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### **Foreword**

The Department of Employment of the Ministry of Labour & Human Resources is pleased to release the second issue of Labour Market Information Bulletin.

Labour Market Information (LMI) is crucial for understanding the labour market changes that are taking in the economy. It is an indispensable tool for the formulation of the precise labour policies. The quality labour policies depend on collection of correct and timely information of the supply and demand of labour.

This LMI report contains information collected and analyzed from many sources mainly the Labour Force Surveys, Population & Housing Census of Bhutan 2005 (PHCB2005), statistical reports obtained from Ministry of Education, royal Civil Service Commission and Royal University of Bhutan. The LMI covers important economically active and inactive cohort of population. In brief, it shows the labour situation and the state of economy.

On behalf of the Department of Employment, Ministry of Labour & Human Resources, I would like to thank all those who have contributed and supported the production of this bulletin. It is our hope that Government, Non-Government agencies, students, job seekers and career guidance counselors make use of the LMI bulletin for planning and decision-making.

The Department will bring out quarterly publication of the LMI Bulletin. We would like to invite your valuable comments and suggestions for further improvement of the bulletin.

Dr. Sonam Tenzin  
**Secretary**  
Ministry of Labour and Human Resources

## Definition

- 01. Reference Period:** The reference period of the survey pertains to the last one week's time prior to the date of enumeration.
- 02. Labour Force:** The labour force comprises of the economically active population 15 years of age and above.
- 03. The Economically Active Population:** Is defined as that cohort of population who are/were employed or unemployed in the labour force during the reference period of the survey.
- 04. Economically Inactive Population:** This group include those persons who are engaged in own housework, going to school, unable to work owing to disabilities, retired and the ones who are voluntarily idle. Or in other words it is defined as that cohort of persons who are/were not found working during the survey and sometimes not available during the time of enumeration.
- 05. Employed:** Is defined as those persons, who during the reference period, worked as paid employees, employers, own account workers (self employed), or unpaid family workers. This even includes persons with a job but not at work during the reference period.
- 06. Unemployed:** Those persons who did not work during the reference period but available or looking for work.
- 07. Employee:** The person who works for payment.
- 08. Employer:** The person who employs at least one paid employee under him.
- 09. Own account worker:** The person who works for own or only with contributory family workers
- 10. Unpaid family worker:** The person who works for own family enterprise without any payment.

## INTRODUCTION

Generally, the nature of the market in a market space is known by the three key economic factors viz. demand, supply and the price. The precise structure of the market is often determined by the above three factors. In the like manner, the labour market too is a space where the demander and the supplier of the labour meet. Demand for the labour encompasses the number of employment opportunities available in the public and private sector institutions within the country and abroad into the bargain. Supply of the labour represents the number of workers entering into the world of work from, schools, universities, Educational Institutes, and technical and vocational training institutions. Price of the labour reveals the wage rates at which the Bhutanese labour is exchanged locally and internationally.

The labour market information contained in this bulletin comprises information on various areas of labour market viz. demand and supply of labour, employment, unemployment, highly demanded jobs in the job advertisements, wages, and vocational trainings.

The information contained in this bulletin will not only help the decision makers to based their decision on an evidence, which we normally called an evidence-based decision making but also will help those job seekers to make a career related decision. It will help the job providers both in private and public sectors to explore the availability of labour supply. It will also be valuable for the Policy and Planning Division of the Ministry of Labour and Human Resources to forecast the future demand and supply of labour and the structure of expected labour market.

The information presented in this bulletin is an outcome of the analysis carried out from the data collected and tabulated from various sources of Population and Housing Census of Bhutan 2005, Labour Force Surveys conducted by the Department of Employment, Vocational Training Institutes, Department of Human Resources, Ministry of Education, Royal Civil Service Commission, Royal University of Bhutan etc.

## **Summary and Highlights**

The data pertaining to the demand for labour has been mainly computed and analyzed from the available administrative data of the Department of Employment. The Department of Employment has collected and compiled the data on job advertisements given in the three news papers & also from the Bhutan Broadcasting Service.

There are two categories of job advertisements namely private and public. The public advertisements are easy to collect and compile whereas the private job advertisements have to be either through a scrupulous recording of the advertisements given in the media or through the establishment census & surveys. Many private establishments do not all the time advertise the demand for job and the data are most of the time gathered through surveys & censuses.

The future demand of the jobs was obtained from the data collected during the industrial visits of the officials of the Ministry. There is an inadequate data to depict the true future demand of labour. The data on the exchange rate of the Bhutanese labour has been computed from the past Labour Force Surveys.

The supply of labour into the labour market towards the end of the 10th Five Year Plan has been projected based on the current trend. The sources of information on this factor has been the schools, vocational training institutes, tertiary institutes and from the Department of Adult & Higher Education.

Managers, Engineers (Civil & Electrical), General Officers, Accountant, Office Secretary, Security Guards, General Drivers, and Mechanics & Domestic Helpers are the highest demanding occupations in the current labour market.

### **EMPLOYMENT**

The median employment rate over the years (1998 – 2006) is 98.1% (male = 98.4% & female =96.8%). There are 249030 employees (male = 158073 & female = 90957) employed as of 2005 out of which 108617 persons are employed in Agricultural sector followed by construction sector.

For every 100 population (working age group 15-65) it is found that there are 60.6 dependents as per the population and housing census of Bhutan 2005.

### **UNEMPLOYMENT**

The median unemployment rate over the years (1998 – 2006) is computed at 1.9% (male = 1.6% & female = 3.2%). There are 7865 persons unemployed (male = 4767 & female = 3098) as of 2005. The highest unemployment rate (4.7%) is reported in the urban area against 2.6% in the rural.

### **SUPPLY of LABOUR**

From the various registers in the tertiary & vocational institutes it is estimated that more than 3549 trainees and 10138 students (Class X & XII) are enrolled and 2791 trainees and 7138 students passed-out from 2002 to 2005.

### **DEMAND for LABOUR**

There were total of 5707 jobs advertised for the past four years (2002-2006) till quarter of 2007 out of which 35% of the advertisements were from the government. There were only 14% and 48% advertised from Corporations & Private sectors respectively. Less than 3% of the overall job advertisements were from the Non-government Organizations. As per MoUs skills required in the private & corporate sectors between 2006-2008 is 3075.

### **WAGE**

The data pertaining to wage is estimated & computed from Labour Net. The rate at which Bhutanese labours are exchanged locally is estimated by occupational category (ISCO-88).

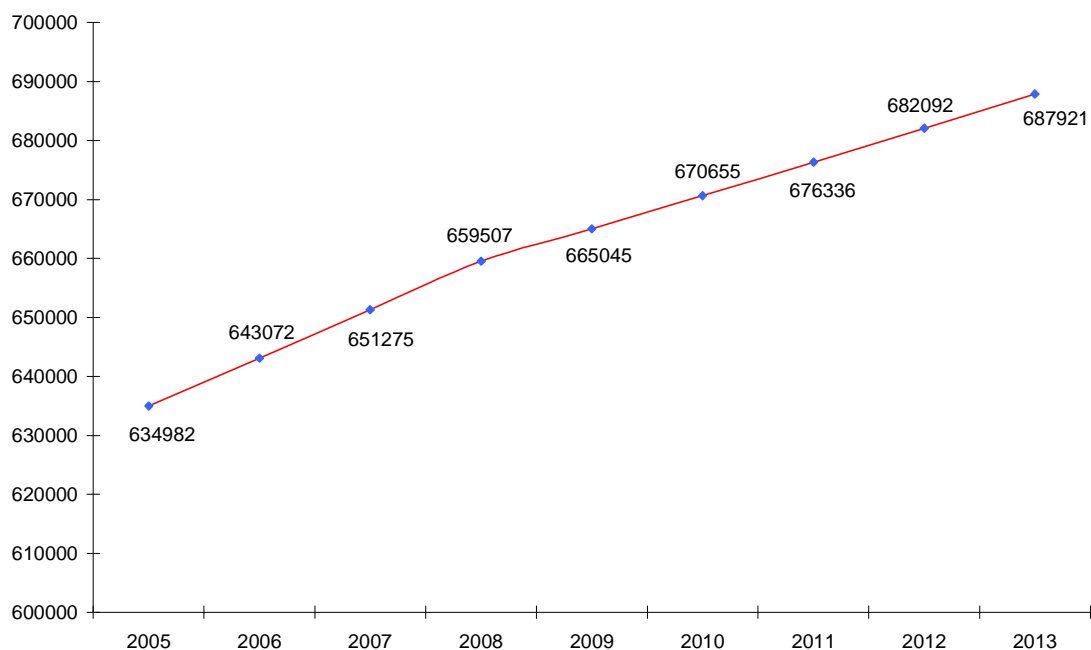
**Section 1: Population and Labour Force**

**Table 1 .1: Population Growth till 2013**

Population			
Year	Male	Female	Total
1998	322045	315732	637777
1999	332031	325519	657550
2001	352935	346012	698947
2003	369474	362224	731698
2004	380076	372624	752700
2005	333595	301387	634982
2006	337517	305555	643072
2007	341488	309787	651275
2008	345374	314133	659507
2009	349392	315653	665045
2010	353458	317197	670655
2011	357571	318765	676336
2012	361733	320359	682092
2013	365943	321978	687921

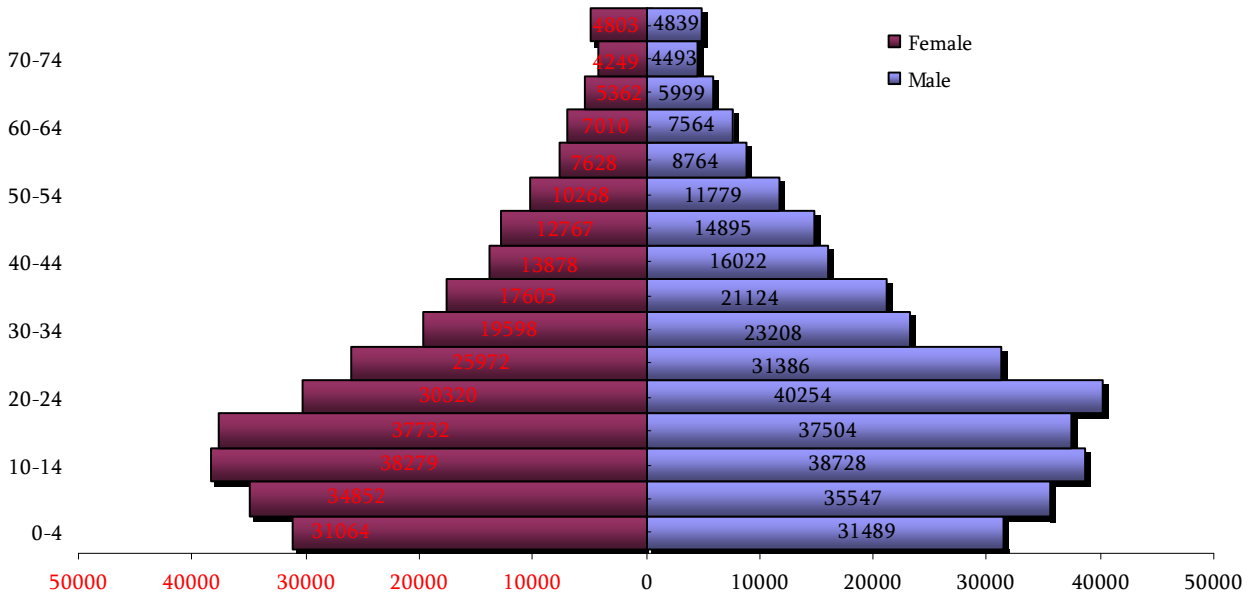
**Source:** The population figures from 1998 to 2004 have been computed from Statistical Year Book of NSB & the rest are projected using the Exponential Growth Model.

**Population Growth till 2013**





Population Pyramid, 2005



**Source:** Population & Housing Census 2005

The population by Dzonkhag has been projected for the two consecutive years (2006 & 2007) using the natural increase rate of 1.3% and the rest by using the econometrics model (Exponential Growth Model). Going by the area of residence, the forecast shows that among the urban cities, Thimphu Dzongkhag will have the highest population in 2013 followed by Chukha and S/Jongkhar.

**Table 1 .2: Population Projection by Dzongkhag, Sex, and National**

National		Bhumthang	Chukha	Dagana	Gasa	Haa	Lhuntse	Mongar	Paro	P/Gatshel	Punakha	S/Jongkhar	Samtse	Sarpang	Thimphu	T/Gang	T/Yangtse	Trongsa	Tsirang	Wangdue	Zhemgang	Total
2005	Male	8751	42298	9168	1635	6284	7727	18694	19294	6856	8989	20555	31306	21664	53496	26056	8861	6869	9517	16083	9492	333595
	Female	7365	32089	9054	1481	5364	7668	18375	17139	7008	8726	19406	28794	19885	45180	25078	8879	6550	9150	15052	9144	301387
	<b>Total</b>	<b>16116</b>	<b>74387</b>	<b>18222</b>	<b>3116</b>	<b>11648</b>	<b>15395</b>	<b>37069</b>	<b>36433</b>	<b>13864</b>	<b>17715</b>	<b>39961</b>	<b>60100</b>	<b>41549</b>	<b>98676</b>	<b>51134</b>	<b>17740</b>	<b>13419</b>	<b>18667</b>	<b>31135</b>	<b>18636</b>	<b>634982</b>
2006	Male	8855	42654	9332	1652	6353	7814	18952	19472	6945	9093	20812	31629	21958	54147	26358	8976	6976	9646	16277	9616	337517
	Female	7435	32556	9193	1500	5417	7772	18660	17324	7076	8832	19708	29173	20189	45824	25404	9024	6634	9279	15274	9281	305555
	<b>Total</b>	<b>16290</b>	<b>75210</b>	<b>18525</b>	<b>3152</b>	<b>11770</b>	<b>15586</b>	<b>37612</b>	<b>36796</b>	<b>14021</b>	<b>17925</b>	<b>40520</b>	<b>60802</b>	<b>42147</b>	<b>99971</b>	<b>51762</b>	<b>18000</b>	<b>13610</b>	<b>18925</b>	<b>31551</b>	<b>18897</b>	<b>643072</b>
2007	Male	8960	43013	9499	1669	6423	7902	19213	19652	7035	9199	21073	31956	22255	54807	26663	9093	7085	9777	16473	9741	341488
	Female	7506	33031	9335	1519	5470	7876	18950	17512	7144	8939	20016	29558	20498	46477	25734	9172	6720	9410	15500	9420	309787
	<b>Total</b>	<b>16466</b>	<b>76044</b>	<b>18834</b>	<b>3188</b>	<b>11893</b>	<b>15778</b>	<b>38163</b>	<b>37164</b>	<b>14179</b>	<b>18138</b>	<b>41089</b>	<b>61514</b>	<b>42753</b>	<b>101284</b>	<b>52397</b>	<b>18265</b>	<b>13805</b>	<b>19187</b>	<b>31973</b>	<b>19161</b>	<b>651275</b>
2008	Male	9067	43375	9669	1686	6494	7991	19478	19833	7127	9305	21338	32286	22557	55474	26972	9211	7195	9910	16672	9868	345374
	Female	7577	33512	9479	1539	5524	7983	19243	17701	7214	9047	20329	29947	20811	47140	26069	9322	6807	9543	15729	9562	314133
	<b>Total</b>	<b>16644</b>	<b>76887</b>	<b>19148</b>	<b>3225</b>	<b>12018</b>	<b>15973</b>	<b>38721</b>	<b>37534</b>	<b>14341</b>	<b>18353</b>	<b>41667</b>	<b>62233</b>	<b>43369</b>	<b>102614</b>	<b>53041</b>	<b>18533</b>	<b>14002</b>	<b>19453</b>	<b>32400</b>	<b>19430</b>	<b>659507</b>
2009	Male	9175	43740	9842	1703	6565	8081	19746	20016	7220	9413	21607	32619	22863	56150	27284	9331	7307	10045	16873	9997	349392
	Female	7604	33719	9488	1540	5540	7996	19303	17729	7235	9054	20468	30020	20910	47716	26110	9341	6835	9566	15803	9586	315653
	<b>Total</b>	<b>16779</b>	<b>77459</b>	<b>19330</b>	<b>3243</b>	<b>12105</b>	<b>16076</b>	<b>39049</b>	<b>37745</b>	<b>14454</b>	<b>18467</b>	<b>42075</b>	<b>62640</b>	<b>43773</b>	<b>103866</b>	<b>53394</b>	<b>18672</b>	<b>14142</b>	<b>19611</b>	<b>32675</b>	<b>19584</b>	<b>665045</b>
2010	Male	9284	44108	10018	1720	6637	8172	20019	20201	7313	9523	21880	32956	23174	56834	27600	9452	7421	10182	17076	10128	353458
	Female	7632	33929	9498	1541	5556	8009	19364	17758	7256	9061	20611	30095	21010	48300	26152	9361	6863	9589	15878	9611	317197
	<b>Total</b>	<b>16916</b>	<b>78038</b>	<b>19515</b>	<b>3261</b>	<b>12193</b>	<b>16180</b>	<b>39382</b>	<b>37959</b>	<b>14569</b>	<b>18583</b>	<b>42490</b>	<b>63051</b>	<b>44184</b>	<b>105134</b>	<b>53752</b>	<b>18813</b>	<b>14284</b>	<b>19771</b>	<b>32954</b>	<b>19739</b>	<b>670655</b>
2011	Male	9395	44479	10197	1738	6710	8264	20295	20388	7408	9633	22157	33297	23488	57527	27920	9575	7537	10322	17282	10260	357571
	Female	7659	34142	9507	1542	5572	8022	19425	17787	7278	9068	20757	30170	21111	48893	26194	9381	6892	9613	15955	9637	318765
	<b>Total</b>	<b>17054</b>	<b>78622</b>	<b>19704</b>	<b>3280</b>	<b>12282</b>	<b>16286</b>	<b>39720</b>	<b>38175</b>	<b>14686</b>	<b>18701</b>	<b>42914</b>	<b>63467</b>	<b>44600</b>	<b>106421</b>	<b>54114</b>	<b>18956</b>	<b>14428</b>	<b>19935</b>	<b>33237</b>	<b>19897</b>	<b>676336</b>
2012	Male	9507	44854	10379	1756	6784	8357	20574	20577	7505	9745	22438	33641	23808	58228	28244	9699	7654	10463	17491	10394	361733
	Female	7688	34358	9517	1543	5589	8036	19488	17817	7300	9074	20907	30247	21214	49496	26237	9401	6921	9637	16033	9663	320359
	<b>Total</b>	<b>17195</b>	<b>79212</b>	<b>19896</b>	<b>3299</b>	<b>12373</b>	<b>16392</b>	<b>40062</b>	<b>38394</b>	<b>14805</b>	<b>18819</b>	<b>43345</b>	<b>63887</b>	<b>45022</b>	<b>107724</b>	<b>54480</b>	<b>19100</b>	<b>14575</b>	<b>20101</b>	<b>33524</b>	<b>20057</b>	<b>682091</b>
2013	Male	9621	45231	10565	1774	6859	8451	20858	20767	7602	9858	22723	33988	24131	58938	28571	9826	7773	10607	17702	10530	365943
	Female	7716	34576	9526	1544	5605	8049	19552	17848	7323	9081	21061	30324	21319	50107	26280	9421	6951	9662	16114	9689	321978
	<b>Total</b>	<b>17337</b>	<b>79808</b>	<b>20091</b>	<b>3318</b>	<b>12464</b>	<b>16500</b>	<b>40410</b>	<b>38615</b>	<b>14925</b>	<b>18939</b>	<b>43785</b>	<b>64312</b>	<b>45450</b>	<b>109045</b>	<b>54851</b>	<b>19247</b>	<b>14725</b>	<b>20269</b>	<b>33815</b>	<b>20219</b>	<b>687921</b>
Natural Increase	Male	1.2	0.8	1.8	1.0	1.1	1.1	1.4	0.9	1.3	1.1	1.3	1.1	1.3	1.2	1.2	1.3	1.6	1.4	1.2	1.3	1.2
	Female	1.0	1.2	1.6	1.3	1.0	1.4	1.6	1.1	1.0	1.2	1.6	1.3	1.5	1.5	1.3	1.6	1.3	1.4	1.5	1.5	1.4
	<b>Total</b>	<b>1.1</b>	<b>1.0</b>	<b>1.7</b>	<b>1.2</b>	<b>1.0</b>	<b>1.3</b>	<b>1.5</b>	<b>1.0</b>	<b>1.2</b>	<b>1.2</b>	<b>1.4</b>	<b>1.2</b>	<b>1.4</b>	<b>1.3</b>	<b>1.2</b>	<b>1.5</b>	<b>1.4</b>	<b>1.4</b>	<b>1.3</b>	<b>1.4</b>	<b>1.3</b>

**Table 1.3: Urban**

Urban		Bhumthang	Chukha	Dagana	Gasa	Haa	Lhuntse	Mongar	Paro	P/Gatshel	Punakha	S/Jongkhar	Samtse	Sarpang	Thimphu	T/Gang	T/Yangtse	Trongsa	Tsirang	Wangdue	Zhemgang	Total
2005	Male	2353	17577	1051	220	1332	838	4018	1673	1304	1199	6012	5115	6734	42465	3772	1588	1455	822	4219	1812	105559
	Female	1850	15349	907	182	1163	638	3135	1259	983	1093	4952	5024	5862	36720	3044	1430	1240	844	3303	1574	90552
	<b>Total</b>	<b>4203</b>	<b>32926</b>	<b>1958</b>	<b>402</b>	<b>2495</b>	<b>1476</b>	<b>7153</b>	<b>2932</b>	<b>2287</b>	<b>2292</b>	<b>10964</b>	<b>10139</b>	<b>12596</b>	<b>79185</b>	<b>6816</b>	<b>3018</b>	<b>2695</b>	<b>1666</b>	<b>7522</b>	<b>3386</b>	<b>196111</b>
2006	Male	2393	17735	1069	224	1347	842	4070	1675	1321	1210	6138	5176	6848	43017	3829	1609	1475	847	4282	1828	106935
	Female	1876	15549	916	183	1178	650	3191	1285	1003	1100	5081	5094	5956	37271	3084	1449	1266	865	3372	1598	91967
	<b>Total</b>	<b>4269</b>	<b>33284</b>	<b>1985</b>	<b>407</b>	<b>2525</b>	<b>1492</b>	<b>7261</b>	<b>2960</b>	<b>2324</b>	<b>2310</b>	<b>11219</b>	<b>10270</b>	<b>12804</b>	<b>80288</b>	<b>6913</b>	<b>3058</b>	<b>2741</b>	<b>1712</b>	<b>7654</b>	<b>3426</b>	<b>198902</b>
2007	Male	2434	17895	1087	228	1361	846	4123	1676	1338	1221	6267	5238	6965	43576	3886	1630	1496	872	4347	1845	108331
	Female	1902	15751	925	184	1193	662	3249	1312	1023	1106	5213	5166	6051	37830	3124	1467	1293	887	3443	1622	93403
	<b>Total</b>	<b>4336</b>	<b>33646</b>	<b>2012</b>	<b>412</b>	<b>2554</b>	<b>1508</b>	<b>7372</b>	<b>2988</b>	<b>2361</b>	<b>2327</b>	<b>11480</b>	<b>10404</b>	<b>13016</b>	<b>81406</b>	<b>7010</b>	<b>3097</b>	<b>2789</b>	<b>1759</b>	<b>7790</b>	<b>3467</b>	<b>201734</b>
2008	Male	2475	18056	1106	232	1376	851	4177	1678	1356	1232	6399	5301	7083	44143	3944	1651	1517	898	4412	1861	109730
	Female	1929	15955	934	185	1209	675	3307	1340	1043	1113	5348	5238	6148	38397	3164	1486	1320	909	3515	1646	94968
	<b>Total</b>	<b>4404</b>	<b>34011</b>	<b>2040</b>	<b>417</b>	<b>2585</b>	<b>1526</b>	<b>7484</b>	<b>3018</b>	<b>2399</b>	<b>2344</b>	<b>11747</b>	<b>10539</b>	<b>13231</b>	<b>82540</b>	<b>7109</b>	<b>3137</b>	<b>2837</b>	<b>1807</b>	<b>7927</b>	<b>3507</b>	<b>204698</b>
2009	Male	2517	18218	1124	236	1392	855	4231	1680	1373	1243	6533	5365	7204	44717	4003	1672	1538	925	4478	1878	111156
	Female	1956	16163	944	186	1225	688	3367	1368	1064	1119	5487	5311	6246	38973	3205	1506	1347	932	3589	1671	96488
	<b>Total</b>	<b>4473</b>	<b>34381</b>	<b>2068</b>	<b>422</b>	<b>2616</b>	<b>1543</b>	<b>7598</b>	<b>3048</b>	<b>2437</b>	<b>2362</b>	<b>12021</b>	<b>10676</b>	<b>13450</b>	<b>83690</b>	<b>7209</b>	<b>3178</b>	<b>2886</b>	<b>1857</b>	<b>8067</b>	<b>3549</b>	<b>207644</b>
2010	Male	2560	18382	1143	241	1407	859	4286	1681	1391	1254	6670	5429	7326	45298	4064	1694	1560	953	4545	1895	112601
	Female	1983	16373	953	187	1241	701	3427	1397	1085	1126	5630	5386	6346	39558	3247	1525	1376	955	3665	1696	98032
	<b>Total</b>	<b>4543</b>	<b>34755</b>	<b>2097</b>	<b>427</b>	<b>2647</b>	<b>1560</b>	<b>7714</b>	<b>3078</b>	<b>2476</b>	<b>2380</b>	<b>12300</b>	<b>10815</b>	<b>13672</b>	<b>84856</b>	<b>7311</b>	<b>3219</b>	<b>2936</b>	<b>1908</b>	<b>8210</b>	<b>3591</b>	<b>210633</b>
2011	Male	2603	18548	1163	245	1422	863	4342	1683	1409	1265	6810	5495	7451	45887	4124	1716	1582	982	4613	1912	114065
	Female	2011	16586	963	188	1257	714	3489	1426	1107	1133	5777	5461	6448	40151	3289	1545	1405	979	3742	1721	99600
	<b>Total</b>	<b>4614</b>	<b>35134</b>	<b>2126</b>	<b>432</b>	<b>2679</b>	<b>1578</b>	<b>7831</b>	<b>3109</b>	<b>2516</b>	<b>2398</b>	<b>12587</b>	<b>10956</b>	<b>13898</b>	<b>86038</b>	<b>7414</b>	<b>3261</b>	<b>2986</b>	<b>1960</b>	<b>8355</b>	<b>3633</b>	<b>213665</b>
2012	Male	2648	18715	1183	249	1438	868	4398	1685	1427	1277	6953	5560	7577	46483	4186	1738	1604	1011	4682	1929	115548
	Female	2039	16801	972	188	1273	728	3552	1456	1129	1140	5927	5538	6551	40754	3332	1565	1434	1003	3820	1747	101194
	<b>Total</b>	<b>4687</b>	<b>35516</b>	<b>2155</b>	<b>438</b>	<b>2711</b>	<b>1596</b>	<b>7950</b>	<b>3141</b>	<b>2557</b>	<b>2416</b>	<b>12880</b>	<b>11098</b>	<b>14128</b>	<b>87237</b>	<b>7518</b>	<b>3304</b>	<b>3038</b>	<b>2014</b>	<b>8503</b>	<b>3676</b>	<b>216742</b>
2013	Male	2693	18883	1203	254	1454	872	4455	1686	1446	1288	7099	5627	7706	47088	4249	1761	1626	1041	4753	1947	117050
	Female	2068	17020	982	189	1290	742	3616	1487	1152	1147	6081	5615	6656	41365	3375	1586	1464	1028	3900	1773	102813
	<b>Total</b>	<b>4760</b>	<b>35903</b>	<b>2185</b>	<b>443</b>	<b>2743</b>	<b>1614</b>	<b>8071</b>	<b>3173</b>	<b>2598</b>	<b>2435</b>	<b>13180</b>	<b>11242</b>	<b>14362</b>	<b>88452</b>	<b>7624</b>	<b>3347</b>	<b>3090</b>	<b>2070</b>	<b>8653</b>	<b>3720</b>	<b>219863</b>
Natural Increase	Male	1.7	0.9	1.7	1.8	1.1	0.5	1.3	0.1	1.3	0.9	2.1	1.2	1.7	1.3	1.5	1.3	1.4	3.0	1.5	0.9	1.3
	Female	1.4	1.3	1.0	0.5	1.3	1.9	1.8	2.1	2.0	0.6	2.6	1.4	1.6	1.5	1.3	1.3	2.1	2.5	2.1	1.5	1.6
	<b>Total</b>	<b>1.6</b>	<b>1.1</b>	<b>1.4</b>	<b>1.2</b>	<b>1.2</b>	<b>1.1</b>	<b>1.6</b>	<b>1.0</b>	<b>1.6</b>	<b>0.8</b>	<b>2.3</b>	<b>1.3</b>	<b>1.7</b>	<b>1.4</b>	<b>1.4</b>	<b>1.3</b>	<b>1.7</b>	<b>2.8</b>	<b>1.8</b>	<b>1.2</b>	<b>1.9</b>

Table 1 .4: Rural

Rural		Bhumthang	Chukha	Dagana	Gasa	Haa	Lhuntse	Mongar	Paro	P/Gatshel	Punakha	S/Jongkhar	Samtse	Sarpang	Thimphu	T/Gang	T/Yangtse	Trongsa	Tsirang	Wangdue	Zhemgang	Total
2005	Male	6398	24721	8117	1415	4952	6889	14676	17621	5552	7790	14543	26191	14930	11031	22284	7273	5414	8695	11864	7680	228036
	Female	5515	16740	8147	1299	4201	7030	15240	15880	6025	7633	14454	23770	14023	8460	22034	7449	5310	8306	11749	7570	210835
	<b>Total</b>	<b>11913</b>	<b>41461</b>	<b>16264</b>	<b>2714</b>	<b>9153</b>	<b>13919</b>	<b>29916</b>	<b>33501</b>	<b>11577</b>	<b>15423</b>	<b>28997</b>	<b>49961</b>	<b>28953</b>	<b>19491</b>	<b>44318</b>	<b>14722</b>	<b>10724</b>	<b>17001</b>	<b>23613</b>	<b>15250</b>	<b>438871</b>
2006	Male	6462	24919	8263	1428	5006	6972	14881	17797	5624	7883	14674	26453	15109	11130	22529	7368	5501	8799	11995	7788	230581
	Female	5559	17008	8277	1317	4239	7121	15469	16039	6073	7732	14627	24079	14233	8553	22320	7576	5368	8414	11902	7684	213590
	<b>Total</b>	<b>12021</b>	<b>41927</b>	<b>16540</b>	<b>2745</b>	<b>9245</b>	<b>14093</b>	<b>30350</b>	<b>33836</b>	<b>11697</b>	<b>15615</b>	<b>29301</b>	<b>50532</b>	<b>29342</b>	<b>19683</b>	<b>44849</b>	<b>14944</b>	<b>10869</b>	<b>17213</b>	<b>23897</b>	<b>15472</b>	<b>444171</b>
2007	Male	6527	25118	8412	1441	5062	7055	15090	17975	5697	7978	14806	26717	15290	11230	22777	7463	5589	8905	12126	7897	233155
	Female	5604	17280	8410	1336	4277	7214	15701	16199	6122	7833	14803	24392	14447	8647	22611	7704	5427	8523	12056	7799	216385
	<b>Total</b>	<b>12131</b>	<b>42398</b>	<b>16822</b>	<b>2777</b>	<b>9339</b>	<b>14269</b>	<b>30791</b>	<b>34174</b>	<b>11819</b>	<b>15811</b>	<b>29609</b>	<b>51109</b>	<b>29737</b>	<b>19877</b>	<b>45388</b>	<b>15167</b>	<b>11016</b>	<b>17428</b>	<b>24182</b>	<b>15696</b>	<b>449540</b>
2008	Male	6592	25319	8563	1454	5117	7140	15301	18155	5771	8074	14939	26985	15474	11332	23027	7560	5678	9012	12260	8007	235644
	Female	5648	17556	8544	1354	4315	7308	15936	16361	6171	7935	14981	24709	14664	8742	22905	7835	5487	8634	12213	7916	219165
	<b>Total</b>	<b>12240</b>	<b>42876</b>	<b>17108</b>	<b>2808</b>	<b>9433</b>	<b>14448</b>	<b>31237</b>	<b>34516</b>	<b>11942</b>	<b>16008</b>	<b>29920</b>	<b>51694</b>	<b>30138</b>	<b>20074</b>	<b>45932</b>	<b>15396</b>	<b>11165</b>	<b>17646</b>	<b>24473</b>	<b>15923</b>	<b>454809</b>
2009	Male	6658	25522	8717	1467	5174	7226	15515	18336	5846	8171	15074	27254	15660	11434	23281	7659	5769	9120	12395	8119	238236
	Female	5648	17556	8544	1354	4315	7308	15936	16361	6171	7935	14981	24709	14664	8742	22905	7835	5487	8634	12213	7916	219165
	<b>Total</b>	<b>12306</b>	<b>43078</b>	<b>17262</b>	<b>2821</b>	<b>9489</b>	<b>14533</b>	<b>31451</b>	<b>34698</b>	<b>12017</b>	<b>16105</b>	<b>30054</b>	<b>51964</b>	<b>30323</b>	<b>20176</b>	<b>46185</b>	<b>15494</b>	<b>11256</b>	<b>17754</b>	<b>24608</b>	<b>16035</b>	<b>457401</b>
2010	Male	6724	25726	8874	1480	5230	7312	15732	18520	5922	8269	15209	27527	15848	11536	23537	7758	5861	9229	12531	8233	240857
	Female	5648	17556	8544	1354	4315	7308	15936	16361	6171	7935	14981	24709	14664	8742	22905	7835	5487	8634	12213	7916	219165
	<b>Total</b>	<b>12373</b>	<b>43282</b>	<b>17419</b>	<b>2834</b>	<b>9546</b>	<b>14620</b>	<b>31669</b>	<b>34881</b>	<b>12093</b>	<b>16203</b>	<b>30190</b>	<b>52236</b>	<b>30511</b>	<b>20279</b>	<b>46441</b>	<b>15594</b>	<b>11348</b>	<b>17864</b>	<b>24744</b>	<b>16149</b>	<b>460022</b>
2011	Male	6792	25932	9034	1493	5288	7400	15953	18705	5999	8368	15346	27802	16038	11640	23796	7859	5955	9340	12669	8348	243506
	Female	5648	17556	8544	1354	4315	7308	15936	16361	6171	7935	14981	24709	14664	8742	22905	7835	5487	8634	12213	7916	219165
	<b>Total</b>	<b>12440</b>	<b>43488</b>	<b>17578</b>	<b>2847</b>	<b>9603</b>	<b>14708</b>	<b>31889</b>	<b>35066</b>	<b>12170</b>	<b>16303</b>	<b>30327</b>	<b>52511</b>	<b>30701</b>	<b>20383</b>	<b>46700</b>	<b>15694</b>	<b>11442</b>	<b>17974</b>	<b>24882</b>	<b>16264</b>	<b>462671</b>
2012	Male	6860	26139	9197	1507	5346	7489	16176	18892	6077	8468	15484	28080	16230	11745	24058	7961	6050	9452	12808	8465	246185
	Female	5648	17556	8544	1354	4315	7308	15936	16361	6171	7935	14981	24709	14664	8742	22905	7835	5487	8634	12213	7916	219165
	<b>Total</b>	<b>12508</b>	<b>43695</b>	<b>17741</b>	<b>2861</b>	<b>9662</b>	<b>14797</b>	<b>32112</b>	<b>35253</b>	<b>12248</b>	<b>16403</b>	<b>30465</b>	<b>52789</b>	<b>30894</b>	<b>20487</b>	<b>46962</b>	<b>15797</b>	<b>11537</b>	<b>18086</b>	<b>25021</b>	<b>16381</b>	<b>465350</b>
2013	Male	6928	26348	9362	1520	5405	7579	16403	19081	6156	8570	15624	28361	16425	11851	24322	8065	6147	9566	12949	8584	248893
	Female	5648	17556	8544	1354	4315	7308	15936	16361	6171	7935	14981	24709	14664	8742	22905	7835	5487	8634	12213	7916	219165
	<b>Total</b>	<b>12577</b>	<b>43905</b>	<b>17907</b>	<b>2874</b>	<b>9720</b>	<b>14887</b>	<b>32339</b>	<b>35442</b>	<b>12327</b>	<b>16505</b>	<b>30604</b>	<b>53070</b>	<b>31088</b>	<b>20593</b>	<b>47227</b>	<b>15900</b>	<b>11634</b>	<b>18200</b>	<b>25162</b>	<b>16499</b>	<b>468058</b>
Natural Increase	Male	1.0	0.8	1.8	0.9	1.1	1.2	1.4	1.0	1.3	1.2	0.9	1.0	1.2	0.9	1.1	1.3	1.6	1.2	1.1	1.4	1.1
	Female	0.8	1.6	1.6	1.4	0.9	1.3	1.5	1.0	0.8	1.3	1.2	1.3	1.5	1.1	1.3	1.7	1.1	1.3	1.3	1.5	1.3
	<b>Total</b>	<b>0.9</b>	<b>0.9</b>	<b>1.7</b>	<b>1.1</b>	<b>1.0</b>	<b>1.3</b>	<b>1.5</b>	<b>1.0</b>	<b>1.1</b>	<b>1.2</b>	<b>1.1</b>	<b>1.2</b>	<b>1.3</b>	<b>1.0</b>	<b>1.2</b>	<b>1.5</b>	<b>1.3</b>	<b>1.3</b>	<b>1.2</b>	<b>1.4</b>	<b>1.2</b>

### Age Specific Labour force participation rates by area of residence and age.

The table below depicts that considerably the persons aged 15-24 have participated in the production of goods and services. It also reveals that urban area has more labour force than the rural. The data also shows that the age is the main factor contributing to loss in the dynamism of labour market.

**Table 2 .1: Age Specific Labour force participation rates by area of residence and age, 2005**

Age	Urban		Rural		Total	
	Urban Male	Urban Female	Rural Male	Rural Female	Male	Female
15-19	13	15	10.5	11.3	11.2	12.5
20-24	16	13.3	10.2	8.7	12.1	10.1
25-29	11.5	10.6	8.4	7.8	9.4	8.6
30-34	8.1	7.3	6.4	6.1	7	6.5
35-39	7.2	6	5.9	5.8	6.3	5.8
40-44	4.8	3.8	4.8	5	4.8	4.6
45-49	3.8	3	4.8	4.8	4.5	4.2
50-54	2.6	1.9	4	4	3.5	3.4
55-59	1.5	1.3	3.2	3.1	2.6	2.5
60-64	1	1.2	2.8	2.8	2.3	2.3
Median	6	4.9	5.35	5.4	5.55	5.2

**Table 2 .2: Youth Labour Force Participation Rate(YLFPR) over the Years**

Year	Youth Labour Force			Youth Population (15-24)			YLFPR		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1998	21577	23048	44625	72295	63258	135553	29.8	36.4	<b>32.9</b>
1999	27696	32520	60216	73052	63921	136973	37.9	50.9	<b>44</b>
2001	23919	25636	49555	74588	65270	139858	32.1	39.3	<b>35.4</b>
2003	23800	31400	55200	76156	66646	142802	31.3	47.1	<b>38.7</b>
2004	18000	23800	41800	76953	67345	144298	23.4	35.3	<b>29</b>
2005	39428	25836	65264	77758	68052	145810	50.7	38	<b>44.8</b>
2006	17800	22000	39800	80493	70655	151148	22.1	31.1	<b>26.3</b>

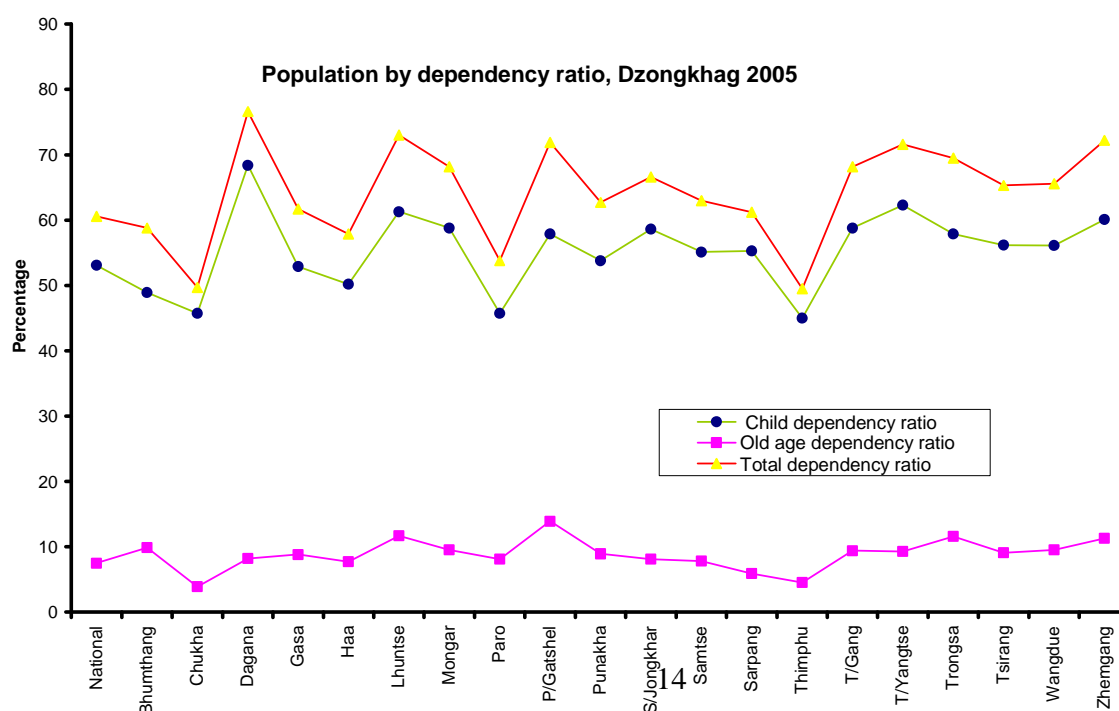
**Table 2 .3: Youth Population projection by Year and Gender**

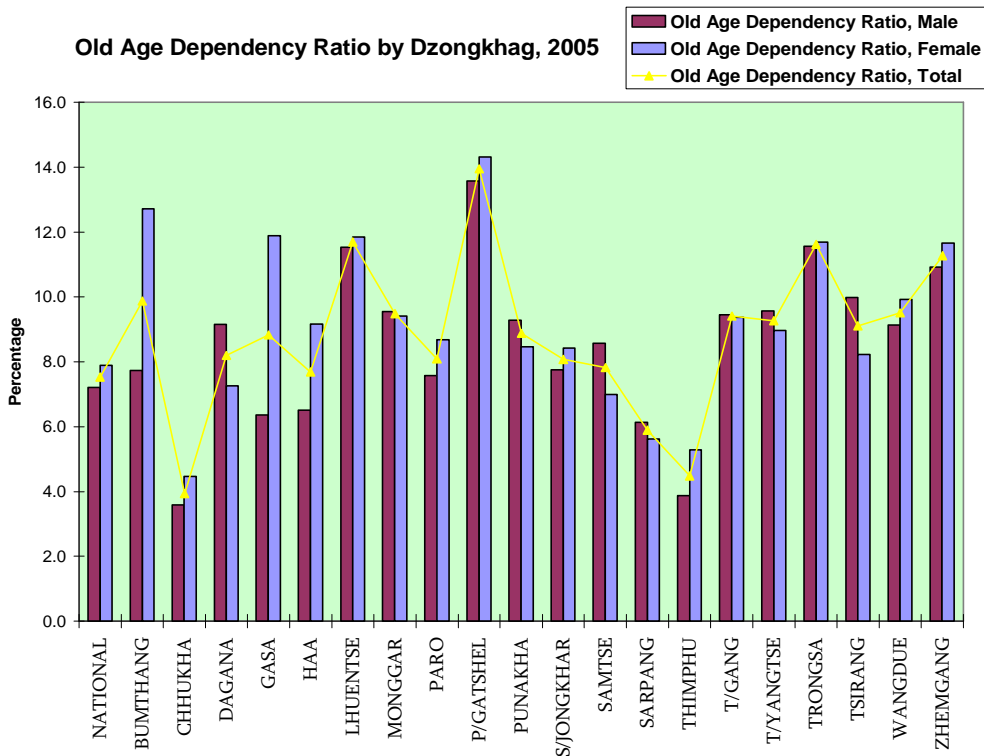
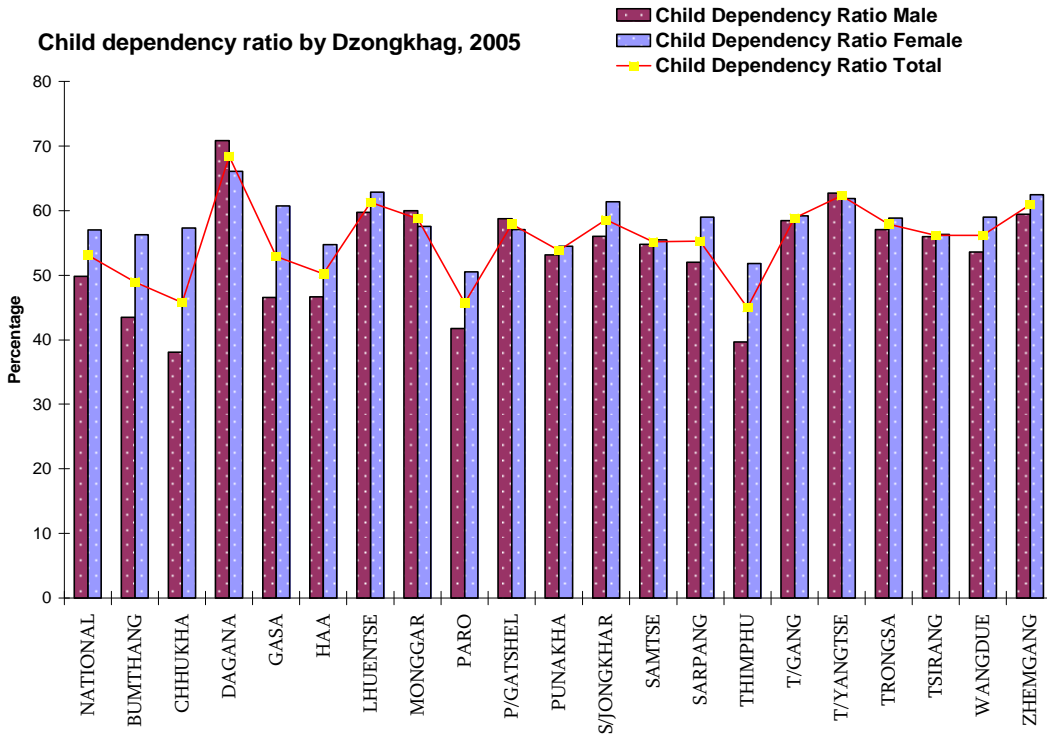
Year	Male	Female	Total
2005	77758	68052	145810
2006	80493	70655	151148
2007	83324	73357	156681
2008	86254	76163	162417
2009	89289	79076	168365
2010	92429	82101	174530
2010	95680	85241	180921
2012	99046	88502	187548

Source: PHCB2005

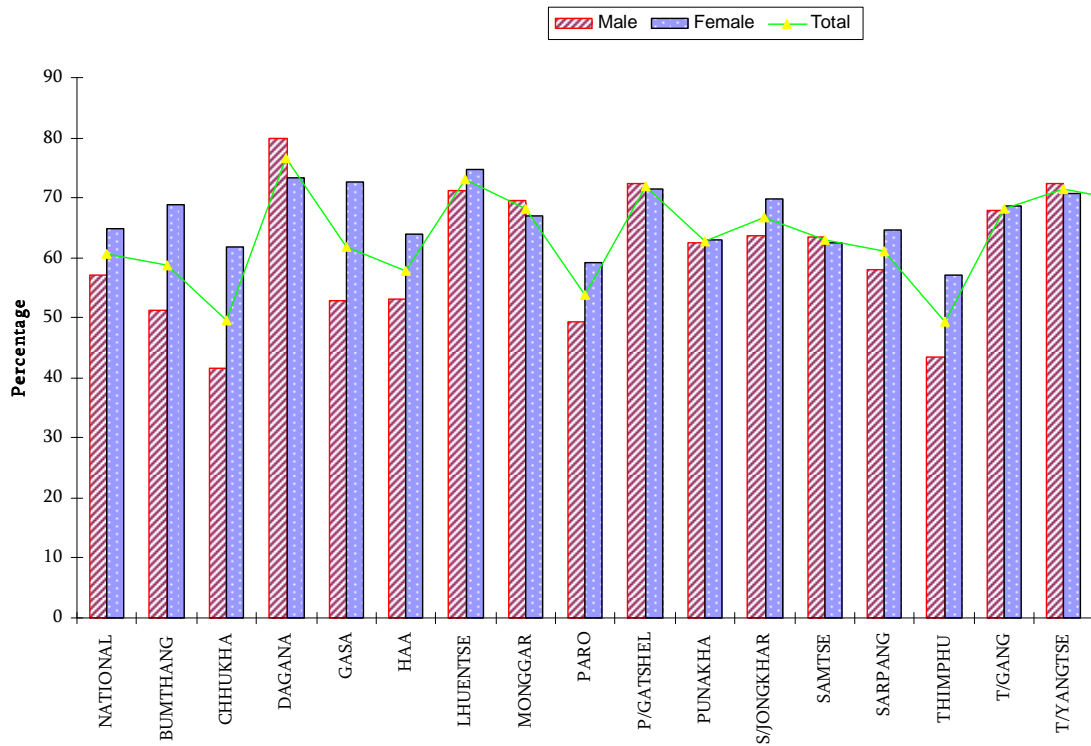
**Table 3: Population by Dependency Ratio by Sex & Dzongkhag, 2005**

Dzongkhag	Child Dependency Ratio			Old Age Dependency Ratio			Total Dependency Ratio		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
National	49.8	57	53.1	7.2	7.9	7.5	57	64.9	60.6
Bhumthang	43.4	56.3	48.9	7.7	12.7	9.9	51.2	69	58.8
Chukha	38.1	57.3	45.7	3.6	4.5	3.9	41.6	61.8	49.7
Dagana	70.9	66.1	68.4	9.1	7.3	8.2	80	73.3	76.6
Gasa	46.6	60.7	52.9	6.4	11.9	8.8	52.9	72.6	61.7
Haa	46.6	54.7	50.2	6.5	9.2	7.7	53.2	63.9	57.9
Lhuntse	59.8	62.9	61.3	11.5	11.8	11.7	71.3	74.7	73
Mongar	60	57.6	58.8	9.5	9.4	9.5	69.5	67	68.2
Paro	41.8	50.5	45.7	7.6	8.7	8.1	49.3	59.2	53.8
P/Gatshel	58.8	57.1	57.9	13.6	14.3	13.9	72.3	71.4	71.9
Punakha	53.2	54.5	53.8	9.3	8.5	8.9	62.4	63	62.7
S/Jongkhar	56	61.4	58.6	7.8	8.4	8.1	63.7	69.8	66.6
Samtse	54.8	55.5	55.1	8.6	7	7.8	63.4	62.5	63
Sarpang	52	59	55.3	6.1	5.6	5.9	58.1	64.6	61.2
Thimphu	39.7	51.8	45	3.9	5.3	4.5	43.6	57.1	49.5
T/Gang	58.5	59.2	58.8	9.4	9.4	9.4	67.9	68.6	68.2
T/Yangtse	62.7	61.9	62.3	9.6	9	9.3	72.3	70.8	71.6
Trongsa	57	58.8	57.9	11.6	11.7	11.6	68.6	70.5	69.5
Tsirang	56	56.3	56.2	10	8.2	9.1	65.9	64.6	65.3
Wangdue	53.6	59	56.1	9.1	9.9	9.5	62.7	68.9	65.6
Zhemgang	59.4	62.5	60.1	10.9	11.3	11.3	70.3	74.1	72.2
Median	54.8	57.6	56.1	9.1	9	8.9	63.4	68.6	65.3

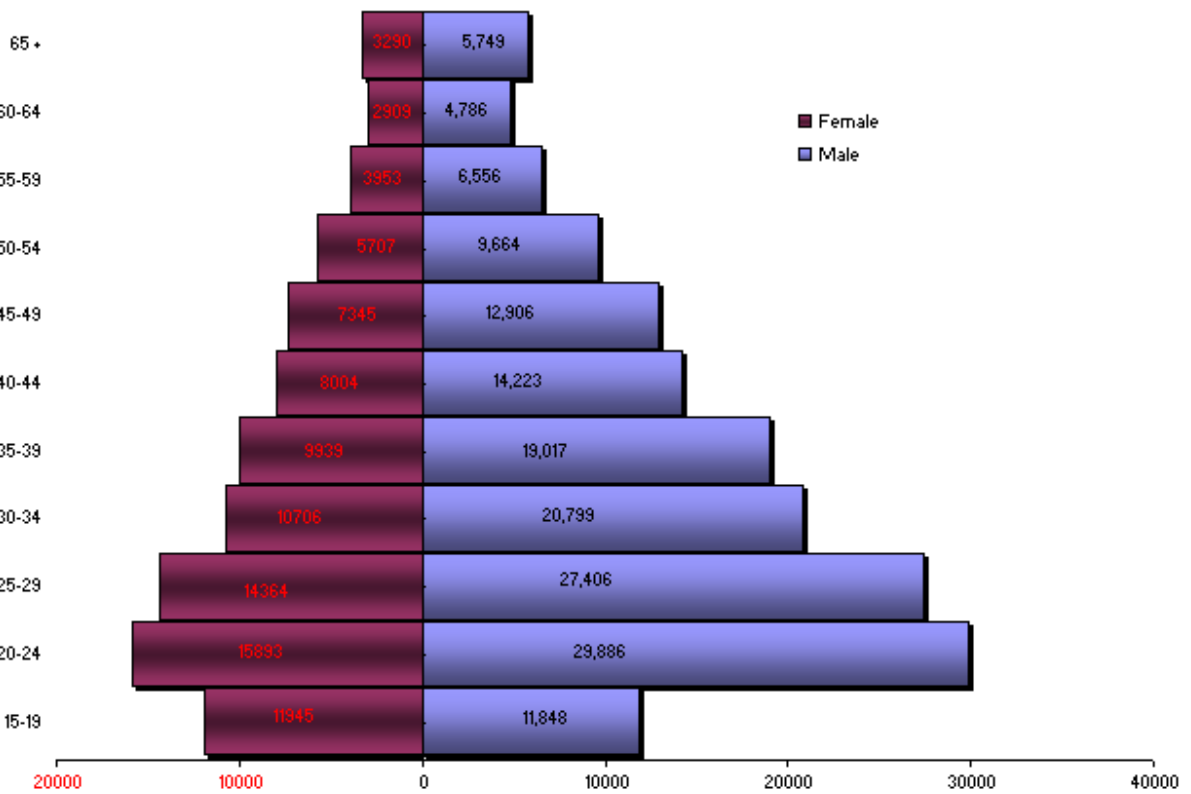




Total dependency ratio by Sex & Dzongkhag, 2005



Economically Active Population by Sex, 2005

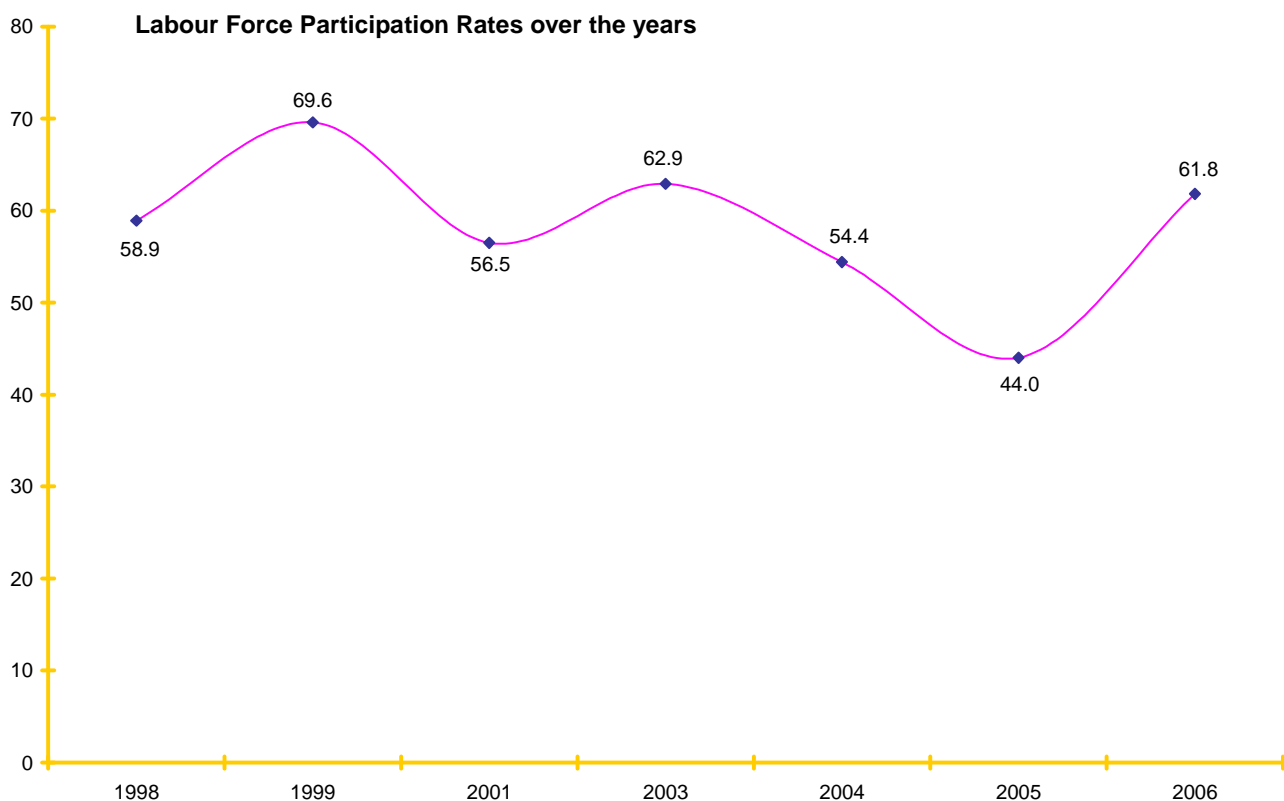




**Table 4: Labour Force by Age, Sex and Area of Residence, 2005**

Age	Urban			Rural			Both		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
15-19	13659	13969	27628	23845	23763	47608	37504	37732	75236
20-24	16884	12038	28922	23370	18282	41652	40254	30320	70574
25-29	12170	9596	21766	19216	16376	35592	31386	25972	57358
30-34	8527	6634	15161	14681	12964	27645	23208	19598	42806
35-39	7613	5448	13061	13511	12157	25668	21124	17605	38729
40-44	5068	3407	8475	10954	10471	21425	16022	13878	29900
45-49	3984	2680	6664	10911	10087	20998	14895	12767	27662
50-54	2769	1740	4509	9010	8528	17538	11779	10268	22047
55-59	1532	1168	2700	7232	6460	13692	8764	7628	16392
60-64	1084	1050	2134	6480	5960	12440	7564	7010	14574
Total	73290	57730	131020	139210	125048	264258	212500	182778	395278

Source: PHCB2005



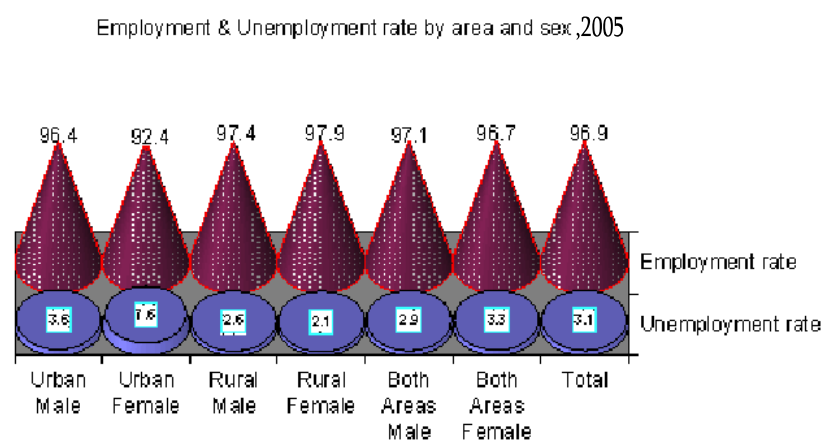
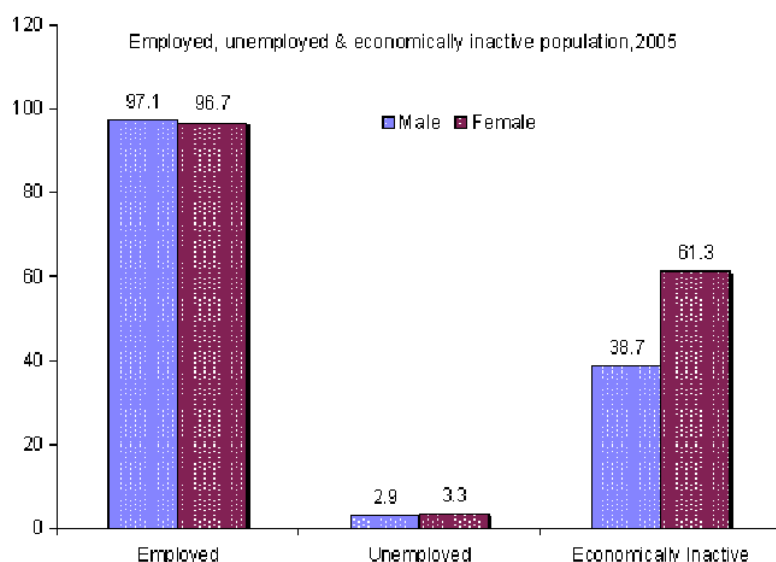


Table 5: Currently employed population by sector of Employment, Residence, Age, Group, Sex, Bhutan, 2005

	Urban			Rural			Both areas		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Agriculture	2,195	1,845	4,040	49,332	55,245	104,577	51,527	57,090	108,617
Mining/Quarrying	319	96	415	1,901	523	2,424	2,220	619	2,839
Manufacturing	1,935	769	2,704	1,320	858	2,178	3,255	1,627	4,882
Electricity/gas/water	1,766	275	2,041	1,951	124	2,075	3,717	399	4,116
Construction	10,841	673	11,514	17,455	1,918	19,373	28,296	2,591	30,887
Retail/Wholesale Trade	2,526	2,189	4,715	951	1,081	2,032	3,477	3,270	6,747
Hotel/Restaurant	1,391	1,228	2,619	755	643	1,398	2,146	1,871	4,017
Transport/Communication	4,806	356	5,162	2,603	292	2,895	7,409	648	8,057
Finance/Insurance	1,342	614	1,956	258	73	331	1,600	687	2,287
Public administration/security	9,366	1,220	10,586	6,647	261	6,908	16,013	1,481	17,494
Education	1,867	1,563	3,430	3,132	1,270	4,402	4,999	2,833	7,832
Health services	910	633	1,543	756	222	978	1,666	855	2,521
Others (Not classified above)	12,257	7,150	19,407	19,491	9,836	29,327	31,748	16,986	48,734
<b>Total</b>	<b>51,521</b>	<b>18,611</b>	<b>74,172</b>	<b>106,552</b>	<b>72,346</b>	<b>178,898</b>	<b>158,073</b>	<b>90,957</b>	<b>249,030</b>

Source: PHCB2005

**Table 6: Employed Population 15 years above by Occupation, Residence, Sex, Bhutan 2005**

Occupation	Urban			Rural			Both		
	Male	Female	Both	Male	Female	Both	Male	Female	Both
Executives	227	33	260	327	9	336	554	42	596
Program Managers, Genera Managers etc.	910	197	1,107	194	39	233	1,104	236	1,340
Physicist, chemists related professional	40	14	54	20	3	23	60	17	77
Mathematicians/statisticians	121	39	160	31	4	35	152	43	195
Computer professionals	425	554	979	107	103	210	532	657	1,189
Engineers, architects	1,375	146	1,521	673	46	719	2,048	192	2,240
Human & animal doctors	105	41	146	44	16	60	149	57	206
Health supervisors, assistant, nurses & midwife	437	458	895	337	163	500	774	621	1,395
Lecturers in college, institutes	144	42	186	41	14	55	185	56	241
School teachers	1,120	1,044	2,164	1,899	835	2,734	3,019	1,879	4,898
Bussiness professional	1,631	1,267	2,898	577	545	1,122	2,208	1,812	4,020
Thrimpoen, Thrimrap, Jab-mee	83	13	96	12	1	13	95	14	109
Library science, social science & information related	118	108	226	43	58	101	161	166	327
Chhampoen (dancer), Tseepem (singer) and sports professional	258	73	331	144	11	155	402	84	486
Lamas, Lopens, Rimpochhe	144	3	147	197	7	204	341	10	351
Assistant engineers, support engineers	383	53	436	163	17	180	546	70	616
Civil aviation	76	16	92	39	17	56	115	33	148
Safety quality inspectors	43	7	50	13	2	15	56	9	65
Livestock health professional	446	156	602	567	187	754	1,013	343	1,356
Dungtsho, Menpa	19	5	24	15	1	16	34	6	40
Teachers of Shedra, non-formal and others	65	45	110	277	157	434	342	202	544
Auditor	209	59	268	32	5	37	241	64	305
Bussiness agents, brokers	27	8	35	3	6	9	30	14	44
Administrative management	817	339	1,156	197	58	255	1,014	397	1,411
Customs, taxing related professionals	231	37	268	49	9	58	280	46	326
Security personnel	6,586	85	6,671	5,181	32	5,213	11,767	117	11,884
Gelong, gomchhen, anim	570	53	623	1,377	67	1,444	1,947	120	2,067
Clerks, keyboard operating clerks, secretaries	930	880	1,810	968	238	1,206	1,898	1,118	3,016
Financial accountant	863	489	1,352	452	116	568	1,315	605	1,920
Store keeper, ticket seller	365	121	486	126	28	154	491	149	640
Post mail delivery man	64	34	98	20	9	29	84	43	127
Cashiers, teller clerks	714	454	1,168	843	125	968	1,557	579	2,136
Receptionists	210	137	347	112	36	148	322	173	495
Tourist guides, ushers	323	41	364	147	12	159	470	53	523
Housekeeping, sweeper	486	537	1,023	231	236	467	717	773	1,490
Beautician, barber	63	81	144	13	6	19	76	87	163
Tseep (astrologer)	28	3	31	48	3	51	76	6	82
Watchman, guard	1,985	94	2,079	1,669	90	1,759	3,654	184	3,838
Fashion, models, characters	13	5	18	3	2	5	16	7	23
Retailer	1911	1975	3886	835	1112	1947	2746	3087	5833
Meat, cheese, butter seller	52	16	68	23	11	34	75	27	102

Market oriented crop & livestock raising	172	111	283	111	74	185	283	185	468
Logging contractor	400	77	477	684	60	744	1,084	137	1,221
Farming	1,487	1,712	3,199	50,085	56,290	106,375	51,572	58,002	109,574
Miners, stone cutters, carving	2,355	77	2,432	2,718	222	2,940	5,073	299	5,372
Goldsmith	152	3	155	76	3	79	228	6	234
Building construction finish-ups	31	2	33	23	4	27	54	6	60
Painter, Lhadrip	511	41	552	375	4	379	886	45	931
Welder	97	1	98	136	0	136	233	1	234
Blacksmiths	49	3	52	186	11	197	235	14	249
Mechanic	1,234	41	1,275	856	18	874	2,090	59	2,149
Electrical equipment fitters	994	89	1,083	860	39	899	1,854	128	1,982
Potters	24	1	25	38	2	40	62	3	65
Weavers, pap, bowl making	144	2,843	2,987	270	2,307	2,577	414	5,150	5,564
Food manufacturing workers	61	34	95	20	6	26	81	40	121
Carpenter	1,907	18	1,925	3,241	59	3,300	5,148	77	5,225
Tailor	349	53	402	86	11	97	435	64	499
Mining, mineral processing plant operators	101	3	104	119	38	157	220	41	261
Power production & related plant operator	41	8	49	55	1	56	96	9	105
Metals, chemical, other plant machine operator	110	15	125	100	8	108	210	23	233
Printing/binding, paper product worker	50	17	67	10	2	12	60	19	79
Plumber	292	6	298	370	19	389	662	25	687
Chain operator	285	18	303	382	9	391	667	27	694
Heavy machine, locomotive engine operator & worker	57	2	59	70	2	72	127	4	131
Motor vehicle drivers	4,512	33	4,545	2,172	18	2,190	6,684	51	6,735
Port, ship related worker	0	1	1	8	0	8	8	1	9
Contractors excluding logging	471	31	502	448	22	470	919	53	972
Pavement vendors (doma, cloth etc.)	73	88	161	14	41	55	87	129	216
Cobbling & cleaning services	34	0	34	9	4	13	43	4	47
Household chores, maid, baby sitter	1,370	1,297	2,667	1,284	381	1,665	2,654	1,678	4,332
Messenger, porter, & related worker	181	69	250	144	17	161	325	86	411
Garbage collectors	13	2	15	4	2	6	17	4	21
Cattle herder	78	28	106	1,982	1,013	2,995	2,060	1,041	3,101
Road laborer	5,906	666	6,572	12,993	2,843	15,836	18,899	3,509	22,408
Sawmill laborer	210	68	278	368	41	409	578	109	687
Transport laborer, freight handler	74	6	80	55	4	59	129	10	139
No skills	58	67	125	130	87	217	188	154	342
Occupation not stated	512	271	783	700	273	973	1,212	544	1,756
Occupation not classified	2,509	1,047	3,556	7,321	3,975	11,296	9,830	5,022	14,852
<b>ALL OCCUPATION</b>	<b>51,521</b>	<b>18,611</b>	<b>70,132</b>	<b>106,552</b>	<b>72,346</b>	<b>178,898</b>	<b>158,073</b>	<b>90,957</b>	<b>249,030</b>

Source: PHCB2005

## Section 2| Employment

This section reveals the employment in various sectors in the kingdom. The data in this section are mostly from the Labour Force Surveys and the Population & Housing Census of Bhutan 2005.

The Labour Force Survey 2004 shows that there were 0.25 million people employed with an increment of 17.9% compared to the result of LFS 2003. The highest employment (47.9%) was reported in the Skilled Agricultural & Fishery Workers sector of the kingdom (Based on Career & Occupational Dictionary of Bhutan in light of ISCO-88 framework of occupational category).

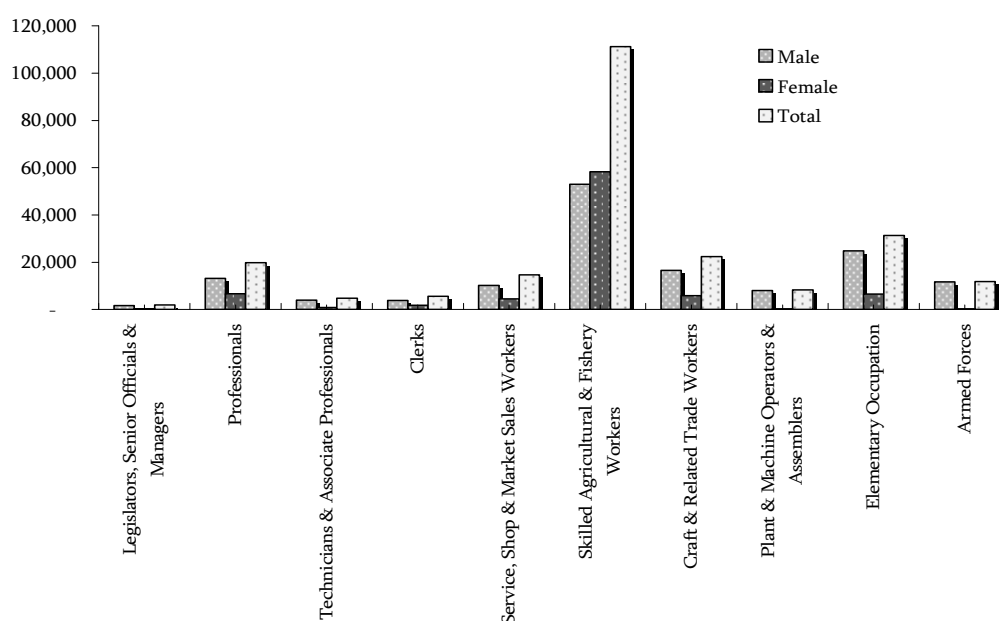
**Table 7.1: Number Employed and Employment Rate by Year & Gender**

Year	Number Employed			Employment Rate		Total
	Male	Female	Total	Male	Female	
1998	104343	80827	185170	98.6	98.6	98.6
1999	121089	98508	219597	98.8	98.4	98.6
2001	149906	77775	227681	98.7	96.8	98.1
2003	126000	97200	223200	98.4	98.0	98.2
2004	124400	86700	211100	98.1	96.7	97.5
2005	158073	90957	249030	96.4	92.4	95.3
2006	125700	96000	221700	97.4	96.2	96.8

**Table 7.2: Currently employed population by occupational group**

Main Occupational Category	Male	Female	Total
Legislators, Senior Officials & Managers	1658	278	1936
Professionals	13134	6624	19758
Technicians & Associate Professionals	3928	921	4849
Clerks	3777	1870	5647
Service, Shop & Market Sales Workers	10207	4486	14693
Skilled Agricultural & Fishery Workers	52939	58324	111263
Craft & Related Trade Workers	16569	5872	22441
Plant & Machine Operators & Assemblers	8072	175	8247
Elementary Occupation	24792	6570	31362
Armed Forces	11767	117	11884

Current Employment by Major Occupational group

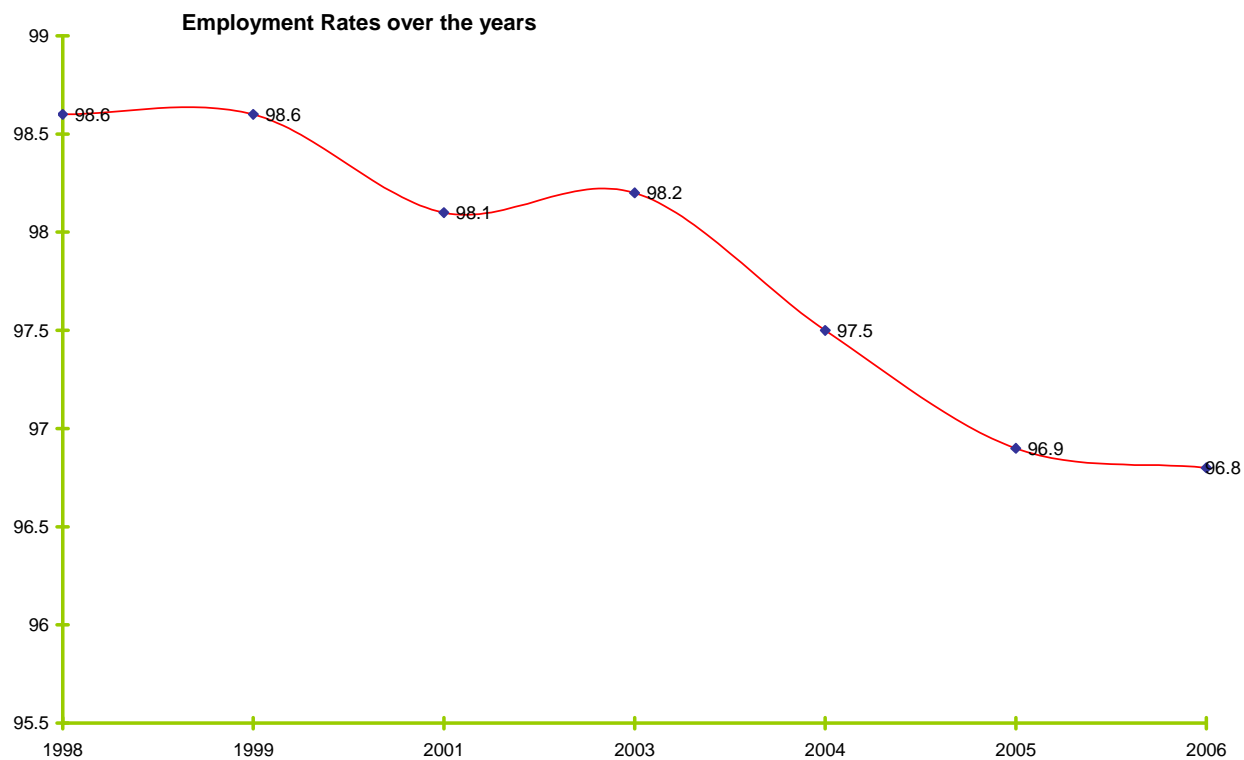


The above trend shows that there are 110 women involved in Skilled Agricultural & Fishery Works per every 100 men.

**Table 7.3: Employment Status, 2005**

Sector of employment	EMPLOYMENT STATUS														
	Employer			Paid employee			Own-account worker			Unpaid family worker			Others		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Total	2626	634	3260	82070	16287	98357	27885	21667	49552	33731	46879	80610	11761	5490	17251
Agriculture	169	81	250	3418	1214	4632	17658	14220	31878	29890	41275	71165	392	300	692
Mining/Quarring	37	7	44	1951	526	2477	84	38	122	33	38	71	115	10	125
Manufacturing	98	29	127	2903	592	3495	198	561	759	44	430	474	12	15	27
Electricity/gas/water	94	6	100	3301	338	3639	173	24	197	114	27	141	35	4	39
Construction	481	36	517	24801	2037	26828	1794	171	1965	772	269	1041	448	78	526
Retail/Wholesale Trade	187	50	237	824	369	1193	2167	2326	4493	261	487	748	38	38	76
Hotel/Restaurant	104	87	191	1381	796	2177	545	772	1317	98	207	305	18	9	27
Transport/Communication	192	21	213	5830	569	6399	1174	37	1211	157	20	177	56	1	57
Finance/Insurance	40	21	61	1528	642	2170	21	9	30	4	12	16	7	3	10
Public administration/security	337	30	367	15463	1408	16871	95	15	108	50	23	73	68	7	75
Education	186	83	269	4553	2621	7174	91	38	129	50	45	95	119	46	165
Health Services	69	24	93	1556	815	2371	20	4	24	9	6	15	12	6	18
Others	632	159	791	14561	4360	18921	3856	3454	7319	2249	4040	6289	10441	4973	15414

Source: Population & Housing Census 2005.



Source: Labour Force Surveys & PHCB2005

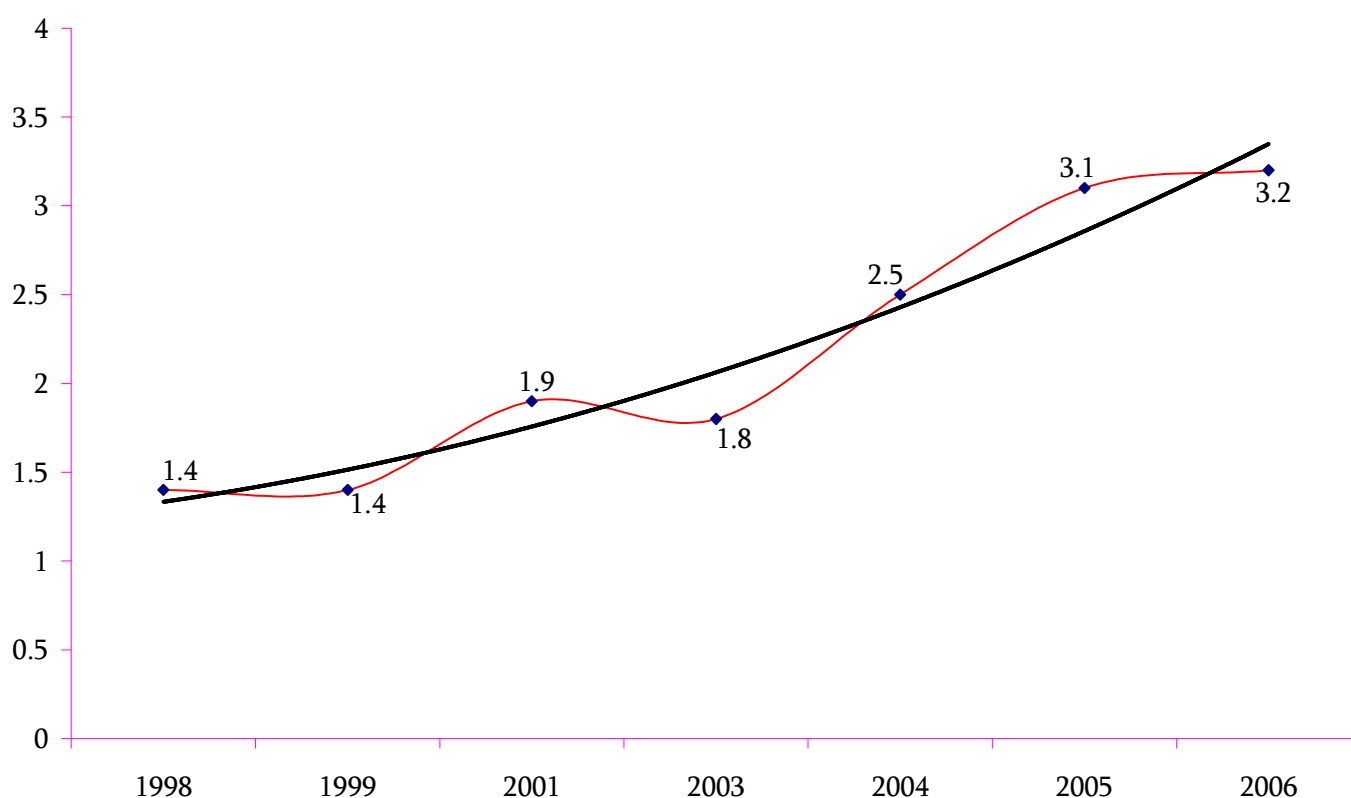
### Section 3| Unemployment

Section three focuses on the unemployment and its nature over the years. The five Labour Force Surveys carried out over the years show the median unemployment rate of 1.9%. There is an erratic growth in the unemployment rates from 1998 to 2005. The highest unemployment rate (3.2) was reported in the Labour Force Survey 2006, while the lowest was reported in 1998 & 1999 with 1.4.

**Table 8 .1: Number Unemployed and Unemployment Rate by Year & Gender**

Year	Number Unemployed			Unemployment Rate		
	Male	Female	Total	Male	Female	Total
1998	1288	947	2235	1.4	1.4	1.4
1999	1288	1263	2551	1.2	1.6	1.4
2001	1972	2550	4522	1.3	3.2	1.9
2003	2000	2000	4000	1.6	2.0	1.8
2004	2400	3000	5400	1.9	3.3	2.5
2005	4767	3098	7865	2.9	3.3	3.1
2006	3400	3800	7200	2.6	3.8	3.2

Unemployment Rates over the years



**Table 8 .2: Distribution of Unemployed Persons by the Area of Residence & Gender- (PHCB 2005)**

Area of Residence	Male	Female	Total	Rate of Unemployment	
				Male	Female
Urban	1909	1541	3450	3.6	7.6
Rural	2858	1557	4415	2.6	2.1
Both	4767	3098	7865	2.9	3.3

Number Unemployed by sex and area of residence, 2005

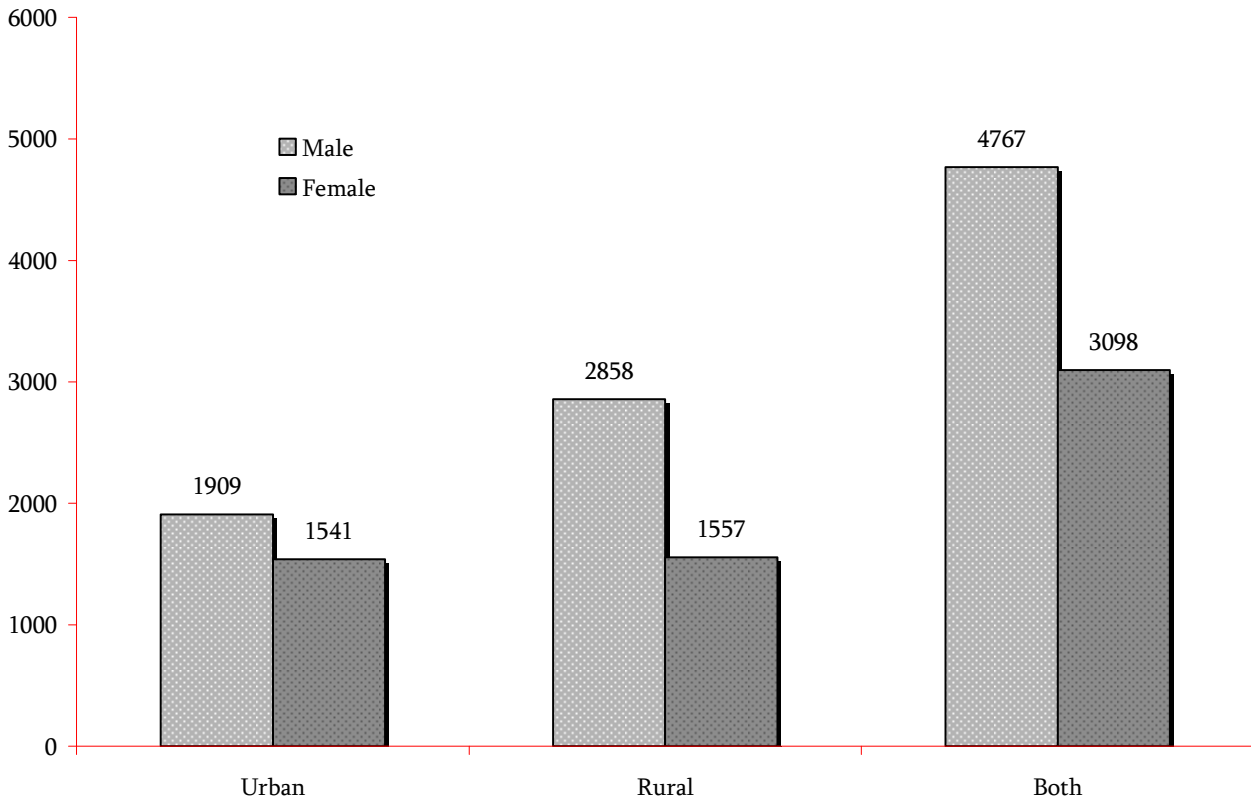


Table 8.3: Unemployed Persons by age and by area of residence (Both areas), 2005

Age	Male	Female	Total
15-19	740	710	1450
20-24	1566	1292	2858
25-29	764	397	1161
30-34	386	174	560
35-39	326	154	480
40-44	251	97	348
45-49	257	108	365
50-54	211	70	281
55-59	130	46	176
60-64	67	30	97
65+	69	20	89



The table shows that there is more number of unemployed males (aged 15 – 64) in the urban area than females. It also reveals the less number of dependencies (aged 64+) relatively.

**Table 8.4: Unemployed persons by Age, Sex and by Area of residence (Rural), 2005**

Age	Male	Female	Total
15-19	469	381	850
20-24	667	461	1128
25-29	396	199	595
30-34	283	110	393
35-39	230	93	323
40-44	190	77	267
45-49	210	92	302
50-54	175	60	235
55-59	118	41	159
60-64	59	27	86
65+	61	16	77

The above table shows that there are more unemployed males in the rural areas and concurrently more number of dependencies (aged 64+).

**Table 8.5: Unemployed persons by Age, Sex and by Area or residence (Urban), 2005**

Age	Male	Female	Total
15-19	271	329	600
20-24	899	831	1730
25-29	368	198	566
30-34	103	64	167
35-39	96	61	157
40-44	61	20	81
45-49	47	16	63
50-54	36	10	46
55-59	12	5	17
60-64	8	3	11
65+	8	4	12

#### Section 4| Demand for Labour

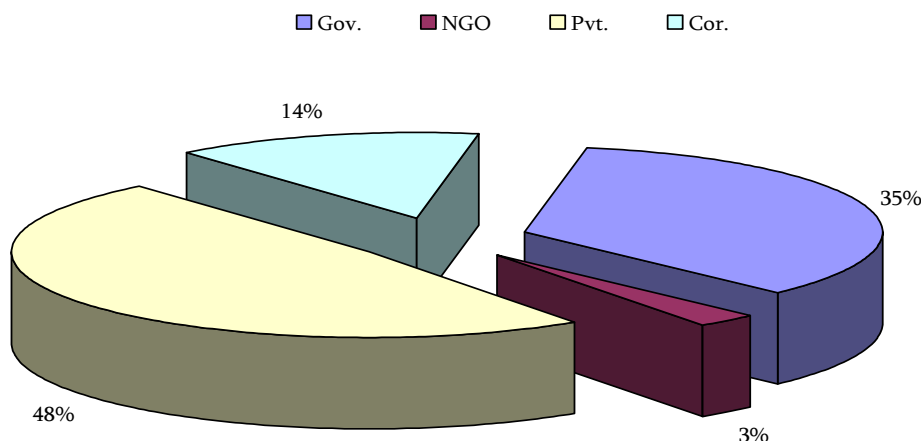
This section outlines the demand for the Bhutanese labour. The data pertaining to the demand for labour is collected from the advertisements given in newspapers and the Bhutan Broadcasting Service (BSS) from the period 2002 to 2007. Rest of the information on demand for labour has been computed from the Memorandum of Understandings (MoUs) signed with the private companies & the corporations.

This section also reveals the higher demand occupations and the demand for labour with an educational attainment and experience requirements.

**Table 9 .1: Job Advertisements by Year & Sectors of Employment**

Job Provider	2002-2003	2003-2004	2004-2005	2006-2007
Government	1177	1408	1036	265
Corporations	316	236	113	21
Private	96	201	320	370
NGOs/UN	6	20	16	106
Total	1595	1865	1485	762

Job Advertisement by sector of employment, 2007



T

The number of job advertisements requiring the experiences has become the pre-requisite with most of the private sector job demands. There were 52 advertisements in 2005 demanding previous job experiences. The trend seems to be the same since the 1st half of 2006's advertisements too shows 50% of 2005's demands.

**Table 9 .2: Job Advertisements with Experience Requirement**

Experience Requirements	2005	1st Half 2006
Required	52	22
Not specified	294	460
Total	346	482

**Table 9.3: Over all Vacancy Scenario by Educational Attainment**

		Qualification					
		Degree	Diploma	Class XII	Certificate	Class X and Below	Total
2002-2003	Government	250	173	29	392	333	1177
	Corporate	117	17	14	20	148	316
	Private	18	0	11	14	53	96
	International Agency	4	0	0	1	1	6
	Sub-total	389	190	54	427	535	1595
2003-2004	Government	604	58	38	498	210	1408
	Corporate	63	5	20	25	123	236
	Private	33	31	19	34	84	201
	International Agency	17	1	0	0	2	20
	Sub-total	717	95	77	557	419	1865
2004-2005	Government	522	125	25	168	196	1036
	Corporate	63	0	11	2	37	113
	Private	55	23	15	40	187	320
	International Agency	11	0	2	0	3	16
	Sub-total	651	148	53	210	423	1485
	Grand Total	1757	433	184	1194	1377	4945

Out of 4945 job demands between 2002-2005 inclusive of qualification spanning from Class X to undergraduate level, 2002 – 2003 reveals the highest demand for the degree level students’ job portal followed by Class X & below.

**Table 9.4: Ranking of Demand For local Jobs over the Years, (2002-2005)**

Legislators, Senior Officials & Managers	Job/Occupation	Total Demanded	Rank
	Manager - Project	21	1
Manager - Sales	13	2	
Manager - Finance	11	3	
Manager - Production	9	4	
Manager - Marketing	5	5	
Legislators	1	6	
Professionals	Job/Occupation	Total Demanded	Rank
	Teacher	634	1
	Nurse/Doctors/Medical Personnel	447	2
	Accountant	39	3
	Engineer - Electrical	39	4
	Editor/Translator	37	5
	Engineer - Civil	33	6
	Chef	30	7
	Computer Programmer	28	8
	Engineer - MEchanical	18	9
	Engineer - Others	17	10
	Chemist	12	11
	Librarian	9	12
	Business Analyst/Surveyor/Cons.	5	13
	Actuary and Economist	2	14
	Painter	1	15

Technicians & Associate Professionals	Job/Occupation	Total Demanded	Rank
	General Officer	117	1
	Sales Executives	22	2
	Computer Hardware Technician	13	3
	Dancer	8	4
	Designer	6	5
	Tour Guide	3	6
	Burner	2	7
Gym Trainer	2	8	

Clerks	Job/Occupation	Total Demanded	Rank
	Office Secretary	63	1
	Receptionist	20	2
	Accounts Assistants	17	3
	Store Keeper	13	4
	Clerk Accounts	4	5

Crafts & Related Trade Workers	Job/Occupation	Total Demanded	Rank
	Mechanics	21	1
	Electrician	12	2
	Welder	7	3
	Forman	4	4
	Blaster	3	5

Elementary Works	Job/Occupation	Total Demanded	Rank
	Fire Man	36	1
	Domestic Helper	35	2
	Messenger	18	3
Dish Washer	12	4	

2002 - 2003		
Service, Shops & Market Sales Workers	Security Guard	98
Technicians & Associate Professionals	General Officer	37
Plant & machine Operators & Assemblers	General Driver	18
Professionals	Accountant	14
Clerks	Office Secretary	14
Elementary Works	Domestic Helper	9
Legislators, Senior Officials & Managers	Manager - Sales	7
Crafts & Related Trade Workers	Mechanics	6

2003 - 2004			
Service, Shops & Market Sales Workers	Security Guard	61	
Technicians & Associate Professionals	General Officer	44	
Clerks	Office Secretary	27	
Professionals	Engineer - Civil	25	
Legislators, Senior Officials & Managers		11	
Plant & machine Operators & Assemblers	General Driver	10	
Elementary Works	Messenger	9	
Crafts & Related Trade Workers	Mechanics	5	

2004-2005		
Technicians & Associate Professionals	General Officer	36
Service, Shops & Market Sales Workers	Steward	30
Elementary Works	Fire Man	30
Clerks	Office Secretary	22
Professionals	Engineer - Electrical	21
Plant & machine Operators & Assemblers	Driver - Heavy Truck	20
Crafts & Related Trade Workers	Mechanics	10
Legislators, Senior Officials & Managers	Manager - Project	6

Service, Shops & Market Sales Workers	Job/Occupation	Total Demanded	Rank
	Security Guard	185	1
	Steward	51	2
	Cook	50	3
	Sales Assistant	31	4
	Supervisor	27	5
	Beautician	4	6
	Business Agent	1	7

Plant & machine Operators & Assemblers	Job/Occupation	Total Demanded	Rank
	Driver - Heavy Truck	34	1
	Operator	28	2
	General Driver	27	3
	Driver - Private Car/Light Vehicle	20	4

Source: Employment Services Division

Professionals	Job/Occupation	Total Demanded	Rank
	Engineer - Civil	25	1
	Accountant	19	2
	Teacher	12	3
	Computer Programmer	10	4
	Engineer - Electrical	7	5
	Chef	5	6
	Engineer - Others	4	7
	Engineer - Mechanical	3	8
	Librarian	2	9
	Business Analyst/Surveyor/Consultancy	1	10
	Nurse/Doctors/Medical Personnel	1	11

Technicians & Associate Professionals	Job/Occupation	Total Demanded	Rank
	General Officer	44	1
	Sales Executives	10	2
	Computer Hardware Technician	5	3
	Designer	4	4
	Gym Trainer	2	5
	Burner	1	6

Clerks	Job/Occupation	Total Demanded	Rank
	Office Secretary	27	1
	Receptionist	7	2
	Accounts Assistants	3	3
	Clerk Accounts	2	4
	Store Keeper	2	5

Service, Shops & Market Sales Workers	Job/Occupation	Total Demanded	Rank
	Security Guard	61	1
	Cook	22	2
	Steward	15	3
	Supervisor	10	4
	Sales Assistant	5	5

Plant & machine operators & assemblers	Job/Occupation	Total Demanded	Rank
	General Driver	10	1
	Driver - Private Car/Light Vehicle	9	2
	Operator	9	3
	Driver - Heavy Truck	4	4

Crafts & Related Trade Workers	Job/Occupation	Total Demanded	Rank
	Mechanics	5	1
	Electrician	3	2
	Welder	3	3
	Blaster	2	4
	Forman	2	5

Elementary Works	Job/Occupation	Total Demanded	Rank
	Messenger	9	1
	Domestic Helper	8	2
	Dish Washers	3	3

2004 -2005 Higher Demand Jobs by the Occupational Group			
Legislators, Senior Officials & Managers	Job/Occupation	Total Demanded	Rank
	Manager - Project	6	1
	Manager - Production	3	2
	Manager - Sales	3	3
	Manager - Finance	2	4
Service, Shops & Market Sales Workers	Job/Occupation	Total Demanded	Rank
	Steward	30	1
	Cook	26	2
	Security Guard	26	3
	Sales Assistant	11	4
	Supervisor	7	5
	Beautician	4	6

Professionals	Job/Occupation	Total Demanded	Rank
	Engineer - Electrical	21	1
	Engineer - Civil	16	2
	Accountant	16	3
	Teacher	13	4
	Engineer - Mechanical	11	5
	Computer Programmer	10	6
	Engineer - Others	9	7
	Chemist	8	8
	Chef	4	9
	Business Analyst/Surveyor/Consultancy	2	10
	Actuary & Economists	1	11
	Librarian	1	12
	Nurse/Doctors/Medical Personnel	1	13
Painter	1	14	

Plant & machine Operators & Assemblers	Job/Occupation	Total Demanded	Rank
	Driver - Heavy Truck	20	1
	Operator	11	2
	General Driver	9	3
	Driver - Private Car/Light Vehicle	7	4

Crafts & Related Trade Workers	Job/Occupation	Total Demanded	Rank
	Mechanics	10	1
	Electrician	7	2
	Carpenter	4	3
	Welder	3	4
Blaster	1	5	

Technicians & Associate Professionals	Job/Occupation	Total Demanded	Rank
	General Officer	36	1
	Dancer	8	2
	Sales Executives	5	3
	Computer Hardware Technician	4	4
	Tour Guide	3	5
	Designer	2	6
	Burner	1	7

Elementary Works	Job/Occupation	Total Demanded	Rank
	Fire Man	30	1
	Domestic Helper	18	2
	Dish Washers	8	3

Clerks	Job/Occupation	Total Demanded	Rank
	Office Secretary	22	1
	Accounts Assistants	10	2
	Reptionist	10	3
	Clerk Accounts	2	4
	Store Keeper	2	5

Crafts & Related Trade Workers	Job/Occupation	Total Demanded	Rank
	Mechanics	5	1
	Electrician	3	2
	Welder	3	3
	Blaster	2	4
	Forman	2	5

Elementary Works	Job/Occupation	Total Demanded	Rank
	Messenger	9	1
	Domestic Helper	8	2
	Dish Washers	3	3

Professionals	Job/Occupation	Total Demanded	Rank
	Engineer - Civil	25	1
	Accountant	19	2
	Teacher	12	3
	Computer Programmer	10	4
	Engineer - Electrical	7	5
	Chef	5	6
	Engineer - Others	4	7
	Engineer - Mechanical	3	8
	Librarian	2	9
	Business	1	10
	Analyst/Surveyor/Consultancy Nurse/Doctors/Medical Personnel	1	11

Service, Shops & Market Sales Workers	Job/Occupation	Total Demanded	Rank
	Security Guard	61	1
	Cook	22	2
	Steward	15	3
	Supervisor	10	4
	Sales Assistant	5	5

Technicians & Associate Professionals	Job/Occupation	Total Demanded	Rank
	General Officer	44	1
	Sales Executives	10	2
	Computer Hardware Technician	5	3
	Designer	4	4
	Gym Trainer	2	5
	Burner	1	6

Clerks	Job/Occupation	Total Demanded	Rank
	Office Secretary	27	1
	Receptionist	7	2
	Accounts Assistants	3	3
	Clerk Accounts	2	4
	Store Keeper	2	5

Plant & machine operators & assemblers	Job/Occupation	Total Demanded	Rank
	General Driver	10	1
	Driver - Private Car/Light Vehicle Operator	9	2
		9	3
	Driver - Heavy Truck	4	4



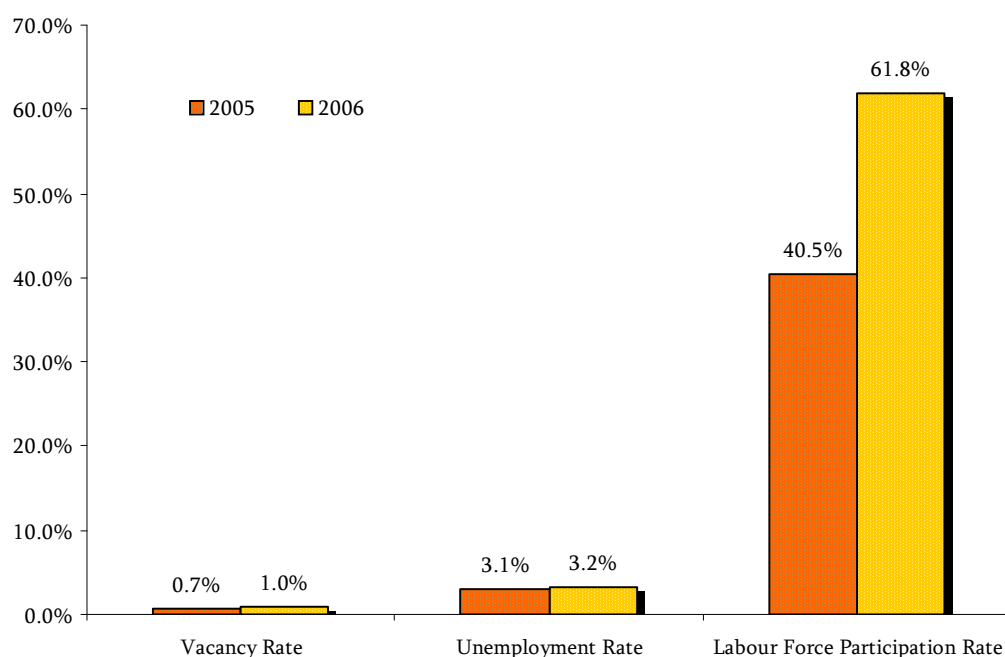
**Table 10 .1: Future requirements of skills in companies in operation,(2006-2008)**

Major Occupation	National	Non-National	Total
Legislators, Senior officials & Managers	70	55	125
Professionals	94	70	164
Technicians & Associate Professionals	88	61	149
Clerks	87	4	91
Service, Shop & Market Sales Workers	172	12	184
Craft & Related Trade Workers	151	51	202
Plant & Machine Operators & Assemblers	148	86	234
Elementary Occupations	256	28	284
<b>Total</b>	<b>1066</b>	<b>367</b>	<b>1433</b>

**Table 10 .2: Future requirements of skills in companies not in operation, (2006-2008)**

Major Occupation	National	Non-National	Total
Legislators, Senior officials & Managers	114	69	183
Professionals	75	76	151
Technicians & Associate Professionals	356	203	559
Clerks	101	4	105
Service, Shop & Market Sales Workers	214	4	218
Craft & Related Trade Workers	31	13	44
Plant & Machine Operators & Assemblers	363	206	569
Elementary Occupations	444	140	584
<b>Total</b>	<b>1698</b>	<b>715</b>	<b>2413</b>

Labour Market Efficiency Indicators



**Table 10 .3: Existing Foreign Workers**

<b>Existing Foreign Workers</b>	
Occupation	Total in the Country
Account Officer	6
Accountant	11
Accounts Manager	4
Acupuncturist	1
Advisor	5
Aircraft Pilot	2
Analyst	1
Architect	7
Assistant	5
Assistant Electrical Engineer	1
Asst. Engineer	5
Assistant Executive Engineer	2
Assistant GR. I	1
Assistant GR. III	1
Assistant GR. IV	1
Asstt. Exe. Engineer	2
Asstt. General Manager	1
Auto Mechanic	22
Baker	1
Band Saw Machine Operator	1
Bar Binder	3
Barber	12
Barman	11
Beautician	1
Blaster	18
Boatman	2
Brew Master	1
Building & Ground Manager	1
Building Painter	20
Burner	2
Care Taker	1
Carpenter	1802
Cement Products Machine Operator	5
CFO	1
Chairman/MD	1
Chamber Operator	2
Chartered Accountant	2
Checker	4
Chef	41
Chemist	9
Chief Accountant	4
Chief Engineer	2
Chief Executive	1
Chief Finance Officer	1
Civil Engineer	80

<b>Existing Foreign Workers</b>	
Occupation	Total in the Country
Co-Ordinator	1
CO2 OPERATOR	1
Cobbler	10
Commercial Assistant	1
Commercial Manager	2
Computer Analyst	8
Concrete Worker	1962
Construction Supervisor	1
Consultant	23
Co-ordinator	4
Computer Engineer	1
Demi Chef	1
Denter	7
Dhobi	25
Director	2
Director (Technical)	1
Doctor	22
Dozer Operator	1
Draughtman	2
Drill Mechanic Operator	1
Driller	2
Drilling Foreman	2
Driver	10
Dy. Finance Manager	1
Dy. General Manager	4
Earth Moving Plant Operator	1
Education Project Officer	1
Electrician	177
Electrical Engineer	59
Elcetrical Fitter	1
Electrical Foreman	5
Electronic	1
Elementary Assembler	1
Elephant Driver	13
Executive Chef	1
Executive Manager	1
Fabricator	48
Field Engineer	3
Finance Manager	27
Financial Advisor	1
Financial Controller	2
Fitter	47
Floor Layer	3
Food Technologist	1
Foreman	7

**Existing Foreign Workers**

Occupation	Total in the Country
Front Desk Manager	1
Furnance Operator	3
Gardner	1
Gas Welder	3
Gauge Reader	1
Gender Advisor	1
General Manager	10
Glass Worker	4
Graphic Designer	2
Handy Boy	2
Cook	8
Heavy Vehicle Driver	2
Helper	70
Hot Melter Worker	3
House Keeper	3
Instrument Technician	2
IT Professional	8
JCV Operator	1
Joint General Manager	1
Jr. Asst. Manager	1
Jr. ENT Specialist	1
Lab Technician	1
Labour	72
Laision Officer	1
Lathe Machine Operator	3
Laundry Worker	2
Lecturer	27
Light Vehicle Driver	4
Line Men	1
Literary Editor	1
Loader Operator	2
Loading Unloading and Packijng	25
Mechanical Engineer	10
Machine Tool Operator	31
Maintenance Engineer	2
Maintenance Manager	1
Manager	30
Mason	3578
Massage Instructor	1
Mechanic	78
Mechanical Fitter	1
Mechanical Foreman	5
Mechanical Supervisor	1
Medical Officer	1
Metal Worker	14

**Existing Foreign Workers**

Occupation	Total in the Country
Miller	2
Mine Worker	1041
Motor Vehicle Mechanic	1
Mould Helper	11
Music Arranger	4
Office Assistant	1
Office Superintendent	3
Officer GR. II	1
Operations Officer	1
Operator	114
Packing Plant Operator	16
Painter	77
Pharmacognosist	1
Physical Education Instructor	2
Physiotherapist	1
Plant Engineer	1
Plant Manager	1
Plant Operator	21
Plant Supervisor	2
Plant Worker	2
Plasterer	48
Plate Setter	28
Plumber	202
Pole Post Burner	1
Printing Machine Operator	1
Process Worker	101
Production Manager	7
Production Supervisor	1
Professor	1
Programme Officer	2
Project Engineer	4
Project Manager	9
Project Officer	1
Primary Education Teacher	1
Purchase Officer	1
Quality Control Manager	2
Raft Guide	2
Recreation Manager	1
Resident Engineer	1
Resident Representative	1
Rigger	39
Rod Binder	365
Roller Operator	1
Roofer	15
RPD Nomder	1

**Existing Foreign Workers**

Occupation	Total in the Country
Runner	1
Salesman	1
Sanding Machine Operator	4
Sawer	43
Secondary Education Teacher	34
Security Guard	1
Semi Skilled	3
Senior Foreman	3
Senior Manager	2
Senior Programme Officer	2
Senior Technician	1
Senior Training Instructor	3
Sheer Tester	1
Sheet Metal Worker	14
Shift Brewers	3
Shift Foreman	1
Shift Supervisor	1
Shipping/Store Executive	1
Shrink Wrap Operator	1
Site Engineer	5
Site Supervisor	5
Skilled Worker	6693
Software Engineer	11
Sous Chef	1
Spa Senior Supervisor	1
Spa Therapist and Trainer	3
Specialist	3
Sr. General Manager	4
Sr. Manager	2
Sr. Volunteer	15
Sr. Welder	1
Sr. Training Instructor	1
Stenographer	1
Stone Carver	2
Store Keeper	3
Structural Worker	24
Supervisor	16
Sweeper	22
System Engineer	5
System Manager	1
Tailor	11
Tapper	5
Teacher	191
Technical Consultant	6
Technical Engineer	2

**Existing Foreign Workers**

Occupation	Total in the Country
Technician	55
Telecom Engineer	2
Textile Worker	2
Tile Layer	14
Timber Specialist	1
Tool Operator	14
Town Planner	1
Uphostler	2
Washerman	8
Welder	137
Wet Sweeper	13
Work Assistant	44
Work Supervisor	1
Works Manager	5
	3

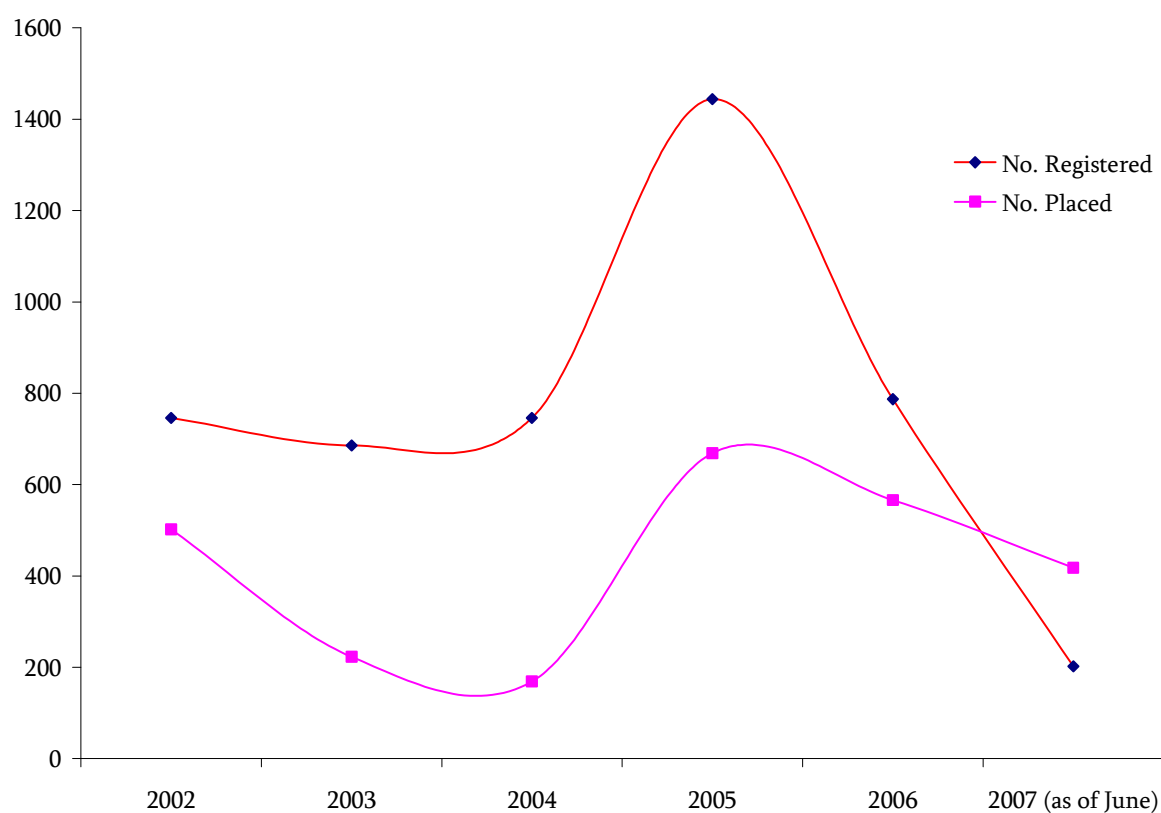
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Source: Department of Labour

**Table 10 .4: Number of Job Seekers Registered and Placed**

Job Placement			
Sl. #	Year	No. Registered	No. Placed
1	2002	746	502
2	2003	686	223
3	2004	746	169
4	2005	1444	669
5	2006	787	566
6	2007 (as of June)	202	418
<b>Total</b>		<b>4611</b>	<b>2547</b>

Trend of jobseekers getting placement



**Table 10.5: Achivements of the National Job Fair 2003-2007**

Year	No. of Vacancies	No. Placed
1st National Job Fair 2003	NA	NA
2nd National Job Fair 2004	524	256
3rd National Job Fair 2005	653	216
4th National Job Fair 2006	955	410
5th National Job Fair 2007	1130	468
<b>Total</b>	<b>3262</b>	<b>1350</b>

Trend of recruitment of jobseekers during the National Job Fair



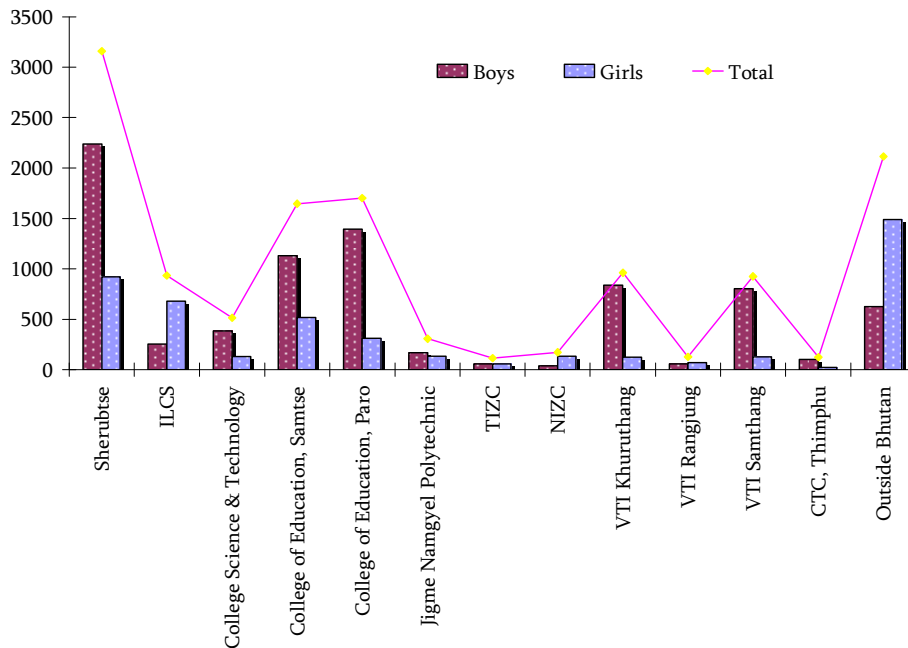
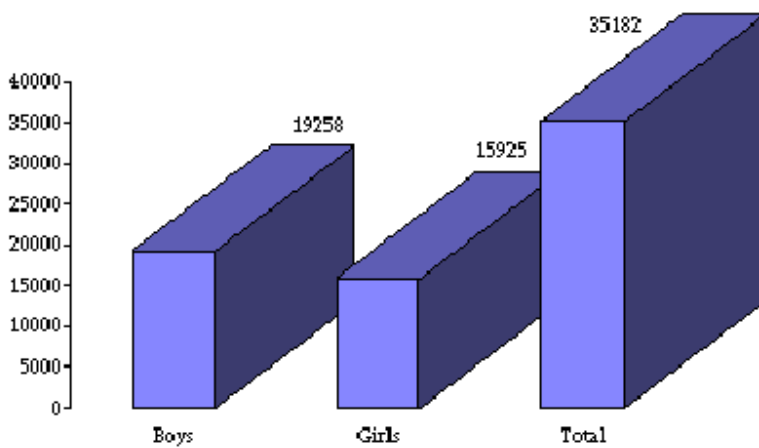
## Section 5: Supply of Labour

This section deals with the supply of labour. General education, technical & vocational education and other training institutes are the main supplier of the labour into the labour market. The schools are in turn the supplier for the vocational training institutes. The supply of labour is estimated to 35183 (male = 19258 & female = 15925) towards the end of the 10th Five Year Plan (2012).

### Tertiary Institutions

The data pertaining to this section has been collected from the registers maintained in the vocational training institutes, tertiary institutes and those pertaining to schools from the Annual Education Statistics published by Policy and Planning Division, Ministry of Education. The growth of the enrolment has been projected with the using the current progression rates in the respective institutes & schools.

**Total supply of labour in 2012**



**Table 11: Enrolment growth of Sherubtse College**

Enrolment Year	Male	Female	Total
1995	162	38	200
2000	294	138	432
2002	437	188	625
2003	565	263	828
2004	565	263	828
2005	613	326	939
2006	797	360	1157
2007	947	428	1375
2008	1124	493	1617
2009	1335	577	1912
2010	1586	675	2261
2011	1884	789	2673
2012	2237	923	3160

**Table 12: Growth of number of graduates studying outside Bhutan**

Year	Male	Female	Total
2204	205	93	298
2005	239	122	361
2006	271	186	457
2007	312	263	575
2008	358	372	730
2009	412	526	938
2010	474	744	1218
2011	545	1052	1597
2012	626	1488	2114

**Table 13: Enrolment growth of Royal Bhutan Institute of Technology**

Enrolment Year	Male	Female	Total
1995	198	28	226
2000	252	45	297
2002	262	45	307
2003	341	88	429
2004	343	87	430
2005	350	96	446
2006	355	100	455
2007	359	105	464
2008	364	109	473
2009	369	114	483
2010	374	119	493
2011	378	125	503
2012	383	130	513



Growth of RBIT Enrolment towards 2012

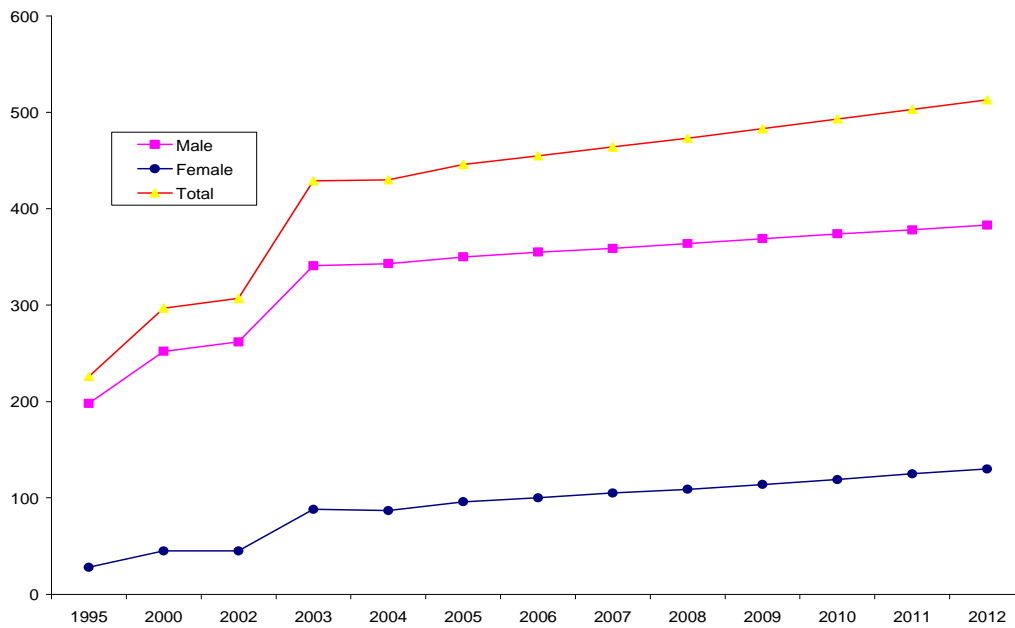


Table 14: Enrolment growth of National Institute of Education, Samtse

Enrolment Year	Male	Female	Total
1995	109	56	165
2000	177	101	278
2002	263	118	381
2003	224	120	344
2004	327	162	489
2005	321	166	487
2006	384	195	579
2007	460	230	690
2008	551	270	821
2009	659	318	977
2010	789	374	1163
2011	945	439	1384
2012	1131	517	1648

Table 15: Enrolment growth of National Institute of Education, Paro

Enrolment Year	Male	Female	Total
1995	121	43	164
2000	323	271	594
2002	330	303	633
2003	337	319	656
2004	355	282	637
2005	462	317	779
2006	541	316	857
2007	633	315	948
2008	742	314	1056
2009	868	313	1181
2010	1017	312	1329
2011	1190	311	1501
2012	1394	310	1704

**Table 16: Enrolment growth of Institute for Language and Cultural Studies**

Enrolment Year	Male	Female	Total
1995	335	105	440
2000	171	65	236
2002	152	73	225
2003	136	70	206
2004	149	112	261
2005	156	116	272
2006	167	149	316
2007	179	192	371
2008	192	247	439
2009	205	319	524
2010	220	528	748
2011	235	528	763
2012	252	680	932

**Table 17: Enrolment growth of Trashiyangtse, Institute of Zorigchusum**

Enrolment Year	Male	Female	Total
2003	40	12	52
2004	50	4	54
2005	43	17	60
2006	45	20	65
2007	46	24	70
2008	48	29	77
2009	50	34	84
2010	52	41	93
2011	53	48	101
2012	55	58	113

**Table 18: Enrolment growth of National Institute for Zorigchusum**

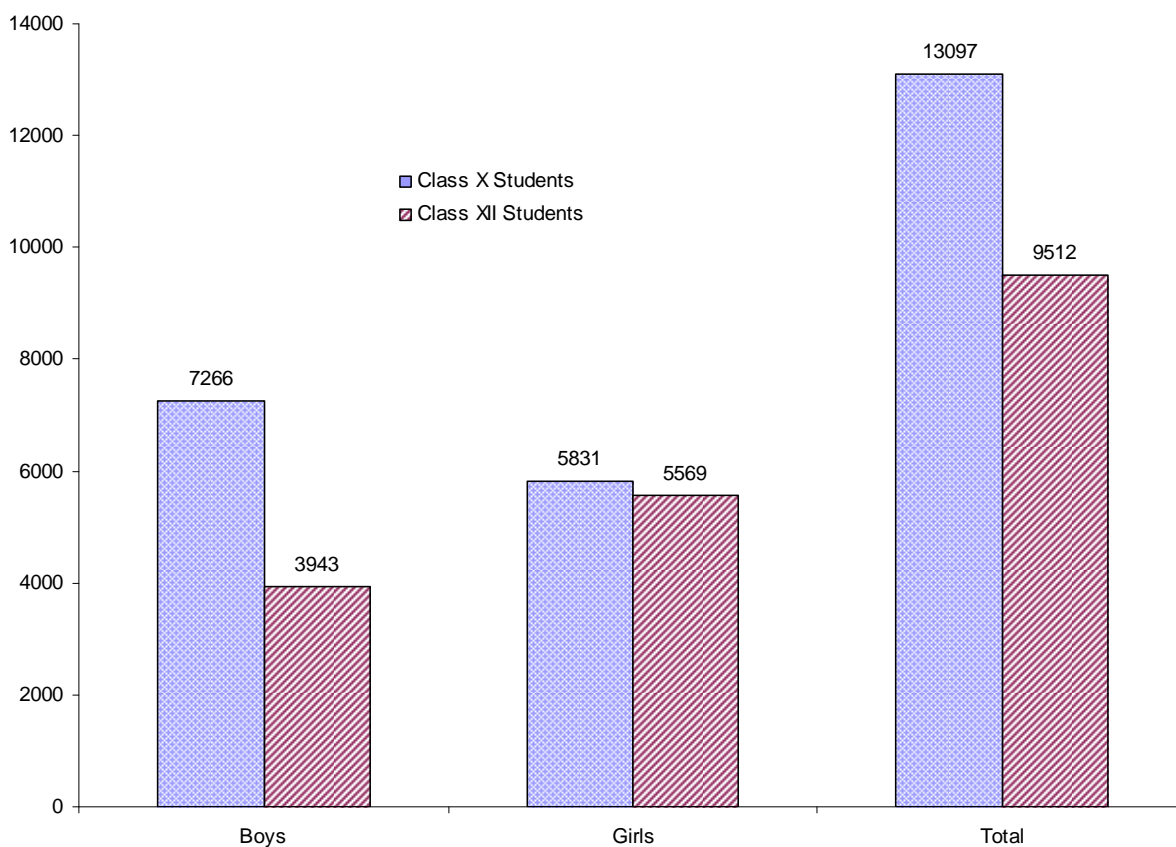
Enrolment Year	Male	Female	Total
2003	78	23	101
2004	112	37	149
2005	67	34	101
2006	62	41	103
2007	58	50	108
2008	53	61	114
2009	49	74	123
2010	46	90	136
2011	42	110	152
2012	39	134	173

**Table 19: Enrolment growth of Deothang Polytechnic**

Level	Boys	Girls	Total
2002	219	39	258
2003	219	55	274
2004	208	50	258
2005	203	57	260
2006	198	64	262
2007	193	73	266
2008	188	82	270
2009	183	93	276
2010	178	105	283
2011	174	119	293
2012	169	135	304

There are four vocational training institutes in the kingdom catering to various vocations. The Construction Training Centre has the maximum number of enrolments (196) as of 2005. The information in the tables below will be useful for the vocational planners & career guidance officers.

**Supply of Class X & XII into VTIs**



**Table 20: Enrolment growth of VTI Khuruthang**

Enrolment Year	Male	Female	Total
2003	42	30	72
2004	15	13	28
2005	43	29	72
2006	41	48	89
2007	68	56	124
2008	112	65	177
2009	185	76	261
2010	306	89	395
2011	506	104	610
2012	837	122	959

**Table 21: Enrolment growth of VTI Rangung**

Enrolment Year	Male	Female	Total
2003	75	37	112
2004	79	32	111
2005	57	25	82
2006	49	21	70
2007	43	17	60
2008	37	14	51
2009	32	11	43
2010	28	9	37
2011	24	8	32
2012	21	6	27

**Table 22: Enrolment growth of VTI Samthang**

Enrolment Year	Male	Female	Total
2003	28	21	49
2004	55	13	68
2005	59	10	69
2006	86	7	93
2007	124	5	129
2008	180	3	183
2009	262	2	264
2010	380	2	382
2011	552	1	553
2012	801	1	802

**Table 23: Enrolment growth of Construction Training Centre, Thimphu**

Enrolment Year	Male	Female	Total
2003	126	108	234
2004	99	66	165
2005	120	76	196
2006	117	64	181
2007	114	53	167
2008	112	45	157
2009	109	38	147
2010	106	32	138
2011	104	26	130
2012	101	22	123

**Table 24: Enrolment growth of Journey of Class X till 2012**

Enrolment Year	Male	Female	Total
2002	2757	2053	4810
2003	2375	2921	5296
2004	2862	3423	6285
2005	3045	3406	6451
2006	3448	3678	7126
2007	3904	3972	7876
2008	4421	4289	8710
2009	5005	4631	9636
2010	5668	5001	10669
2011	6417	5400	11817
2012	7266	5831	13097

**Table 25: Enrolment growth of Journey of Class XII till 2012**

Enrolment Year	Male	Female	Total
2002	1067	616	1683
2003	1104	1709	2813
2004	1201	1880	3081
2005	1465	2222	3687
2006	1688	2534	4222
2007	1944	2889	4833
2008	2239	3294	5533
2009	2580	3756	6336
2010	2972	4283	7255
2011	3423	4884	8307
2012	3943	5569	9512

## Remuneration of Local Jobs

**Table 26 .1: Monthly Median Wages of Employees by Employment Sector & Occupational Group for the year 2006.**

Sl. No.	Occupational Group	Monthly Median Wage	
		Nu.	US \$
1	Legislators, Senior Officials & Managers	13700	338.7
2	Professionals	12100	299.1
3	Technicians & Associate Professionals	8300	205.2
4	Clerks	8200	202.7
5	Service, Shop & Market Sales Workers	7400	182.9
6	Skilled Agricultural & Fishery Workers	5200	128.6
7	Craft & Related Trade Workers	8500	210.1
8	Plant & Machine Operators & Assemblers	8500	210.1
9	Elementary Occupation	6000	148.3
0	Armed Forces	6700	165.6

**Table 26 .2: Monthly Median Remuneration of Plant & Machine Operators & Assemblers**

Monthly Median Remuneration of Plant & Machine Operators & Assemblers		
Job/Occupation	Monthly Median Remunerations	
	Nu.	US \$
Mining & mineral -processing plant operators	3800	93.9
Metal-processing plant operators	3200	79.1
Wood-processing and papermaking plant operators	5700	140.9
Chemical-processing plant operators	4800	118.7
Power-production and related plant operators	3800	93.9
Metal & mineral products machine operator	4800	118.7
Chemical products machine operators	3800	93.9
Rubber & plastic products machine operators	4800	118.7
Printing, binding & paper products machine operators	5700	140.9
Food & related products machine operators	3800	93.9
Assemblers	4800	118.7
Other machine operators & assemblers	4800	118.7
Locomotive engine drivers & related workers	4800	118.7
Motor vehicle drivers	5400	133.5
Agricultural & other mobile plant operators	5700	140.9

The occupational group (legislators, senior officials and managers) is the highly paid occupation followed by professionals and craft and related trade workers.

**Table 26 .3: Monthly Median Remuneration of Craft & Related Workers**

<b>Monthly Median Remuneration of Crafts &amp; Related Workers</b>		
<b>Job/Occupation</b>	<b>Monthly Median Remunerations</b>	
	<b>Nu.</b>	<b>US \$</b>
Miners, shotfirers, stone cutters & carvers	3200	79.1
Building frame & related trade workers	5600	138.4
Building finishing & related trade workers	3800	93.9
Painters, building structure cleaners & related trade workers	3100	76.6
Metal moulders, welders, sheet metal workers, structural metal preparers & related trade workers	3200	79.1
Blacksmiths, toolmakers & related trade workers	3200	79.1
machinery mechanics & fitters	5400	133.5
Electrical & electronic equipment mechanics & fitters	5900	145.9
Precision workers in metal & related materials	6600	163.2
Potters, glass-makers & related trade workers	3200	79.1
Handicraft workers in wood, textile, leather & related material	4800	118.7
Printing & related trade workers	6600	163.2
Food processing & related trade workers	3200	79.1
Wood traders, cabinet-makers & related trade workers	7200	178.0
Textile, garment & related trade workers	3200	79.1
Pelt, leather & shoemaking trade workers	2800	69.2

**Table 26 .4: Monthly Median Remuneration of Clerks**

<b>Monthly Median Remuneration of Clerks</b>		
<b>Job/Occupation</b>	<b>Monthly Median Remuneration</b>	
	<b>Nu.</b>	<b>US \$</b>
Secretaries & keyboard operating clerks	3800	93.9
Numerical clerks	6800	168.1
Material recording & transport clerks	5900	145.9
Library, mail & related clerks	3200	79.1
Other office clerks	8500	210.1
Cashiers, tellers & related clerks	6200	153.3
Client information clerks	3200	79.1

**Table 26 .5: Monthly Median Remuneration of Service Workers & Shop & Market Sales Worker**

Monthly Median Remuneration of Service Workers & Shop & Market sales workers		
Job/Occupation	Monthly Median Remunerations	
	Nu.	US \$
Travel attendants & related workers	9700	239.8
Housekeeping & restaurant services workers	7500	185.4
Personal care & related workers	3200	79.1
Astrologers, fortune-tellers & related workers	3800	93.9
Protective service workers	7700	190.4
Fashion & other models	32100	793.6
Shop salespersons & demonstrators	27400	677.4
Stall & market salespersons	8200	202.7

**Table 26.6: Monthly Median Remuneration of Technicians & Associate Professionals**

Monthly Median Remuneration of Technicians & Associate Professionals		
Job/Occupation	Monthly Median Remunerations	
	Nu.	US \$
Physical & engineering science technicians	5500	136.0
Computer associate professionals	3000	74.2
Optical & electronic equipment operators	5400	133.5
Ship & aircraft controllers & technicians	7700	190.4
Safety & quality inspectors	8400	207.7
Life science technicians and related associate professionals	7000	173.1
Modern health associate professionals	8400	207.7
Nursing & midwifery associate professionals	9600	237.3
Traditional medicine practitioners and faith healers	9600	237.3
Primary education teaching associate professionals	8400	207.7
Pre-primary education teaching associate professionals	5500	136.0
Special education teaching associate professionals	7000	173.1
Other teaching associate professionals	5500	136.0
Finance and sales associate professionals	4400	108.8
Business services agents and trade brokers	4800	118.7
Administrative associate professionals	5400	133.5
Customs, tax and related government associate professionals	3600	89.0
Police inspectors and detectives	9600	237.3
Social work associate professionals	3700	91.5
Artists, entertainment and sports associate professionals	3600	89.0
Religious associate professionals	8000	197.8



**Table 26 .7: Monthly Median Remuneration of Elementary Occupations**

<b>Monthly Median Remuneration of Elementary Occupations</b>		
<b>Job/Occupation</b>	<b>Monthly Median Remunerations</b>	
	<b>Nu.</b>	<b>US \$</b>
Street vendors and related workers	3200	79.1
Shoe cleaning and other street services elementary occupations	2900	71.7
Domestic and related helpers, cleaners and launderers	3700	91.5
Builing care takers, window and related cleaners	3200	79.1
Messengers, porters, doorkeepers and related workers	2800	69.2
Garbage collector & related labourers	3200	79.1
Agricultural, fishery & related labourers	2500	61.8
Mining & construction labourers	4800	118.7
Manufacturing labourers	2800	69.2
Transport and freight handlers	3200	79.1

**Table 26 .8: Monthly Median Wages of Foreign Workers by Occupational Category as of 2006**

<b>Monthly Median Wages of Foreign Workers by Occupational Category as of 2006</b>			
<b>Major Occupation Category</b>	<b>Total Workers</b>	<b>Monthly Median Wages</b>	
		<b>Nu.</b>	<b>US \$</b>
Legislators, Senior Officials & Managers	165	13000	321.4
Professionals	812	10000	247.2
Technicians & Associate Professionals	70	6500	160.7
Clerks	47	4000	98.9
Service, Shop & Market Sales Workers	108	45000	1112.5
Skilled Agricultural & Fishery Workers	337	3000	74.2
Carft & Related Trade Wrokers	5508	3500	86.5
Plant & Machine Operators & Assemblers	160	4500	111.2
Elementary Occupation	492	3000	74.2