

CHAPTER VII

COMPARISON OF RESULTS OF ECONOMIC CENSUSES 2005 and 2013

7.1 GROWTH OF ESTABLISHMENTS AND EMPLOYMENT

Table-7.1 gives the number of establishments and employment in last two economic censuses and inter-census growth rate of establishments in respect of rural, urban and combined over the period 2005-2013. It is seen that the overall compound annual growth rate (CAGR) of establishments per year during 2005-2013 was 4.46%. Growth rate per annum in urban areas was slightly more than (4.95%) the growth rate (4.14%) observed in rural areas. The total growth in number of establishments during 2005-13 was 41.79%.

As far as employment is concerned, overall CAGR of 4.12% was observed during 2005-13. During 2005-13, a CAGR of 3.80% was observed in rural areas. For urban areas, a CAGR of 4.47% was observed during 2005-13. The total growth in number of workers during 2005-2013 was 38.13%.

Table 7.1: Number of Establishments and Employment for Fifth and Sixth ECs
(Figures in absolute numbers)

Sector	Item	Fifth EC*	Sixth EC	CAGR(%)	Total Growth(%)
Rural	Establishments	25146177	34795754	4.14	38.37
	Employment	50374053	67895421	3.80	34.78
Urban	Establishments	16107453	23699605	4.95	47.13
	Employment	44679954	63398447	4.47	41.89
Combined	Establishments	41253630	58495359	4.46	41.79
	Employment	95054007	131293868	4.12	38.13

*Figures excluding public administration, defence & compulsory social security service activities for meaningful comparison with the figures of Sixth EC.

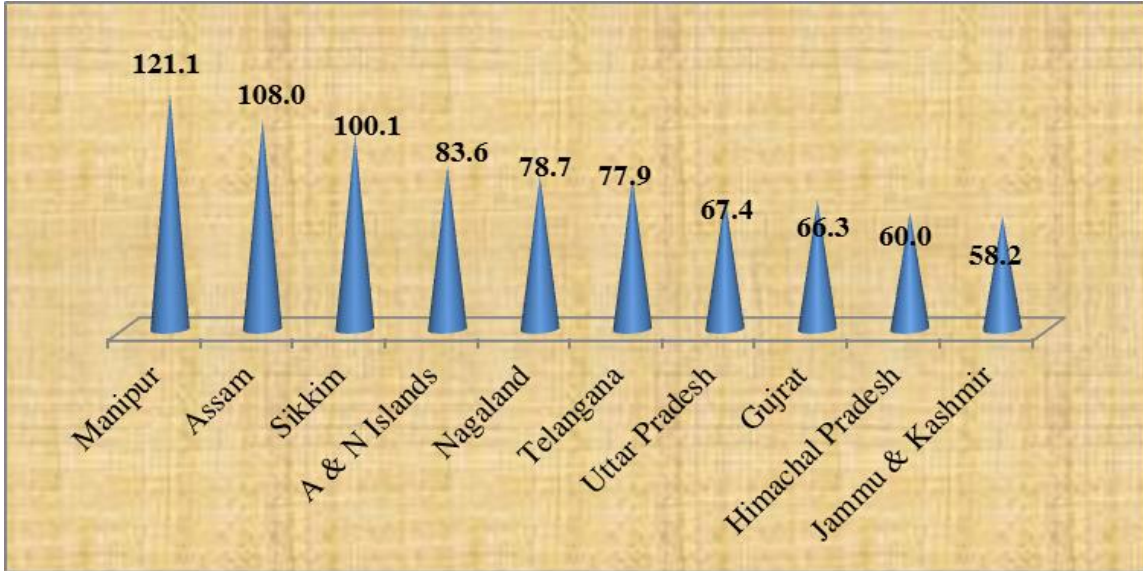
7.2 GROWTH RATES OF ESTABLISHMENTS AND EMPLOYMENT BETWEEN 2005 (FIFTH EC) AND 2013 (SIXTH EC).

A combined growth of 41.79% and 38.13% was observed between the Fifth and Sixth ECs in number of establishments and number of workers respectively (**Table 7.2**). The growth in establishments was 38.37% in rural India and 47.13% in urban India. Similar trend can be seen in employment growth with 34.78% in rural India and 41.89%

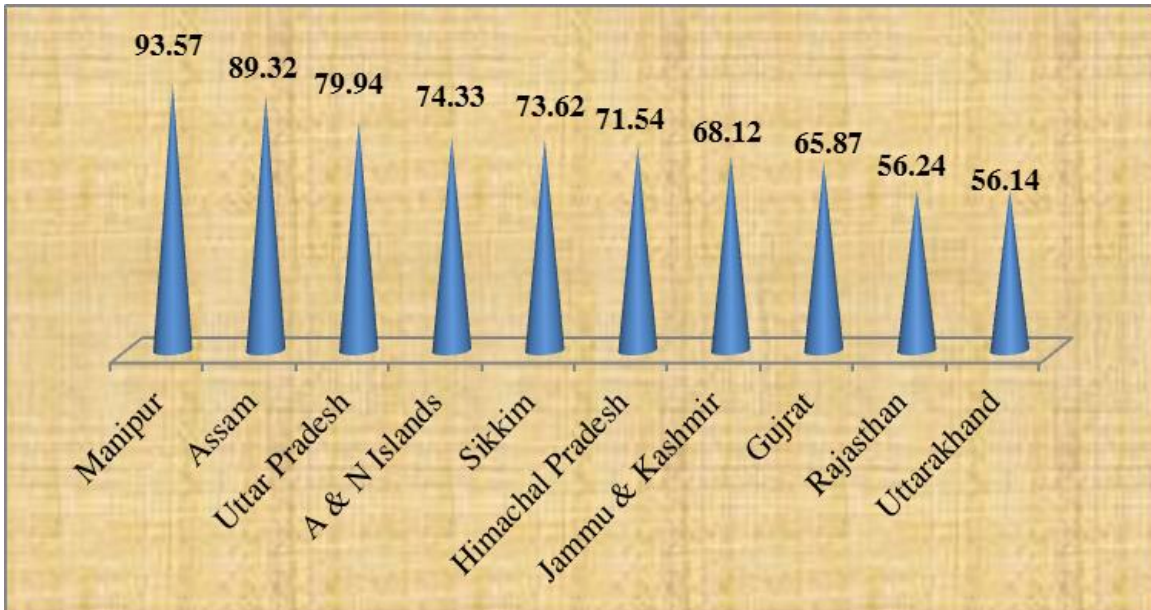
Comparison of results of ECs: 2005 and 2013

in urban India respectively. The State/UT wise percentage growth in total number of establishments (excluding crop production, public administration, defence & compulsory social security services activities) and employment therein during Sixth EC (2013) as compared to Fifth EC (2008) can be seen in **Table 7.2**.

States/UTs with high percentage growth in establishments between Fifth and Sixth ECs



States/UTs with high percentage growth in employment between Fifth and Sixth ECs



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Table 7.2: State/UT wise percentage growth in number of establishments and employment between Fifth and Sixth ECs

State/UT	Growth in Establishments (%)			Growth in Employment (%)		
	Rural	Urban	Combined	Rural	Urban	Combined
Jammu & Kashmir	65.31	48.95	58.16	74.53	60.98	68.12
Himachal Pradesh	61.22	54.77	59.96	79.04	51.28	71.54
Punjab	58.62	28.54	42.56	62.04	31.62	44.04
Chandigarh	-70.35	44.25	30.53	-67.80	38.16	31.08
Uttarakhand	18.94	30.71	23.52	44.81	70.17	56.14
Haryana	43.58	39.04	41.53	35.26	73.18	53.69
Delhi	-52.78	18.47	15.98	-59.86	-10.19	-11.20
Rajasthan	56.39	41.18	50.56	61.97	48.90	56.24
Uttar Pradesh	90.00	39.94	67.38	97.70	61.25	79.94
Bihar	45.19	31.95	40.99	57.84	38.20	50.75
Sikkim	63.02	190.10	100.07	39.69	148.42	73.62
Arunachal Pradesh	12.54	72.83	33.41	12.26	68.03	32.06
Nagaland	75.90	82.13	78.66	36.87	34.80	35.93
Manipur	151.96	83.31	121.07	115.16	67.07	93.57
Mizoram	18.13	26.90	23.58	41.57	49.07	46.38
Tripura	6.93	84.52	27.67	-1.58	79.46	21.61
Meghalaya	34.83	19.93	29.86	53.56	29.63	44.48
Assam	114.90	92.31	107.99	95.72	76.21	89.32
West Bengal	24.48	74.01	41.36	12.01	39.75	24.09
Jharkhand	22.34	47.31	32.29	33.32	43.42	37.90
Odisha	12.38	28.42	15.73	22.87	29.80	24.60
Chhattisgarh	21.53	29.90	24.17	27.36	39.91	31.83
Madhya Pradesh	27.59	26.44	27.04	23.65	24.44	24.07
Gujarat	79.77	49.18	66.32	82.54	50.29	65.87
Daman & Diu	-67.72	120.85	4.85	-70.68	621.32	35.86
D & N Haveli	-29.87	148.65	35.04	-20.18	216.89	45.54
Maharashtra	59.93	35.85	47.79	43.13	34.30	37.85
Karnataka	9.17	24.81	15.01	7.57	35.06	19.86
Goa	-10.98	77.37	33.03	-17.15	86.83	36.41
Lakshadweep	-59.73	141.54	16.18	-58.34	139.62	20.05
Kerala	-13.53	123.15	20.59	-13.05	114.87	26.48
Tamil Nadu	0.75	39.05	15.58	9.39	37.56	22.49
Puducherry	8.23	29.11	22.04	15.68	36.28	29.08
A & N islands	72.04	107.37	83.64	68.65	81.82	74.33
Telangana	60.46	108.49	77.94	20.58	50.17	35.93
Andhra Pradesh	52.63	55.88	53.46	26.95	35.11	29.39
All India	38.37	47.13	41.79	34.78	41.89	38.13

Comparison of results of ECs: 2005 and 2013

There were positive growth rates in all the States/UTs in terms of number of establishments. Similar trend was observed in employment except for Delhi where it dipped by 11.20% compared to Fifth EC. This was primarily due to the fact that average employment size per establishment in Fifth EC for Delhi was much higher (4.69) as compared to the corresponding average employment size of 3.45 in Sixth EC for the NCT of Delhi. Moreover, number of employed persons as per Sixth EC for Delhi was found to be consistent with the estimate based on NSS 67th round Survey (2010-11).

Among the States, three States from the North-East grew by more than double in terms of number of establishments with the highest growth rate observed in Manipur (121.07%), followed by Assam (107.99%) and Sikkim (100.07%). Nagaland (78.66%) and Telangana (77.94%) were the other two States among the top five States with higher growth in the number of establishments. As far as UTs are concerned, A&N Islands with a growth rate of 83.64% in establishments was at the top followed by D& N Haveli (35.04%) and Chandigarh (30.53%). Similar trend for the top two States was observed for employment growth rates between Fifth and Sixth ECs with Manipur (93.57%) and Assam (89.32%) at the top. Uttar Pradesh (79.94%), Sikkim (73.62%) and Himachal Pradesh (71.54%) completed the list of top five States in terms of employment growth. Among the UTs, A&N Islands showed the highest growth rate in terms of employment with a combined growth of 74.33%. D&N Haveli (45.54%) and Daman& Diu (35.86%) were the other two UTs reporting high growth in employment. Similar trends were observed in CAGR of establishments and employment between fifth and sixth ECs and the State/UT wise figures can be seen in **Table 7.3**.

Table 7.3: Comparison of CAGR of Establishments and Employment between Fifth and Sixth ECs

State/UT	Establishments			Employment		
	Rural	Urban	Combined	Rural	Urban	Combined
J&K	6.48	5.11	5.9	7.2	6.13	6.71
HP	6.15	5.61	6.05	7.6	5.31	6.98
Punjab	5.94	3.19	4.53	6.2	3.49	4.67
Chandigarh	-14	4.69	3.39	-13	4.12	3.44
Uttarakhand	2.19	3.4	2.68	4.7	6.87	5.73
Haryana	4.63	4.21	4.44	3.9	7.11	5.52
Delhi	-9	2.14	1.87	-11	-1.3	-1.47
Rajasthan	5.75	4.4	5.25	6.2	5.1	5.74
Uttar Pradesh	8.35	4.29	6.65	8.9	6.15	7.62
Bihar	4.77	3.53	4.39	5.9	4.13	5.26
Sikkim	6.3	14.2	9.06	4.3	12.1	7.14
Arunachal Pradesh	1.49	7.08	3.67	1.5	6.7	3.54
Nagaland	7.31	7.78	7.52	4	3.8	3.91
Manipur	12.2	7.87	10.4	10	6.63	8.61
Mizoram	2.1	3.02	2.68	4.4	5.12	4.88
Tripura	0.84	7.96	3.1	-0.2	7.58	2.48
Meghalaya	3.81	2.3	3.32	5.5	3.3	4.71
Assam	10	8.52	9.59	8.8	7.34	8.31
West Bengal	2.77	7.17	4.42	1.4	4.27	2.73
Jharkhand	2.55	4.96	3.56	3.7	4.61	4.1
Orissa	1.47	3.18	1.84	2.6	3.31	2.79
Chhattisgarh	2.47	3.32	2.74	3.1	4.29	3.51
MP	3.09	2.98	3.04	2.7	2.77	2.73
Gujarat	7.61	5.13	6.57	7.8	5.22	6.53
Daman & Diu	-13	10.4	0.59	-14	28	3.91
D&N Haveli	-4.3	12.1	3.83	-2.8	15.5	4.8
Maharashtra	6.05	3.9	5	4.6	3.75	4.09
Karnataka	1.1	2.81	1.76	0.9	3.83	2.29
Goa	-1.4	7.43	3.63	-2.3	8.13	3.96
Lakshadweep	-11	11.7	1.89	-10	11.5	2.31
Kerala	-1.8	10.6	2.37	-1.7	10	2.98
Tamil Nadu	0.09	4.21	1.83	1.1	4.07	2.57
Pondicherry	0.99	3.25	2.52	1.8	3.94	3.24
A & N. Islands	7.02	9.55	7.89	6.8	7.76	7.19
Telangana	6.09	9.62	7.47	2.4	5.21	3.91
Andhra Pradesh	5.43	5.71	5.5	3	3.83	3.27
All India	4.14	4.95	4.46	3.8	4.47	4.12

7.4 AGRICULTURAL ESTABLISHMENTS

Table-7.4 given below gives the details of the agricultural establishments by rural-urban break up. It is observed that share of agricultural establishments registered a continuous rising trend from 14.54% in 2005 to 22.45% in 2013. The overall CAGR of agricultural establishments has increased to 10.1% during 2005-13. The increasing trend has been noticed both in rural and urban areas of the country. Similar pattern of CAGR can be seen in employment in the agricultural establishments with a surge to 9.7% during 2005-13.

Table 7.4 Growth rate of Agricultural Establishments and employment therein by sector

Sector	Item	Fifth EC (2005)	Sixth EC (2013)	CAGR (%)	Total Growth (%)
Rural	Establishments	5708999	12085209	9.83	111.69
	Employment	10175198	21057320	9.52	106.95
Urban	Establishments	370984	1046364	13.84	182.05
	Employment	738403	1825181	11.98	147.18
Combined	Establishments	6079983	13131573	10.10	115.98
	Employment	10913601	22882501	9.70	109.67

7.5 NON-AGRICULTURAL ESTABLISHMENTS

The similar details of non-agricultural establishments in 2005 and 2013 are given in Table-7.5. The CAGR of non-agricultural establishments was 3.23% during 2005-13. However, overall CAGR for employment in non-agricultural establishments grew at a much higher rate i.e. 4.12% during 2005-13.

Table 7.5 Growth rate of Non- Agricultural establishments and employment therein by sector

Sector	Item	Fifth EC* (2005)	Sixth EC (2013)	CAGR(%)	Total Growth (%)
Rural	Establishments	19437178	22710545	1.96	16.84
	Employment	40198855	46838101	1.93	16.52
Urban	Establishments	15736469	22653241	4.66	43.95
	Employment	43941551	61573266	4.47	40.13
Combined	Establishments	35173647	45363786	3.23	28.97
	Employment	84140406	108411367	4.12	28.85

*Figures excluding public administration, defence & compulsory social security service activities for meaningful comparison with the figures of Sixth EC.

7.6 AVERAGE EMPLOYMENT PER ESTABLISHMENT

Average employment per establishment has shown a declining trend at all India level and also both in rural and urban areas (**Table 7.6**). The average employment per establishment at all India level has reduced from 2.30 in 2005 to 2.24 in 2013.

In case of agricultural establishments, average employment per establishment which was 1.8 in 2005 has declined to 1.74 in 2013. However, the average

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employment per establishment in non-agricultural establishments was observed as 2.39 in both fifth and sixth ECs.

Table 7.6: Average employment per establishment

Sl.No.	Type	Rural		Urban		Combined	
		2005	2013	2005	2013	2005	2013
I.	Agricultural establishments						
	OAE	1.53	1.61	1.46	1.44	1.53	1.6
	Estt. With at least one hired worker	3.2	3.04	3.73	3.29	3.24	3.07
	Total	1.78	1.74	1.99	1.74	1.8	1.74
II.	Non-agricultural establishments						
	OAE	1.3	1.3	1.24	1.3	1.28	1.3
	Estt. With at least one hired worker	3.7	4.13	4.63	4.82	4.2	4.54
	Total	2.07	2.06	2.79	2.72	2.39	2.39
III.	All establishments						
	OAE	1.37	1.43	1.25	1.31	1.33	1.39
	Estt . With at least one hired worker	3.68	3.96	5.07	4.79	4.13	4.42
	Total.	2.04	1.95	3	2.68	2.3	2.24

7.6 ESTABLISHMENTS BY SIZE CLASS OF EMPLOYMENT

Table 7.7 gives the distribution of establishments by size class of employment based on last two ECs. It is of interest to note that the percentage share of smaller establishment with employment size class of 1-5 workers in total number of establishments in the country has a rising trend over the period 2005-2013 with a consequent decline in the share of establishment having employment in the employment range of 6-9 workers.

Table 7.7: Percentage distribution of establishments and employment in Fifth and Sixth ECs by size class of employment

Sl.No.	Size class of	Item	2005 (%)	2013 (%)
1	1-5	Establishments	95.38	95.50
		Employment	67.26	69.52
2	6-9	Establishments	3.39	3.13
		Employment	10.34	9.33
3	10 & above	Establishments	1.31	1.37
		Employment	22.40	21.15