)	
Holdings < 1 acre	n.a
Holdings 1-5 acres	n.a
Holdings >5 acres	n.a
Total orchard (Acres) *	1852
Pasture land (Acres)	n.a

Source: RNR census-2009

Note: * for cash crop land holding

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

Details	2005
Walking distance to road head (% of households)	
< 1 hr	60.1
1-2 hrs	11.8
2-5 hrs	17.7
> 5 hrs	10.3

Source: Socio-Economic and Demographic Indicators 2005.

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

Details	2005
Households with TV sets	232
Households owning computer	12
Households owning radios	2345

Source: PHCB 2005.

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

Details	2008
Number of Dzongs	1
Number of Chortens	3
Number of Lhakhangs	18
Private	5
Community	2
Government	9
Number of Temples	
Private	2
Community	0
Government	0
Number of Chukhor/Dungkhor	0
Number of religious personnel, centres and sites	
Nuns	3
Gelongs	266
Gomchens	9
Pawo/jomo/terda/nyerjom	0
Shedra	0
Gomdeys/Drubda	2
Cremation grounds	2
Community tshechus	3
Hot springs	0
Menchu	11
Pilgrimage sites (Nyes)	15
Drupchu	0
Number of Cultural industries and units	
Movie making	0
Weaving centre	0
Dapa/phop	0
Wood and craft	0
Bhutanese paper manufacturing	0
Number of households manufacturing	
Dung	0
Jaling	0
Drum (nga)	0
Bangchung	0
Tshazow	0

TABLE 18.1 (contd.): NUMBER OF CULTURAL INFRASTRUCTURE AND RELIGIOUS PERSONNEL, DAGANA, 2008

Details	2008
Number of centres performing arts	
Singing/Dancing	0
Mask Dances	0

Source: GIS Infrastructure Mapping 2008

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

Details	2005
Forest coverage (%) *	83.25
Households using fuel wood (%)	86.1
Households using electricity (%)	13
Number of Protected spring water sources	n.a
Number of Lakes	0

Source: For forest coverage-GNHC 10 FYP document and rest from Socio-Economic and Demographic Indicators 2005

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

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

Details	2005
Population below total poverty line (%)*	31.1
Households below total poverty line (%)*	21.9
Population below food poverty line (%)*	9.7
Households below food poverty line (%)*	5.8
Households availing rural credit (%)	n.a
Average annual household expenditure (Nu.)	na
Landless households (%)	
Dependency	
Child dependency ratio	49.23
Old age dependency ratio	7.6
Overall dependency ratio	56.8
Housing condition	
Household with straw/leaves roof (%)	0.77
Household with bamboo roof (%)	16.8
Household with metal roof (%)	1.23
Household with concrete/tiles roof (%)	29.44
Household with shingles roof (%)	18.02
Number of persons per room	0.2
Number of households living in own dwelling	2431
Number of households living in rented house	1054
Ownership of assets (Number)	
Households with land/plot	2926
Households owning livestock	1941
Households owning vehicle	86
Households owning refrigerator	65
Households owning washing machine	8
Households owning rice cooker	n.a

Source:PHCB 2005 and *PAR 2007.