



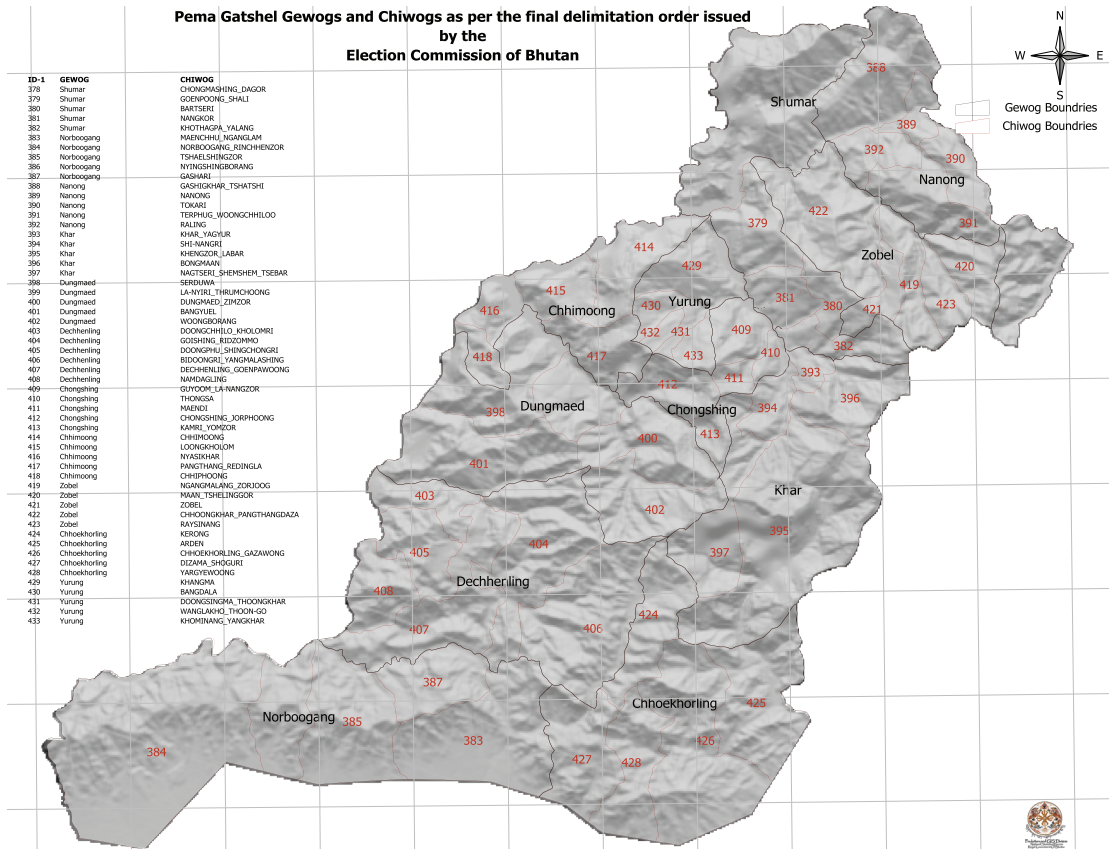
# ANNUAL DZONGKHAG STATISTICS 2011



**Dzongkhag Administration  
PEMA GATSHEL**



**Pema Gatshel Gewogs and Chiwogs as per the final delimitation order issued by the Election Commission of Bhutan**



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Contact  
National Statistics Bureau  
PO Box No. 338  
Telephone: +975-2-322753/333296  
Fax: +975-2-323069  
Website: [www.nsb.gov.bt](http://www.nsb.gov.bt)

Statistics Unit  
Pema Gatshel Dzongkhag  
Telephone: +975-03-61386  
Fax: +975-03-361461  
Email: [bigkash607@yahoo.com](mailto:bigkash607@yahoo.com)

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## Contents

	<b>page</b>
<b>Preface</b>	<b>i</b>
Background of Dzongkhag	ii
Abbreviations	iii
<b>Section 1. Population (Tables 1-2)</b>	<b>1-2</b>
Population by Age-Group and Sex	1
Population Density and Sex Ratio	2
<b>Section 2. Births, Deaths, Marriages, and Divorces (Tables 3-10)</b>	<b>3-6</b>
Total number Live Births, Deaths, Marriages, and Divorces	3
Adolescent Birth Rate and Total Fertility Rate	3
Early Childbearing	4
Use of Contraception	4
Antenatal Care Provider	5
Number of Antenatal Care Visits	5
Assistance During Delivery	6
Place of Delivery	6
<b>Section 3. Health and Nutrition (Tables 11-26)</b>	<b>7-16</b>
Health Infrastructures, Facilities and Personnel	7
Hospital Admission and Average Length of Stay	8
Number of Surgeries	8
Number of Dental Services	8
Number of Top Ten Morbidity	9
Child Disability	9
Nutritional Status of Children	10
Initial Breastfeeding	10
Duration of Breastfeeding	11
Low Birth Weight Infants	11
Neonatal Tetanus Protection	11
Solid Fuel Use	12
Use of Improved Water Sources	13
Household Water Treatment	14
Time to Source of Drinking Water	14
Types of Sanitation Facilities	15

<b>Section 4. Education (Tables 27-34)</b>	<b>16-23</b>
Number of Schools, Institutions, Teachers and Students	16
School Enrolment by Grade and Sex	19
Student by Age-Group, Sex and by Level	21
Literacy Among Young Women	22
School Readiness	22
Primary School Entry	23
Children Reaching Last Grade of Primary School	23
Education Gender Parity	23
<b>Section 5. Law Enforcement, Courts, and Prisons (Tables 35-38)</b>	<b>24-26</b>
Summary of Crime Reports by Nature of Crime	24
Monthly Motor Vehicle Accidents	25
Causes of Motor Vehicle Accidents	25
Attitudes Toward Domestic Violence	26
<b>Section 6. Geography and Environment (Tables 39-43)</b>	<b>26-28</b>
Land Area and Damages Caused by Types	26
Average Monthly Temperature	27
Average Monthly Rainfall	27
Percentage of Forest Coverage, Number of Protected Spring and Lakes	28
Disposal of Childs Faeces	28
<b>Section 7. Elections and Local Government (Tables 44-45)</b>	<b>29-30</b>
Parliamentarians and Local Government Representatives	29
Parliamentarians and Local Government election expenditures	30
<b>Section 8. Royal Government Finances and Employment (Tables 46-50)</b>	<b>31-33</b>
Government Finance Expenditures	31
Dzongkhag 9th & 10th Five Year Plan Outlays	32
Dzongkhag 9th and 10th Five Year Plan Expenditure	32
Gewog 9th and 10th Five Year Plan Outlays	33
Gewog 9th and 10th Five Year Plan by Expenditures	33
<b>Section 9. Labor Force, Employment, and Earnings (Tables 51-54)</b>	<b>34-37</b>
Employed Persons by Age, Sex and Area of Residence	34
Employment by Industries, Age-Group and Sex	35
Child Labour	36
Child Labour and School Attendance	37

<b>Section 10. Prices (Tables 55-55)</b>	<b>37-40</b>
Agricultural Production & Average prices by commodities	37
<b>Section 11. Agriculture (Tables 56-58)</b>	<b>40-42</b>
Renewable Natural Resources	40
Agricultural Production by Types	40
Livestock Population by Types	41
Livestock Productions	42
<b>Section 12. Forestry, Fishing and Mining (Tables 59-59)</b>	<b>43-43</b>
Forestry Productions	43
<b>Section 13. Energy and Utilities (Tables 60-60)</b>	<b>44-44</b>
Electricity Generating Stations And Their Capacities	44
<b>Section 14. Construction and Housing (Tables 61-62)</b>	<b>44-44</b>
Number of Households by Area	44
Number of Building Permits issued by Towns	44
<b>Section 15. Manufactures (Tables 63-63)</b>	<b>45-45</b>
Number of Establishment by Type and Size	45
<b>Section 16. Wholesale and Retail Trade (Tables 64-64)</b>	<b>45-45</b>
Number of Wholesale, Retail Trade and Industrial licenses issued	45
<b>Section 17. Transportation (Tables 65-66)</b>	<b>46-46</b>
Number of Public Transport and Facilities	46
Roads and Bridges	46
<b>Section 18. Information and Communications (Tables 67-67)</b>	<b>47-47</b>
Telecommunications	47
<b>Section 19. Banking, Finance, and Insurance (Tables 68-69)</b>	<b>47-47</b>
Number of Establishment in Banking and Finance	47
Number of account holders in Banks	47
<b>Section 20. Arts, Recreation, Accommodation and Monuments (Tables 70-71)</b>	<b>48-48</b>
Number of Administrative Units	48
Recreation, Tourist Visitors and Accommodation	48





## **Preface**

The Annual Dzongkhag Statistics of Pemagatshel is the second in the series of publications. It attempts to provide comprehensive statistics of Pemagatshel 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, Pemagatshel would like to thank and acknowledge the support and cooperation of all sector heads concerned for providing timely information for this report. Without their support, this publication would not have been possible. Through this initiative, we also hope that the maintenance of sectoral information and updation in the Dzongkhag will become more systematic and efficient henceforth.

Since this report is the second publication and with information source being from numerous sectors, we expect there may be certain deficiencies in terms of coverage and updation. However, there will be continuous efforts made to improve its coverage and quality in our future publications. Your comments and suggestions in this regard will be highly appreciated.

Dzongkhag Statistics Units, Pemagatshel

## **Background**

Pemagatshel declared as separate Dzongkhag after 1974 from Monger Dzongkhag. This Dzongkhag covers an area of about 1030.04 Sq.Km with an elevation ranging from 1000-3500 meters above the sea level. The Dzongkhag has 54% of forest coverage and about 45% of land cultivates area. It has eleven Gewogs, namely, Chhimoong, Chhoekhorling, Chongshig, Dechhenling, Dungmaed, Khar, Nanong, Norboogang, Shumar, Yurung and Zobel. It Shares border of Tashigang on north & north-east, Mongar on north-west, Zhemgang on west & Samdrup Jongkhar on south & south-east.

Pemagatshel has 56 Chiwogs and 157 villages as per the Bhutan election boundary describes. There are total 5,254 households; 494 house hold of urban and 4,760 house hold at rural in 2011. The total Projected population of this Dzongkhag as per PHCB 2005 is 24,075; 11,912 are males and 12,163 are females in 2011. The population density is 23 Persons per Sq. Km. There are 268 protected water schemes in the Dzongkhag to facilities drinking water.

Within 10th FYP, the most of the Gewog/villages road are connected and this accessibility has brought manifold changes in the socio-economic development of Pemagatshel. The Dzongkhag has moderate climatic condition and quite hot at lower altitude in summer. Most of the cultivated land is under Tseri cultivation. The maize is the main cereals crops of this Dzongkhag. Other crops like oranges, potatoes, and subtropical fruits and vegetables are cultivated in most of villages. The main sources of income for the people of Pemagatshel are from; Agriculture, livestock and small scale business on consumer items.

The gypsum mining and the gypsum power factory at Khothakpa under Shumar Gewog provide employment for unskilled laborers during off season. This mining industry also contributes sustainable revenue to the government of Bhutan.

Pemagatshel total road network of 281 Km including 23 Km of District road from Tshelingkhor to Pemagatshel (Market). It has a total of 31 Schools, out of which 2 are Higher Secondary School ,1 is Middle Secondary School, 6 are Lower Secondary school, 22 are Community Primary Schools There are 37 NFE Centers and over 571 NFE Learners and 37 NFE Instructors. It has one hospital and 12 BHUs.

As of 2010, there are 66 households with internet access, 522 household are connected with fixed telephone line and most of the Gewogs/village are accessible to mobile services.

## Abbreviations

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



**Table 1. Population by Age-Group and Sex, Pema Gatschel, (2005 ~ 2011)**

Age-group	2005	2006	2007	2008	2009	2010	2011
Total	13,864	22,585	22,817	23,179	23,476	23,777	24,075
0-4	1,362	2,394	2,538	2,680	2,818	2,953	2,926
5-9	1,561	2,352	2,285	2,227	2,178	2,137	2,281
10-14	1,749	2,531	2,486	2,434	2,381	2,329	2,259
15-19	1,886	2,487	2,490	2,489	2,481	2,464	2,435
20-24	1,030	2,332	2,347	2,358	2,368	2,377	2,387
25-29	896	2,089	2,126	2,158	2,187	2,212	2,235
30-34	635	1,737	1,792	1,849	1,904	1,954	1,998
35-39	641	1,451	1,486	1,521	1,561	1,606	1,658
40-44	584	1,179	1,218	1,259	1,301	1,341	1,378
45-49	709	971	994	1,018	1,046	1,077	1,113
50-54	624	801	820	841	862	884	907
55-59	541	657	670	684	700	716	735
60-64	521	531	540	550	561	573	585
65+	1,125	1,072	1,090	1,110	1,131	1,153	1,178
Male	6,856	11,241	11,373	11,511	11,646	11,782	11,912
0-4	705	1,139	1,208	1,277	1,345	1,410	1,397
5-9	765	1,125	1,091	1,063	1,039	1,019	1,088
10-14	868	1,221	1,197	1,171	1,144	1,118	1,082
15-19	984	1,217	1,213	1,209	1,202	1,191	1,174
20-24	497	1,178	1,178	1,175	1,172	1,170	1,168
25-29	454	1,074	1,091	1,105	1,116	1,125	1,129
30-34	331	904	930	957	983	1,007	1,027
35-39	290	757	776	795	815	838	863
40-44	239	607	629	653	677	699	719
45-49	331	495	507	520	535	552	572
50-54	333	407	416	427	438	449	461
55-59	264	331	338	345	353	362	371
60-64	255	265	270	275	280	286	292
65+	540	521	529	539	547	558	569

Female	7,008	11,344	11,444	11,668	11,830	11,995	12,163
0-4	657	1,255	1,330	1,402	1,474	1,543	1,529
5-9	796	1,227	1,193	1,164	1,139	1,119	1,193
10-14	881	1,310	1,289	1,264	1,237	1,212	1,177
15-19	902	1,270	1,277	1,280	1,279	1,273	1,261
20-24	533	1,154	1,169	1,183	1,196	1,208	1,219
25-29	442	1,015	1,035	1,053	1,070	1,088	1,106
30-34	304	833	862	891	920	947	971
35-39	351	694	710	727	746	769	795
40-44	345	572	589	606	624	642	659
45-49	378	476	487	498	511	525	541
50-54	291	395	404	414	424	435	446
55-59	277	326	332	339	347	355	364
60-64	266	266	207	275	281	287	293
65+	585	551	560	572	582	594	609

Note: Figures for the year 2006 onwards are based on the projected population. On or after the year 2006 Ngalam Dungkha & Nanong gewog falls under Pemagatshel Dzongkhag boundary.

Source: Population & Housing Census of Bhutan, 2005

**Table 2. Population, Density and Sex Ratio, Pema Gatshel, (2005 ~ 2011)**

Details	2005	2006	2007	2008	2009	2010	2011
Population (Number)	13,864	22,583	22,880	23,179	23,478	23,777	24,075
Population density (Persons per Sq. Km)	26.8	21.92	22.21	22.50	22.79	23.08	23.37
Population sex ratio	97.8	99.08	98.84	98.64	98.44	98.22	97.94

Source : Dzongkhag Population Projection 2006-2015

**Table 3. Total Number of Marriages and Divorces,Pema Gatshel, (2008 ~ 2010)**

Age-group	2008	2009	2010
Live births	n.a	414	442
Male	n.a	n.a	n.a
Female	n.a	n.a	n.a
Total deaths	n.a	124	105
Male	n.a	n.a	n.a
Female	n.a	n.a	n.a
Infant deaths	n.a	3	5
Male	n.a	n.a	n.a
Female	n.a	n.a	n.a
Marriages	n.a	50	58
Male	n.a	n.a	n.a
Female	n.a	n.a	n.a
Divorces	n.a	45	57
Male	n.a	n.a	n.a
Female	n.a	n.a	n.a

Source: Dzongkhag Health Sector & Court, Pemagatshel Dzongkhag

**Table 4. Adolescent Birth rate and Total fertility rate,Pema Gatshel, (2010)**

Details	2010
Adolescent birth rate (age specific fertility rate for women age 15-19)	163.0
Total fertility rate	4.0

Source : BMIS, 2010

**Table 5. Early Childbearing, Pema Gatschel, (2010)**

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

Details	2010
% of women age 15~19	
Have had a live birth	21.6
Are pregnant with first child	0.0
Have begun childbearing	21.6
Have had a live birth before 15	5.4
Number of women age 15~19	53.0
% of women age 20~24 who have had a live birth before age 18	17.2
Number of women age 20~24	76.0

Source : BMIS, 2010

**Table 6. Use of Contraception, Pema Gatschel, (2010)**

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

Details	2010
Not using any method	44.3
Percent of women (currently married or in union) who are using	
Female sterilization	3.3
Male sterilization	12.7
IUD	1.6
Injectables	28.0
Implants	0.3
Oral contraceptive Pill	6.1
Male condom	3.8
Female condom	0.0
Foam/ jelly	0.0
Lactational amenorrhoea method (LAM)	0.0
Periodic abstinence/ rhythm	0.0
Withdrawal	0.0
Other	0.4
Any modern method	55.7
Any traditional method	0.0
Any method	55.7
Number of women currently married or in union	373.0

Source : BMIS, 2010



**Table 7. Antenatal Care Provider, Pema Gatshel, (2010)**

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

Details	2010
Persons providing antenatal care	
Doctor	13.7
Nurse/ midwife	37.2
HA/ BHW	33.9
Assistant clinical officer (ACO)	0.0
Traditional birth attendant	0.0
Village health worker	0.0
Other/ missing	2.1
No antenatal care received	13.0
Total	100.0
At Least once by skilled personnel	84.8
Number of women who gave birth in the preceding 2 years	94.0

Source : BMIS, 2010

**Table 8. Number of Antenatal Care Visits, Pema Gatshel (2010)**

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

Details	2010
Percent of women who had	
No antenatal care visits	13
1 Visits	2
2 Visits	4
3 Visits	9.3
4 or more visits	70.4
Missing/ DK	1.2
Total	100
Number of women who gave birth in the preceding 2 years	94

Source : BMIS, 2010

**Table 9. Assistance During Delivery, Pema Gatshel, (2010)**

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

Details	2010
Person assisting at delivery	
Doctor	20.5
Nurse / Midwife	17.7
HA/BHW	4.6
Asst. clinical officer (ACO)	0
Traditional birth attendant	1.7
Village health worker	1
Relative / friend	53.8
Other/missing	0.8
No attendant	0
Total	100
Any skilled personnel	42.7
Percent delivered by C-section	5.7
Number of women who gave birth in preceding two years	94

Source : BMIS, 2010

**Table 10. Place of Delivery, Pema Gatshel, (2010)**

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

Details	2010
Place of delivery	
Public sector health facility	45.1
Private sector health facility	0
Home	54.9
Other	0
Total	100
Delivered in health facility [1]	45.1
Number of women who gave birth in preceding two years	94

Source : BMIS, 2010

**Table 11. Health Infrastructures, Facilities and Personnel, Pema Gatshel, (2007 ~ 2010)**

Details	2007	2008	2009	2010
Number of hospitals	1	1	1	1
Number of BHUs	9	12	12	12
BHU grade I	1	1	1	1
BHU grade II	8	11	11	11
Number of ORCs	33	32	34	34
Number of indigenous units	1	2	2	2
Number of doctors	2	2	2	2
Number of hospital/BHU beds	n.a	63	63	63
Persons per doctor	11409	11590	11738	12037.5
Persons per hospital bed	n.a	357	361	382
Total morbidity attendance	n.a	n.a	463	402
Health assistants	12	15	15	17
Basic health workers	7	7	6	8
Sister and nurses	8	9	9	10
Technicians	8	9	11	12
Indigenous dungtsho	1	1	1	2
Indigenous compounders/Menpas	1	1	2	2
Malaria workers	3	3	3	3
Village health workers	60	60	64	64
Number of children immunized				
Polio	725	804	381	449
DPTH	409	804	381	417
Measles	429	482	433	438
BCG	n.a	n.a	380	389
Others	391	383	386	315

Source: Dzongkhag Health Sector, Pemagatshel Dzongkhag

**Table 12. Hospital Admission and Average Length of Stay, Pema Gatshel, (2007 ~ 2010)**

Average admission	2007	2008	2009	2010
Hospital admission				
Total	1423	1,298	999	970
Patient days	3,512	3,458	3,389	3,186
Average days	4	3.5	3.4	3.3
BHU admission	364	345	306	254

Source : Annual Health Bulletin, MoH

**Table 13. Number of Surgeries, Pema Gatshel, (2007 ~ 2010)**

Details	2007	2008	2009	2010
Surgeries				
Caesarian Section	0	0	0	0
General Abdominal	0	0	0	0
General Others	3	11	15	2
Orthopaedic extremities	0	0	0	5
Orthopaedic Others	0	5	17	
Gynaecology	0	0	0	0
ENT	0	0	0	0
Eye	0	0	0	0

Source : Annual Health Bulletin, MoH

**Table 14. Number of Dental Services, Pema Gatshel, (2007 ~ 2010)**

Dental Services	2007	2008	2009
Prophylaxis	33	34	39
Scaling	3	2	6
Fillings	313	377	383
Extractions	217	294	443
Others	180	195	283

Source : Annual Health Bulletin, MoH

**Table 15: Number of Top Ten Morbidity, Pema Gatshel (2007~ 2010)**

Priority health problem/ Disease	2007	2008	2009	2010
Diarrhoea	n.a	n.a	1509	1509
Conjunctivitis	n.a	1631	1559	1559
Dysentery	n.a	n.a	876	876
Typhoid	n.a	110	203	203
Sexually transmitted disease, excluding HIV/AIDS	n.a	79	124	124
Diabetes	n.a	33	15	15
Tuberculosis	24	19	9	9
Early syphilis	n.a	4	2	2
Cholera	n.a	6	1	1
Tetanus	n.a	0	0	0
Diphtheria	n.a	0	0	0
Pertussis	n.a	0	0	0

Source : Dzongkhag Health Sector, Pemagatshel Dzongkhag

**Table 16. Child Disability, Pema Gatshel, (2010)**

Child Disability	2010
Percentage of children aged 2-9 years with reported disability by type of disability	
Delay in sitting standing or walking	1.6
Difficulty seeing, either in the daytime or at night	2.1
Appears to have difficulty hearing	0.6
No understanding of instructions	7.3
Difficulty in walking moving, moving arms, weakness or stiffness	0.8
Have fits, become rigid, lose consciousness	1.1
Not learning to do things like other children his/her age	5.8
No speaking cannot be understood in words	11.2
Appears mentally backward, dull, or slow	1.1
Speech is not normal	0.5
Number of children aged 3-9 years	336
Cannot name at least one object	16.4
Number of children aged 2 years	54
Percentage of children 2-9 years of age with at least one reported disability*	20.1
Number of children aged 2-9 years	390

Source: BMIS, 2010

**Table 17. Nutritional Status of Children, Pema Gatshel, (2010)**

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

Nutritional Status		2010
Weight for age:	% below -2 sd [1]	19.8
Weight for age:	% below -3 sd [2]	6.6
Weight for age:	Mean Z-Score (SD)	-1.1
Weight for age:	Number of children	196
Height for age:	% below -2 sd [3]	44.9
Height for age:	% below -3 sd [4]	19.1
Height for age:	Mean Z-Score (SD)	-1.8
Height for age:	Number of children	158
Weight for height:	% below -2 sd [5]	2.6
Weight for height:	% below -3 sd [6]	0.2
Weight for height:	% above +2 sd	17.7
Weight for height:	Mean Z-Score (SD)	0.6
Weight for height:	Number of children	167

Source: BMIS, 2010

**Table 18. Initial Breastfeeding, Pema Gatshel, (2010)**

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

Initial Breastfeeding	2010
Percentage ever breastfed	96.9
Percentage who were first breastfed: Within one hour of birth	77.4
Percentage who were first breastfed: Within one day of birth	93.9
Percentage who received a prolactal feed	3
Number of last-born children in the two years preceding the survey	94

Source: BMIS, 2010

**Table 19. Duration of Breastfeeding, Pema Gatshel, (2010)**

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

Duration of Breastfeeding	2010
Median duration (in months) of	
Any breastfeeding	27.6
Exclusive breastfeeding	4.4
Predominant breastfeeding	10.3
Number of children age 0-35 months	139

Source: BMIS, 2010

**Table 20. Low Birth Weight Infants, Pema Gatshel, (2010)**

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

Low Birth Weight Infants	2010
Percent of live births	
Below 2500 grams	9.3
Weighed at birth	72.7
Number of live births in the last 2 years	94

Source: BMIS, 2010

**Table 21. Neonatal Tetanus Protection, Pema Gatshel, (2010)**

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

Neonatal Tetanus Protection	2010
Percentage of Women Who Received at Least 2 Doses During Last Pregnancy	52.3
Percentage of women who did not receive two or more doses during last pregnancy but received	31.5
2 doses, the last within prior 3 years	30
3 doses, the last within prior 5 years	0.8
4 doses, the last within prior 10 years	0.7
5 or more doses during lifetime	0.0
Protected against tetanus [1]	83.8
Number of women with a live birth in the last 2 years	94

Source: BMIS, 2010

**Table 22. Solid Fuel Use, Pema Gatshel, (2010)**

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

Solid Fuel Use	2010
Percentage of household members in households using	
Electricity	18.7
Liquefied Petroleum Gas (LPG)	15.7
Kerosene	0.1
Coal	0.3
Wood	65.2
Straw/Shrubs/Grass	0.0
No food cooked in household	0.0
Other	0.0
Total	100
Solid fuels for cooking	65.5
Number of household members	2,627

Source: BMIS, 2010



**Table 23. Use of Improved Water Sources, Pema Gatshel, (2010)**

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

Water Sources	2010
Main source of drinking water	100
Improved sources	96.3
Piped into dwelling	7.2
Piped into compound	67.6
Piped to neighbor	12.1
Public outdoor tap	6.3
Protected well	1.8
Spring	1.2
Rainwater collection	0.1
Bottled water	0.0
Unimproved sources	3.7
Unprotected well	0.0
Unprotected spring	0.4
Tanker-truck	0.0
Cart with samll tank/drum	0.0
Surface water (river,stream, dam, lake,pond,canal,irrigation channel)	3.3
Other	0.0
Total	100
Percentage using improved sources of drinking water	96.2
Number of household members	2,627

Source: BMIS, 2010

**Table 24. Household Water Treatment, Pema Gatshel, (2010)**

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

Water Treatment	2010
Water treatment method used in the household	
None	29.1
Boil	63.6
Add bleach / chlorine	0.6
Strain through a cloth	4.5
Use water filter	9.4
Solar disinfection	1.5
Let it stand and settle	24.3
Other	0.0
Don't know	0.0
Number of household members	2,627
Percentage of household members in households using unimproved drinking water sources and using an appropriate water treatment method [1]	74.2
Number of household members in households using unimproved drinking water sources	99

Source: BMIS, 2010

**Table 25. Time to Source of Drinking Water, Pema Gatshel, (2010)**

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

Time to Source of Drinking Water	2010
Time to source of drinking water	
Users of improved drinking water sources	96.2
Water on premises	90.7
Less than 30 minutes	5.0
30 minutes or more	0.5
Missing/DK	0.0
Users of unimproved drinking water sources	3.8
Water on premises	0.5
Less than 30 minutes	1.7
30 minutes or more	1.6
Missing/DK	0.0
Total	100
Number of household members	2,627

Source: BMIS, 2010

**Table 26. Types of Sanitation Facilities, Pema Gatshel, (2010)**

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

Time to Source of Drinking Water	2010
Type of toilet facility used by household	
Improved sanitation facility	33.3
Flush toilet	1.8
Flush to septic tank(Without soak pit)	22.4
Flush to pit (latrine)	1.9
Flush to unknown place/not sure/DK where	0.0
Flush to septic tank (with soak pit)	1.6
Ventilated Improved Pit latrine (VIP)	0.0
Pit latrine with slab	5.6
Composing toilet	0.0
Unimproved sanitation facility	62.6
Flush to somewhere else	0.1
Pit latrine without slab /open pit	55.2
Long drop latrine	1.9
Bucket	5.4
Other	0.0
Missing	0.0
Open defecation (no facility, bush, field)	4.3
No facility,bush, field	4.3
Total	100
Number of household members	2,627

Source: BMIS, 2010

**Table 27. Number of Schools, Institutions, Teachers and Students, Pema Gatshel, (2008 ~ 2011)**

Details	CPS	PS	LSS	MSS	HSS	College	Pvt.	Other	Inst. Centres		NFE Daycare Centres	Total
									Centres	Centres		
2008												
Number of schools and institutions	22	0	6	2	1	0	0	0	0	44	0	75
Teaching staff												
Bhutanese	83	0	69	34	14	0	0	0	0	44	0	244
Male		0				0	0	0	0	20	0	20
Female		0				0	0	0	0	22	0	22
Non-Bhutanese	0	0	5	9	11	0	0	0	0	0	0	25
Male		0				0	0	0	0	0	0	0
Female		0				0	0	0	0	0	0	0
Temporary teachers	12	0	4	0	1	0	0	0	0	0	0	17
Male		0				0	0	0	0	0	0	0
Female		0				0	0	0	0	0	0	0
Number of students	2174	0	2452	1161	586	0	0	0	0	716	0	7089
Male	1120	0	1263	669	339	0	0	0	0	104	0	3495
Female	1054	0	1189	492	247	0	0	0	0	624	0	3606
Student to teacher ratio	23	0	31	27	23	0	0	0	0	16	0	23
2009												
Number of schools and institutions	22	0	6	2	1	0	0	0	0	42	0	67
Teaching staff												
Bhutanese	91	0	82	31	19	0	0	0	0	42	0	265
Male	91	0	82	31	17	0	0	0	0	23	0	244
Female	0	0	0	0	2	0	0	0	0	19	0	21

Non-Bhutanese	1	0	4	7	5	0	0	0	0	0	0	17
Male	1	0	4	7	5	0	0	0	0	0	0	17
Female	0	0	0	0	0	0	0	0	0	0	0	0
Temporary teachers	0	0	0	0	1	0	0	0	0	0	0	1
Male	0	0	0	0	0	0	0	0	0	0	0	0
Female	0	0	0	0	1	0	0	0	0	0	0	1
Number of students	2201	0	2391	1042	615	0	0	0	0	698	0	6947
Male	1142	0	1208	585	377	0	0	0	0	111	0	3423
Female	1059	0	1183	457	238	0	0	0	0	587	0	3524
Student to teacher ratio	24	0	28	27	25	0	0	0	0	17	0	25
2010												
Number of schools and institutions	22	0	6	1	2	0	0	0	0	37	0	68
Teaching staff												
Bhutanese	123	0	82	20	34	0	0	0	0	37	0	296
Male	83	0	57	11	26	0	0	0	0	19	0	196
Female	40	0	25	9	8	0	0	0	0	18	0	100
Non-Bhutanese	1	0	3	3	10	0	0	0	0	0	0	17
Male	1	0	3	2	9	0	0	0	0	0	0	15
Female	0	0	0	1	1	0	0	0	0	0	0	2
Temporary teachers	26	0	9	4	1	0	0	0	0	0	0	40
Male	25	0	7	4	0	0	0	0	0	0	0	36
Female	1	0	2	0	1	0	0	0	0	0	0	4
Number of students	2144	0	2405	757	1011	0	0	0	0	577	0	6894
Male	1102	0	1190	409	611	0	0	0	0	71	0	3383
Female	1042	0	1215	348	400	0	0	0	0	500	0	3505
Student to teacher ratio	14	0	26	28	22	0	0	0	0	16	0	20



**Table 28. School Enrolment by Grade and Sex, Pema Gatschel, (2008~2011)**

Class	2008	2009	2010	2011
Primary level				
Total	4,011	3,971	3,871	3,904
Class PP	612.0	585.0	515.0	504
Class I	588.0	587.0	571.0	545
Class II	548	575	592	566
Class III	563	560	586	602
Class IV	612	554	489	609
Class V	519	547	549	500
Class VI	569	563	569	558
Male	1,997	2,106	1,952	1,971
Class PP	320	315	247	254
Class I	297	311	297	265
Class II	276	316	318	293
Class III	279	295	322	317
Class IV	299	307	231	320
Class V	243	260	272	251
Class VI	283	302	265	271
Female	1,997	1,865	1,919	1,933
Class PP	292	270	268	253
Class I	261	276	274	289
Class II	272	259	274	270
Class III	284	265	264	275
Class IV	326	247	258	287
Class V	276	287	277	253
Class VI	286	261	304	306
Secondary level				
Total	2,368	2,323	2,410	2,533
Class VII	583	550	495	596
Class VIII	484	473	557	460
Class IX	437	503	525	570
Class X	541	463	460	506
Class XI	162	165	203	205
Class XII	161	169	170	196

Male	1,378	1,354	1,328	1,344
Class VII	325	300	220	273
Class VIII	278	290	292	206
Class IX	239	238	285	301
Class X	326	321	273	279
Class XI	109	102	139	147
Class XII	101	103	119	138
Female	991	969	1,072	1,189
Class VII	258	250	275	323
Class VIII	206	183	255	254
Class IX	199	265	240	269
Class X	215	142	187	227
Class XI	53	63	64	58
Class XII	60	66	51	58

Source: Dzongkhag Education Sector, Pemagatshel Dzongkhag



**Table 29. Student by Age-Group, Sex and by Level, Pema Gatschel, (2008~2011)**

Details	2008	2009	2010	2011
<b>Students in primary school level (Class PP-VI)</b>				
Total	4,011	3,971	3,826	3,904
Age < 6 years	450	158	67	71
Age 6-12 years	3,521	3,098	3,209	3,257
Age 13 & above	540	715	550	576
Male	1,997	2,106	1,927	1,971
Age < 6 years	280	91	35	38
Age 6-12 years	1,453	1,602	1,627	1,646
Age 13 & above	264	413	265	287
Female	1,997	1,865	1,899	1,933
Age < 6 years	260	67	32	33
Age 6-12 years	1,461	1,496	1,582	1,611
Age 13 & above	276	302	285	289
<b>Student in LSS level (Class VII-VIII)</b>				
Total	1,067	1,064	1,052	1,056
Age < 13 years	42	95	19	40
Age 13-14 years	498	468	489	358
Age 15 & above	527	501	544	658
Male	603	558	512	
Age < 13 years	26	47	8	14
Age 13-14 years	250	279	215	160
Age 15 & above	327	232	289	305
Female	464	506	530	577
Age < 13 years	16	48	11	26
Age 13-14 years	248	189	274	198
Age 15 & above	200	269	255	353
<b>Students in MSS level (Class IX-X)</b>				
Total	978	906	985	1076
Age < 15 years	11	46	19	37
Age 15-16 years	259	199	320	241
Age 17 & above	708	661	646	798
Male	565	531	558	580
Age < 15 years	8	18	8	19
Age 15-16 years	165	121	175	118
Age 17 & above	392	392	375	443

Female	413	375	427	496
Age < 15 years	3	28	11	18
Age 15-16 years	94	78	145	123
Age 17 & above	316	269	271	355
<hr/>				
Students in HSS level (Class XI-XII)				
Total	323	353	373	401
Age < 17 years	4	3	3	0
Age 17-18 years	42	40	42	56
Age 19 & above	277	310	328	345
Male	210	215	258	285
Age < 17 years	3	1	0	0
Age 17-18 years	22	20	41	42
Age 19 & above	185	194	217	243
Female	113	114	115	116
Age < 17 years	1	2	0	0
Age 17-18 years	20	23	1	14
Age 19 & above	88	89	111	102

Source : Education Sector, Pemagatshel Dzongkhag

**Table 30. Literacy Among Young Women, Pema Gatshel, (2010)**

Literacy Among Young Women	2010
Percentage literate	43.7
Percentage not known	0.0
Number of women age 15-24 years	129

Source: BMIS, 2010

**Table 31. School Readiness, Pema Gatshel, (2010)**

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

School Readiness	2010
Percentage of children attending first grade who attended preschool in previous year	0.0
Number of children attending first grade of primary school	48

Source: BMIS, 2010

**Table 32. Primary School Entry, Pema Gatshel, (2010)**

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

Primary School Entry	2010
Percentage of children of primary school entry age entering grade 1	83.2
Number of children of primary school entry age	49

Source: BMIS, 2010

**Table 33. Children Reaching Last Grade of Primary School, Pema Gatshel, (2010)**

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

Details	2010
Percent attending grade 1 last year who are in grade 2 this year	100
Percent attending grade 2 last year who are attending grade 3 this year	100
Percent attending grade 3 last year who are attending grade 4 this year	100
Percent attending grade 4 last year who are attending grade 5 this year	99
Percent attending grade 5 last year who are attending grade 6 this year	100
Percent who reach grade 6 of those who enter grade 0	99

Source: BMIS, 2010

**Table 34. Education Gender Parity, Pema Gatshel, (2010)**

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

Education Gender Parity	2010
Primary school adjusted net attendance ratio (NAR), girls	97.5
Primary school adjusted net attendance ratio (NAR), boys	94.1
Gender parity index (GPI) for primary school adjusted NAR	1.04
Secondary school adjusted net attendance ratio (NAR), girls	54.2
Secondary school adjusted net attendance ratio (NAR), boys	63.4
Gender parity index (GPI) for secondary school adjusted NAR	0.86

Source: BMIS, 2010

**Table 35. Summary of Crime Reports by Nature of Crime, Pema Gatshel, (2009 ~ 2011)**

Nature of Crime	(Incident)		
	2009	2010	2011
Attempt, aiding and abetting, solicitation and criminal conspiracy			
Homicide	0	0	0
Assault, battery and related offences	10	9	3
Kidnapping and related offences	0	0	0
Sexual offence	1	1	2
Offence against infant, child, mentally disabled and incompetent person	0	0	0
Arson and related offences	0	0	0
Burglary, trespass and related offences	1	3	2
Larceny, robbery, armed robbery and related offences	0	0	1
Money laundering and smuggling	0	0	0
Embezzlement and bribery	0	0	0
Forgery and related offences	0	0	0
Defamation and related offences	0	0	0
Treason, terrorism and related offences	0	0	0
Offences against cultural and national heritage	0	0	0
Offences against judicial authority	0	0	0
Prostitution and related offences	0	0	0
Offences against the public welfare	0	0	0
Offences related to public and civic duties	0	0	0
Offences related to public order and tranquillity	0	0	0
Offences against privacy	0	0	0
Computer offences	0	0	0
Offences related to firearms and weapons	0	0	0
Offences related to protected species, controlled and other harmful substances	0	0	0
Motor vehicle offences	0	0	0
Others	0	0	0
<b>Total crimes</b>	<b>12</b>	<b>13</b>	<b>8</b>

Source: Royal Bhutan Police, Pema Gatshel Dzongkhag

**Table 36. Monthly Motor Vehicle Accidents, Pema Gatshel, (2009~ 2011)**

Month	2009	2010	2011
January	n.a	n.a	0
February	n.a	n.a	0
March	n.a	n.a	0
April	n.a	n.a	0
May	n.a	n.a	3
June	n.a	n.a	0
July	n.a	n.a	0
August	n.a	n.a	0
September	n.a	n.a	0
October	n.a	n.a	0
November	n.a	n.a	0
December	n.a	n.a	0
Total	n.a	n.a	3

Source: Royal Bhutan Police,Pemagatshel Dzongkhag

**Table 37. Causes of Motor Vehicle Accidents, Pema Gatshel, (2009~2011)**

Details	2009	2010	2011
Mechanical fault	n.a	n.a	n.a
Drunk driving	n.a	n.a	n.a
Bad weather	n.a	n.a	n.a
Without licence	n.a	n.a	n.a
Unknown causes	n.a	n.a	n.a
Other causes	n.a	n.a	n.a
All causes	n.a	n.a	n.a

Source: Royal Bhutan Police,PemagatshelDzongkhag

**Table 38. Attitudes Toward Domestic Violence, Pema Gatshel, (2010)**

Details	2010
Percentage of women age 15-49 years who believe a husband is justified in beating his wife/partner	
If goes out without telling him	30.2
If she neglects the children	34
If she argues with him	30.6
If she refuses sex with him	9.1
If she burns the food	24.8
For any of these reasons	56.4
Number of women age 15-49 years	489

Source: BMIS, 2010

**Table 39. Land Area and Damages Caused by Types, Pema Gatshel, (2007 ~ 2010)**

Details	2007	2008	2009	2010
Dzongkhag area (Sq. Km)	1,030.04	1,030.04	1,030.04	1,030.04
Total cultivated land (Acres) <sup>1</sup>	13,904.21	n.a	32,427.45	32,427.45
Damages caused by landslides <sup>2</sup>	0	0	0	0
Farmland (acres)	0	0	0	0
Houses (Number)	0	0	0	0
Roads (Km)	0	0	0	0
Damages caused by floods <sup>2</sup>	0	0	0	0
Farmland (acres)	0	0	0	0
Houses (Number)	0	0	0	0
Roads (Km)	0	0	0	0
Crops affected by drought (acres)	0	0	0	0
Crops damaged by wild animals (hectares) <sup>4</sup>	n.a	175.87	n.a	n.a
Incidence of earthquake (Number of cases reported) <sup>2</sup>	n.a	n.a	2	1
Houses damaged by earthquakes (Number)	n.a	n.a	326	184
Number of forest fires <sup>3</sup>	2	0	1	0
Acreage destroyed by forest fires	1200	0	1	0
Acreage of reforestation <sup>3</sup>	45.0	47.5	0	0
Houses/structures damaged by fires (Number) <sup>3</sup>	0	1	0	0

Source: 1Agriculture Sector, 2Environment Sector, 3 Forest Sector, Pema Gatshel Dzongkhag, 4RNR stat.bt 2009

**Table 40. Average Monthly Temperature (Degree Centigrade), Pema Gatshel, (2009 ~ 2010)**

Month/ Temperature	(Degree Celsius)			(Degree Celsius)		
	Maximum	Minimum	Average	Maximum	Minimum	Average
January	16.1	5.3	10.7	17	4	10
February	17.4	6.9	12.2	17	5	11
March	20.3	9.8	15.0	20	10	15.0
April	22.6	12.7	17.6	22	13	17
May	24.5	15.1	19.8	23	15	19
June	25.3	16.9	21.1	23	17	20
July	26.1	17.7	21.9	24	18	21
August	25.8	17.3	21.6	25	18	21
September	25.5	16.2	20.8	24	17	21
October	24.0	12.8	18.4	23.0	13	18
November	21.0	9.3	15.1	20.0	9	14
December	18.3	6.6	12.4	17	6	11
Annual	22	12	17	21	12	17

Source: SYB, NSB

**Table 41. Average Monthly Rainfall, Pema Gatshel (2009~ 2010)**

Month/ Monthly Rainfall	(Millimeter)			(Millimeter)		
	Maximum	Minimum	Average	Maximum	Minimum	Average
January	0.5	0.0	0.8	0	0	0
February	18.0	0.0	21.1	0	0	0
March	49.4	0.0	27.4	216	100	158
April	49.4	0.0	31.5	246	67	156.5
May	264.2	-	232.6	183	146	164.5
June	445	282.8	341.7	473	392	432.5
July	631	439.3	533.4	899	462	680.5
August	396	-	358.8	344	282	313
September	123.4	20	84.4	333	148	240.5
October	200.9	124	163.2	35	30	32.5
November	1.4	0.0	0.5	2	0	1
December	2.0	0.0	0.7	0	0	0
Annual	2,181.2	866.1	1796.1	2,731	1,627	2,179

Source: SYB, NSB

**Table 42. Percentage of Forest Coverage, Number of Protected Spring and Lakes, Pema Gatshel (2010)**

Details	2010
Forest coverage (%) <sup>2</sup>	54.0
Number of snow fall at Dzongkhag headquarter	0
Number of Protected spring water sources <sup>1</sup>	268
Number of Lakes <sup>1</sup>	2

Source: <sup>1</sup>Dzongkhag Forest Section, <sup>2</sup>Tenth Plan Documents, GNHC

**Table 43. Disposal of Childs Faeces, Pema Gatshel, (2010)**

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

Disposal of Childs Faeces	2010
Place of disposal of child's faeces	
Child used toilet / latrine	11.4
Put / Rinsed into toilet or latrine	53.8
Put / Rinsed into drain or ditch	24.4
Thrown into garbage (solid waste)	4.2
Buried	0.0
Left in the open	4.4
Other	1.8
Total	100
Percentage of children whose stools were disposed of safely	65.2
Number of children age 0-2 years	139

Source: BMIS 2010



**Table 44. Parliamentarians and Local Government Representatives, Pema Gatshel, (2008 & 2011)**

Details	2008	2011
Local governance (Number)		
Parliamentarians	4	4
Male	4	4
Female	0	0
Gups	11	11
Male	11	11
Female	0	0
Total gewog tshogpas <sup>1</sup>	80	56
Male	77	0
Female	3	0
Total Mangmis <sup>1</sup>	11	11
Male	11	11
Female	0	0
DYT members <sup>2</sup>	23	23
Male	23	23
Female	0	0
GYT members <sup>1</sup>	102	78
Male	99	78
Female	3	0
Polling stations <sup>2</sup>	52	52
Eligible voters (18 years and above) <sup>2</sup>	18,652	18,934
Male	n.a	n.a
Female	n.a	n.a
% of Voters turnout during election	n.a	n.a
Male	n.a	n.a
Female	n.a	n.a
Total election staff in Dzongkhag	4	4
Male	2	2
Female	2	2

Source: 1Gewog Administration, 2Election Sector, Pemagatshel Dzongkhag.

**Table 45. Parliamentary and Local Government Election Expenditures, Pema Gatshel, (2008 & 2011)**

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

Source: Election Office, Pemagatshe Dzongkhag

**Table 46. Government Finance Expenditures, Pema Gatshel (2009 ~ 2011)**

Details	2008-2009		2009-2010		2010-2011	
	Current	Capital	Current	Capital	Current	Capital
Sectors Expenditures		Total		Total		Total
Civil	n.a	126.8	n.a	n.a	n.a	n.a
Agriculture	n.a	10.0	n.a	n.a	n.a	n.a
Livestock	n.a	21.9	n.a	n.a	n.a	n.a
Forestry	n.a	10.4	n.a	n.a	n.a	n.a
Education	n.a	270.8	n.a	n.a	n.a	n.a
Health	n.a	49.9	n.a	n.a	n.a	n.a
Urban Development & Housing	n.a	29.7	n.a	n.a	n.a	n.a
Roads	n.a	n.a	n.a	n.a	n.a	n.a
Bhutan post	n.a	n.a	n.a	n.a	n.a	n.a
Telecommunication	n.a	n.a	n.a	n.a	n.a	n.a
Power	n.a	n.a	n.a	n.a	n.a	n.a
Trade & industry	n.a	-	n.a	n.a	n.a	n.a
Total	n.a	519.5	n.a	n.a	n.a	n.a
Total plan outlay	n.a	n.a	n.a	n.a	n.a	n.a

Source: Dzongkhag Administration, Pemagatshel

**Table 47. Dzongkhag 9th and 10th Five Year Plan Outlays, Pema Gatshel**

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 outlay	n.a	n.a	n.a	n.a

Source:Dzongkhag Administration,Pemagatshel

**Table 48. Dzongkhag 9th and 10th Five Year Plan Expenditure, Pema Gatshel**  
( 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:Dzongkhag Administration,Pemagatshel

**Table 49. Gewog 9th and 10th Five Year Plan Outlays, Pema Gatshel**

( In million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	15.3	13.1	n.a	43.4
Agriculture	17.5	8.2	n.a	6.3
Livestock	5.7	2.3	n.a	1.4
Forestry	148.3	149.4	n.a	309.5
Education	42.9	20.2	n.a	66.8
Health	0.5	60.9	n.a	103.0
Urban development & housing	7.2	-	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	3.0	n.a	n.a
Trade & industry	303.0	358.6	n.a	588.3
Total	n.a	n.a	n.a	n.a
Total plan outlay	n.a	n.a		

Source: Planning Unit, Pemagatshel Dzongkhag

**Table 50. Gewog 9th and 10th Five Year Plan by Expenditures, Pema Gatshel**

( In million Nu.)

Sectors	9 FYP		10 FYP	
	Current	Capital	Current	Capital
Civil	n.a	126.8	n.a	n.a
Agriculture	n.a	10.0	n.a	n.a
Livestock	n.a	21.9	n.a	n.a
Forestry	n.a	10.4	n.a	n.a
Education	n.a	270.8	n.a	n.a
Health	n.a	49.9	n.a	n.a
Urban development & housing	n.a	29.7	n.a	n.a
Roads & bridges	n.a	n.a	n.a	n.a
Religion & cultural	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
Total	n.a	519.5	n.a	n.a
Total plan outlay	n.a		n.a	n.a

Source: Dzongkhag Administration, Pemagatshel

**Table 51. Employed Persons by Age, Sex and Area of Residence, Pema Gatshel, (2008 ~ 2011)**

Details	(Number)			
	2008	2009	2010	2011
Total	n.a	n.a	5,700	9,600
Male	n.a	n.a	2,900	5,200
Female	n.a	n.a	2,800	4,400
Rural Total	n.a	n.a	5,200	700
Male	n.a	n.a	2,600	500
Female	n.a	n.a	2,600	200
Urban Total	n.a	n.a	500	8,900
Male	n.a	n.a	300	4,800
Female	n.a	n.a	200	4,100

Source : Labour Force Survey, MoLHR

**Table 52. Employment by Industries, Age Group and Sex, Pema Gatshel, (2005 and 2010)**

Details	2005	2010
Total labour force (Number)	4,350	6,800
Total employed (%)	94.8	82.4
Male	94.5	82.9
Female	95.2	81.8
Unemployment rate	5.2	17.6
Total employed in Agriculture (%)	50.1	44.6
Male	36.3	21.4
Female	68.2	23.2
Total employed in Industries (%)	18.4	39.3
Male	25.3	17.9
Female	9.3	21.4
Total employed in Services (%)	31.5	16.1
Male	38.4	10.7
Female	22.5	1.8
Total unemployed by area (%)	5.2	
Urban	2.3	7.1
Rural	5.6	92.9
Total un-employed by education (%)	n.a	17.6
Total unemployed grade XII and above	n.a	2.9
Total unemployed below grade XII	n.a	14.7
Total under employed (%)	n.a	n.a
Employed by age-group (%)	n.a	n.a
15-17 years	n.a	n.a
18-24 years	n.a	n.a
25-64 years	n.a	n.a
65 years and above	n.a	n.a
Unemployed by age-group (%)	n.a	n.a
15-17 years	n.a	n.a
18-24 years	n.a	n.a
25-64 years	n.a	n.a
65 years and above	n.a	n.a
Labor force participation rate (%)	31.4	40.7
Male participation rate	8.8	43.2
Female participation rate	53.5	37.5

Source : Labour Force Survey, MoLHR

**Table 53. Child Labour, Pema Gatshel, (2010)**

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

Child labour	2010
Percentage of children age 5-11 involved in	
Economic activity	43.6
Working outside household	1
Paid work	0.1
Unpaid work	0.9
Working for family business	42.6
Economic activity for at least one hour	43.4
Household chores less than 28 hours	37.5
Household chores for 28 hours or more	0.0
Child labour	43.4
Number of children age 5-11	382
Percentage of children age 12-14 involved in	
Economic activity	54.8
Working outside household	2.2
Paid work	0.4
Unpaid work	1.8
Working for family business	52.6
Economic activity less than 14 hours	52.2
Economic activity for 14 hours or more	0.4
Household chores less than 28 hours	52
Household chores for 28 hours or more	0.0
Child labour	0.4
Number of children age 12-14	165
Total child labour [1]	30.4
Number of children age 5-14 years	547

Source: BMIS,2010



**Table 54. Child Labour and School Attendance, Pema Gatshel, (2010)**

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

Child Labour and School Attendance	2010
Percentage of children involved in child labour	30.4
Percentage of children attending school	88.8
Number of children age 5-14 years	547
Percentage of child labourers who are attending school	96.9
Number of children age 5-14 years involved in child labour	166
Percentage of children attending school who are involved in child labour	33.2
Number of children age 5-14 years attending school	486

Source: BMIS,2010

**Table 55. Agriculture Production and Average Prices by Commodities, Pema Gatshel (2007 ~ 2009)**

Details	2007	2008	2009
<b>Paddy</b>			
Area (Acres)	1,011	215	125
Production (MT)	81,200	28,000	9,600
Price per Kg(Nu.)	n.a	n.a	n.a
<b>Maize</b>			
Area (Acres)	4,612	5,890	3,482
Production (MT)	476,300	549,400	328,300
Price per Kg(Nu.)	n.a	n.a	n.a
<b>Wheat</b>			
Area (Acres)	119.00	81.54	91.42
Production (MT)	88,000	70,000	10,000
Price per Kg(Nu.)	n.a	n.a	n.a
<b>Barley</b>			
Area (Acres)	670	141	46
Production (MT)	373,000	88,000	2,700
Price per Kg(Nu.)	n.a	n.a	n.a
<b>Buckwheat</b>			
Area (Acres)	2,293	623	574
Production (MT)	74,600	40,100	18,400
Price per Kg(Nu.)	n.a	n.a	n.a

Millet			
Area (Acres)	1,490	589	624
Production (MT)	55,600	37,000	29,300
Price per Kg(Nu.)	n.a	n.a	n.a
Fruits			
Apples			
Number of fruit bearing trees	415	500	390
Production (Kg)	4,000	16,160	5,000
Price per Kg(Nu.)	n.a	n.a	n.a
Oranges/ Mandarin			
Number of fruit bearing trees	267,010	204,210	297,364
Production (Kg)	11,765,000	7,142,980	4,006,000
Price per Kg(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
Price per Dozen(Nu.)	n.a	n.a	n.a
Pear			
Number of fruit bearing trees	2,369	300	245
Production (Kg)	98,000	16,300	11,000
Price per Kg(Nu.)	n.a	n.a	n.a
Plum			
Number of fruit bearing trees	2,725	820	958
Production (Kg)	154,000	70,600	31,000
Price per Kg(Nu.)	n.a	n.a	n.a
Areca Nut			
Production (Pon)	9,542	n.a	4,739
Production (Nu.)	1,240,460	n.a	734,545
Price per 80 Piece/ Pon(Nu.)	130	n.a	155
Vegetables and Spices			
Potato			
Production (kg)	964	787	352
Production (Nu.)	9,640	11,805	7,040
Price per Kg(Nu.)	10	15	20
Chili			
Production (kg)	234	482	139
Production (Nu.)	15,210	33,740	11,120
Price per Kg(Nu.)	65	70	80
Onion			

Production (kg)	232	n.a	6,000
Production (Nu.)	6,960	n.a	24,000
Price per Kg(Nu.)	30	n.a	40
Cabbage			
Production (kg)	53	n.a	100
Production (Nu.)	1,325	n.a	3,500
Price per Kg(Nu.)	25		35
Cauliflower			
Production (kg)	n.a	n.a	n.a
Production (Nu.)	n.a	n.a	n.a
Price per Kg(Nu.)			
Asparagus			
Production (Bundles)	n.a	n.a	n.a
Production (Nu.)	n.a	n.a	n.a
Price per bundle (Nu.)	n.a	n.a	n.a
Tomato			
Production (Kg)	190	n.a	140
Production (Nu.)	5,700	n.a	5,600
Price per Kg(Nu.)	30	n.a	40
Carrot			
Production (Kg)	n.a	n.a	50
Production (Nu.)	n.a	n.a	1,500
Price per Kg(Nu.)	n.a	n.a	30
Egg Plant (Brinjal)			
Production (Kg)	95	n.a	220
Production (Nu.)	2,850	n.a	11,000
Price per Kg(Nu.)	30	n.a	50
Raddish			
Production (Kg)	330	n.a	189
Production (Nu.)	3,300	n.a	2,835
Price per Kg(Nu.)	10	n.a	15
Ginger			
Production (Kg)	n.a	n.a	n.a
Production (Nu.)	n.a	n.a	n.a
Price per Kg(Nu.)	n.a	n.a	n.a
Cardamom			
Production (Kg)	430	n.a	1,94
Production (Nu.)	344,000	n.a	291,000
Price per Kg(Nu.)	800	n.a	1500

Garlic			
Production (Kg)	n.a	n.a	n.a
Production (Nu.)	n.a	n.a	n.a
Price per Kg(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
Price per Kg(Nu.)	n.a	n.a	n.a
Mustards			
Production (Kg)	561	122	87
Production (Nu.)	44,880	10,980	8,700
Price per Kg(Nu.)	80	90	100
Beans			
Production (Kg)	202	n.a	115
Production (Nu.)	6,060	n.a	4,025
Price per Kg(Nu.)	30	n.a	35

Source: Agriculture Sector, Pemagatshel Dzongkhag

**Table 56. Agriculture Infrastructures and Other Facilities , Pema Gatshel, (2007 ~ 2010)**

Details	2007	2008	2009	2010
Irrigation for agriculture				
Number of irrigation channels	11	11	11	11
Functional	5	5	5	5
Non-Functional	6.0	6.0	6.0	6.0
Total length of channels (Km)	18	18	18	18
Area covered by irrigation (Acres)	333	333	333	333
Number of households benefitted	n.a	n.a	n.a	n.a
Number of food processing units	110	116	116	116
Number of agriculture mills <sup>1</sup>	n.a	33	33	33
Number of livestock product processing units	n.a	n.a	1	3
Number of farmer association/groups	4	7	7	7
Agriculture	4	4	4	4
Livestock	3	3	3	3
Forestry	5	5	5	5
Number of power tillers	3	5	5	5

Note: <sup>1</sup>Including two traditional mills

Source: Agriculture Sector, Pemagatshel Dzongkhag

**Table 57: Livestock Population by Types, Pema Gatshel (2007~2009)**

Details	2007	2008	2009
Livestock (Number)			
Cattle	9245	8431	9107
Local breed	6508	5303	5647
Male	2258	1604	2417
Female	4250	3699	3230
Improved breed	2737	3128	3460
Male	609	656	792
Female	2128	2472	2668
Mithun	4	2	24
Bufallo	0	0	0
Male	0	0	0
Female	0	0	0
Horse	427	803	1431
Local breed	422	777	1420
Improved breed	5	26	11
Yak	0	0	0
Male	0	0	0
Female	0	0	0
Sheep	0	0	3
Local breed	0	0	3
Improved breed	0	0	0
Pig	1002	514	749
Local breed	909	346	416
Improved breed	93	168	333
Poultry	5251	4297	15904
Local breed	4347	3661	14900
Improved breed	904	636	1004
Goat	114	40	77

Note: Mithun includes Bamin, Jatsa & Jatsam

Source: Livestock Sector, Pemagatshel Dzongkhag

**Table 58: Livestock Productions, Pema Gatshel (2007~2010)**

Details	2007	2008	2009	2010
Livestock products				
Fresh Milk (Liters)	435,383	714,830	725,038.60	n.a
Butter (Kg)	28,266	65,245.40	44,263.82	n.a
Fresh Cheese (Kg)	69,731	193361.25	76,184.14	n.a
Processed cheese (kg)	0	0	0	n.a
Eggs (Dozen)	37,533.40	35,510.16	18,248.46	n.a
Fish (Kg)	0	0	0	n.a
Beef (Kg)		6,120	8,826	n.a
Pork (Kg)	9,232	7,837	1,854	n.a
Yak Meat (Kg)	N.A	N.A	N.A	n.a
Mutton (Kg)	0	0	0	n.a
Honey (Gm)	0	0	0	n.a
Chicken (Kg)	0	0	0	n.a

Source: Livestock Sector, Pemagatshel Dzongkhag

**Table 59. Forestry Production, Pema Gatsel (2007 ~ 2009)**

Details	2007	2008	2009
Wood Forest Product1			
Log Form (Cft)	2568.87	3456.87	5696.97
Fire wood (Cubic metres)	107	n.a	68
Flag Poles (Number)	1281	2345	4789
Shinglap (Number of trees)	60	19	16
Cham (Number of trees)	n.a	264	876
Tsim (Number of trees)	n.a	90	714
Non-Wood Forest Product2			
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)	170	126	324
Stones (Truck load)	397	453	1685
Bamboo (Number)	2542	3997	4411
Cane (Bundles)	n.a	n.a	n.a
Lemon grass (Kg)	n.a	n.a	n.a
Mining Sites (Number)	2	2	2
Quarry Sites	0	0	1
Municipal Waste Disposal Sites	0	0	0
Environmental Clearance Issued	n.a	n.a	n.a

Note:Cordyceps amount collected only for auction royalty charges.

“Source:1Divisional Forest Samdrup Jongkhar & Pemagathel Administration “

**Table 60. Electricity Generating Stations and Capacities, Pema Gatshel (2009 & 2010)**

Stations	2009			2010		
	Installed capacity (no.x MW)	Generating capacity (MW)	Peak generation (MU)	Installed capacity (no.x MW)	Generating capacity (MW)	Peak generation (MU)
list the name	n.a	n.a	n.a	n.a	n.a	n.a
Diesel generation stations	n.a	n.a	n.a	n.a	n.a	n.a
list the name	n.a	n.a	n.a	n.a	n.a	n.a
Other diesel stations	n.a	n.a	n.a	n.a	n.a	n.a
list the name	n.a	n.a	n.a	n.a	n.a	n.a

Source : Department of Energy, MoEA, Pemagatshel

**Table 61. Number of Households by Area, Pema Gatshel, (2009 ~ 2011)**

Details	2009	2010	2011
Total number of household in Urban	484	494	n.a
Total number of household in Rural	4,726	4,760	n.a

Source: Gewog and Dzongkhag Administration, Pemagatshel

**Table 62. Number of Building Permits issued by Towns, Pema Gatshel, (2009 ~ 2011)**

new buildings	2009	2010	2011
Pemagatshel Town	n.a	n.a	n.a
Denchi Town	n.a	n.a	n.a
Nganglam Town	n.a	n.a	n.a

Source: Dzongkhag Municipal, Pemagatshel Dzongkhag



**Table 63. Number of Establishment by Type and Size, Pema Gatshel, (2009 ~ 2011)**

Details	2009	2010	2011
Industries by type (Number)			
Agro based	2	5	6
Forestry based	2	11	7
Mineral based	1	6	9
Others	1	1	3
Industries by scale (Number)	20	23	35
Large	0	1	2
Medium	0	0	4
Small	2	3	3
Cottage	18	19	26
Contract firms (Number)	10	52	59
Large	0	0	0
Medium	0	0	0
Small	10	51	59

Source: Regional Trade Office, Samdrup Jongkhar

**Table 64. Number of Wholesale, Retail Trade and Industrial Licenses Issued, Pema Gatshel, (2007 ~ 2011)**

Details	(Number)				
	2007	2008	2009	2010	2011
Trade and Industries					
Micro & retail trade licences issued	63	62	62	79	82
Micro & retail trade licences in operation	63	62	61	79	82
Wholesale trade licences issued	3	3	3	2	2
Wholesale trade licences in operation	3	3	3	2	2
Services licences issued	20	20	20	24	24
Services licences in operation	20	20	20	24	24
Manufacturing licenses issued	2	5	8	8	8
Manufacturing licenses in operation	2	5	8	7	7

Source: Regional Trade Office, Samdrup Jongkhar

**Table 65. Number of Public Transport and Facilities, Pema Gatshel, (2007 ~ 2011)**  
(Number)

Details	2007	2008	2009	2010	2011
Public Service Transport	0	0	0	0	0
Bus	0	0	0	0	0
Taxi	n.a	n.a	n.a	n.a	n.a
Motor vehicle registration					
Heavy	n.a	n.a	n.a	n.a	n.a
Medium	n.a	n.a	n.a	n.a	n.a
Small	n.a	n.a	n.a	n.a	n.a
Two wheeler	n.a	n.a	n.a	n.a	n.a
Auto Mobile workshop <sup>3</sup>	3	3	2	2	2
Bus stations	0	0	0	0	0

Source: RSTA Regional Office, Pemagatshel

**Table 66: Roads and Bridges, Pema Gatshel, (2007~2010)**

Details	2007	2008	2009	2010	2011
Roads (Length in Km)	119.47	119.47	119.47	196.84	265.82
Farm roads <sup>1</sup>	44.10	44.10	44.10	121.47	190.452
Feeder roads <sup>2</sup>	24.47	24.47	24.47	24.47	24.47
Forest roads <sup>1</sup>	27.90	27.90	27.90	27.90	27.90
Highways/Dzongkhag roads	23.00	23.00	23.00	23.00	23.00
Bridges (Number)	19.00	19.00	19.00	19.00	19.00
Suspension bridge <sup>1</sup>	11.00	11.00	11.00	11.00	11.00
Suspended <sup>1</sup>	7.00	7.00	7.00	7.00	7.00
Bailey bridges <sup>2</sup>	1.00	1.00	1.00	1.00	1.00
Traditional bridges <sup>1</sup>	0.00	0.00	0.00	0.00	0.00

Source: 1Dzongkhag Engineering Section, 2Department of Roads, Pemagatshel

**Table 67. Telecommunications, Pema Gatshel, (2007 ~ 2011)**

Telecommunications	(Number)				
	2007	2008	2009	2010	2011
Households with fixed telephone connections	0	553	522	520	515
Tashi cell users	0	0	0	0	0
B.mobile users	0	0	0	0	0
Community information centres	0	0	0	0	4
Gewogs accessible to mobile services	0	9	9	11	11
Households with internet access	0	21	76	218	235
Bhutan post office	1	1	1	1	1

Source: Gewog Administration Office & Regional Office, Pemagatshel Dzongkhag.

**Table 68. Number of Establishment in Bnking and Finance, Pema Gatshel, (2009 ~ 2011)**

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

Source: Financial Institutions, Pemagatshel Dzongkhag

**Table 69. Number of account holders in Banks, Pema Gatshel, (2010)**

Number of facilities	Number of account holders (2010)				
	Loan	savings	current	fixed deposit	recurring deposit
RICB	n.a	n.a	n.a	n.a	n.a
BDFCL	989	1,621	5	179	115
BNB	n.a	n.a	n.a	n.a	n.a
PNB	n.a	n.a	n.a	n.a	n.a
T Bank	n.a	n.a	n.a	n.a	n.a
Bhutan insurance limited	n.a	n.a	n.a	n.a	n.a
BOB	307	2,516	69	314	

Source: Financial Institutions, Pemagatshel Dzongkhag

**Table 70. Number of Administrative Units, Pema Gatshel, (2007 ~ 2011)**

Details	2007	2008	2009	2010	2011
Administration (Number)					
Drungkhags	1	1	1	1	1
Gewogs	11	11	11	11	11
Chiwogs	93	93	93	93	56
Villages	239	239	239	239	157
Households	4,219	n.a	n.a	5,258	n.a
Towns	2	2	2	2	2
Number of Police stations	2	2	2	2	2

**Table 71. Recreation, Tourist Visitors and Accommodation, Pema Gatshel, (2007 ~ 2011)**

Details	2007	2008	2009	2010	2011
Number of children park	0	0	0	0	0
Number of hotels	3	4	4	5	5
Number of restaurants	6	6	7	8	8
Number of drayangs	0	0	0	0	0
Number of discotheques	0	0	0	0	0
Number of tourist visitors	n.a	n.a	n.a	n.a	n.a

Source: Administration Office, Pemagatshel Dzongkhag



**National Statistics Bureau**  
**ROYAL GOVERNMENT OF BHUTAN**  
P.O. Box No. 338 Thimphu  
Telephone No: +975-2-322753/333296/325402  
Fax: +975-2-323069

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