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Supplemental files

Table S1-A: Rural and urban workforce participation rates by states' level of development, India, 1993-1994 and 2011-12 — overview

States	rural				urban			
	1993-94	1999-2000	2004-05	2011-2012	1993-94	1999-2000	2004-05	2011-2012
Developed	46.10	45.04	48.52	43.60	33.72	35.02	37.66	36.54
Moderate	46.23	44.13	46.63	43.60	36.95	35.93	38.33	37.58
Underdeveloped	41.97	39.38	43.02	38.53	33.80	31.02	33.32	32.77
India	44.40	41.70	43.90	39.90	34.70	33.70	36.50	35.50

Sources: NSSO, 1997, 2001a, 2006, 2014a.

Table S1-B: Workforce participation rates in rural and urban areas, by state and state type, India, 1993-94 to 2011-12 —detailed

SI no	States	Rural				Urban			
		1993-94	1999-2000	2004-05	2011-12	1993-94	1999-2000	2004-05	2011-12
1	Gujarat	48.8	49.9	51.3	44.7	34.7	34.5	37.7	38.4
2	Haryana	37.2	34.6	42.4	35.6	36.3	31.4	33.9	31.8
3	Maharashtra	51.4	48.4	52.1	48.6	32.9	34.6	38.4	36.5
4	Punjab	39.2	41.0	44.0	40.6	33.5	35.3	36.5	36.8
5	Tamil Nadu	53.9	51.3	52.8	48.5	31.2	39.3	41.8	39.2
	Means of developed states	46.1	45.0	48.5	43.6	33.7	35.0	37.7	36.5
6	Andhra Pradesh	57.5	54.2	54.4	52.2	37.6	34.8	39.2	36.4
7	Karnataka	51.7	48.7	54.2	45.0	37.7	36.6	38.6	37.6
8	Kerala	38.1	38.7	40.0	38.2	31.7	37.3	37.1	36.3
9	West Bengal	37.6	34.9	37.9	39.0	40.8	35.0	38.4	40.0
	Means of moderately developed states	46.2	44.1	46.6	43.6	37.0	35.9	38.3	37.6
10	Assam	35.3	34.9	39.1	34.3	32.1	33.2	33.6	32.9
11	Bihar	35.1	33.8	37.2	32.3	27.1	26.6	29.2	26.9
12	Madhya Pradesh	49.4	46.2	48.4	44.6	35.6	31.9	35.6	35.1
13	Orissa	44.2	42.3	45.2	41.7	33.6	31.7	33.4	38.1
14	Rajasthan	50.0	44.6	45.9	42.4	38.2	32.3	34.9	32.6
15	Uttar Pradesh	37.8	34.5	42.3	36.0	36.2	30.4	33.2	31.1
	Means of underdeveloped states	42.0	39.4	43.0	38.5	33.8	31.0	33.3	32.8
16	India	44.4	41.7	43.9	39.9	34.7	33.7	36.5	35.5

Sources: NSSO, 1997, 2001a, 2006, 2014a

Table S2: Unemployment rates by rural/urban area, state and state type, India, 1993-94 to 2011-12

Sl no	States	Rural				Urban			
		1993-94	1999-2000	2004-05	2011-12	1993-94	1999-2000	2004-05	2011-12
1	Gujarat	0.9	0.4	0.5	0.3	3.3	2.0	2.4	0.8
2	Haryana	1.1	0.8	2.2	2.4	2.6	2.7	4.0	4.2
3	Maharashtra	0.8	1.4	1.0	0.7	4.4	5.8	3.6	2.3
4	Punjab	1.3	1.8	3.8	1.9	3.4	2.7	5.0	2.8
5	Tamil Nadu	1.3	2.0	1.2	2.0	5.0	4.0	3.5	2.7
	Means of developed states	1.1	1.3	1.7	1.5	3.7	3.4	3.7	2.6
6	Andhra Pradesh	0.4	0.8	0.7	1.2	3.0	3.9	3.6	4.3
7	Karnataka	0.5	0.7	0.7	0.9	3.6	3.3	2.8	2.9
8	Kerala	6.9	8.2	10.7	6.8	10.3	10.2	15.6	6.1
9	West Bengal	1.8	2.8	2.5	2.7	7.9	7.6	6.2	4.8
	Means of moderately developed states	2.4	3.1	3.7	2.9	6.2	6.3	7.1	4.5
10	Assam	5.2	3.9	2.6	4.5	8.9	9.7	7.2	5.6
11	Bihar	1.6	1.8	1.5	2.7	7.1	7.4	6.5	5.4
12	Madhya Pradesh	0.5	0.5	0.6	0.6	5.0	3.5	3.2	3.5
13	Orissa	1.4	1.9	5.0	2.2	6.5	6.7	13.4	3.5
14	Rajasthan	0.3	0.4	0.7	0.7	1.4	2.5	2.9	3.1
15	Uttar Pradesh	0.7	0.8	1.0	1.7	2.9	4.1	4.4	4.7
	Means of underdeveloped states	1.6	1.6	1.9	2.1	5.3	5.7	6.3	4.3
16	India	1.2	1.5	1.7	1.7	4.5	4.7	4.5	3.4

Sources: NSSO,1997,2001a, 2006, 2014a

Table S3: Ratio of informal workers to total workers across states and rural-urban areas (excluding agriculture and construction), India, 1999-2011

States	Rural		Urban	
	1999-2000	2010-11	1999-2000	2010-11
Gujarat	0.08	0.11	0.48	0.58
Haryana	0.07	0.13	0.41	0.39
Maharashtra	0.09	0.11	0.41	0.36
Punjab	0.10	0.14	0.49	0.45
Tamil Nadu	0.17	0.16	0.39	0.43
Means of developed states	0.10	0.13	0.44	0.44
Andhra Pradesh	0.13	0.25	0.49	0.47
Karnataka	0.12	0.12	0.39	0.34
Kerala	0.22	0.35	0.42	0.30
West Bengal	0.22	0.29	0.39	0.45
Means of moderately developed states	0.17	0.25	0.42	0.39
Assam	0.10	0.13	0.30	0.28
Bihar	0.10	0.05	0.39	0.12
Madhya Pradesh	0.07	0.04	0.33	0.16
Orissa	0.20	0.27	0.35	0.37
Rajasthan	0.07	0.07	0.34	0.37
Uttar Pradesh	0.15	0.08	0.55	0.26
Means of underdeveloped states	0.12	0.11	0.38	0.26
India	0.12	0.15	0.42	0.41

Source: Office of the Registrar General & Census Commissioner, India, 2011; NSSO, 2001b, 2012.

Table S4: Percentage of usually employed persons in different employment categories across states in rural areas, India, 1993-94 to 2011-2012

SI no	States	Self employed				Regular salaried/wage workers				Casual workers			
		1993-94	1999-2000	2004-05	2011-12	1993-94	1999-2000	2004-05	2011-12	1993-94	1999-2000	2004-05	2011-12
1	Gujarat	50.2	54.2	53.6	57	6.8	6.3	7.1	10.3	43	39.5	39.3	32.7
2	Haryana	67.7	66.4	67.6	61.8	9.4	12.4	13.7	14	22.9	21.2	18.7	24.4
3	Maharashtra	48.7	44.3	51.1	53.7	7.6	7.3	7.9	8.8	43.7	48.4	40.9	37.4
4	Punjab	62.7	65.5	63.1	54.9	10.5	13	12.9	17	26.8	21.5	24	28.3
5	Tamil Nadu	41.6	36.7	42.7	29.9	9.3	11.8	10.4	14	49.1	51.5	47	55.9
	Means — developed states	54.18	53.42	55.62	51.46	8.72	10.16	10.40	12.82	37.10	36.42	33.98	35.74
6	Andhra Pradesh	47.5	45.8	47.9	46.7	5.2	5.9	7.2	8	47.3	48.3	45	45.2
7	Karnataka	55.9	50.2	49.3	52	4.8	5.3	5	11.8	39.3	44.5	45.7	36.2
8	Kerala	45.4	42.9	45.4	38.2	11.5	13.7	16.4	17.8	43.1	43.4	38.1	44
9	West Bengal	55.7	52.2	55.2	46.4	9.5	7	7.5	8.7	34.8	40.8	37.3	44.6
	Means — moderately developed states	51.13	47.78	49.45	45.83	7.75	7.98	9.03	11.58	41.13	44.25	41.53	42.50
10	Assam	57.8	58.2	71	70	14.4	16.6	9.1	11.7	27.8	25.2	19.9	18.4
11	Bihar	52.3	52.3	65.6	60.3	4	3.5	3.5	4.15	43.7	44.2	31	35.65
12	Madhya Pradesh	61.9	56.6	57.2	59.1	4	3.5	4.6	4.5	34.1	39.9	38.3	36.5
13	Orissa	56.4	48.7	58.4	62.4	4.5	4.2	5.6	6.7	39.1	47.1	36	30.9
14	Rajasthan	79	79.9	77.4	67.5	4.6	4.9	5.4	6.8	16.4	15.2	17.2	25.5
15	Uttar Pradesh	74.3	72.7	78.4	70.45	4.5	5.6	6.3	8.6	21.2	21.7	15.3	20.8
	Means — underdeveloped states	63.62	61.40	68.00	64.96	6.00	6.38	5.75	7.08	30.38	32.22	26.28	27.96
16	India	58.1	55.8	60.2	55.9	6.6	6.8	7.1	8.8	35.3	37.4	32.8	35.3

Sources: NSSO, 1997, 2001a, 2006, 2014a.

Table S5: Percentage of usually employed persons in different employment categories across states in urban areas, India, 1993-94 to 2011-2012

SI no	States	Self employed				Regular salaried/wage workers				Casual workers			
		1993-94	1999-2000	2004-05	2011-12	1993-94	1999-2000	2004-05	2011-12	1993-94	1999-2000	2004-05	2011-12
1	Gujarat	38.3	41	41.7	41.7	40.9	34.1	44.9	49.5	20.8	24.9	13.5	8.9
2	Haryana	45	44.8	49.7	40.6	40.4	42.8	42.5	49.4	14.6	12.4	7.8	10.1
3	Maharashtra	36.6	33.8	38.1	36.2	49.6	51.5	46.5	54.5	13.8	14.7	15.5	9.3
4	Punjab	48.9	47.7	47.8	44.6	40	40.9	44.3	47.8	11.1	11.4	7.9	7.6
5	Tamil Nadu	36.1	34.7	39.8	34.4	37.3	44.1	44.1	43.4	26.6	21.2	16.1	22.4
	Means — developed states	40.98	40.40	43.42	39.50	41.64	42.68	44.46	48.92	17.38	16.92	12.16	11.66
6	Andhra Pradesh	40.3	36.7	44.5	37.6	34.1	38.7	36.1	46.7	25.6	24.6	19.4	15.9
7	Karnataka	41.3	38.8	42.1	39.4	36.9	39.6	38.6	44.9	21.8	21.6	19.3	16
8	Kerala	39.8	41.3	41.1	36.4	26.8	29.1	28.7	35.8	33.4	29.6	30.1	27.8
9	West Bengal	37.3	43.2	46.2	45	47	40	37.2	38	15.7	16.8	16.6	16.8
	Means — moderately developed states	39.68	40.00	43.48	39.60	36.20	36.85	35.15	41.35	24.13	23.15	21.35	19.13
10	Assam	45.3	44.7	42.3	53.8	43.1	42.9	45.1	36.5	11.6	12.4	12.6	9.7
11	Bihar	47.8	53.7	52.2	52.1	35.6	30.2	29.7	30.05	16.6	16.1	18.1	17.85
12	Madhya Pradesh	41.3	46.3	43.2	41.7	38.5	33	38.8	35.5	20.2	20.7	18.1	22.8
13	Orissa	37.2	42.8	44.4	51.2	44.3	35.8	35.6	34.6	18.5	21.4	20	14.2
14	Rajasthan	51	49.9	56	45.4	37.9	36.5	32.6	38.7	11.1	13.6	11.4	15.6
15	Uttar Pradesh	58.7	55	55.8	53.05	29.5	32.3	35.2	34.35	11.8	12.7	9.1	12.95
	Means — underdeveloped states	46.88	48.73	48.98	49.54	38.15	35.12	36.17	34.95	14.97	16.15	14.88	15.52
16	India	42.4	42.2	45.4	42	39.5	40	39.5	43.4	18.1	17.8	15	14.6

Sources: NSSO, 1997, 2001a, 2006, 2014a.

Table S6: Percentage of employees not eligible for social security benefits across states and rural-urban areas, India 2004-05 and 2011-2012

Sl no	States	Rural regular salaried/wage workers		Urban regular salaried/wage workers		Rural casual workers		Urban casual workers	
		2004-05	2011-12	2004-05	2011-12	2004-05	2011-12	2004-05	2011-12
1	Gujarat	56.9	61.9	56.5	69.2	99.7	97	99.6	99
2	Haryana	57	55.7	55.2	42.1	99.7	95.4	100	99
3	Maharashtra	50.5	46.6	55.6	57.8	97.1	95.2	97.4	92.7
4	Punjab	63.4	70.9	61.6	67.8	97.9	99	98	98.8
5	Tamil Nadu	66.1	62.3	56.5	55.6	98.4	96.3	98.2	97.5
	Means of developed states	58.78	59.48	57.08	58.50	98.56	96.58	98.64	97.40
6	Andhra Pradesh	62.8	69.7	58.1	53.8	95.9	90.3	97.2	97.5
7	Karnataka	60.1	59.5	46.1	38.3	99.9	92.8	99.4	91
8	Kerala	55.4	61.7	52.2	55.3	95.2	92.7	95.7	96.8
9	West Bengal	53.6	64	49	51.8	94.4	96.7	95.7	96.4
	Means of moderately developed states	57.98	63.73	51.35	49.80	96.35	93.13	97.00	95.43
10	Assam	22.6	30.3	31.5	30	87.7	85.1	96.7	85.9
11	Bihar	51.4	43.45	38	43.85	85.6	86.25	92.1	90.7
12	Madhya Pradesh	58.8	55.8	50.6	52.85	95.8	93.55	93.5	92.4
13	Orissa	45.5	56.7	39.4	37.9	96.3	94.8	87.9	88.1
14	Rajasthan	63.9	67.3	59.6	59.8	99.2	95.3	98.7	98.4
15	Uttar Pradesh	52.7	58.75	48.1	53.4	95.2	93.35	95	96.95
	Means of underdeveloped states	49.15	52.05	44.53	46.30	93.30	91.39	93.98	92.08
16	India	56.9	58.2	53.5	54	95.5	92.7	96.2	95

Sources: NSSO, 2007, 2014b.

Note: employees in the AGEGC and non-agricultural sector. (AGEGC: Agriculture only excluding growing of crops, market gardening, horticulture and growing of crops combined with farming of animals)

Table S7: Percentage of employees with no union/association activity* across states and rural-urban areas, India, 2004-05 and 2011-12

SI no	States	Rural self-employed		Urban self-employed		Rural regular salaried/wage workers		Urban regular salaried/wage workers		Rural casual workers		Urban casual workers	
		2004-05	2011-12	2004-05	2011-12	2004-05	2011-12	2004-05	2011-12	2004-05	2011-12	2004-05	2011-12
1	Gujarat	90.7	91.2	73	81.2	60.2	70.8	60.3	78.2	96.4	97.7	93.2	92.2
2	Haryana	92.7	86.4	79.5	75.7	66.9	43.3	63.6	59.8	85.8	92.9	98.2	87.1
3	Maharashtra	82.6	88.5	67.3	73.8	50.5	54.4	60.6	65.2	87.3	95	92.5	90
4	Punjab	76.4	73.1	68	73.6	60.4	68.6	62.3	69.9	71.9	75.5	85.4	88.8
5	Tamil Nadu	63.8	74	55.4	63.5	57	64.2	59.6	67.9	64	83.5	57.2	73.9
	Means of developed states	81.24	82.64	68.64	73.56	59.00	60.26	61.28	68.20	81.08	88.92	85.30	86.40
6	Andhra Pradesh	78.4	90.2	63.5	73.8	53.9	63.7	60.4	60.8	79.9	96.1	78.3	81.6
7	Karnataka	71.2	70.4	59.7	68.2	51.7	55.4	60.4	53.9	86.8	86.1	80.8	78.4
8	Kerala	40.1	41.1	36.3	38.9	34.8	41.2	34.4	46.9	39.5	51.1	35.7	42.7
9	West Bengal	74.4	83	65.4	72.1	53.6	48.3	52.4	51	74.9	84.9	77.2	79.2
	Means of moderately developed states	66.03	71.18	56.23	63.25	48.50	52.15	51.90	53.15	70.28	79.55	68.00	70.48
10	Assam	53.1	81.2	42	62.7	18.1	19.1	15.8	31.1	62.5	71.2	51.7	77.5
11	Bihar	85.4	89.9	76.7	76.25	44.4	41.45	45.4	44.5	92.5	85.7	87.1	75.85
12	Madhya Pradesh	82.8	84.45	74.6	75.4	55.8	43.5	58.4	52.65	82.3	95.3	81.5	90.75
13	Orissa	89.9	94.4	73.3	81	37	57.6	42.3	47.1	84	93.5	95.3	88.4
14	Rajasthan	89	95.7	81.1	82.6	56.3	60.9	51.8	66	93.7	93.1	92.4	86.2
15	Uttar Pradesh	89.7	92.25	78.1	67.5	53.1	61.95	52.7	60.35	91	96.1	93.5	95.1
	Means of underdeveloped states	81.65	89.65	70.97	74.24	44.12	47.42	44.40	50.28	84.33	89.15	83.58	85.63
16	India	80	86.1	68.2	73.2	51.9	54.9	56.7	61.7	79	88.1	79.6	81.8

NSSO variable is: 'Percentage of workers with non-existence of union/ association in their activity' (NSSO, 2014b)

Sources: NSSO, 2007, 2014b

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