

**Table 3**  
**Basic data on population and employment, 1980-2000**  
**(Million persons and per cent)**

| Category                    | 1980  | 1990   | 2002   | Average growth<br>1980/90<br>1990/00 |      |
|-----------------------------|-------|--------|--------|--------------------------------------|------|
| 1. Population               | 987.0 | 1143.3 | 1284.5 | 1.5                                  | 1.0  |
| 2. Increase (per cent)      | 1.19  | 1.44   | 0.64   |                                      |      |
| 3. Labour force             | 423.6 | 639.1  | 737.4  | 3.0*                                 | 1.1  |
| 4. Urban formal employees   | 104.4 | 140.6  | 105.6  | 3.0                                  | 0.4  |
| 5. Labour force composition |       |        |        |                                      |      |
| 5A. Primary                 | 291.2 | 384.3  | 368.7  | 2.8                                  | -0.8 |
| 5B. Secondary               | 77.1  | 136.5  | 157.8  | 5.9                                  | 1.6  |
| 5C. Tertiary                | 55.3  | 118.3  | 210.9  | 7.9                                  | 5.2  |
| Shares (per cent)           |       |        |        |                                      |      |
| Participation rate          | 42.9  | 55.9   | 57.8** |                                      |      |
| Female workers#             | 35.3  | 37.6   | 37.8** |                                      |      |
| Primary                     | 68.7  | 60.1   | 50.0   |                                      |      |
| Secondary                   | 18.2  | 21.4   | 21.4   |                                      |      |
| Tertiary                    | 13.1  | 18.5   | 28.6   |                                      |      |

\*based on growth during the 1980/89 period. The series rises by an improbable figure of 87 million workers during that period, presumably reflecting adjustments based on the 1990 population census (see Labour 2000, p. 9).

\*\* figures for 2001

# proportion of female workers in units under state, urban collective, or "other" ownership. These figures exclude domestic private enterprises and self-employed individuals.

Sources: Except as noted, data for 1980 and 1990 from Rawski 1999. Data for 2002 are from Yearbook 2002, pp. 136; Survey 2003, pp. 38, 44; from Table 2 (RNI for 2000; urban formal employment). Data on female employment in 1980 and 1990 are from Labour 2000, p. 15 and Labour 1995, p. 26.

**Table 4**  
**Trends in formal employment, 1980-2000**  
**(million workers)**

| Year                     | State | Collective | Other | Urban private | Urban total | TVE   | Rural private | Rural total | Per cent annual increase |       |
|--------------------------|-------|------------|-------|---------------|-------------|-------|---------------|-------------|--------------------------|-------|
|                          |       |            |       |               |             |       |               |             | Total                    | Urban |
| 1980                     | 80.2  | 24.3       | 0.0   | 0.8           | 105.3       | 30.0  | 5.0*          | 140.3       |                          |       |
| 1985                     | 89.9  | 33.2       | 0.4   | 4.5           | 128.0       | 69.8  | 10.0*         | 207.8       |                          |       |
| 1990                     | 103.5 | 35.5       | 1.6   | 6.7           | 147.3       | 92.7  | 16.0          | 256.0       |                          |       |
| 1991                     | 106.6 | 36.3       | 2.2   | 7.6           | 152.7       | 96.1  | 17.3          | 266.1       | 3.7                      | 3.9   |
| 1992                     | 108.9 | 36.2       | 2.8   | 8.4           | 156.3       | 106.2 | 18.6          | 281.2       | 2.4                      | 5.7   |
| 1993                     | 109.2 | 33.9       | 5.4   | 11.2          | 159.7       | 123.5 | 22.0          | 305.1       | 2.1                      | 8.5   |
| 1994                     | 108.9 | 32.1       | 7.5   | 15.6          | 164.1       | 120.2 | 28.7          | 312.9       | 2.8                      | 2.6   |
| 1995                     | 109.6 | 30.8       | 8.8   | 20.5          | 169.5       | 128.6 | 35.3          | 333.4       | 3.3                      | 6.6   |
| 1996                     | 109.5 | 29.5       | 9.4   | 23.3          | 171.7       | 135.1 | 38.6          | 345.4       | 1.3                      | 3.6   |
| 1997                     | 107.7 | 28.2       | 10.9  | 26.7          | 173.4       | 91.6  | 41.2          | 306.2       | 1.0                      | -11.4 |
| 1998                     | 88.1  | 19.0       | 16.3  | 32.3          | 155.7       | 125.4 | 45.9          | 327.0       | -10.2                    | 6.8   |
| 1999                     | 83.4  | 16.5       | 17.9  | 34.7          | 152.4       | 127.0 | 48.0          | 327.4       | -2.1                     | 0.1   |
| 2000                     | 78.8  | 14.5       | 19.3  | 34.0          | 146.6       | 128.2 | 40.7          | 315.6       | -3.8                     | -3.6  |
| 2001                     | 74.1  | 12.4       | 21.4  | 36.6          | 144.5       | 130.9 | 38.2          | 313.5       | -1.4                     | -0.7  |
| Annual growth (per cent) |       |            |       |               |             |       |               |             |                          |       |
| 1980/90                  | 2.5   | 3.8        | n.a.  | 21.1          | 3.4         | 11.3  | 11.7          | 6.0         |                          |       |
| 1990/00                  | -2.7  | -9.0       | 24.7  | 16.3          | 0.0         | 3.2   | 9.3           | 2.1         |                          |       |

Sources:

Urban data: Yearbook 2002, pp. 128, 130, 132, 141; 2001, pp. 118, 120, 122, 131; Labour 2002, p. 20. TVE data: Labour 2002, p. 457. Rural private sector employment is the difference between national and urban totals see Yearbook 2002, pp. 120-121.

Notes: Urban and rural private sector employment includes both private enterprises and self-employed individuals.

\*author's guess.

Table 4A

Chinese Employment in Manufacturing and Industry, 1978-2002  
(Million workers)

| Year | Manufacturing | Mining | Utilities | Industry |
|------|---------------|--------|-----------|----------|
| 1978 | 35.95         | 6.52   | 1.07      | 43.54    |
| 1980 | 39.47         | 6.97   | 1.18      | 47.62    |
| 1985 | 46.20         | 7.95   | 1.42      | 55.57    |
| 1990 | 53.04         | 8.82   | 1.92      | 63.78    |
| 1991 | 54.43         | 9.05   | 2.03      | 65.51    |
| 1992 | 55.08         | 8.98   | 2.15      | 66.21    |
| 1993 | 54.69         | 9.25   | 2.32      | 66.26    |
| 1994 | 54.34         | 9.04   | 2.44      | 65.82    |
| 1995 | 54.39         | 9.14   | 2.57      | 66.10    |
| 1996 | 52.93         | 8.86   | 2.72      | 64.51    |
| 1997 | 50.83         | 8.51   | 2.82      | 62.16    |
| 1998 | 37.69         | 7.02   | 2.81      | 47.52    |
| 1999 | 34.96         | 6.50   | 2.83      | 44.29    |
| 2000 | 32.40         | 5.81   | 2.82      | 41.03    |
| 2001 | 30.10         | 5.44   | 2.84      | 38.38    |
| 2002 | 29.07         | 5.37   | 2.85      | 37.29    |

Source: for 1978-2000, Labor Yearbook 2001, p. 22.

for 2001-2002, Abstract 2003, p.  
45.

Note: beginning in 1998, figures show only workers "on the job" and omit workers "on furlough" (*xiagang*)

Note: these data exclude employment in township and village enterprises (TVEs)

Table 4B

Inside China's Growth and Jobs Machine:  
Value-added and Employment in Several Engineering Sectors

**Value added (Ymillion, current prices)**

|      | Pump | Blower | Valve | Separator | Vacuum | Total | Index |
|------|------|--------|-------|-----------|--------|-------|-------|
| 1996 | 1585 | 893    | 809   | 318       | 201    | 3806  | 100.0 |
| 1997 | 1762 | 927    | 900   | 282       | 204    | 4075  | 107.1 |
| 1998 | 1457 | 915    | 900   | 288       | 166    | 3726  | 97.9  |
| 1999 | 1482 | 902    | 838   | 268       | 234    | 3724  | 97.8  |
| 2000 | 1276 | 905    | 758   | 318       | 362    | 3619  | 95.1  |

**Employment**

|      | Pump   | Blower | Valve | Separator | Vacuum | Total  | Index |
|------|--------|--------|-------|-----------|--------|--------|-------|
| 1996 | 110456 | 52634  | 60994 | 24676     | 11108  | 259868 | 100.0 |
| 1997 | 110066 | 50246  | 58565 | 23900     | 14695  | 257472 | 99.1  |
| 1998 | 85812  | 47791  | 56428 | 23307     | 13828  | 227166 | 87.4  |
| 1999 | 76824  | 37881  | 50192 | 21576     | 11806  | 198279 | 76.3  |
| 2000 | 58600  | 32725  | 41274 | 18974     | 10812  | 162385 | 62.5  |

**Labor productivity (value added per worker, Y1,000s, current prices)**

|      | Pump | Blower | Valve | Separator | Vacuum | Total | Index |
|------|------|--------|-------|-----------|--------|-------|-------|
| 1996 | 14.3 | 17.0   | 13.3  | 12.9      | 18.1   | 14.6  | 100.0 |
| 1997 | 16.0 | 18.4   | 15.4  | 11.8      | 13.9   | 15.8  | 108.1 |
| 1998 | 17.0 | 19.2   | 15.9  | 12.4      | 12.0   | 16.4  | 112.0 |
| 1999 | 19.3 | 23.8   | 16.7  | 12.4      | 19.8   | 18.8  | 128.2 |
| 2000 | 21.8 | 27.6   | 18.4  | 16.8      | 33.5   | 22.3  | 152.2 |

Data for pumps in 2000 cover large and medium firms only

Source: Tongyong Yearbook 2002

Note: These figures cover firms belonging to various industry associations. Coverage may not be complete.

**Table 5**  
**Patterns of labour absorption, 1980-2000**  
**(million workers)**

|                                   | <b>1980/90</b> | <b>1990/95</b> | <b>1995/2000</b> |
|-----------------------------------|----------------|----------------|------------------|
| Labour force increment            | 215.5          | 40.4           | 32.0             |
| Formal sector labour absorption   |                |                |                  |
| Urban                             |                |                |                  |
| State-owned enterprises           | 23.3           | 6.1            | -30.7            |
| Urban collectives                 | 11.2           | -4.7           | -16.3            |
| Other ownership                   | 1.6            | 7.2            | 10.5             |
| Urban private                     | 5.9            | 13.8           | 13.5             |
| Rural                             |                |                |                  |
| Township-village enterprises      | 62.7           | 35.9           | -1.6             |
| Rural private                     | 11.0           | 19.3           | 5.4              |
| Formal sector total               | 115.7          | 77.6           | -19.2            |
| Of which:                         |                |                |                  |
| Urban                             | 42.0           | 22.4           | -23.0            |
| Rural                             | 73.7           | 55.2           | 3.8              |
| Informal sector*                  | 99.8           | -37.2          | 51.2             |
| Annual averages                   |                |                |                  |
| Labour force increment            | 21.6           | 8.1            | 6.4              |
| Formal sector labour absorption   | 11.6           | 15.5           | -3.8             |
| Informal sector labour absorption | 10.0           | -7.4           | 10.2             |

\*Residual, including unemployment and under-employment.

Source: Rawski 1999; Tables 2 and 4 above.

Table 6  
 Estimates of Numbers of Workers Furloughed, 1993-2001 (millions)

| Year | New Layoffs  | Cumulative Total of Layoffs |
|------|--------------|-----------------------------|
| 1993 | 3.00*        | 3.00*                       |
| 1994 | 0.60*        | 3.60*                       |
| 1995 | 2.04*        | 5.64*                       |
| 1996 | 2.26*        | 8.91*                       |
| 1997 | 4.0** – 5.1# | 11.51*; 14#                 |
| 1998 | 7.4+         | 16.0◆                       |
| 1999 | 7.8++        |                             |
| 2000 | 6.5◆◆        | 46◆◆◆                       |
| 2001 | 2.83##       |                             |
| 2002 |              | 30.14***                    |
| 2003 | 1.64•        |                             |

\*Taken or calculated from Ma Chunhui, *Gaige*, no. 6 (1999), p. 84.

\*\* “Measures...” CD 1-29-99, p. 4

# *Zhongguo 21 shiji jingji zouxiang*; essay by Yang Yixiong, p. 221

◆ Figure as of 1998 from documents provided by Zhang Wenkui xxx

◆◆ CDR 3.3, 7-2001, p. 26 – SOE layoffs only. [Jia Heping CBR June 26-July 2, 2001, p. 5 – gives 6.57 million for SOE only.]

+ Labor Yearbook 1999, p. 441; 76 percent of newly laid-off workers came from the state sector.

++ Labor Yearbook 2000, p. 409; 79 percent of newly laid-off workers came from the state sector.

◆◆◆ total layoffs by state (30 million) and collective (15 million) during 1996-2000 (Xu Lianzhong, 2002), p. 7.

## Labor Yearbook 2002, p. 109.

\*\*\* Cumulative layoffs by state enterprises between 1998 and the end of June 2002 (Chen and Wang 2003), p. 6.

• Urban job loss in the first half of 2003; see Zhou Tianyong (2003, p. 4).

**Table 7**  
**Official and alternate rates of urban unemployment**  
**(unemployment as percentage of registered urban population)**

| <b>Year</b> | <b>Number of registered unemployed (millions)</b> | <b>Official unemployment rate</b> | <b>Alternate unemployment rate</b> |
|-------------|---------------------------------------------------|-----------------------------------|------------------------------------|
| 1985        | 2.4                                               | 1.8                               | n.a.                               |
| 1990        | 3.8                                               | 2.5                               | n.a.                               |
| 1993        | 4.2                                               | 2.3                               | 3.3-3.7                            |
| 1994        | 4.8                                               | 2.6                               | 3.6-4.1                            |
| 1995        | 5.2                                               | 2.9                               | 4.0-4.7                            |
| 1996        | 5.5                                               | 3.0                               | 4.9-5.9                            |
| 1997        | 5.7                                               | 3.1                               | 5.6-6.9                            |
| 1998        | 5.9                                               | 3.1                               | 7-8                                |
| 1999        | 6.2                                               | 3.1                               | 8-9                                |
| 2000        |                                                   | 3.1                               | 8.3                                |
| 2001        |                                                   | 3.6                               |                                    |
| 2002        |                                                   | 4.0                               |                                    |

Sources: Registered unemployed from Labour 1987, p. 109; Labour 1991, p. 131; and Hu 1998, p. 106.

Official unemployment rate from Labour 1995, p. 8; Yearbook 1999, p. 133; Yearbook 2000, p. 33; Yearbook 2001, p. 33; Yearbook 2002, p. 33; [http://english.peopledaily.com.cn/200303/06/eng20030306\\_112799.shtml](http://english.peopledaily.com.cn/200303/06/eng20030306_112799.shtml), consulted 16 November 2003.

Alternate data for 1993-1999 are estimates of actual urban unemployment. In each case, the lower (higher) figure is calculated on the assumption that 60 per cent (or 40 per cent) of laid-off workers succeed in obtaining new employment. See Hu, 1998, p. 106. The alternate rate for 2000 is from Hu 2001, Appendix Table 2.

**Table 8**  
**Nominal and real wages for urban formal employees and TVE workers**

| Year | Nominal wages, annual figures |       |                            |       | TVE workers | Real wages, annual per cent increase |              |                            |       |
|------|-------------------------------|-------|----------------------------|-------|-------------|--------------------------------------|--------------|----------------------------|-------|
|      | All staff & workers           | State | Urban collective ownership | Other |             | All staff & workers                  | State sector | Urban collective ownership | Other |
| 1980 | 762                           | 803   | 623                        | n.a.  | 398         | 6.1                                  | 6.0          | 6.9                        | n.a.  |
| 1985 | 1148                          | 1213  | 967                        | 1436  |             | 5.3                                  | 4.8          | 6.6                        | 22.5  |
| 1990 | 2140                          | 2284  | 1681                       | 2987  | 676         | 9.2                                  | 9.7          | 6.6                        | 8.9   |
| 1991 | 2340                          | 2477  | 1866                       | 3468  |             | 4.0                                  | 3.2          | 5.5                        | 10.5  |
| 1992 | 2711                          | 2878  | 2109                       | 3966  |             | 6.7                                  | 7.0          | 1.6                        | 5.3   |
| 1993 | 3371                          | 3532  | 2592                       | 4966  |             | 7.1                                  | 5.7          | -2.1                       | 7.9   |
| 1994 | 4538                          | 4797  | 6245                       | 6303  |             | 7.7                                  | 8.7          | -6.1                       | 1.5   |
| 1995 | 5500                          | 5625  | 3931                       | 7463  | 3618        | 3.8                                  | 0.4          | 6.6                        | 1.4   |
| 1996 | 6210                          | 6280  | 4302                       | 8261  | 4195        | 3.8                                  | 2.6          | 5.6                        | 1.7   |
| 1997 | 6470                          | 6747  | 4512                       | 8789  |             | 1.1                                  | 4.2          | 4.1                        | 3.2   |
| 1998 | 7479                          | 7668  | 5331                       | 8972  |             | 7.2                                  | 6.7          | 5.9                        | -1.7  |
| 1999 | 8346                          | 8543  | 5774                       | 9829  | 5193        | 13.1                                 | 12.9         | 0.2                        | 11.0  |
| 2000 | 9371                          | 9552  | 6262                       | 10984 | 5507        | 11.4                                 | 10.9         | 3.7                        | 10.9  |
| 2001 | 10870                         | 11178 | 6867                       | 12140 |             | 15.2                                 | 16.2         | 8.9                        | 9.7   |
| 2002 | 12422                         | 12869 | 7667                       | 13212 |             | 15.5                                 | 16.3         | 12.7                       | 9.9   |

Sources: urban nominal and real wages: Yearbook 2001, p. 135; Abstract 2003, p.47.  
TVE nominal wages 1980-1986: Rawski 1999, p. 10.

TVE wages for 1999: "Influence of TVE Development on the Growth of Farm Incomes," Chinese-language document consulted 12 December 2001 at [http://www.agri.ac.cn/agri\\_net/02/2-11/0141.htm](http://www.agri.ac.cn/agri_net/02/2-11/0141.htm)

TVE wages for 2000: "Overview of TVE Development Under the 9<sup>th</sup> Five-Year Plan," Chinese-language document consulted 12 December 2001 at <http://www.cte.gov.cn/zw/tjxx/readxx.asp?idd=26>



**Table 9**  
**Changes in nominal wages for staff and workers (*zhigong*),**  
**October 1997 to October 1998**

|                            | <b>Per cent change</b> |                                   | <b>Per cent change</b> |
|----------------------------|------------------------|-----------------------------------|------------------------|
| Fourteen cities            |                        | Major economic sectors            |                        |
| Beijing                    | 4.0                    | Farming, fishing, forestry        | -19.6                  |
| Tianjin                    | 3.3                    | Extractive                        | 5.0                    |
| Shanghai                   | -1.7                   | Manufacturing                     | 1.8                    |
| Fuzhou                     | 10.2                   | Geology & water conservancy       | -22.1                  |
| Chongqing                  | 6.1                    | Transport & communication         | 5.1                    |
| Shenzhen                   | 5.4                    | Wholesale & retail trade          | 1.2                    |
| Xi'an                      | 8.7                    | Finance                           | 5.1                    |
| Chengdu                    | 4.1                    | Real Estate                       | 17.7                   |
| Harbin                     | 5.5                    | Education                         | 9.1                    |
| Jinan                      | -1.1                   | Science & technology              | 8.4                    |
| Wuxi                       | 5.9                    | Govt., party & social orgs.       | 7.8                    |
| Huangshi                   | 4.7                    |                                   |                        |
| Chinhuangdao               | 0.5                    | Manufacturing - selected branches |                        |
| Foshan                     | 1.7                    | Textiles                          | -3.7                   |
|                            |                        | Garments                          | -9.4                   |
| Education levels           |                        | Lumber processing                 | 7.7                    |
| Post-secondary education   | 6.3                    | Chemicals                         | 6.3                    |
| High school and equivalent | 3.3                    | Ferrous metallurgy                | -1.4                   |
| Middle school and below    | 1.9                    | Metal products                    | -3.5                   |
|                            |                        | Machinery                         | 2.5                    |
|                            |                        | Transport equipment               | 0.4                    |
|                            |                        | Electrical machinery              | 3.7                    |
|                            |                        | Electric power                    | 5.7                    |

Source: Chen Gang et al 1999, pp. 3, 42-46.

**Table 10**  
**Information on 1997 labour costs under different ownership groupings**  
**for selected manufacturing sectors in 14 large cities**

| Category                      | Labour cost per worker | Per yuan of labour cost |               |        | Labour share in total cost |
|-------------------------------|------------------------|-------------------------|---------------|--------|----------------------------|
|                               |                        | Value added             | Sales revenue | Profit |                            |
| Overall                       | 9645.3                 | 2.3                     | 9.0           | 0.2    | 12.5                       |
| State                         | 9264.0                 | 2.0                     | 7.7           | 0.1    | 14.5                       |
| Collective                    | 5890.8                 | 2.1                     | 8.4           | 0.0    | 12.5                       |
| Other                         | 14405.5                | 3.3                     | 13.3          | 0.6    | 8.5                        |
| Food-processing               | 7119.0                 | 2.9                     | 22.7          | 0.1    | 4.8                        |
| State                         | 6436.6                 | 1.9                     | 16.0          | -0.2   | 6.7                        |
| Collective                    | 5897.1                 | 3.4                     | 16.5          | 0.6    | 6.8                        |
| Other                         | 14111.7                | 6.6                     | 51.8          | 1.0    | 2.2                        |
| Garments                      | 7379.9                 | 2.1                     | 8.4           | 0.2    | 11.9                       |
| State                         | 6998.8                 | 2.1                     | 7.3           | 0.2    | 10.9                       |
| Collective                    | 6024.9                 | 1.5                     | 5.2           | 0.1    | 18.2                       |
| Other                         | 9170.5                 | 2.6                     | 11.3          | 0.3    | 10.0                       |
| Pharmaceutical                | 10100.0                | 2.5                     | 8.5           | 0.5    | 12.6                       |
| State                         | 9171.9                 | 2.3                     | 7.8           | 0.3    | 13.3                       |
| Collective                    | 8839.0                 | 1.9                     | 9.9           | 0.2    | 10.7                       |
| Other                         | 13819.0                | 3.1                     | 9.7           | 0.9    | 11.5                       |
| Plastics                      | 8612.1                 | 2.1                     | 9.5           | 0.1    | 11.4                       |
| State                         | 8772.9                 | 1.6                     | 6.9           | -0.1   | 15.0                       |
| Collective                    | 5702.1                 | 2.7                     | 8.8           | 0.0    | 11.0                       |
| Other                         | 11171.8                | 2.3                     | 12.1          | 0.3    | 9.6                        |
| Specialized equipment         | 10300.4                | 1.3                     | 5.5           | 0.0    | 19.5                       |
| State                         | 10208.7                | 1.1                     | 5.0           | 0.0    | 21.6                       |
| Collective                    | 6220.5                 | 1.8                     | 5.4           | 0.0    | 19.6                       |
| Other                         | 15933.1                | 1.7                     | 8.3           | 0.2    | 12.3                       |
| Transport equipment           | 11707.9                | 2.7                     | 8.9           | 0.2    | 12.3                       |
| State                         | 11497.5                | 1.7                     | 7.3           | 0.0    | 11.9                       |
| Collective                    | 5943.9                 | 2.2                     | 11.5          | 0.2    | 14.2                       |
| Other                         | 16951.0                | 7.2                     | 15.5          | 0.9    | 9.4                        |
| Electronics & telecom. equip. | 9507.5                 | 3.0                     | 15.3          | 0.6    | 9.0                        |
| State                         | 7433.0                 | 2.3                     | 12.8          | 0.1    | 13.8                       |

|            |         |     |      |      |      |
|------------|---------|-----|------|------|------|
| Collective | 7692.6  | 1.1 | 3.9  | -0.2 | 23.7 |
| Other      | 17863.2 | 4.3 | 20.9 | 1.6  | 5.6  |

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Source: Chen Gang et al 1999, pp. 76-78.

**Table 11**  
**Information on 1997 labour costs for manufacturing**  
**by region for 14 large cities**

|                      | <b>Labour<br/>cost per<br/>worker</b> | <b>Per yuan of labour cost</b> |                          |               | <b>Labour share<br/>in total<br/>cost</b> |
|----------------------|---------------------------------------|--------------------------------|--------------------------|---------------|-------------------------------------------|
|                      |                                       | <b>Value<br/>added</b>         | <b>Sales<br/>revenue</b> | <b>Profit</b> |                                           |
| Overall              | 9645.3                                | 2.3                            | 9                        | 0.2           | 12.5                                      |
| East                 | 11218.4                               | 2.4                            | 9.4                      | 0.3           | 11.4                                      |
| Central              | 7630.1                                | 2                              | 9.1                      | 0.1           | 15.3                                      |
| West                 | 6143.8                                | 1.8                            | 6.1                      | 0             | 18.1                                      |
| Garments             | 7379.9                                | 2.1                            | 8.4                      | 0.2           | 11.9                                      |
| East                 | 7926.9                                | 2                              | 8.2                      | 0.1           | 11.9                                      |
| Central              | 5914.3                                | 3                              | 10.6                     | 0.7           | 10.5                                      |
| West                 | 2657.6                                | 1.4                            | 5.1                      | -0.7          | 19.7                                      |
| Transport Equip.     | 13819                                 | 3.1                            | 9.7                      | 0.9           | 11.5                                      |
| East                 | 15443.4                               | 3.2                            | 10.3                     | 1             | 10.7                                      |
| Central              | 7161.2                                | 6.1                            | 12.6                     | 1.7           | 10.4                                      |
| West                 | 9317.2                                | 1.2                            | 3.2                      | 0.5           | 41.6                                      |
| Elect. Mach & Equip. | 11036.9                               | 2.8                            | 11.5                     | 0.2           | 11.2                                      |
| East                 | 12416                                 | 3                              | 12.2                     | 0.3           | 10.7                                      |
| Central              | 6617.9                                | 1.3                            | 4.9                      | -0.2          | 20.3                                      |
| West                 | 3291.8                                | 1.3                            | 5.3                      | -0.3          | 18.9                                      |

Source: Chen Gang et al 1999, pp. 121-123.

**Table 12**  
**Men's and women's wages, 14 large cities, October 1998**

| Sector                          | Monthly wages for |        | Index of women's wage<br>(men=100) |
|---------------------------------|-------------------|--------|------------------------------------|
|                                 | Men               | Women  |                                    |
| Overall                         | 953.9             | 805.2  | 84.4                               |
| Extractive                      | 562.5             | 422.4  | 75.1                               |
| Textiles                        | 616.2             | 633.2  | 102.8                              |
| Garments                        | 680.2             | 539.8  | 79.4                               |
| Paper                           | 1380.7            | 1134.4 | 82.2                               |
| Printing                        | 1213.5            | 820.0  | 67.6                               |
| Chemicals                       | 864.3             | 819.0  | 94.8                               |
| Ferrous metallurgy              | 1036.9            | 567.0  | 54.7                               |
| Metal products                  | 897.8             | 739.2  | 82.3                               |
| Machinery                       | 804.3             | 677.2  | 84.2                               |
| Electrical machinery            | 997.1             | 673.0  | 67.5                               |
| Electric power                  | 1579.4            | 832.6  | 52.7                               |
| Construction                    | 896.3             | 691.8  | 77.2                               |
| Post and telecommunications     | 1429.0            | 1085.2 | 75.9                               |
| Retail sales                    | 761.4             | 685.3  | 90.0                               |
| Food & drink                    | 1054.7            | 788.3  | 74.7                               |
| Finance                         | 1957.7            | 1332.4 | 68.1                               |
| Hotel                           | 1089.3            | 721.9  | 66.3                               |
| Health                          | 914.5             | 833.9  | 91.2                               |
| Education                       | 866.5             | 867.4  | 100.1                              |
| Summary data for sectoral wages |                   |        |                                    |
| Standard deviation              | 351.3             | 215.6  | 13.8                               |
| Coefficient of variation        | 0.4               | 0.3    | 0.2                                |

Source: Chen Gang et al 1999, pp. 48-53.

**Table 13**  
**Growth of real GDP per person, 1980-2000**  
**(1990 = 100)**

| <b>Year</b>                                  | <b>Index of real GDP per person</b> |
|----------------------------------------------|-------------------------------------|
| 1980                                         | 47.6                                |
| 1990                                         | 100.0                               |
| 1991                                         | 107.7                               |
| 1992                                         | 121.5                               |
| 1993                                         | 136.4                               |
| 1994                                         | 151.9                               |
| 1995                                         | 166.0                               |
| 1996                                         | 180.0                               |
| 1997                                         | 194.0                               |
| 1998                                         | 207.1*                              |
| 1999                                         | 219.9*                              |
| 2000                                         | 235.4*                              |
| 2001                                         | 251.1*                              |
| Average annual growth of real GDP per person |                                     |
| 1980-90                                      | 7.4                                 |
| 1990-97                                      | 9.5                                 |

\* Official estimates of GDP growth for these years are believed to contain large overstatements.

Source: Yearbook 2001, p. 52. I obtain the figure for 2001 by using the officially estimated 7.3 per cent real GDP growth for 2000/01 (Xu Binglan 2002, p. 1) and applying the rate of population growth reported for 1999/2000 (see Table 2).

**Table 14**  
**Output per man-year in Chinese industry**  
**(Gross value, thousands of yuan at 1990 prices)**

| Period                               | Gross output per man-year |
|--------------------------------------|---------------------------|
| A. State enterprises                 |                           |
| 1988                                 | 34.96                     |
| 1992                                 | 40.18                     |
| 1996                                 | 56.45                     |
| B. Collective enterprises            |                           |
| 1988                                 | 18.34                     |
| 1992                                 | 24.86                     |
| 1996                                 | 52.76                     |
| C. Enterprises under other ownership |                           |
| C1. Other domestic enterprises*      |                           |
| 1988                                 | 36.85                     |
| 1992                                 | 44.05                     |
| 1996                                 | 66.57                     |
| C2. Foreign-invested enterprises     |                           |
| 1988                                 | 83.97                     |
| 1992                                 | 86.55                     |
| 1996                                 | 124.53                    |
| C3. Shareholding enterprises         |                           |
| 1993                                 | 71.46                     |
| 1996                                 | 78.85                     |

\* category consists primarily of domestic private firms.

Source: Jefferson et al 2000, pp. 794-795.