



Annual Dzongkhag Statistics 2010



Dzongkhag Administration
CHUKHA

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Published by

National Statistics Bureau

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First Issue

Catalogue No. 104

CHUKHA DZONGKHAG



GEWOG CENTRE

Scale: 1:210,000



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Preface

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

Chukha Dzongkhag was established in April 1987, coinciding with the beginning of the Sixth Five Year Plan. Chukha Dzongkhag covers an area of 1,882.38 Sq.Km with elevations ranging from 200 to 3500m above sea level. It has a total arable land of 4.63 percent of the total land. The average landholding is 5.6 acres per household. The Dzongkhag has one Drungkhag and 11 Gewogs; Viz. Sampheling, Darla, Lokchina, Phuentsholing, Bongo, Bjachho, Chapcha, Dungna, Getena, Geling, Metakha.

Chukha is the main entry and exit point for import and export as well as the commercial hub of the country. Chukha and Darla hydro power plants, which are key sources of national income, are also located in Chukha Dzongkhag and has a comparative economic advantage over other Dzongkhags.

Majority of the people depend on livestock and subsistence agricultural farming. Mandarin, potatoes and cardamom are the principal cash crops in the Dzongkhag. Despite favorable climatic conditions, farm productivity is low due to rugged terrain and limited farming infrastructure and facilities.

The Dzongkhag has 3 hospitals, 10 BHUs and 39 schools including 2 private schools in Phuentsholing. With 199 drinking water supply schemes, over 62 percent of the population have access to piped drinking water supply.

Phuentsholing, Darla, Sampheling, Chapcha and Logchina Gewogs have fairly good road network, electricity, telephones connection, water supply, health and education coverage with high income levels and good living conditions. On the other hand, Getena, Dungna, Metakha, Geling and Bongo Gewogs are very remote and relatively poor.

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, CHUKHA, 2005 TO 2010

Details	2005	2006	2007	2008	2009	2010
Dzongkhag area (Sq. Km)	1,802	1,802	1,802	1,802	1,802	1,802
Population (Number)	74,387	75,749	77,132	78,529	79,942	81,364
Population density (Persons per Sq. Km)	41	42	43	44	44	45
Population sex ratio	131	131	131	131	131	131
Administration (Number)						
Drungkhags	1	1	1	1	1	1
Gewogs	11	11	11	11	11	11
Chiwogs	127	127	127	127	127	127
Villages	169	169	169	169	169	169
Households	14,482	14,482	14,482	14,482	14,482	14,482
Towns	6	6	6	6	6	6

Source: 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, CHUKHA, 2007 TO 2009

Details	2007	2008	2009
Local governance (Number)			
Total Gewog Tshogpas	127	127	124
Male	n.a	123	121
Female	n.a	4	3
Total Mangmis	11	11	11
Male	10	8	8
Female	1	3	3
Total Chupons	127	127	127
Male	n.a	123	123
Female	n.a	4	4
DYT members	23	23	23
Male	20	20	20
Female	3	3	3
GYT members	145	145	146
Male	139	139	140
Female	6	6	6
Polling stations	72	73	73
Eligible voters (18 years and above)	n.a	18,268	19,062
Male	n.a	n.a	n.a
Female	n.a	n.a	n.a
Parliamentarians	2	4	4
Male	1	3	3
Female	1	1	1
Total Dzongkhag Adm. Staff	n.a	n.a	834
Male	n.a	n.a	497
Female	n.a	n.a	337
Police stations	4	4	4

Source: Election Sector & DYT Secretaty Office, Chukha Dzongkhag

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

Age-group by sex	2005	2006	2007	2008	2009	2010
Total	74,387	75,749	77,132	78,529	81,953	81,364
0-4	6,960	7,978	8,504	9,027	9,544	10,052
5-9	7,811	7,845	7,659	7,503	7,375	7,274
10-14	7,961	8,453	8,342	8,210	8,072	7,934
15-19	7,881	8,321	8,370	8,407	8,421	8,401
20-24	9,994	7,840	7,922	7,994	8,061	8,127
25-29	8,701	7,039	7,199	7,344	7,476	7,598
30-34	6,095	5,864	6,078	6,301	6,520	6,724
35-39	5,437	4,900	5,045	5,193	5,355	5,538
40-44	3,859	3,974	4,129	4,293	4,459	4,622
45-49	3,104	3,269	3,364	3,464	3,577	3,705
50-54	2,176	2,695	2,773	2,857	2,944	3,036
55-59	1,423	2,209	2,264	2,324	2,388	2,458
60-64	1,030	1,782	1,822	1,866	1,912	1,962
65+	1,955	3,580	3,661	3,746	3,838	3,933
Male	42,298	43,073	43,852	44,632	45,417	46,202
0-4	3,515	4,363	4,659	4,953	5,244	5,529
5-9	3,889	4,311	4,208	4,121	4,050	3,994
10-14	3,961	4,678	4,614	4,539	4,461	4,383
15-19	3,830	4,663	4,678	4,689	4,688	4,670
20-24	6,281	4,516	4,541	4,557	4,571	4,586
25-29	5,420	4,115	4,205	4,285	4,353	4,410
30-34	3,754	3,463	3,586	3,712	3,835	3,949
35-39	3,426	2,902	2,992	3,082	3,178	3,285
40-44	2,436	2,326	2,426	2,532	2,638	2,741
45-49	1,975	1,897	1,955	2,016	2,086	2,166
50-54	1,346	1,558	1,605	1,655	1,707	1,761
55-59	845	1,270	1,303	1,339	1,377	1,418
60-64	550	1,017	1,040	1,066	1,093	1,122
65+	1,070	1,994	2,040	2,086	2,136	2,188
Female	32,089	32,676	33,280	33,897	36,536	35,162
0-4	3,445	3,615	3,845	4,074	4,300	4,523
5-9	3,922	3,534	3,451	3,382	3,325	3,280
10-14	4,000	3,775	3,728	3,671	3,611	3,552
15-19	4,051	3,658	3,692	3,718	3,733	3,731
20-24	3,713	3,324	3,381	3,437	3,491	3,540
25-29	3,281	2,924	2,994	3,059	3,123	3,189
30-34	2,341	2,401	2,492	2,589	2,685	2,775

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

Age-group by sex	2005	2006	2007	2008	2009	2010
35-39	2,011	1,998	2,053	2,111	2,177	2,253
40-44	1,423	1,648	1,703	1,761	1,821	1,881
45-49	1,129	1,372	1,409	1,448	1,491	1,539
50-54	830	1,137	1,168	1,202	1,238	1,274
55-59	578	939	961	985	1,012	1,040
60-64	480	765	782	800	819	840
65+	885	1,586	1,621	1,660	1,701	1,745

Source: PHCB 2005 & Population Projection

Note: Figures for the year 2006 onwards are based on the projected population

TABLE 3.1: NUMBER OF SCHOOLS, INSTITUTIONS, TEACHERS AND STUDENTS, CHUKHA, 2008 TO 2010

Details	CPS	PS	LSS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
2008											
Number of schools and institutions	17	4	7	5	2	2	2	n.a	40	n.a	79
Teaching staff											
Bhutanese	79	31	144	151	51	42	31	n.a	43	n.a	572
Male	54	16	55	73	30	38	17	n.a	24	n.a	307
Female	25	15	89	78	21	4	14	n.a	19	n.a	265
Non-Bhutanese	0	1	14	43	27	29	11	n.a	0	n.a	125
Male	0	0	8	29	17	25	4	n.a	0	n.a	83
Female	0	1	6	14	10	4	7	n.a	0	n.a	42
Temporary teachers	0	0	0	0	0	0	0	n.a	0	n.a	0
Male	0	0	0	0	0	0	0	n.a	0	n.a	0
Female	0	0	0	0	0	0	0	n.a	0	n.a	0
Number of students	2,377	946	5,484	4,899	1,665	787	700	n.a	951	n.a	17,809
Male	1,221	504	2,802	2,481	820	528	355	n.a	225	n.a	8,936
Female	1,156	442	2,682	2,418	845	259	345	n.a	726	n.a	8,873
Student to teacher ratio	30.1	29.6	34.7	25.3	21.3	11.1	16.7	n.a	22.1	n.a	191
2009											
Number of schools and institutions	18	5	7	4	3	2	2	n.a	36	n.a	77
Teaching staff											

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

Details	CPS	PS	LSS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
Bhutanese	65	42	148	113	105	55	28	n.a	43	n.a	599
Male	48	20	47	49	57	47	14	n.a	24	n.a	306
Female	17	22	101	64	48	8	14	n.a	19	n.a	293
Non-Bhutanese	0	0	15	36	36	35	10	n.a	0	n.a	132
Male	0	0	9	23	26	31	6	n.a	0	n.a	95
Female	0	0	6	13	10	4	4	n.a	0	n.a	37
Temporary teachers	15	5	9	5	3	0	2	n.a	0	n.a	39
Male	12	1	4	3	1	0	1	n.a	0	n.a	22
Female	3	4	5	2	2	0	1	n.a	0	n.a	17
Number of students	2,266	1,216	2,498	5,215	3,215	1,245	765	n.a	878	n.a	17,298
Male	1,133	638	1,227	2,617	1,611	787	382	n.a	209	n.a	8,604
Female	1,133	578	1,271	2,598	1,604	458	383	n.a	669	n.a	8,694
Student to teacher ratio	28.3	25.9	14.5	33.9	22.3	13.8	19.1	n.a	20.4	n.a	178
2010											
Number of schools and institutions	18	5	7	4	3	2	2	n.a	36	n.a	77
Teaching staff											
Bhutanese	72	41	71	115	114	131	22	n.a	51	n.a	617
Male	54	16	12	55	62	99	12	n.a	21	n.a	331
Female	15	25	59	60	52	32	10	n.a	30	n.a	283

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

Details	CPs	PS	LSS	MSS	HSS	College	Pvt.	Other Inst.	NFE Centres	Daycare Centres	Total
Non-Bhutanese	0	1	6	30	35	36	9	n.a	0	n.a	117
Male	0	0	3	20	25	31	6	n.a	0	n.a	85
Female	0	1	3	10	10	5	3	n.a	0	n.a	32
Temporary teachers	22	4	1	0	1	0	4	n.a	0	n.a	32
Male	18	1	0	0	0	0	4	n.a	0	n.a	23
Female	5	3	1	0	1	0	0	n.a	0	n.a	10
Number of students	2,174	1,206	1,662	2,585	3,125	1,245	734	n.a	956	n.a	13,687
Male	1,085	622	804	1,280	1,525	787	353	n.a	322	n.a	6,778
Female	1,089	584	858	1,305	1,600	458	381	n.a	634	n.a	6,909
Student to teacher ratio	23.1	26.2	21.3	17.8	20.8	7.5	21.0	n.a	18.7	n.a	17.9

Source: Education sector, Chukha Dzongkhag

Note: Students enrolled in NFE centers include (BLC+PLC)

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

Class	2008	2009	2010
Primary level			
Total	10,897	11,052	10,948
Class PP	1,882	1,702	1,680
Class I	1,722	1,870	1,637
Class II	1,626	1,695	1,730
Class III	1,336	1,553	1,650
Class IV	1,642	1,366	1,544
Class V	1,426	1,539	1,242
Class VI	1,263	1,327	1,465
Male			
Class PP	984	840	852
Class I	861	958	827
Class II	854	850	845
Class III	689	806	830
Class IV	836	690	780
Class V	735	772	625
Class VI	645	660	733
Female			
Class PP	898	862	828
Class I	861	912	810
Class II	772	845	885
Class III	647	747	820
Class IV	806	670	764
Class V	691	767	632
Class VI	618	667	732
Secondary level			
Total	5,174	5,378	5,583
Class VII	1,265	1,247	1,316
Class VIII	1,052	1,144	1,198
Class IX	1,037	1,049	1,075
Class X	873	804	876
Class XI	514	607	535
Class XII	433	527	583
Male			
Class VII	621	638	642

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

Class	2008	2009	2010
Class VIII	535	589	599
Class IX	509	534	515
Class X	430	419	452
Class XI	256	300	252
Class XII	228	256	306
Female			
Class VII	644	716	674
Class VIII	517	555	599
Class IX	528	515	560
Class X	443	385	424
Class XI	258	307	283
Class XII	205	271	277

Source: Education sector, Chukha Dzongkhag

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

Details	2008	2009	2010
Students in primary school level (Class PP-VI)			
Total	10,897	11,052	10,948
Age < 6 years	110	49	85
Age 6-12 years	8,524	8,532	8,171
Age 13 & above	2,263	2,471	2,692
Male	5,604	5,683	5,328
Age < 6 years	64	29	55
Age 6-12 years	4,288	4,250	3,946
Age 13 & above	1,252	1,404	1,327
Female	5,293	5,369	5,620
Age < 6 years	46	20	30
Age 6-12 years	4,257	4,282	4,225
Age 13 & above	990	1,067	1,365
Student in LSS level (Class VII-VIII)			
Total	2,317	2,208	2,383
Age < 13 years	113	126	198
Age 13-14 years	853	794	754
Age 15 & above	1,351	1,288	1,431
Male	1,156	1,060	1,276
Age < 13 years	46	64	103
Age 13-14 years	404	344	363
Age 15 & above	706	652	810
Female	1,161	1,148	1,107
Age < 13 years	67	62	95
Age 13-14 years	449	450	391
Age 15 & above	645	636	621
Students in MSS level (Class IX-X)			
Total	1,910	2,157	204
Age < 15 years	52	117	69
Age 15-16 years	620	719	97
Age 17 & above	1,238	1,321	38
Male	939	1,081	95
Age < 15 years	23	44	27
Age 15-16 years	274	308	46
Age 17 & above	642	729	22
Age < 15 years	29	73	42

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

Details	2008	2009	2010
Female	971	1,076	109
Age < 15 years	29	73	42
Age 15-16 years	346	411	51
Age 17 & above	596	592	16
Students in HSS level (Class XI-XII)			
Total	947	554	612
Age < 17 years	65	39	94
Age 17-18 years	374	231	250
Age 19 & above	508	284	268
Male	484	290	331
Age < 17 years	31	21	40
Age 17-18 years	168	101	115
Age 19 & above	285	168	176
Female	463	264	281
Age < 17 years	34	18	54
Age 17-18 years	206	130	135
Age 19 & above	223	116	92

Source: Education sector, Chukha Dzongkhag

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

Details	2008	2009	2010
Number of schools with toilet facilities			
Flush toilet	10	n.a	n.a
Pit latrine	17	n.a	n.a
Other type	11	n.a	n.a
No toilet	5	n.a	n.a
Number of schools with water facilities			
Tap/pipe water	n.a	n.a	n.a
Pond/spring	n.a	n.a	n.a
Stream	n.a	n.a	n.a
Other	n.a	n.a	n.a

Source: Education sector, Chukha Dzongkhag

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

Details	2007	2008	2009
Number of hospitals	3	3	3
Number of BHUs	9	10	10
BHU grade I	1	1	1
BHU grade II	8	9	9
Number of ORCs	28	43	43
Number of indigenous units	2	2	2
Number of doctors	10	10	10
Number of hospital/BHU beds	90	100	100
Persons per doctor	7,713	7,853	7,994
Persons per hospital bed	857	785	799
Total morbidity attendance	132,367	135,359	132,054
Health Assistants	15	34	37
Basic health workers	79	7	6
Sister and nurses	28	38	40
Technicians	n.a	40	41
Indigenous dungtsho	n.a	2	2
Indigenous compounders/Menpas	n.a	2	2
Malaria workers	n.a	4	4
Village health workers	64	79	87
Births attended by skilled personnel	n.a	n.a	36
Number of births in medical facility	490	1,044	1,075
Number of children immunized			
Polio	938	1,432	1,479
DPTH	1,373	1,527	1,479
Measles	3	6	1,398
Others	n.a	n.a	n.a
Family planning acceptors by type			
Condom distributed	248521	165667	143,264
Pills	3,885	4,413	4,427
Injection DMPA	154	157	7,985
IUD	n.a	n.a	181
Vasectomy	974	825	910
Tubectomy	234	274	460
Others	n.a	n.a	n.a

Source: Health Sector, Chukha Dzongkhag

TABLE 4.2: TOP TEN MORBIDITY, CHUKHA, 2009

Type of diseases (Incidence)	2009
Common cold	32,287
Acute Pharyngitis/Tonsillitis	9,804
Typhoid/Diarrhoea/Dysentery	9,363
Skin Infections	8,914
Other Musculo-skeletal disorders	6,379
Other Diseases of the Digestive System	6,335
Peptic Ulcer syndrome	5,898
Other disorders of Skin & Subcutaneous - tissues	5,685
Other respiratory & Nose diseases	5,018
Conjunctivitis	4,513

Source:Health Sector, Chukha Dzongkhag

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

Details	2007	2008	2009
Trade and Industries (Number)			
Micro & retail trade licences issued	1,628	1,876	2,186
Micro & retail trade licences in operation	983	1,161	1,443
Wholesale trade licences issued	80	93	107
Wholesale trade licences in operation	58	65	79
Services licences issued	2,164	2,311	2,478
Services licences in operation	1,009	1,122	1,272
Manufacturing licenses issued	199	215	224
Manufacturing licenses in operation	109	122	131
Public Transport operators (Numbers)			
Bus	8	8	8
Taxi	569	656	n.a
Others	10,601	12,463	n.a
Industries by type (Number)			
Agro based	46	47	50
Forestry based	43	49	51
Mineral based	24	27	29
Others	86	92	94
Industries by scale (Number)			
Large	36	40	42
Medium	38	40	43
Small	66	71	73
Cottage	59	64	66
Contract firms (Number)			
A	42	42	42
B	19	19	19
C	133	134	134
D (Petty)	623	646	664

Source: Regional Trade & Industry Office, Phuentsholing

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

Agriculture	2007	2008	2009
Irrigation for agriculture			
Number of irrigation channels	53	57	60
Functional	45	49	52
Non Functional	8	8	8
Total length of channels (Km)*	108	114	117
Area covered by irrigation (Acres)*	1,238	1,325	1,366
Number of households benefitted *	1,167	1,211	1,241
Number of food processing units	n.a	n.a	n.a
Number of agriculture mills	31	95	n.a
Number of livestock product processing units	0	0	0
Number of farmer association/groups	0	0	1
Agriculture	0	0	1
Livestock	0	0	0
Forestry	0	0	0
Number of power tillers	26	36	46

Source : Agriculture sector, Chukha Dzongkhag

Note: * The figure for Area covered, total length and number of HH benefitted is for functioning irrigation channels

TABLE 6.2: AGRICULTURAL PRODUCTION, CHUKHA, 2007 TO 2009

Details	2007	2008	2009
Paddy			
Area (Acres)	2,806	771	1,752
Production (MT)	2,567	2,753	1,581
Price per Kg(Nu.)	n.a	n.a	n.a
Maize			
Area (Acres)	5,746	1,858	4,314
Production (MT)	6,805	4,815	3,163
Price per Kg(Nu.)	n.a	n.a	n.a
Wheat			
Area (Acres)	1,677	170	410
Production (MT)	962	282	215
Price per Kg(Nu.)	n.a	n.a	n.a
Barley			
Area (Acres)	203	31	71
Production (MT)	137	490	280
Price per Kg(Nu.)	n.a	n.a	n.a
Buckwheat			
Area (Acres)	2,030	386	863
Production (MT)	990	559	474
Price per Kg(Nu.)	n.a	n.a	n.a
Millet			
Area (Acres)	2,427	437	1,136
Production (MT)	1,152	587	436
Price per Kg(Nu.)	n.a	n.a	n.a
Fruits			
Apples			
Number of fruit bearing trees	5,749	5,090	3,811
Production (Kg)	152,342		73,000
Production (Nu.)	n.a	n.a	n.a
Oranges/ Mandarin			
Number of fruit bearing trees	277,836	140,780	131,312
Production (Kg)	5,264,031	2,208,370	1,628,000
Production (Nu.)	n.a	n.a	n.a
Banana			
Number of fruit bearing trees	20,579	740	8,130
Production (Kg)	211,000	18,500	69,000
Production (Nu.)	n.a	n.a	n.a

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

Details	2007	2008	2009
Pear			
Number of fruit bearing trees	2,791	350	468
Production (Kg)	242,000	24,400	19,000
Production (Nu.)	n.a	n.a	n.a
Plum			
Number of fruit bearing trees	n.a	90	27
Production (Kg)	n.a	4,000	1,000
Production (Nu.)	n.a	n.a	n.a
Areca Nut			
Production (Kg)	420,000.0	61,990	279,000
Production (Nu.)	n.a	n.a	n.a
Vegetables and Spices			
Potato			
Production (Kg)	4,887,000	4,471,980	3,125,000
Production (Nu.)	n.a	n.a	n.a
Chili			
Production (Kg)	210,000	281,820	265,000
Production (Nu.)	n.a	n.a	n.a
Onion			
Production (MT)	n.a	26,190	37,000
Production (Nu.)	n.a	n.a	n.a
Cabbage			
Production (Kg)	279,000	74,260	124,000
Production (Nu.)	n.a	n.a	n.a
Cauliflower			
Production (Kg)	n.a	10,100	13,000
Production (Nu.)	n.a	n.a	n.a
Asparagus			
Production (Bundles)	0	2,690	1,000
Production (Nu.)	0	n.a	n.a
Tomato			
Production (Kg)	30,000	19,010	8,000
Production (Nu.)	n.a	n.a	n.a
Carrot			
Production (Kg)	197,000	43,230	59,000
Production (Nu.)	n.a	n.a	n.a

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

Details	2007	2008	2009
Egg Plant (Brinjal)			
Production (Kg)	0	0	11,000
Production (Nu.)	0	0	n.a
Raddish			
Production (Kg)	355,000	253,960	167,000
Production (Nu.)	n.a	n.a	n.a
Ginger			
Production (Kg)	1,446,000	350,920	749,000
Production (Nu.)	n.a	n.a	n.a
Cardamom			
Production (Kg)	564,000	178,850	27,000
Production (Nu.)	n.a	n.a	n.a
Garlic			
Production (Kg)	17,000	15,380	15,000
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)	401,000	325,380	107,000
Production (Nu.)	n.a	n.a	n.a
Beans			
Production (Kg)	165,000.0	258,660	141,779
Production (Nu.)	n.a	n.a	n.a

Source : Agriculture sector, Chukha Dzongkhag

TABLE 6.3: LIVESTOCK POPULATION, CHUKHA, 2007 TO 2009

Details	2007	2008	2009
Livestock (Number)			
Cattle	26,098	31,349	19,927
Local breed	22,212	27,497	15,187
male	7,001	8,006	6,011
Female	15,211	19,491	9,176
Improved breed	3,886	3,852	4,140
male	1,284	1,004	976
Female	2,602	2,848	3,164
Mithun	5,257	6,577	1,609
Bufallo	59	28	15
Male	31	n.a	2
Female	28	n.a	13
Horse	465	480	453
Local breed	460	461	437
Improved breed	5	19	16
Yak	N.A	N.A	N.A
Male	N.A	N.A	N.A
Female	N.A	N.A	N.A
Sheep	1,327	987	921
Local breed	440	361	305
Improved breed	887	626	616
Pig	4,568	5,967	2,945
Local breed	3,734	3,810	1,971
Improved breed	834	2,157	974
Poultry	14,641	18,046	24,134
Local breed	13,484	16,043	17,787
Improved breed	1,157	2,003	6,347
Goat	8,637	9,800	6,952

Source : Livestock Sector & Livestock Statistics, Chukha Dzongkhag

Note: Mithun includes Bamin, Jatsa and Jatsam

TABLE 6.4: LIVESTOCK PRODUCTS, CHUKHA, 2007 TO 2009

Details	2007	2008	2009
Livestock products			
Fresh Milk (Liters)	1,995,740	1,949,866	1,706,322
Butter (Kg)	204,960	187,959	92,349
Fresh Cheese (Kg)	708,590	934,916	198,653
Processed cheese (kg)	n.a	n.a	n.a
Eggs (Dozen)	45,672.0	42,866.1	83,522.4
Fish (Kg)	150	0	227
Beef (Kg)	111,600	106,798	16,422
Pork (Kg)	76,310	85,211	43,687
Yak Meat (Kg)	N.A	N.A	N.A
Mutton (Kg)	41,960	39,191	14,469
Honey (Gm)	n.a	n.a	n.a
Chicken (Kg)	413,320	59,313	71,198

Source : Livestock Sector & Livestock Statistics, Chukha Dzongkhag

Table 6.5: FORESTRY PRODUCTS, CHUKHA, 2007 TO 2009

Details	2007	2008	2009
Wood Forest Product			
Log Form (No)*	1,768	909	1,225
Fire wood (Cubic metres)	n.a	n.a	n.a
Flag Poles (Number)	285	630	685
Shinglap (Number of trees)	22	9	0
Cham (Number of trees)	5,731	2,916	3,002
Tsim (Number of trees)	2,066	2,635	2,335
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)	n.a	n.a	n.a
Bamboo (Number)	n.a	n.a	n.a
Cane (Bundles)	n.a	n.a	n.a
Lemon grass (Kg)	n.a	n.a	n.a

Source : Forest Sector, Chukha Dzongkhag

Note: Figure for Log form is in number

TABLE 7.1: INFRASTRUCTURE, CHUKHA, 2007 TO 2009

Details	2007	2008	2009
Roads (Length in Km)			
Farm roads	30.57	24.90	75.00
Feeder roads	42	42.00	22.00
Forest roads	31.90	31.90	n.a
Highways/Dzongkhag roads *	230	230	n.a
Bridges (Number)	n.a	n.a	n.a
Suspension bridges	18	19	19
Suspended	5	5	5
Bailey bridges	0	0	0
Traditional bridges	0	0	0
Auto workshop centres	n.a	n.a	n.a
Bus stations	1	1	1
Post offices	4	4	4
Banks	8	8	11

Source: Agriculture sector, Engineer sector, Chukha Dzongkhag & SYB

Note: * Figure is for National highway includes Dzongkhag road

TABLE 8.1: TELECOMMUNICATION, CHUKHA, 2007 TO 2009

Details	2007	2008	2009
Telecommunications (Number)			
Households with fixed telephone connections	3,817	n.a	n.a
Community information centres	0	0	0
Gewogs accessible to mobile services	7	7	10
Households with internet access	n.a	n.a	n.a

Source: Gewog Administration offices

TABLE 9.1: ENVIRONMENT, CHUKHA, 2007 TO 2009

Details	2007	2008	2009
Total cultivated land (Acres)	n.a	n.a	n.a
Temperature (Degree Celcius)			
Avg. Max (Annual)	18.7	18.7	n.a
Avg. Min (Annual)	10.1	10.3	n.a
Rainfall (Millimeter)			
Avg. Annual rainfall	244.8	207.0	n.a
Number of snowfall occurred at Dzongkhag head quarter	1.0	0.0	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)	0	0	0
Houses (Number)	0	0	0
Roads (Km)	0	0	0
Crops affected by drought (acres)	n.a	9.7	n.a
Crops damaged by wild animals (acres)	n.a	3.4	n.a
Incidence of earthquake (Number of cases reported)	0	0	1
Houses damaged by earthquakes (Number)	0	0	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	4	4
Quarry sites (Number)	n.a	4	4
Municipal waste disposal sites (Number)	3	3	3
Environmental clearance issued	n.a	19	31

Source:Environment Sector, Chukha Dzongkhag & SYB

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

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	123.3	125.3	214.1	21.3
Agriculture	28.0	21.7	39.2	17.5
Livestock	23.3	11.7	34.6	12.3
Forestry	5.1	20.8	30.6	26.0
Education	335.2	290.1		
Health	117.0	90.5	242.5	180.4
Urban Development & Housing	7.4	138.2	81.7	225.6
Roads	5.4	0.0	n.a	n.a
Bhutan post	n.a	n.a	n.a	n.a
Telecommunication	n.a	n.a	n.a	n.a
Power	0.0	0.0	n.a	n.a
Trade & Industry	0.0	1.0	n.a	n.a
Total	493.4	552.3	642.7	483.1
Total plan outlay	493.4	552.3	642.7	483.1

Source: Budget office, Chukha Dzongkhag

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

(in million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	128.0	55.8	45.5	10.6
Agriculture	24.6	19.8	15.3	6.2
Livestock	18.4	11.5	15.3	2.7
Forestry	8.6	5.5	8.1	5.1
Education	605.6	90.2	416.5	72.1
Health	90.4	93.5	120.0	17.5
Urban Development & Housing	28.0	22.0	25.7	20.8
Roads	0.0	0.0	n.a	n.a
Bhutan post	n.a	n.a	n.a	n.a
Telecommunication	n.a	n.a	n.a	n.a
Power	0.0	0.0	n.a	n.a
Trade & Industry	0.0	0.0	n.a	n.a
Total	903.6	298.3	646.4	134.9
Total plan expenditure	903.6	298.3	646.4	134.9

Source: Budget office, Chukha Dzongkhag

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

(In million Nu.)

Sectors	10 FYP	
	Current	Capital
Bjabcho	25.647	n.a
Bongo	50.672	n.a
Chapcha	23.645	n.a
Darla	62.978	n.a
Dungna	6.079	n.a
Geling	14.901	n.a
Getana	7.456	n.a
Lokchina	19.84	n.a
Metakha	4.296	n.a
Pling	38.344	n.a
Sampheling	51.651	n.a

Source: Budget office, Chukha Dzongkhag

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

(In million Nu.)

Sectors	10 FYP	
	Current	Capital
Bjabcho	1.193	7.204
Bongo	2.733	15.343
Chapcha	1.241	13.785
Darla	7.312	6.943
Dungna	0.96	2.787
Geling	1.072	3.948
Getana	0.992	2.972
Lokchina	2.258	3.532
Metakha	0.944	3.258
Pling	1.503	10.149
Sampheling	1.382	6.262

Source: Budget office, Chukha Dzongkhag

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

Details	2005
Primary school level (Class PP-VI)	
Gross enrolment ratio	70.7
Net enrolment ratio	46.0
LSS level (Class VII-VIII)	
Gross enrolment ratio	69.2
Net enrolment ratio	25.2
MSS level (Class IX-X)	
Gross enrolment ratio	56.6
Net enrolment ratio	20.6
HSS level (Class XI-XII)	
Gross enrolment ratio	39.4
Net enrolment ratio	15.1

Source: SEDI 2005

TABLE 11.2 : LITERACY RATE BY SEX, CHUKHA, 2005

Literacy rate	2005
Male	70.6
Female	52.8
15-24 years	71.0
Male	75.6
Female	65.1

Source: SEDI 2005

TABLE 11.3 : DISTANCE TO THE NEAREST SCHOOL, CHUKHA

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

TABLE 12.1 : HEALTH FACILITIES, CHUKHA, 2005

Details	2005
Population covered by health care (%)	na
Population access to safe drinking water (%)*	82.7

Source: SEDI 2005

Note: * The figure is for Access to improved water source

TABLE 12.2 : DISTANCE TO HEALTH CENTRES, WATER SOURCES AND
SANITATION, CHUKHA, 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	83.1
Stream water	15.8
Other sources	1.22
With toilet facility	87.27
Without toilet	12.73

Source:PHCB 2005

Note: Stream water includes spring, river and pond

TABLE 13.1: ECONOMIC ACTIVITIES, CHUKHA

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

TABLE 13.2 : NUMBER OF HOUSEHOLDS ACCESS TO CREDIT FACILITIES,
CHUKHA

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

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

Details	2005
Total labour force (Number)	31,660
Total employed (%)	96.3
Male	97.1
Female	94.0
Unemployment rate	3.7
Total employed in Agriculture (%)	19.4
Male	13.2
Female	39.1
Total employed in Industries (%)	23.7
Male	29.1
Female	6.7
Total employed in Services (%)	6.4
Male	7.3
Female	3.7
Total unemployed by area (%)	
Urban	5.4
Rural	2.6
Total un-employed by education (%)	na
Total unemployed grade XII and above	na
Total unemployed below grade XII	na
Total under employed (%)	na
Employed by age-group (%)	na
15-17 years	na
18-24 years	na
25-64 years	97.7
65 years and above	98.5
Unemployed by age-group (%)	na
15-17 years	na
18-24 years	na
25-64 years	2.3
65 years and above	1.5
Labor force participation rate (%)	42.6
Male participation rate	56.8
Female participation rate	23.8

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, CHUKHA, 2007

Agriculture	2007
Wet land holding (Number)	
Holdings < 1 acre	562
Holdings 1-5 acres	853
Holdings >5 acres	68
Total wet land (Acres)	1,483
Dry land holding (Number)	
Holdings < 1 acre	210
Holdings 1-5 acres	954
Holdings >5 acres	1,551
Total dry land (Acres)	2,715
Orchard land holding (Number)	
Holdings < 1 acre	563
Holdings 1-5 acres	557
Holdings >5 acres	94
Total orchard (Acres)	1,214
Pasture land (Acres)	n.a

Source: Gewog wise land holdings 2007, DSLR Database

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

Details	2005
Walking distance to road head (% of households)	
< 1 hr	82.1
1-2 hrs	2.7
2-5 hrs	6.3
>5 hrs	8.8

Source: SEDI 2005

TABLE 17.1 : PERCENTAGE OF HOUSEHOLDS HAVING TELECOMMUNICATION, CHUKHA, 2005

Details	2005
Households with TV sets	42.1
Households owning computer	3.5
Households owning radios	61.1

(in percent)

Source: SEDI 2005

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

Details	2008
Number of Dzongs	1
Number of Chortens	178
Number of Lhakhangs	47
Private	4
Community	36
Government	7
Number of Temples	na
Private	na
Community	na
Government	na
Number of Chukhor/Dungkhor	16
Number of religious personnel, centres and sites	
Nuns	0
Gelong	207
Gomchens	0
Pawo/jomo/terda/nyerjom	na
Shedra	0
Gomdeys/Drubda	na
Cremation grounds	2
Community tshechus	1
Hot springs	0
Menchu	na
Pilgrimage sites (Nyes)	2
Drupchu	1
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)	na
Bangchung	na
Tshazow	na

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

Details	2008
Singing/Dancing	0
Mask Dances	0

Source: GIS Infrastructure Mapping 2008

TABLE 19.1 : ENVIRONMENT, CHUKHA, 2005

Details	2005
Forest coverage (%)	82.4
Households using fuel wood (%)	39.6
Households using electricity (%)	51.2
Number of Protected spring water sources	na
Number of Lakes	na

Source: GNHC 10 FYP document & SEDI 2005

Note: The figure for forest coverage is from 10th FYP document.

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

Details	2007
Population below total poverty line (%) ^a	20.3
Households below total poverty line (%) ^a	14.3
Population below food poverty line (%) ^a	4.5
Households below food poverty line (%) ^a	2.7
Households availing rural credit (%)	na
Average annual household expenditure (Nu.) ^b	14922
Landless households (%)	na
Dependency	2005
Child dependency ratio	45.7
Old age dependency ratio	3.9
Overall dependency ratio	49.7
Housing condition	2005
Household with straw/leaves roof (%)	0.5
Household with bamboo roof (%)	13.3
Household with metal roof (%)	7.0
Household with concrete/tiles roof (%)	52.9
Household with shingles roof (%)	14.5
Number of persons per room	0.2
Number of households living in own dwelling	na
Number of households living in rented house	na
Ownership of assets (Number)	2005
Households with land/plot	6,852
Households owning livestock	3,520
Households owning vehicle	1,799
Households owning refrigerator	3,322
Households owning washing machine	778
Households owning rice cooker	na

Source: PHCB 2005, ^a-PAR 2007, ^b-BLSS 2007