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Gross Product, Employment and Hours Worked

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AUSTRALIAN NATIONAL ACCOUNTS
GROSS PRODUCT, EMPLOYMENT AND HOURS
WORKED

MARCH QUARTER 1989

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Australian Statistician

AUSTRALIAN BUREAU OF STATISTICS

CATALOGUE NO. 5222.0

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1 MAIN FEATURES



Tables 1 to 4 of this publication present estimates of constant price gross domestic product (GDP) per unit of labour input. Two alternative measures of labour input are used – number of persons employed and number of hours worked. From the graph above it can be seen that both measures are closely correlated. Two measures of GDP are also presented in these tables: industry-revalued and expenditure-revalued estimates (see paragraph 2 of Explanatory Notes).

Unless otherwise stated, the following comments relate to constant price estimates of industry-revalued GDP and its components.

In March quarter 1989 the trend estimate of GDP rose by 0.5 per cent. In seasonally adjusted terms it fell by 0.1 per cent. From March quarter 1988 to March quarter 1989 the trend estimate grew by 3.7 per cent. Labour productivity estimates continue to show very little change from the 1984-85 base year, with the trend estimate of GDP per hour worked declining by 0.1 per cent for the March

quarter 1989 and GDP per employed person declining by 0.9 per cent. The corresponding changes between March quarter 1988 and March quarter 1989 were +0.8 per cent and -0.5 per cent, respectively. Labour productivity indexes based on expenditure-revalued GDP are showing stronger growth from 1984-85, and have diverged further in the latest quarter. The trend estimate of GDP per hour worked increased by 0.6 per cent in the latest quarter and by 1.9 per cent from March quarter 1988. Relatively strong growth was recorded in March quarter 1989 for Agriculture, forestry, fishing and hunting, and Finance, property and business services industries with trend estimates increasing by 1.6 per cent and 1.7 per cent, respectively. The largest declines in trend estimates were recorded for Transport, storage and communication (down 1.7 per cent) and, Public administration and defence (down 0.8 per cent). The remaining industries were relatively stable with changes in trend estimates generally of 0.5 per cent or less.

EXPLANATORY NOTES

Introduction

This publication contains quarterly estimates of gross product at constant (average 1984-85) prices, classified by industry, and quarterly indexes of constant price gross domestic product per person employed and per hour worked. These estimates are published as part of an integrated system for the description and presentation of national accounting aggregate flows and stocks. The national income and expenditure estimates, the balance of payments estimates and the input-output tables form the other parts of the Australian system of national accounts. Estimates of gross product by industry at *current prices* are not included in this publication because of source data limitations.

Industry-revalued and expenditure-revalued estimates of gross domestic product

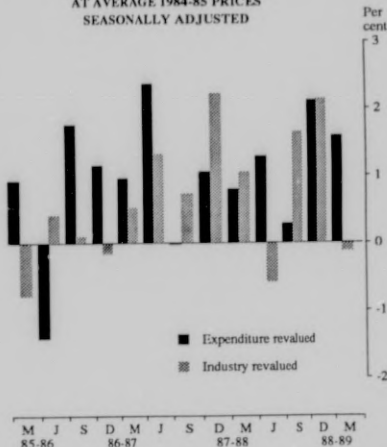
2. Gross domestic product (GDP) at constant prices can be estimated by either of the following methods:

- summing all final expenditures (plus exports less imports) at constant prices – the results are referred to as *expenditure-revalued estimates*, or
- summing the constant price gross product of each industry – the results are referred to as *industry-revalued estimates*.

The industry-revalued estimates are published quarterly and annually in *Australian National Accounts: Gross Product, Employment and Hours Worked* (5222.0 and 5211.0). Expenditure-revalued estimates are published quarterly and annually in *Australian National Accounts: National Income and Expenditure* (5206.0 and 5204.0). By convention, the expenditure-revalued estimates of GDP include the revalued statistical discrepancy (which makes them equivalent to the *income-based* estimates of GDP).

3. While the expenditure-revalued estimates and the industry-revalued estimates are conceptually equivalent, they differ in practice due mainly to the use of different data sources. As can be seen in the adjacent bar chart, the quarter-to-quarter movements of their seasonally adjusted estimates can differ quite markedly. Similar differences in short-term movements are also evident between the expenditure-revalued estimates including the statistical discrepancy (i.e. the income-based estimates) and the expenditure-revalued estimates excluding the statistical discrepancy (i.e. the expenditure-based estimates) published in 5206.0. The equivalent estimates produced in other countries exhibit differences of similar magnitude. Such differences highlight the need for caution in interpreting short-term movements. (To provide assistance in this regard, trend estimates are included in this publication.)

PERCENTAGE CHANGES IN GDP
AT AVERAGE 1984-85 PRICES
SEASONALLY ADJUSTED



4. Although the short-term movements of the expenditure-revalued and industry-revalued estimates can differ substantially, in the longer term they portray much the same picture, as can be seen from the following graph.

GDP AT AVERAGE 1984-85 PRICES
SEASONALLY ADJUSTED



Revisions in this issue

5. Constant price gross product estimates have been revised for all industries, following revisions to the current price estimates of industry gross product for the 1984-85 base year. The revised current price estimates were recently published in Table 15, *Australian National Accounts: National Income and Expenditure, 1987-88* (5204.0).

6. In addition, revisions have been made to specific industries as follows:

A significant revision has been made in this issue to the estimates for Finance, property and business services prior to June quarter 1979. Constant price gross product estimates for this industry are based on employment estimates. Self-employed and working proprietors were incorrectly excluded from the employment series used to derive constant price gross product estimates appearing in earlier issues of this publication.

An improvement in the methodology used to derive constant price estimates of gross product for Wholesale trade has resulted in revisions from September quarter 1987. From that quarter, constant price estimates of wholesale sales from a new survey are being used in place of manufacturers' sales as the primary indicator of constant price gross product for the Wholesale industry. However, additional caution should be exercised in interpreting short-term movements of constant price gross product estimates for Wholesale and retail trade for recent periods, because the seasonal factors used to seasonally adjust the new Wholesale trade estimates are somewhat tentative.

Constant price estimation of industry estimates

7. Industry gross product estimates measure the market value of goods and services produced (output) within each industry after the deduction of the cost of goods and services used up in the process of production (intermediate usage) but before deducting allowances for the consumption of fixed capital (depreciation). This measure of gross product is equivalent to summing the value of wages, salaries and supplements, gross operating surplus and net indirect taxes.

8. The ideal method of estimating industry gross product is by *Double Deflation*, i.e. constant price gross output less constant price intermediate input. In most instances, data limitations prohibit the use of the double deflation method of estimating gross product at constant prices. One alternative for deriving constant price gross product is to use the *Gross Output* method i.e. the gross product in the base year (1984-85) is extrapolated by constant price estimates of output. Most of the quarterly constant price gross product estimates contained in this publication have been derived by the *Gross Output* method. The assumption underlying this method is that

gross product at constant prices moves proportionally to the value of output at constant prices. For three industries (*Finance, property and business services, Public administration and defence and Community services*) and some components of other industries the estimates of gross product have been derived by extrapolating gross product in the base year by employment estimates.

9. The base year (1984-85) *current price* estimates of gross product for the industry divisions appearing in Tables 1-8 have mainly been derived using the income approach i.e. by summing factor incomes (wages, salaries and supplements and gross operating surplus) and net indirect taxes. While such estimates are produced for the manufacturing division in total, they are not compiled for the manufacturing subdivisions. Rather, the base year gross product estimates for the manufacturing subdivisions are derived using the production approach (i.e. gross output less intermediate inputs). The two approaches result in significantly different estimates of total manufacturing gross product in the base year (1984-85). As a result, the *constant price* estimates of manufacturing gross product based on the income approach estimate for 1984-85 differ from the *constant price* estimates of manufacturing gross product derived by summing the manufacturing subdivision estimates based on the production approach estimates for 1984-85. The two series of constant price estimates of total manufacturing gross product and the difference between them are presented in Tables 9 and 11.

Relationship between quarterly and annual industry estimates

10. Estimating for a period of less than one year presents special problems in that it is often difficult to adhere strictly to the definitions and concepts used in producing annual estimates. Frequently, it is not possible to refer to the same data sources as used for annual estimates, and alternative quarterly data sources are generally much less detailed and can have quite different movements. For example, annual estimates of gross product for the mining industry (as published in ABS Catalogue No. 5211.0) are compiled (using the double deflation method) from detailed output and input data from the annual census of mining establishments. On the other hand, the quarterly series draw on the quantities of minerals mined (gross output), reported in surveys of mining establishments. In such cases, where the quarterly data sources are inferior to the annual, the quarterly data are used to generate "profile" series with which the annual estimates are interpolated and extrapolated. This method is commonly referred to as *benchmarking*.

11. Analysis of short-term movements requires some allowance to be made for the difficulties involved in deriving the quarterly estimates. The likelihood of

revisions as more information becomes available and irregularities arising from sampling and other statistical errors should also be taken into account.

12. A brief summary comparing the quarterly and annual methodologies was set out in the appendix of the June quarter 1988 issue of this publication. A more detailed description will be contained in a forthcoming edition of *Australian National Accounts: Concepts, Sources and Methods* (\$216.0).

Employment and hours worked indexes

13. The indexes of constant price gross domestic product per person employed and per hour worked are also referred to as measures of single factor (labour) productivity. As indicated in EPAC Council Paper No. 15

"Productivity can be defined broadly as the ratio of the output of goods and services to inputs of factors of production. The term single factor productivity refers to value added per unit of labour input ...".

It should be noted that these indexes reflect not only the contribution of labour to changes in product per unit of labour, but also the contribution of capital and other factors of production (such as managerial efficiency, economies of scale, etc). The index of constant price gross product per person employed (or per hour worked) is derived by dividing an index of seasonally adjusted constant price gross product for all industries by an index of seasonally adjusted employment (or hours worked). All these indexes have a reference base of 1984-85 = 100.0. It is important to note that the method of using employment data to estimate the constant price gross product of certain industries (described in paragraph 8, above) assumes that there is no change in output per unit of labour input. Therefore, any aggregates which include these industries - such as gross domestic product - will not fully reflect changes in labour productivity.

14. The indexes of gross domestic product per person employed and hour worked appearing in this publication are presented only at the 'all industry' level. It is proposed to release more detailed data in a later issue of this publication.

15. The quarterly employment index used to derive the gross product per person employed index comprises all labour engaged in the production of goods and services and includes not only civilian wage and salary earners but also: employers; self-employed persons; persons working one hour or more without pay in a family business or on a farm; and members of the Australian defence forces.

16. In compiling total employment for the employment index, several sources are used:

- Wage and salary earners -
 - (i) Prior to September quarter 1979, *Civilian Employees, Australia: June 1966 to June 1979* (6214.0) - now discontinued
 - (ii) From September quarter 1979, *The Labour Force, Australia* (6203.0)
- Non-wage and salary earners - *The Labour Force, Australia* (6203.0)
- Enlisted service personnel - Department of Defence.

17. The quarterly hours worked index is derived from the monthly labour force survey estimates of total hours worked in the reference week. As labour force survey estimates exclude members of the Australian defence forces, these employees are assumed to work the same average hours per week as civilian employees. The hours worked index is formed by summing seasonally adjusted monthly hours worked (in the reference week) over each quarter, prior to indexing. The seasonal adjustment includes calendar corrections for the varying incidence of public holidays (associated with New Year's Day, Australia Day, Easter and some State holidays) with respect to the reference week.

Revisions

18. The estimates in this publication, in common with other national accounting estimates, are prepared from a wide range of statistical data, some of which are available without delay and some only after a lag of several quarters (or longer) from the period to which they relate. For this reason most estimates are subject to revision as more complete and more accurate information becomes available. Revisions are most likely to be of two main types:

- those made to the most recent quarters as firmer quarterly data come to hand; and
- those resulting from the rebenchmarking of quarterly estimates (described in paragraph 10, above) as revisions are made to annual estimates and more recent annual estimates become available.

Seasonal adjustment and trend estimation

19. Seasonal adjustment may be carried out by various methods and the results will vary slightly according to the procedure adopted. Accordingly,

¹ "Human Capital and Productivity Growth", Economic Planning Advisory Council Paper No. 15, Sydney 1986, page 37.

seasonally adjusted statistics should not be regarded as in any way definitive. In interpreting particular seasonally adjusted statistics it is important to bear in mind the methods by which they have been derived and the limitations to which the methods used are subject.

20. The general methods used in the ABS for making seasonal adjustments are described in *Seasonally Adjusted Indicators, Australia, 1983* (1308.0). Particular details of the seasonal adjustment of series contained in this publication are available on request.

21. The trend estimates are derived by applying a 5-term Henderson-weighted moving average to the seasonally adjusted series. The weighting pattern for the final three values of the series is of the form shown below, where 'N' is the last quarter for which a value in the seasonally adjusted series is available.

5-TERM HENDERSON

Trend-cycle value for quarter	Weight given to seasonally adjusted values in quarter				
	N-4	N-3	N-2	N-1	N
N	0	0	-.073	.403	.670
N-1	0	-.073	.294	.522	.257
N-2	-.073	.294	.558	.294	-.073

22. While this technique enables trend estimates for recent quarters to be produced, it does result in revisions to the estimates for the most recent two quarters as additional observations become available. There may also be revisions because of changes in the original data, and as a result of the re-estimation of the seasonal factors. Details of other trend-cycle weighting patterns are available on request.

Rounding

23. Although percentage changes are presented to one decimal place in this publication, this does not imply that they can be regarded as accurate to the last digit shown. The figures after the decimal point are shown to avoid distortions which may occur in rounding off the figures to the nearest half or whole number.

24. The procedures used in preparing this publication may occasionally result in rounding differences between figures in this publication and corresponding figures in other publications. Where figures have been rounded, discrepancies may occur between the sums of component items and totals.

Related publications

25. Users may also wish to refer to the following publications:

Australian National Accounts: National Income and Expenditure, Australia, (5206.0) – issued quarterly

Australian National Accounts: Gross Product, Employment and Hours Worked (5211.0) (previously known as Australian National Accounts: Gross Product by Industry) – issued annually

Australian National Accounts: Concepts, Sources and Methods (5216.0) – irregular

Australian National Accounts: Quarterly Data on Floppy Disk (5228.0) – issued quarterly

Constant Price Estimates of Manufacturing Production, Australia, 1984-85 (8211.0)

Quarterly Indexes of Manufacturing Production, Australia (8219.0) – issued quarterly

Manufacturing Establishments, Detail of Operations by Industry Class, Australia, 1984-85 (8203.0)

Census of Mining Establishments, Details of Operations by Industry Class, Australia, 1985-86 (8402.0)

Developments of Multifactor Productivity Estimates for Australia, 1974-75 to 1987-88, Information Paper (5229.0)

Symbols and other usage

n.a. not available
– nil or rounded to zero

Electronic services

VIATEL. Key *656# for selected current economic, social and demographic statistics.

AUSSTATS. Thousands of up-to-date time series are available on this ABS on-line service through CSIRONET.

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TABLE 1 : INDUSTRY-REVALUED ESTIMATES OF GROSS DOMESTIC PRODUCT AT AVERAGE 1984-85 PRICES,
LABOUR INPUT AND GDP PER UNIT OF LABOUR INPUT (A)
ANNUAL, AND QUARTERLY SEASONALLY ADJUSTED

		\$ million	Index numbers (Base : 1984-85 = 100.0)				
		Gross domestic product	Gross domestic product	Employment all industries	GDP per person employed	Hours worked all industries	GDP per hour worked
Original							
1974-75		161070	76.1	89.6	84.9	92.6	82.2
1975-76		164494	77.7	90.0	86.3	92.1	84.4
1976-77		170919	80.7	90.6	89.1	92.3	87.4
1977-78		173116	81.8	91.0	89.9	92.6	88.3
1978-79		180382	85.2	91.9	92.7	93.9	90.7
1979-80		184752	87.3	94.1	92.8	95.8	91.1
1980-81		191035	90.2	96.6	93.4	98.1	91.9
1981-82		198514	93.8	97.8	95.9	98.6	93.1
1982-83		191912	90.6	96.2	94.2	95.3	95.1
1983-84		200026	94.5	96.9	97.5	97.0	97.6
1984-85		211747	100.0	100.0	100.0	100.0	100.0
1985-86		222765	105.2	104.3	100.9	103.6	101.5
1986-87		245229	106.0	106.5	99.5	106.3	99.7
1987-88		233818	110.4	109.7	100.6	109.9	105.5
Seasonally adjusted							
1974-75	Sept.	40491	76.4	90.3	84.6	n.a.	n.a.
	Dec.	40635	76.7	89.9	85.3	n.a.	n.a.
	Mar.	39804	75.1	89.2	84.2	n.a.	n.a.
	June	40140	75.8	89.2	85.0	n.a.	n.a.
1975-76	Sept.	40629	76.7	90.0	85.2	n.a.	n.a.
	Dec.	41131	77.6	90.1	86.1	n.a.	n.a.
	Mar.	40970	77.3	90.3	85.6	n.a.	n.a.
	June	41791	78.9	90.2	87.5	n.a.	n.a.
1976-77	Sept.	42357	79.9	90.5	88.3	n.a.	n.a.
	Dec.	42642	80.5	90.8	88.7	n.a.	n.a.
	Mar.	42825	80.8	90.8	89.0	n.a.	n.a.
	June	43097	81.3	90.9	89.4	n.a.	n.a.
1977-78	Sept.	43041	81.2	91.4	88.8	n.a.	n.a.
	Dec.	43052	81.3	91.4	88.9	n.a.	n.a.
	Mar.	43154	81.4	90.9	89.5	n.a.	n.a.
	June	43908	82.9	90.8	91.3	91.7	90.4
1978-79	Sept.	44583	84.1	91.4	92.0	92.8	90.6
	Dec.	45102	85.1	91.7	92.8	93.2	91.3
	Mar.	45246	85.4	92.3	92.6	94.5	90.3
	June	45530	85.9	92.7	92.7	95.0	90.4
1979-80	Sept.	45758	86.4	92.9	93.0	94.9	91.0
	Dec.	46335	87.8	93.9	93.5	95.8	91.8
	Mar.	46105	87.0	94.6	92.0	96.8	89.9
	June	46398	87.5	95.1	92.0	96.1	91.1
1980-81	Sept.	47235	89.1	96.0	92.8	97.6	91.3
	Dec.	47763	90.1	96.3	93.6	98.1	91.8
	Mar.	47926	90.5	96.9	93.4	98.1	92.3
	June	48151	90.9	97.6	93.1	98.5	92.3
1981-82	Sept.	48961	92.4	97.9	94.4	98.6	93.7
	Dec.	49490	93.4	97.7	95.6	98.7	94.6
	Mar.	49939	94.3	98.2	96.0	99.0	95.3
	June	50186	94.7	97.8	96.8	98.2	96.4
1982-83	Sept.	49205	92.9	97.5	95.3	96.8	96.0
	Dec.	47895	90.4	96.6	91.6	96.0	94.4
	Mar.	47088	88.9	95.5	93.1	94.4	94.2
	June	47538	89.7	95.3	94.1	94.1	95.3
1983-84	Sept.	48903	92.3	95.7	96.4	95.3	96.9
	Dec.	49643	93.7	96.6	97.0	96.6	97.0
	Mar.	50400	95.1	97.4	97.6	97.2	97.8
	June	51139	96.5	98.6	97.9	98.7	97.8
1984-85	Sept.	51911	98.0	99.2	98.8	99.6	98.4
	Dec.	52365	98.8	99.5	99.3	99.4	99.4
	Mar.	53333	100.7	100.4	100.3	100.1	100.6
	June	54331	102.5	100.8	101.7	100.8	101.7
1985-86	Sept.	55316	104.4	102.4	102.0	101.4	103.0
	Dec.	56015	105.7	103.6	102.0	103.1	102.9
	Mar.	55581	104.9	102.8	100.1	103.6	99.9
	June	55818	105.3	106.3	99.1	104.5	101.0
1986-87	Sept.	55880	105.5	105.7	99.8	105.4	100.1
	Dec.	55796	105.3	106.2	99.2	105.9	99.4
	Mar.	56090	105.9	106.8	99.2	106.4	99.5
	June	56840	107.3	107.5	99.8	107.6	99.7
1987-88	Sept.	57259	108.1	108.3	99.8	108.2	99.9
	Dec.	58533	110.5	108.7	101.7	109.1	101.3
	Mar.	59153	111.6	110.6	100.9	111.7	99.9
	June	58812	111.0	111.4	99.6	110.9	100.1
1988-89	Sept.	59785	112.8	112.3	100.4	111.6	101.1
	Dec.	61071	115.3	113.3	101.8	113.8	101.3
	Mar.	60998	115.1	114.7	100.3	114.0	101.0

(a) Note that the estimates for some industries assume no change in gross product per unit of labour input (see paragraph 13 in the Explanatory Notes).

TABLE 2 : EXPENDITURE-REVALUED ESTIMATES OF GROSS DOMESTIC PRODUCT AT AVERAGE 1984-85 PRICES,
LABOUR INPUT AND GDP PER UNIT OF LABOUR INPUT (a)
ANNUAL, AND QUARTERLY SEASONALLY ADJUSTED

	\$ million	Index numbers (Base : 1984-85 = 100.0)				
	Gross domestic product (b)	Gross domestic product	Employment all industries	GDP per person employed	Hours worked all industries	GDP per hour worked
<i>Original</i>						
1974-75	162188	76.7	89.6	85.6	92.6	82.8
1975-76	146010	78.4	90.0	87.1	92.1	85.1
1976-77	170417	80.6	90.6	88.9	90.3	87.2
1977-78	172016	81.2	91.0	89.2	92.6	87.7
1978-79	180313	85.2	91.9	92.7	93.9	90.7
1979-80	183927	86.9	94.1	92.3	95.8	90.7
1980-81	189532	89.5	96.6	92.7	98.1	91.2
1981-82	193681	91.5	97.8	94.6	98.6	92.8
1982-83	191529	90.5	96.2	94.1	95.3	95.0
1983-84	201226	95.0	96.9	98.0	97.0	97.9
1984-85	211747	100.0	100.0	100.0	100.0	100.0
1985-86	221600	104.7	104.3	100.4	103.6	101.1
1986-87	227966	107.7	106.5	101.1	106.3	101.3
<i>Seasonally adjusted</i>						
1974-75 : Sept.	40054	75.5	85.3	83.6	n.a.	n.a.
Dec.	40666	76.7	89.9	85.3	n.a.	n.a.
Mar.	40461	76.3	89.2	85.5	n.a.	n.a.
June	41469	78.2	89.2	87.7	n.a.	n.a.
1975-76 : Sept.	40844	77.0	90.0	85.6	n.a.	n.a.
Dec.	40780	76.9	90.1	85.3	n.a.	n.a.
Mar.	41762	78.8	90.3	87.3	n.a.	n.a.
June	42341	79.8	90.2	88.5	n.a.	n.a.
1976-77 : Sept.	42422	80.0	90.5	88.4	n.a.	n.a.
Dec.	42573	80.3	90.8	88.4	n.a.	n.a.
Mar.	42529	80.2	90.8	88.3	n.a.	n.a.
June	42993	81.1	90.9	89.2	n.a.	n.a.
1977-78 : Sept.	42759	80.6	91.4	88.2	n.a.	n.a.
Dec.	42407	80.0	91.4	87.3	n.a.	n.a.
Mar.	43077	81.2	90.9	89.3	n.a.	n.a.
June	43717	82.4	90.8	90.7	91.7	89.9
1978-79 : Sept.	44702	84.3	91.4	92.2	92.8	90.8
Dec.	44980	84.8	91.7	92.5	93.2	91.0
Mar.	45715	86.2	92.3	93.4	94.6	91.1
June	45209	85.3	92.7	92.0	95.0	89.8
1979-80 : Sept.	45308	85.4	92.9	91.9	94.9	90.0
Dec.	46263	87.2	93.9	92.9	95.6	91.2
Mar.	45995	86.7	94.6	91.6	96.8	89.6
June	46457	87.6	95.1	92.1	96.1	91.2
1980-81 : Sept.	46368	87.4	96.0	91.0	97.6	89.5
Dec.	47528	89.6	96.6	93.0	98.3	91.3
Mar.	47560	89.7	96.9	92.6	98.1	91.4
June	48238	91.0	97.6	93.2	98.5	92.4
1981-82 : Sept.	48507	91.5	97.9	93.5	98.6	92.8
Dec.	48365	91.2	97.7	93.3	98.7	92.4
Mar.	48296	91.1	98.2	92.8	99.0	92.0
June	48387	91.3	97.8	93.4	98.2	93.0
1982-83 : Sept.	48216	90.9	97.5	93.2	96.8	91.9
Dec.	47875	90.3	96.6	93.5	96.0	94.1
Mar.	47815	90.2	95.5	94.5	94.4	95.6
June	47502	89.6	95.3	94.0	94.1	95.2
1983-84 : Sept.	48891	92.2	95.7	96.3	95.3	96.7
Dec.	49508	93.4	96.6	96.7	96.6	96.7
Mar.	51137	94.4	97.4	99.0	97.2	99.2
June	51741	97.6	98.6	99.0	98.7	98.9
1984-85 : Sept.	51966	98.0	99.2	98.8	99.6	98.4
Dec.	52653	99.3	99.5	99.8	99.4	99.9
Mar.	52989	99.9	100.4	99.5	100.1	99.8
June	54497	102.8	100.8	102.0	100.8	102.0
1985-86 : Sept.	55973	105.6	102.4	103.1	101.4	104.1
Dec.	55218	105.1	103.6	100.5	103.1	101.0
Mar.	55734	105.1	104.8	100.3	102.6	99.5
June	54953	103.6	106.3	97.5	104.3	99.3
1986-87 : Sept.	55929	105.5	105.7	99.8	105.4	100.1
Dec.	56578	106.7	106.2	100.5	105.9	100.8
Mar.	57127	107.7	106.8	100.8	106.4	101.2
June	58482	110.3	107.5	102.6	107.6	102.5
1987-88 : Sept.	58472	110.3	108.3	101.8	108.2	101.9
Dec.	59097	111.4	108.7	102.5	108.7	102.5
Mar.	59574	112.3	110.6	101.5	111.7	100.5
June	60341	113.8	111.4	102.2	110.9	102.6
1988-89 : Sept.	60514	114.1	112.3	101.6	111.6	102.2
Dec.	61800	116.5	113.3	102.8	113.8	102.4
Mar.	62786	118.4	114.7	103.2	114.0	103.9

(a) Note that the estimates for the government consumption component of expenditure on Gross Domestic Product largely assume no change per unit of labour input. (b) This series (which includes the Statistical Discrepancy) is published in Table 8 of Australian National Accounts : National Income and Expenditure (5206.0).

TABLE 3 : INDUSTRY-REVALUED ESTIMATES OF GROSS DOMESTIC PRODUCT AT AVERAGE 1984-85 PRICES,
LABOUR INPUT AND GDP PER UNIT OF LABOUR INPUT (a)
QUARTERLY TREND ESTIMATES

		\$ million	Index numbers (Base : 1984-85 = 100.0)				
		Gross domestic product	Gross domestic product	Employment all industries	GDP per person employed	Hours worked all industries	GDP per hour worked
1974-75 :	Sept.	40588	76.6	90.2	84.9	n.a.	n.a.
	Dec.	40396	76.2	89.8	84.9	n.a.	n.a.
	Mar.	40037	75.6	89.3	84.7	n.a.	n.a.
	June	40074	75.6	89.3	84.7	n.a.	n.a.
1975-76 :	Sept.	40667	76.8	89.8	85.5	n.a.	n.a.
	Dec.	40961	77.3	90.2	85.7	n.a.	n.a.
	Mar.	41182	77.7	90.2	86.1	n.a.	n.a.
	June	41701	78.7	90.3	87.2	n.a.	n.a.
1976-77 :	Sept.	42341	79.9	90.5	88.3	n.a.	n.a.
	Dec.	42643	80.5	90.7	88.8	n.a.	n.a.
	Mar.	42872	80.9	90.8	89.1	n.a.	n.a.
	June	43037	81.2	91.0	89.2	n.a.	n.a.
1977-78 :	Sept.	43067	81.3	91.3	89.0	n.a.	n.a.
	Dec.	43013	81.2	91.3	88.9	n.a.	n.a.
	Mar.	43249	81.6	90.9	89.8	n.a.	n.a.
	June	43861	82.8	90.9	91.1	92.0	90.0
1978-79 :	Sept.	44592	84.2	91.3	92.2	92.5	91.0
	Dec.	45047	85.0	91.8	92.6	93.5	90.9
	Mar.	45299	85.5	92.3	92.6	94.4	90.6
	June	45474	85.8	92.6	92.7	94.9	90.4
1979-80 :	Sept.	45931	86.7	93.1	93.1	95.0	91.3
	Dec.	46266	87.3	93.8	93.1	95.8	91.1
	Mar.	46248	87.3	94.6	92.3	96.3	90.7
	June	46425	87.6	95.2	92.0	96.6	90.7
1980-81 :	Sept.	47165	89.0	95.9	92.8	97.3	91.5
	Dec.	47729	90.1	96.4	93.5	98.1	91.8
	Mar.	47921	90.4	96.9	93.3	98.2	92.1
	June	48249	91.1	97.6	93.3	98.4	92.6
1981-82 :	Sept.	48889	92.3	97.8	94.4	98.6	93.6
	Dec.	49510	93.4	97.9	95.4	98.8	94.5
	Mar.	50007	94.4	98.0	96.3	98.9	95.4
	June	50045	94.4	97.9	96.4	98.1	96.2
1982-83 :	Sept.	49209	92.9	97.4	95.4	97.0	95.8
	Dec.	47901	90.4	96.5	93.7	95.7	94.5
	Mar.	47170	89.0	95.6	93.1	94.5	94.2
	June	47624	89.9	95.3	94.3	94.2	95.4
1983-84 :	Sept.	48744	92.0	95.7	96.1	95.3	96.5
	Dec.	49691	93.8	96.5	97.2	96.4	97.3
	Mar.	50396	95.1	97.5	97.5	97.4	97.6
	June	51168	96.6	98.5	98.1	98.6	98.0
1984-85 :	Sept.	51825	97.8	99.2	98.6	99.4	98.4
	Dec.	52463	99.0	99.6	99.4	99.6	99.4
	Mar.	53301	100.6	100.2	100.4	100.0	100.6
	June	54347	102.6	101.0	101.6	100.7	101.9
1985-86 :	Sept.	55359	104.5	102.3	102.2	101.5	103.0
	Dec.	55821	105.4	103.6	101.7	103.4	101.9
	Mar.	55778	105.3	105.0	100.3	104.8	100.5
	June	55753	105.2	105.9	99.3	105.0	100.2
1986-87 :	Sept.	55845	105.4	106.0	99.4	105.1	100.3
	Dec.	55830	105.4	106.1	99.3	105.9	99.5
	Mar.	56154	106.0	106.8	99.3	106.5	99.5
	June	56696	107.0	107.5	99.5	107.4	99.6
1987-88 :	Sept.	57455	108.4	108.1	100.3	108.2	100.2
	Dec.	58446	110.3	109.0	101.2	109.6	100.6
	Mar.	58965	111.3	110.3	110.9	111.0	100.3
	June	59052	111.5	111.5	100.0	111.3	100.2
1988-89 :	Sept.	59835	112.9	112.3	100.5	111.9	100.9
	Dec.	60834	114.8	113.3	101.3	113.4	101.2
	Mar.	61124	115.4	114.9	100.4	114.1	101.1

(a) Note that the estimates for some industries assume no change in gross product per unit of labour input (see paragraph 13 in the Explanatory Notes).

TABLE 4 : EXPENDITURE-REVALUED ESTIMATES OF GROSS DOMESTIC PRODUCT AT AVERAGE 1984-85 PRICES,
LABOUR INPUT AND GDP PER UNIT OF LABOUR INPUT (a)
QUARTERLY TREND ESTIMATES

		\$ million	Index numbers (Base : 1984-85 = 100.0)				
		Gross domestic product	Gross domestic product	Employment all industries	GDP per person employed	Hours worked all industries	GDP per hour worked
1974-75	Sept.	40271	75.9	90.2	84.1	n.a.	n.a.
	Dec.	40390	76.1	89.8	84.7	n.a.	n.a.
	Mar.	40819	76.9	89.3	86.1	n.a.	n.a.
	June	41099	77.4	89.3	86.7	n.a.	n.a.
1975-76	Sept.	40970	77.2	89.8	86.0	n.a.	n.a.
	Dec.	40922	77.1	90.2	85.5	n.a.	n.a.
	Mar.	41663	78.5	90.2	87.0	n.a.	n.a.
	June	42292	79.7	90.3	88.3	n.a.	n.a.
1976-77	Sept.	42483	80.0	90.5	88.4	n.a.	n.a.
	Dec.	42502	80.1	90.7	88.3	n.a.	n.a.
	Mar.	42669	80.4	90.8	88.5	n.a.	n.a.
	June	42862	80.7	91.0	88.7	n.a.	n.a.
1977-78	Sept.	42718	80.5	91.3	88.2	n.a.	n.a.
	Dec.	42568	80.2	91.3	87.8	n.a.	n.a.
	Mar.	42972	81.0	90.9	89.1	n.a.	n.a.
	June	43822	82.6	90.9	90.9	92.0	89.8
1978-79	Sept.	44539	83.9	91.3	91.9	92.5	90.7
	Dec.	45190	85.1	91.8	92.7	93.5	91.0
	Mar.	45455	85.6	92.3	92.7	94.4	90.7
	June	45326	85.4	92.6	92.2	94.9	90.0
1979-80	Sept.	45479	85.7	93.1	92.1	95.0	90.2
	Dec.	45967	86.6	93.8	92.3	95.8	90.4
	Mar.	46233	87.1	94.6	92.1	96.3	90.4
	June	46231	87.1	95.2	91.5	96.6	90.2
1980-81	Sept.	46675	87.9	95.9	91.7	97.3	90.3
	Dec.	47223	89.0	96.4	92.3	98.1	90.7
	Mar.	47768	90.0	96.9	92.9	98.2	91.6
	June	48161	90.7	97.6	92.9	98.4	92.2
1981-82	Sept.	48471	91.3	97.8	93.4	98.6	92.6
	Dec.	48394	91.2	97.9	93.2	98.8	92.3
	Mar.	48333	91.1	98.0	93.0	98.9	92.1
	June	48349	91.1	97.9	93.1	98.1	92.9
1982-83	Sept.	48190	90.8	97.4	93.2	97.0	93.6
	Dec.	47947	90.3	96.5	93.6	95.7	94.4
	Mar.	47632	89.7	95.6	93.8	94.5	94.9
	June	47827	90.1	95.3	94.5	94.2	95.6
1983-84	Sept.	48578	91.5	95.7	95.6	95.3	96.0
	Dec.	49789	93.8	96.5	97.2	96.4	97.3
	Mar.	50940	96.0	97.5	98.5	97.4	98.6
	June	51727	97.4	98.5	98.9	98.6	98.8
1984-85	Sept.	52087	98.1	99.2	98.9	99.4	98.7
	Dec.	52482	98.9	99.6	99.3	99.6	99.3
	Mar.	53189	100.2	100.2	100.0	100.0	100.2
	June	54570	102.8	101.0	101.8	100.7	102.1
1985-86	Sept.	55554	104.7	102.3	102.3	101.5	103.2
	Dec.	55664	104.9	103.6	101.3	103.4	101.5
	Mar.	55321	104.2	105.0	99.2	104.8	99.4
	June	55330	104.2	105.9	98.4	105.0	99.2
1986-87	Sept.	55759	105.0	106.0	99.1	105.1	99.9
	Dec.	56528	106.5	106.1	100.4	105.9	100.6
	Mar.	57353	108.0	106.8	101.1	106.5	101.4
	June	58176	109.6	107.5	102.0	107.4	102.0
1987-88	Sept.	58676	110.5	108.1	102.2	108.2	102.1
	Dec.	59007	111.2	109.0	102.0	109.6	101.5
	Mar.	59671	112.4	110.3	101.9	111.0	101.3
	June	60151	113.3	111.5	101.6	111.3	101.8
1988-89	Sept.	60743	114.4	112.3	101.9	111.9	102.2
	Dec.	61783	116.4	113.3	102.7	113.4	102.6
	Mar.	62555	117.8	114.9	102.5	114.1	103.2

(a) Note that the estimates for the government consumption component of expenditure on Gross Domestic Product largely assume no change per unit of labour input. (b) This series (which includes the Statistical Discrepancy) is published in Table 8 of Australian National Accounts : National Income and Expenditure (\$206.0).

TABLE 5 : GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY - SEASONALLY ADJUSTED (\$ million)

Industry	ASIC Divn.	Quarters ended													
		1985-86				1986-87				1987-88				1988-89	
		Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.
Agriculture, forestry, fishing and hunting	A	2344	2356	2364	2431	2454	2469	2498	2402	2415	2526	2318	2413	2474	2547
Mining	B	4026	4108	3962	3854	3888	4001	3859	3637	4007	3814	3692	3873	4085	3916
Manufacturing	C	9978	9714	9659	9656	9642	9700	9848	10049	10251	10533	10200	10404	10842	10745
Electricity, gas and water	D	1972	2051	2054	2031	2042	2072	2098	2118	2163	2166	2149	2173	2281	2187
Construction	E	3940	3755	3957	3919	3769	3812	3828	3898	4058	4122	4220	4316	4397	4374
Wholesale and retail trade	F	8937	8671	8697	8768	8611	8505	8638	8860	9160	9220	9208	9447	9691	9744
Transport, storage and communication	G,H	4138	4019	4141	4137	4174	4244	4287	4415	4441	4563	4560	4729	4752	4578
Finance, property and business services	I	5536	5636	5708	5817	5925	5897	6157	6272	6325	6451	6537	6504	6576	6793
Public administration and defence	J	2329	2339	2382	2364	2368	2386	2410	2423	2406	2429	2430	2407	2418	2362
Community services	K	6622	6682	6656	6762	6748	6803	6959	6925	6971	6973	7115	7087	7083	7194
Recreation, personal and other services	L	2183	2206	2210	2181	2183	2217	2230	2279	2283	2296	2337	2402	2341	2387
Ownership of dwellings		4672	4701	4725	4752	4776	4800	4824	4846	4871	4894	4919	4946	4975	5010
Import duties		763	748	723	689	683	672	714	691	737	758	762	825	964	1042
Less: Imputed bank service charge		1425	1405	1420	1431	1467	1488	1510	1556	1555	1592	1635	1741	1808	1881
Gross Domestic Product		56015	55581	55818	55880	55796	56090	56840	57259	58533	59153	58812	59785	61071	60998

TABLE 6 : PERCENTAGE CHANGES IN GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY - SEASONALLY ADJUSTED

Industry	ASIC Divn.	Change from preceding quarter													Mar. Qtr 1988 to Mar. Qtr 1989
		1985-86				1986-87				1987-88				1988-89	
		Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	
Agriculture, forestry, fishing and hunting	A	0.5	0.3	2.8	0.9	0.6	1.2	-3.8	0.5	4.6	-8.2	4.1	2.5	3.0	0.8
Mining	B	2.0	-3.6	-2.7	0.9	2.9	-3.5	-5.8	10.2	-4.8	-3.2	4.9	5.5	-4.1	2.7
Manufacturing	C	-2.6	-0.6	-	-0.1	0.6	1.5	2.0	2.0	2.8	-3.2	2.0	4.2	-0.9	2.0
Electricity, gas and water	D	4.0	0.1	-1.1	0.5	1.5	1.3	1.0	2.1	0.1	-0.8	1.1	5.0	-4.1	1.0
Construction	E	-4.7	5.4	-1.0	-3.8	1.1	0.4	1.8	4.1	1.6	2.4	2.3	1.9	-0.5	6.1
Wholesale and retail trade	F	-3.0	0.3	0.8	-1.8	-1.2	1.6	2.6	3.4	0.7	-0.1	2.6	2.6	0.5	5.7
Transport, storage and communication	G,H	-2.9	3.0	-0.1	0.9	1.7	1.0	3.0	0.6	2.7	-0.1	3.7	0.5	-3.7	0.3
Finance, property and business services	I	1.8	1.3	1.9	1.9	-0.5	4.4	1.9	0.8	2.0	1.3	-0.5	1.1	3.3	5.3
Public administration and defence	J	0.4	1.8	-0.8	0.2	0.8	1.0	0.5	-0.7	1.0	-	-0.9	0.5	-2.3	-2.8
Community services	K	0.9	-0.4	0.8	0.5	0.8	2.3	-0.5	0.7	-	2.0	-0.4	-0.1	1.6	3.2
Recreation, personal and other services	L	1.1	0.2	-1.3	0.1	1.6	0.6	2.2	0.2	0.6	1.8	2.8	-2.5	2.0	4.0
Ownership of dwellings		0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	2.4
Import duties		-2.0	-3.3	-4.7	-0.9	-1.6	6.2	-3.2	6.7	2.8	0.5	8.3	16.8	8.1	37.5
Imputed bank service charge		-1.4	1.1	0.8	2.5	1.4	1.5	3.0	-0.1	2.4	2.7	6.5	3.8	4.0	18.2
Gross Domestic Product		-0.8	0.4	0.1	-0.2	0.5	1.3	0.7	2.2	1.1	-0.6	1.7	2.2	-0.1	3.1

TABLE 7 : GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY - TREND ESTIMATES (\$ million)

Industry	ASIC Divn.	Quarters ended													
		1985-86				1986-87				1987-88				1988-89	
		Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.
Agriculture, forestry, fishing and hunting	A	2335	2349	2376	2421	2455	2481	2471	2420	2445	2450	2388	2385	2486	2527
Mining	B	4139	4048	3974	3866	3908	3964	3823	3771	3876	3844	3729	3883	4008	3987
Manufacturing	C	9863	9782	9652	9645	9704	9849	10039	10308	10337	10438	10736			10809
Electricity, gas and water	D	1990	2037	2053	2037	2043	2070	2096	2125	2156	2163	2150	2197	2235	2226
Construction	E	3880	3848	3902	3906	3808	3790	3831	3914	4035	4134	4218	4322	4380	4388
Wholesale and retail trade	F	8855	8740	8699	8727	8618	8530	8628	8883	9124	9209	9250	9443	9668	9744
Transport, storage and communication	G,H	4081	4083	4102	4150	4178	4231	4309	4387	4472	4525	4605	4709	4715	4637
Finance, property and business services	I	5511	5637	5716	5824	5884	5960	6119	6268	6343	6449	6515	6518	6613	6721
Public administration and defence	J	2328	2348	2369	2371	2368	2387	2410	2416	2416	2425	2426	2419	2399	2381
Community services	K	6631	6663	6676	6702	6745	6830	6918	6954	6948	7009	7078	7095	7110	7157
Recreation, personal and other services	L	2175	2208	2204	2186	2187	2209	2240	2269	2286	2298	2348	2374	2371	2367
Ownership of dwellings		4672	4701	4725	4752	4776	4880	4824	4846	4871	4894	4919	4946	4975	4975
Import duties		777	745	720	694	676	685	695	708	730	753	836	836	958	1026
Less: Imputed bank service charge		1416	1411	1415	1436	1463	1487	1517	1545	1564	1585	1647	1730	1820	1862
Gross Domestic Product		55821	55778	55753	55845	55830	56154	56696	57455	58446	58965	59052	59835	60834	61124

TABLE 8 : PERCENTAGE CHANGES IN GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY - TREND ESTIMATES

Industry	ASIC Divn.	Change from preceding quarter												Mar. Qtr 1988	
		1985-86				1986-87				1987-88				1988-89	
		Mar.		June		Sept.		Dec.		Mar.		June		Sept.	
		Mar.		June		Sept.		Dec.		Mar.		June		Sept.	
Agriculture, forestry, fishing and hunting	A	0.6	1.1	1.9	1.4	1.1	-0.4	-2.1	1.0	0.2	-2.5	-0.1	4.2	1.6	3.1
Mining	B	-2.2	-1.8	-2.7	1.1	1.4	-3.6	-1.4	2.8	-0.8	-3.0	4.1	3.2	-0.5	3.0
Manufacturing	C	-0.8	-1.3	-0.1	-	0.6	1.5	1.9	2.7	0.9	-0.9	1.3	2.9	0.7	4.0
Electricity, gas and water	D	2.4	0.8	-0.8	0.3	1.3	1.3	1.4	1.5	0.3	-0.6	2.2	1.7	-0.4	2.9
Construction	E	-0.8	1.4	0.1	-2.5	-0.5	1.1	2.2	3.1	2.5	2.0	2.5	1.3	0.2	6.1
Wholesale and retail trade	F	-1.3	-0.5	0.3	-1.2	-1.0	1.1	3.0	2.7	0.9	0.4	2.1	2.4	0.8	5.8
Transport, storage and communication	G,H	-	0.5	1.2	0.7	1.3	1.8	1.8	1.9	1.2	1.8	2.3	0.1	-1.7	2.5
Business services	I	2.3	1.4	1.9	1.0	1.3	2.7	2.4	1.2	1.7	1.0	-	1.5	1.7	4.3
Public administration and defence	J	0.9	0.9	0.1	-0.1	0.8	1.0	0.2	-	0.4	-	-0.3	-0.8	-0.8	-1.8
Community services	K	0.5	0.2	0.4	0.6	1.3	1.3	0.5	-0.1	0.9	1.0	0.2	0.2	0.7	2.1
Recreation, personal and other services	L	1.5	-0.2	-0.8	-	1.0	1.4	1.3	0.7	0.5	2.2	1.1	-0.1	-0.2	3.0
Ownership of dwellings		0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	2.4
Import duties		-4.1	-3.4	-3.6	-2.6	-3	1.5	1.9	3.1	3.2	1.7	9.1	14.6	7.1	36.3
Imputed bank service charge		-0.4	0.3	1.5	1.9	1.6	2.0	1.8	1.2	1.3	3.9	5.0	5.2	2.3	17.5
Gross Domestic Product		-0.1	-	0.2	-	0.6	1.0	1.3	1.7	0.9	0.1	1.3	1.7	0.5	3.5

TABLE 9 : MANUFACTURING INDUSTRY GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY SUBDIVISION - SEASONALLY ADJUSTED

(\$ million)

Industry	ASIC Sub- Divn.	Quarters ended											
		1985-86			1986-87			1987-88			1988-89		
		Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.
Food, beverages and tobacco	21	1768	1790	1793	1802	1841	1806	1833	1888	1944	1974	1872	1911
Textiles	23	261	232	270	245	220	204	212	250	269	291	264	259
Clothing and footwear	24	347	351	356	333	377	383	336	334	336	324	331	354
Wood, wood products and furniture	25	523	524	508	477	501	513	515	523	520	488	514	494
Paper, etc, printing and publishing	26	1008	967	922	944	992	1000	1030	1053	1048	1122	1027	1104
Chemicals, petroleum & coal products	27	735	754	751	799	843	824	890	905	898	924	922	932
Non-metallic mineral products	28	474	473	452	443	467	442	458	455	482	528	452	517
Basic metal products	29	978	991	899	934	935	971	978	962	999	1016	1017	1017
Fabricated metal products	31	668	659	675	667	664	662	686	741	790	815	802	833
Transport equipment	32	918	843	798	815	672	724	705	712	742	744	754	742
Other machinery and equipment	33	1056	974	983	985	943	985	932	936	908	965	967	925
Miscellaneous manufacturing	34	516	449	549	509	485	480	556	558	569	575	535	559
Total (production approach)		9252	9007	8956	8953	8940	8994	9131	9317	9505	9766	9457	9647
Difference (a)		726	707	703	703	702	706	717	732	746	767	743	757
Total (income approach)		9978	9714	9659	9656	9642	9700	9848	10049	10251	10533	10200	10404

(a) For an explanation of the difference between the production and income approaches to the estimation of Gross Product see paragraph 9 of the Explanatory Notes.

TABLE 10 : PERCENTAGE CHANGES IN MANUFACTURING INDUSTRY GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY SUBDIVISION - SEASONALLY ADJUSTED

Industry	ASIC Sub- Divn.	Change from preceding quarter											
		1985-86			1986-87			1987-88			1988-89		
		Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.
Food, beverages and tobacco	21	1.2	0.2	0.5	2.2	-1.9	1.5	3.0	3.0	1.5	-5.2	2.1	5.7
Textiles	23	-11.1	16.4	-9.3	-10.2	-7.3	3.9	17.9	7.6	8.2	-9.3	-1.9	19.7
Clothing and footwear	24	1.2	1.4	-6.5	13.2	1.6	-12.3	-0.6	0.6	-3.6	2.2	6.9	-2.3
Wood, wood products and furniture	25	0.2	-3.1	-6.1	5.0	2.4	0.4	1.6	-0.6	-6.2	5.3	-3.9	6.7
Paper, etc, printing and publishing	26	-4.1	-4.7	2.4	5.1	0.8	3.0	2.2	-0.5	7.1	-8.5	7.5	1.9
Chemicals, petroleum & coal products	27	2.6	-0.4	6.4	5.5	-2.3	8.0	1.7	-0.8	2.9	-0.2	1.1	-3.2
Non-metallic mineral products	28	-0.2	-4.4	-2.0	5.4	-5.4	3.6	-0.7	5.9	9.5	-14.4	14.4	-0.6
Basic metal products	29	1.3	-9.3	3.9	0.1	3.9	0.7	-1.6	3.8	1.7	0.1	-	4.0
Fabricated metal products	31	-1.3	2.4	-1.2	-0.4	-0.3	3.6	8.0	6.6	3.2	-1.6	3.9	-3.4
Transport equipment	32	-8.2	-5.3	2.1	-17.5	7.7	-2.6	1.0	4.2	0.3	1.3	-1.6	12.0
Other machinery and equipment	33	-7.8	0.9	0.2	-4.3	4.5	-5.4	0.4	-3.0	6.3	0.2	-4.3	10.4
Miscellaneous manufacturing	34	-13.0	22.3	-7.3	-4.7	-1.0	15.8	0.4	2.0	1.1	-7.0	4.5	6.4
Total manufacturing		-2.6	-0.6	-	-0.1	0.6	1.5	2.0	2.0	2.7	-3.2	2.0	4.2

TABLE 11 : MANUFACTURING INDUSTRY GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY SUBDIVISION - TREND ESTIMATES

(\$ million)

Industry	ASIC Sub- Divn.	Quarters ended											
		1985-86			1986-87			1987-88			1988-89		
		Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.
Food, beverages and tobacco	21	1774	1785	1793	1811	1823	1818	1832	1888	1950	1946	1897	1922
Textiles	23	232	254	256	249	220	205	216	245	274	282	267	272
Clothing and footwear	24	352	351	347	348	370	375	346	332	332	327	334	350
Wood, wood products and furniture	25	535	520	503	487	496	512	517	523	512	502	499	506
Paper, etc, printing and publishing	26	1000	965	930	946	983	1007	1029	1044	1074	1079	1069	1086
Chemicals, petroleum & coal products	27	738	747	760	799	828	845	878	903	907	917	929	921
Non-metallic mineral products	28	483	467	453	451	454	453	450	459	492	498	487	497
Basic metal products	29	986	967	928	917	945	966	973	973	993	1015	1015	1019
Fabricated metal products	31	681	662	669	669	662	663	689	740	790	808	816	816
Transport equipment	32	892	851	817	773	718	697	712	716	736	749	743	769
Other machinery and equipment	33	994	1006	979	973	966	961	950	921	927	954	954	960
Miscellaneous manufacturing	34	478	494	515	520	481	496	539	565	571	564	547	561
Total (production approach)		9145	9069	8950	8943	8946	8998	9131	9309	9558	9641	9557	9679
Difference (a)		718	713	702	702	701	706	718	730	750	756	750	759
Total (income approach)		9863	9782	9652	9645	9647	9704	9849	10039	10308	10397	10307	10438

(a) For an explanation of the difference between the production and income approaches to the estimation of Gross Product see paragraph 9 of the Explanatory Notes.

TABLE 12 : PERCENTAGE CHANGES IN MANUFACTURING INDUSTRY GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY SUBDIVISION - TREND ESTIMATES

Industry	ASIC Sub- Divn.	Change from preceding quarter											
		1985-86			1986-87			1987-88			1988-89		
		Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.
Food, beverages and tobacco	21	0.6	0.4	1.0	0.7	-0.3	0.8	3.1	3.3	-0.2	-2.5	1.3	3.4
Textiles	23	9.5	0.8	-2.7	-11.6	-6.8	5.4	13.4	11.8	2.9	-5.3	1.9	6.6
Clothing and footwear	24	-0.3	-1.1	0.3	6.3	1.4	-7.7	-4.0	-	-1.5	2.1	4.8	-2.3
Wood, wood products and furniture	25	-2.8	-3.3	-3.2	1.8	3.2	1.0	1.2	-2.1	-2.0	-0.6	1.4	3.8
Paper, etc, printing and publishing	26	-3.5	-3.6	1.7	3.9	2.4	2.2	1.5	2.9	0.5	-0.9	1.6	3.2
Chemicals, petroleum & coal products	27	1.2	1.7	5.1	3.6	2.1	3.9	2.8	0.4	1.1	1.3	-0.9	-0.5
Non-metallic mineral products	28	-3.3	-3.0	-0.4	0.7	-0.2	-0.7	2.0	7.2	1.2	2.2	2.1	4.2
Basic metal products	29	-1.9	-4.0	-1.2	3.1	2.2	0.7	-	2.1	2.2	-	0.4	5.5
Fabricated metal products	31	-2.8	1.1	-	-1.0	0.2	3.9	7.4	6.8	2.3	1.0	-	1.2
Transport equipment	32	-4.6	-4.0	-5.4	-7.1	-2.9	2.2	0.6	2.8	1.8	-0.8	3.5	3.5
Other machinery and equipment	33	1.2	-2.7	-0.6	-0.7	-0.5	-1.1	-3.1	0.7	2.9	-	0.6	2.1
Miscellaneous manufacturing	34	3.3	4.3	1.0	-7.5	3.1	8.7	4.8	1.1	-1.2	-3.0	2.6	3.4
Total manufacturing		-0.8	-1.3	-0.1	-	0.6	1.5	1.9	2.7	0.9	-0.9	1.3	2.9

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TABLE 13 : GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY (\$ million)

	Agriculture, forestry, fishing and hunting	Mining	Manufacturing	Electricity, gas and water	Construction	Wholesale and retail trade	Transport, storage and communication	Finance, property and business services
1974-75	7244	10654	33358	4905	12073	28562	10457	14431
1975-76	7832	10379	32999	5096	12730	28399	10300	14543
1976-77	8051	11102	33817	5463	13051	29301	11080	14832
1977-78	7770	11342	33667	5541	12998	28877	12219	15011
1978-79	9479	11591	35086	5770	13354	29318	12732	15493
1979-80	8344	11200	36607	6195	13641	30538	13192	16316
1980-81	7454	11307	37363	6483	14645	31418	14276	17697
1981-82	8627	10954	38283	6858	15269	32833	14697	18499
1982-83	6740	11475	35119	6943	13636	31418	14369	18663
1983-84	9585	12565	35659	7204	13527	32135	14666	18983
1984-85	9690	14196	37498	7564	14702	34045	15426	20451
1985-86	9393	16372	39040	8032	15570	35122	16296	22209
1986-87	9831	15594	38846	8239	15275	34532	16842	23796
1987-88	9675	15146	41011	8593	16244	36589	17915	25585
1974-75 : Sept.	1185	2557	9014	1259	2921	7127	2821	3422
Dec.	3061	2768	8673	1202	3208	7432	2619	3587
Mar.	2053	2630	7834	1204	2724	6883	2382	3602
June	745	2699	7837	1240	3220	7120	2575	3620
1975-76 : Sept.	1472	2461	8181	1267	3096	7079	2667	3612
Dec.	3457	2648	8435	1247	3343	7347	2853	3609
Mar.	1801	2560	8062	1273	2814	6822	2389	3652
June	1102	2710	8321	1309	3477	7151	2592	3670
1976-77 : Sept.	1663	2871	8590	1399	3241	7318	2737	3674
Dec.	3043	2706	8959	1353	3460	7939	2846	3700
Mar.	2215	2699	7810	1341	3057	6885	2708	3723
June	1130	2826	8458	1370	3649	7159	2789	3735
1977-78 : Sept.	1810	2978	8517	1438	3196	7188	3058	3744
Dec.	3271	2843	8818	1379	3286	7652	3154	3733
Mar.	1607	2673	7792	1333	3004	6705	2964	3747
June	1082	2848	8540	1391	3512	7132	3201	3787
1978-79 : Sept.	1670	2941	8808	1473	3156	7242	3316	3784
Dec.	3720	2950	9172	1392	3448	7765	3321	3807
Mar.	3014	2796	8235	1433	3099	6955	2982	3910
June	1075	2904	8671	1472	3653	7356	3115	3992
1979-80 : Sept.	1561	3007	9447	1588	3318	7513	3237	3981
Dec.	3988	2996	9571	1521	3491	8138	3452	4019
Mar.	1765	2559	8551	1530	3138	7310	3098	4087
June	1030	2638	9038	1556	3693	7577	3253	4219
1980-81 : Sept.	1619	2867	9471	1652	3611	7806	3428	4201
Dec.	3317	2879	9866	1600	3820	8312	3673	4374
Mar.	1495	2799	8717	1586	3390	7437	3401	4521
June	1023	2762	9309	1645	3824	7863	3572	4601
1981-82 : Sept.	1496	2672	9810	1765	3783	8090	3683	4562
Dec.	4316	2758	10099	1659	3982	8664	3742	4492
Mar.	1487	2572	8827	1681	3578	7867	3559	4723
June	1128	2952	9547	1753	3915	8212	3713	4712
1982-83 : Sept.	1714	2939	9665	1827	3579	8096	3681	4788
Dec.	2911	2886	9014	1714	3560	8503	3675	4618
Mar.	1271	2731	7760	1667	3024	7281	3490	4564
June	844	2919	8680	1735	3473	7538	3523	4693
1983-84 : Sept.	1603	3093	8993	1839	3150	7840	3569	4687
Dec.	4619	3057	9237	1764	3504	8467	3708	4736
Mar.	2265	3110	8370	1768	3083	7464	3467	4740
June	1098	3305	9059	1833	3820	8084	3722	4820
1984-85 : Sept.	1594	3528	9570	1951	3424	8316	3872	4947
Dec.	4821	3504	9559	1856	3824	8925	3984	5058
Mar.	1820	3358	8746	1857	3416	8192	3743	5167
June	1455	3806	9623	1900	4036	8612	3827	5279
1985-86 : Sept.	1723	4425	10031	2041	3784	8779	4011	5329
Dec.	4564	4076	10369	1933	3948	9489	4281	5536
Mar.	1720	3980	9011	2013	3451	8251	3893	5636
June	1386	3891	9629	2045	4236	8603	4109	5708
1986-87 : Sept.	1770	3997	9996	2114	3801	8718	4152	5817
Dec.	4613	3934	10020	2000	3902	9183	4332	5925
Mar.	2131	3883	9031	2035	3491	8093	4107	5897
June	1517	3780	9790	2090	4081	8538	4251	6157
1987-88 : Sept.	1891	3777	10390	2208	3822	8811	4426	6272
Dec.	4354	4073	10403	2120	4257	9850	4614	6325
Mar.	1854	3707	9813	2126	3787	8800	4413	6451
June	1574	3609	10138	2139	4418	9128	4520	6537
1988-89 : Sept.	1798	4026	10758	2265	4266	9410	4741	6504
Dec.	4612	4131	11277	2235	4534	10445	4846	6576
Mar.	1823	3808	10082	2145	4042	9265	4423	6793

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TABLE 13 (continued) : GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY (\$ million)

	Public administration and defence	Community services	Recreation, personal and other services	Ownership of dwellings	Import duties	less: Imputed bank service charge	Gross domestic product
1974-75	7167	16540	7026	12140	1824	5311	381070
1975-76	7549	18180	7124	12678	1723	5038	164494
1976-77	7565	18885	7189	13328	1967	5048	170919
1977-78	7691	19850	7211	14079	1821	4921	173116
1978-79	7790	20482	7296	14823	2108	4965	180382
1979-80	7763	20976	7413	15604	2020	5057	184752
1980-81	8115	21466	7642	16449	2341	5621	191035
1981-82	8241	22198	7897	17130	2635	5607	198514
1982-83	8333	23153	7983	17517	2266	5583	191912
1983-84	8886	24482	8145	17883	2436	6170	200026
1984-85	9209	25412	8383	18286	2927	6042	213747
1985-86	9379	26522	8726	18740	3045	5681	222745
1986-87	9528	27222	8810	19152	2757	5895	224529
1987-88	9689	27983	9193	19530	2944	6338	233818
1974-75 : Sept.	1745	4005	1713	2981	564	1349	40165
Dec.	1763	4046	1803	3021	498	1321	42420
Mar.	1798	4155	1759	3054	368	1338	39138
June	1861	4334	1751	3084	374	1315	39347
1975-76 : Sept.	1890	4441	1759	3120	413	1270	40188
Dec.	1892	4491	1820	3153	422	1247	43270
Mar.	1886	4575	1802	3185	442	1260	40002
June	1881	4673	1743	3220	446	1261	41034
1976-77 : Sept.	1889	4676	1770	3262	486	1265	42311
Dec.	1882	4669	1851	3309	498	1261	44955
Mar.	1890	4715	1803	3356	511	1276	41437
June	1904	4825	1765	3401	471	1268	42216
1977-78 : Sept.	1917	4882	1771	3449	470	1241	43177
Dec.	1916	4916	1859	3497	437	1226	45535
Mar.	1925	4978	1802	3544	454	1229	41301
June	1933	5074	1779	3589	460	1225	43103
1978-79 : Sept.	1943	5127	1817	3634	536	1220	44225
Dec.	1939	5122	1879	3682	550	1223	47524
Mar.	1948	5105	1832	3729	498	1244	44248
June	1940	5128	1768	3778	524	1253	44343
1979-80 : Sept.	1926	5245	1785	3824	471	1238	45665
Dec.	1910	5328	1894	3875	537	1217	49653
Mar.	1932	5191	1890	3927	531	1291	44223
June	1995	5212	1844	3978	481	1305	45211
1980-81 : Sept.	2001	5395	1884	4029	564	1324	47404
Dec.	2036	5366	1959	4083	600	1383	50504
Mar.	2039	5331	1906	4142	599	1446	45957
June	2038	5374	1893	4195	578	1468	47210
1981-82 : Sept.	2100	5502	1951	4252	668	1432	48902
Dec.	2047	5582	2025	4267	643	1322	52944
Mar.	2057	5497	1989	4293	670	1423	47588
June	2037	5617	1932	4318	654	1430	49060
1982-83 : Sept.	2033	5808	1954	4344	652	1376	49705
Dec.	2082	5828	2043	4370	703	1451	52981
Mar.	2089	5701	1965	4393	515	1386	45045
June	2109	5815	1921	4410	544	1443	46761
1983-84 : Sept.	2183	6100	1987	4434	600	1526	48552
Dec.	2204	6163	2113	4458	591	1510	53093
Mar.	2227	6032	2052	4484	604	1512	46574
June	2270	6197	1993	4507	647	1547	49807
1984-85 : Sept.	2292	6391	2036	4532	769	1513	51709
Dec.	2301	6368	2129	4559	703	1486	52627
Mar.	2293	6224	2139	4584	754	1530	50763
June	2323	6429	2079	4611	701	1513	53169
1985-86 : Sept.	2329	6612	2097	4642	845	1432	50278
Dec.	2329	6701	2240	4672	778	1409	19659
Mar.	2339	6518	2217	4701	728	1414	51044
June	2382	6631	2152	4725	694	1426	54785
1986-87 : Sept.	2364	6821	2151	4752	720	1432	55741
Dec.	2368	6832	2258	4776	499	1451	52902
Mar.	2386	6628	2229	4800	603	1497	53867
June	2410	6941	2172	4824	685	1519	55721
1987-88 : Sept.	2423	7033	2249	4846	721	1558	57921
Dec.	2406	7041	2359	4871	756	1538	62112
Mar.	2429	6780	2309	4894	734	1602	56517
June	2430	7099	2276	4919	731	1640	57678
1988-89 : Sept.	2407	7195	2371	4946	860	1744	59803
Dec.	2418	7177	2418	4975	993	1789	64948
Mar.	2362	7003	2401	5010	1011	1893	58275

HISTORICAL TABLES

TABLE 14 : GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY, SEASONALLY ADJUSTED (\$ million)

	Agriculture, forestry, fishing and hunting	Mining	Manufacturing	Electricity, gas and water	Construction	Wholesale and retail trade	Transport, storage and communication	Finance, property and business services
1974-75 : Sept.	1588	2515	9002	1217	3011	7155	2739	1522
Dec.	1901	2707	8667	1216	3045	7162	2606	1581
Mar.	1861	2740	7838	1217	3066	7115	2505	1602
June	1912	2699	7853	1252	2946	7130	2595	1620
1975-76 : Sept.	1889	2417	8219	1226	3228	7108	2591	1612
Dec.	1907	2590	8464	1263	3183	7070	2581	1609
Mar.	1847	2668	8059	1292	3125	7052	2510	1652
June	2090	2712	8261	1321	3206	7167	2613	1670
1976-77 : Sept.	1990	2816	8387	1349	3324	7354	2661	1674
Dec.	1925	2648	8507	1372	3352	7497	2765	1700
Mar.	2049	2814	8416	1363	3348	7235	2863	1723
June	2079	2829	8515	1381	3371	7207	2818	1735
1977-78 : Sept.	1973	2917	8512	1381	3285	7228	2975	1744
Dec.	1979	2784	8366	1400	3187	7222	3062	1733
Mar.	1934	2787	8387	1364	3281	7031	3112	1747
June	1890	2852	8600	1399	3264	7185	3243	1787
1978-79 : Sept.	2377	2876	8590	1408	3243	7277	3224	1784
Dec.	2515	2893	8707	1418	3346	7338	3222	1807
Mar.	2398	2915	8875	1466	3371	7289	3159	1910
June	2238	2913	8936	1481	3405	7405	3159	1992
1979-80 : Sept.	2083	2932	9193	1520	3405	7518	3156	1981
Dec.	2126	2942	9099	1546	3488	7693	3503	4019
Mar.	2012	2668	9231	1565	3404	7678	3219	4097
June	2103	2650	9099	1565	3463	7645	3287	4219
1980-81 : Sept.	1942	2787	9194	1583	3682	7810	3545	4201
Dec.	1867	2833	9394	1625	3701	7955	3580	4374
Mar.	1794	2916	9426	1626	3669	7802	3528	4521
June	1849	2778	9355	1649	3620	7944	3612	4601
1981-82 : Sept.	2096	2594	9694	1689	3870	8081	3612	4562
Dec.	2167	2716	9636	1688	3858	8186	3647	4492
Mar.	2223	2676	9569	1728	3888	8266	3679	4733
June	2167	2974	9578	1758	3685	8293	3749	4712
1982-83 : Sept.	1756	2851	9342	1751	3672	8092	3628	4788
Dec.	1673	2843	8615	1740	3439	8042	3579	4618
Mar.	1624	2836	8456	1712	3295	7660	3600	4564
June	1583	2948	8698	1736	3218	7619	3552	4693
1983-84 : Sept.	2469	2996	8689	1762	3239	7853	3530	4687
Dec.	2431	3015	8857	1796	3380	7981	3604	4736
Mar.	2323	3221	9066	1815	3358	8130	3779	4740
June	2397	3348	9070	1837	3549	8166	3750	4820
1984-85 : Sept.	2357	3413	9241	1868	3521	8325	3844	4947
Dec.	2409	3457	9184	1892	3695	8411	3861	5058
Mar.	2514	3472	9454	1897	3733	8611	3857	5167
June	2573	3867	9639	1905	3753	8698	3859	5279
1985-86 : Sept.	2363	4273	9686	1957	3878	8804	3993	5329
Dec.	2364	4026	9978	1972	3940	8937	4138	5536
Mar.	2356	4108	9714	2051	3755	8671	4019	5636
June	2364	3962	9659	2054	3957	8697	4141	5708
1986-87 : Sept.	2431	3854	9656	2031	3919	8768	4137	5817
Dec.	2454	3888	9642	2042	3769	8611	4174	5925
Mar.	2469	4001	9700	2072	3812	8505	4244	5897
June	2498	3859	9848	2098	3828	8638	4287	6157
1987-88 : Sept.	2402	3637	10049	2118	3898	8860	4415	6272
Dec.	2415	4007	10251	2163	4058	9160	4441	6325
Mar.	2526	3814	10533	2166	4122	9220	4543	6453
June	2318	3692	10200	2149	4220	9208	4560	6537
1988-89 : Sept.	2413	3873	10404	2173	4316	9447	4729	6504
Dec.	2474	4085	10842	2281	4397	9691	4752	6576
Mar.	2547	3916	10745	2187	4374	9744	4578	6793

HISTORICAL TABLES

TABLE 14 (continued) : GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY, SEASONALLY ADJUSTED (\$ million)

	Public administration and defence	Community services	Recreation, personnel and other services	Ownership of dwellings	Import duties	less: imputed bank service charge	Gross domestic product
1974-75 : Sept.	1745	3990	1736	2981	544	1354	40491
Dec.	1763	4061	1743	3021	490	1334	40635
Mar.	1758	4175	1762	3054	390	1319	39804
June	1861	4313	1786	3084	393	1304	40140
1975-76 : Sept.	1890	4426	1783	3120	399	1275	40629
Dec.	1892	4505	1759	3153	415	1260	41131
Mar.	1886	4597	1804	3185	444	1251	40970
June	1881	4655	1778	3220	469	1252	41791
1976-77 : Sept.	1889	4658	1794	3262	469	1270	42357
Dec.	1882	4678	1790	3309	491	1274	42642
Mar.	1890	4739	1803	3356	513	1267	42825
June	1904	4815	1803	3401	496	1257	43097
1977-78 : Sept.	1917	4859	1794	3449	453	1246	43041
Dec.	1916	4916	1799	3497	430	1239	43052
Mar.	1925	5007	1800	3544	456	1221	43154
June	1933	5078	1819	3589	484	1215	43908
1978-79 : Sept.	1943	5096	1840	3634	516	1225	44583
Dec.	1939	5109	1819	3682	543	1236	45102
Mar.	1948	5142	1828	3729	501	1235	45246
June	1960	5146	1810	3778	550	1243	45530
1979-80 : Sept.	1926	5205	1806	3824	452	1243	45758
Dec.	1910	5300	1834	3875	530	1230	46535
Mar.	1932	5240	1885	3927	535	1286	46105
June	1995	5244	1890	3978	505	1295	46358
1980-81 : Sept.	2001	5344	1906	4029	540	1329	47235
Dec.	2036	5324	1896	4083	594	1399	47763
Mar.	2039	5395	1900	4142	604	1436	47926
June	2039	5415	1942	4195	608	1456	48151
1981-82 : Sept.	2100	5437	1974	4252	637	1437	48961
Dec.	2047	5529	1958	4267	636	1437	49490
Mar.	2057	5580	1983	4293	678	1414	49939
June	2037	5664	1983	4318	687	1419	50186
1982-83 : Sept.	2033	5729	1978	4344	621	1380	49205
Dec.	2082	5766	1973	4370	549	1394	47895
Mar.	2089	5804	1959	4393	523	1377	47088
June	2109	5863	1972	4410	570	1433	47538
1983-84 : Sept.	2183	6004	2014	4434	572	1529	48903
Dec.	2206	6096	2040	4458	583	1548	49643
Mar.	2227	6157	2045	4484	617	1562	50400
June	2270	6241	2046	4507	670	1532	51139
1984-85 : Sept.	2292	6286	2066	4532	733	1514	51911
Dec.	2301	6295	2055	4559	691	1503	52365
Mar.	2293	6369	2130	4584	772	1520	53333
June	2323	6464	2135	4611	731	1506	54331
1985-86 : Sept.	2329	6560	2127	4642	807	1432	55316
Dec.	2329	6622	2183	4672	763	1425	56015
Mar.	2339	6682	2206	4701	748	1405	55581
June	2382	6656	2210	4725	723	1420	55818
1986-87 : Sept.	2364	6712	2181	4752	689	1431	55880
Dec.	2368	6748	2193	4776	683	1467	55794
Mar.	2386	6803	2217	4800	672	1486	56090
June	2410	6959	2230	4824	714	1510	56840
1987-88 : Sept.	2423	6925	2279	4846	691	1556	57259
Dec.	2406	6971	2283	4871	737	1555	58533
Mar.	2429	6973	2296	4894	758	1592	59153
June	2430	7115	2337	4919	762	1635	58812
1988-89 : Sept.	2407	7087	2402	4946	825	1741	59785
Dec.	2418	7083	2341	4975	944	1808	61071
Mar.	2362	7194	2387	5010	1042	1881	60998

HISTORICAL TABLES

TABLE 15 : MANUFACTURING INDUSTRY GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY SUBDIVISION (\$ million)

	Food, beverages and tobacco	Textiles	Clothing and footwear	Wood, wood products and furniture	Paper, etc., printing and publishing	Chemicals, petroleum and coal products	Non-metallic mineral products
1976-77	6448	742	1252	1925	2854	2243	1628
1977-78	6468	720	1245	1857	2928	2329	1570
1978-79	6813	769	1315	1922	3081	2452	1612
1979-80	6886	788	1354	1983	3287	2518	1720
1980-81	6963	784	1381	2055	3370	2511	1763
1981-82	6991	800	1375	2087	3457	2596	1804
1982-83	6956	738	1287	1843	3274	2521	1551
1983-84	6938	770	1386	1935	3415	2614	1562
1984-85	7023	848	1433	2030	3718	2682	1689
1985-86	7126	947	1422	2113	3895	2958	1901
1986-87	7283	886	1424	2003	3964	3354	1811
1987-88	7679	1068	1527	2050	4244	3648	1913
1976-77 : Sept.	1578	188	347	513	707	537	445
Dec.	1708	204	345	518	753	580	436
Mar.	1552	164	277	434	676	539	365
June	1610	186	283	460	718	587	382
1977-78 : Sept.	1652	188	334	470	768	561	391
Dec.	1788	190	301	499	787	601	429
Mar.	1629	159	280	395	676	569	364
June	1619	183	330	493	717	598	386
1978-79 : Sept.	1681	208	334	514	765	616	400
Dec.	1856	192	332	522	793	610	411
Mar.	1659	179	301	419	729	590	394
June	1617	190	348	467	794	636	407
1979-80 : Sept.	1713	196	349	523	861	616	451
Dec.	1805	210	359	492	847	682	427
Mar.	1675	178	315	456	775	604	384
June	1693	204	331	512	804	616	458
1980-81 : Sept.	1754	197	380	552	846	637	448
Dec.	1935	210	356	535	867	618	444
Mar.	1690	161	109	446	797	626	423
June	1584	216	336	522	860	630	428
1981-82 : Sept.	1697	211	394	565	900	623	447
Dec.	1891	206	348	554	893	683	495
Mar.	1680	181	296	459	793	619	416
June	1723	202	337	509	871	671	446
1982-83 : Sept.	1789	207	365	494	846	623	415
Dec.	1867	196	304	468	852	667	418
Mar.	1648	161	270	384	756	599	319
June	1652	174	348	497	820	632	399
1983-84 : Sept.	1678	194	365	475	841	650	421
Dec.	1833	182	342	520	885	676	399
Mar.	1683	170	319	444	805	679	367
June	1744	224	360	496	884	609	375
1984-85 : Sept.	1761	224	395	548	931	661	400
Dec.	1820	202	366	532	921	655	414
Mar.	1707	181	307	450	875	680	395
June	1735	241	365	500	991	686	480
1985-86 : Sept.	1765	201	404	590	1009	711	517
Dec.	1884	251	350	566	1069	753	494
Mar.	1728	198	310	459	899	755	435
June	1749	297	358	508	918	739	455
1986-87 : Sept.	1789	268	366	507	957	793	457
Dec.	1962	210	382	533	1054	862	487
Mar.	1746	174	338	448	930	826	426
June	1786	234	338	514	1023	873	461
1987-88 : Sept.	1874	273	367	556	1067	901	468
Dec.	2072	255	341	554	1116	918	505
Mar.	1910	248	286	426	1043	925	484
June	1823	292	333	514	1018	904	456
1988-89 : Sept.	1897	283	388	525	1120	929	530
Dec.	2152	294	351	561	1199	922	539
Mar.	1910	236	279	482	1027	930	467

HISTORICAL TABLES

TABLE 15 (cont) : MANUFACTURING INDUSTRY GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY SUBDIVISION (\$ million)

	Basic metal products	Fabricated metal products	Transport equipment	Other machinery and equipment	Miscellaneous manufacturing	Total manufacturing
1976-77	2899	2591	3273	3862	1642	31359
1977-78	2899	2591	3273	3862	1642	31359
1978-79	3086	2720	3114	3882	1766	32534
1979-80	3367	2863	3393	3997	1787	33943
1980-81	3526	2990	3210	4249	1842	34644
1981-82	3524	3098	3407	4435	1922	35496
1982-83	3049	2642	3238	3712	1749	32560
1983-84	3380	2570	3184	3517	1794	33065
1984-85	3690	2578	3474	3702	1901	34768
1985-86	3827	2715	3440	3896	1961	36201
1986-87	3816	2676	2922	3846	2030	36015
1987-88	3992	3143	2951	3774	2237	38026
1976-77 : Sept.	758	629	828	1035	401	7966
Dec.	766	666	860	1034	438	8308
Mar.	660	602	715	891	367	7242
June	715	694	870	902	436	7843
1977-78 : Sept.	719	646	759	944	464	7896
Dec.	714	661	794	1032	399	8175
Mar.	719	586	704	792	351	7224
June	740	666	807	961	417	7917
1978-79 : Sept.	753	687	785	965	459	8167
Dec.	782	719	782	1047	459	8505
Mar.	768	621	687	885	404	7636
June	783	693	862	985	444	8226
1979-80 : Sept.	867	756	914	1034	480	8760
Dec.	828	762	935	1059	469	8875
Mar.	859	652	703	920	407	7928
June	813	693	841	984	431	8380
1980-81 : Sept.	873	719	821	1082	473	8782
Dec.	916	794	838	1113	503	9149
Mar.	854	713	698	959	406	8082
June	883	764	853	1095	460	8631
1981-82 : Sept.	924	809	867	1161	498	9096
Dec.	884	836	867	1176	531	9364
Mar.	836	711	735	1014	444	8184
June	880	742	938	1084	449	8852
1982-83 : Sept.	855	753	977	1142	494	8960
Dec.	698	661	823	950	453	8357
Mar.	666	565	660	780	387	7195
June	830	663	778	840	415	8048
1983-84 : Sept.	890	625	847	905	447	8338
Dec.	840	651	810	947	480	8565
Mar.	776	608	694	784	433	7762
June	874	686	833	861	434	8470
1984-85 : Sept.	952	671	897	931	502	8873
Dec.	964	696	923	951	519	8863
Mar.	839	582	761	880	452	8109
June	935	629	965	968	428	8923
1985-86 : Sept.	1008	740	948	945	464	9302
Dec.	1001	707	939	1063	548	9615
Mar.	914	600	729	913	416	8356
June	904	668	824	975	538	8538
1986-87 : Sept.	975	694	879	1053	530	9268
Dec.	962	704	889	938	515	9298
Mar.	898	603	627	933	443	8373
June	981	675	727	922	542	9076
1987-88 : Sept.	1002	775	767	1003	581	9634
Dec.	1030	839	762	897	604	9893
Mar.	941	742	648	920	529	8599
June	1019	787	777	954	523	9400
1988-89 : Sept.	1058	873	798	953	581	9975
Dec.	1092	895	854	1005	632	10456
Mar.	1075	776	670	914	514	9280

HISTORICAL TABLES

TABLE 16 : MANUFACTURING INDUSTRY GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY SUBDIVISION,
SEASONALLY ADJUSTED (\$ million)

		Food, beverages and tobacco	Textiles	Clothing and footwear	Wood, wood products and furniture	Paper, etc., printing and publishing	Chemicals, petroleum and coal products	Non-metallic mineral products
1976-77 :	Sept.	1583	180	329	487	682	541	433
	Dec.	1592	193	334	488	719	560	417
	Mar.	1602	183	307	491	725	560	393
	June	1673	185	281	460	729	581	382
1977-78 :	Sept.	1658	181	315	445	741	566	381
	Dec.	1666	180	291	470	733	580	411
	Mar.	1682	178	311	447	725	590	382
	June	1683	181	329	493	728	593	385
1978-79 :	Sept.	1689	200	313	487	737	622	390
	Dec.	1726	182	323	492	760	588	393
	Mar.	1713	201	335	475	781	611	425
	June	1683	187	348	467	804	532	405
1979-80 :	Sept.	1723	188	323	495	831	623	442
	Dec.	1676	200	351	464	813	657	408
	Mar.	1732	200	352	517	831	625	414
	June	1761	199	332	513	811	611	455
1980-81 :	Sept.	1763	188	348	521	818	648	439
	Dec.	1796	202	351	505	833	593	443
	Mar.	1751	182	346	506	854	646	457
	June	1644	210	337	523	864	625	425
1981-82 :	Sept.	1705	200	357	532	874	616	437
	Dec.	1757	200	345	524	857	656	474
	Mar.	1744	206	334	520	851	635	450
	June	1782	194	338	511	872	667	443
1982-83 :	Sept.	1797	195	329	464	826	638	404
	Dec.	1740	194	303	443	815	642	401
	Mar.	1713	185	306	436	812	609	346
	June	1701	164	347	498	819	631	397
1983-84 :	Sept.	1686	181	328	446	825	664	408
	Dec.	1713	183	341	491	842	654	383
	Mar.	1749	197	362	505	866	686	399
	June	1791	209	357	497	883	611	373
1984-85 :	Sept.	1770	207	357	515	917	674	387
	Dec.	1705	207	364	502	872	636	398
	Mar.	1771	211	348	513	941	683	429
	June	1779	222	362	500	993	693	478
1985-86 :	Sept.	1776	185	367	555	995	720	500
	Dec.	1788	261	347	523	1008	735	474
	Mar.	1790	232	351	524	967	754	473
	June	1793	270	356	508	922	751	452
1986-87 :	Sept.	1802	245	333	477	944	799	443
	Dec.	1841	220	377	501	992	843	467
	Mar.	1806	204	383	513	1000	824	442
	June	1833	212	336	515	1030	890	458
1987-88 :	Sept.	1888	250	334	523	1053	905	455
	Dec.	1944	269	336	520	1048	898	482
	Mar.	1974	291	324	488	1122	924	528
	June	1872	264	331	514	1027	922	452
1988-89 :	Sept.	1911	259	354	494	1104	932	517
	Dec.	2019	310	346	527	1125	902	514
	Mar.	1974	276	316	552	1105	929	510

HISTORICAL TABLES

TABLE 16 (cont) : MANUFACTURING INDUSTRY GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY SUBDIVISION
SEASONALLY ADJUSTED (\$ million)

	Basic metal products	Fabricated metal products	Transport equipment	Other machinery and equipment	Miscellaneous manufacturing	Total manufacturing
1976-77 : Sept.	743	616	802	1005	375	7776
Dec.	751	630	823	962	419	7888
Mar.	680	657	816	975	414	7803
June	723	691	833	920	437	7895
1977-78 : Sept.	704	633	734	914	435	7707
Dec.	700	625	758	962	381	7757
Mar.	743	639	806	868	395	7776
June	748	664	772	979	419	7974
1978-79 : Sept.	734	672	757	933	431	7965
Dec.	769	680	746	977	437	8073
Mar.	796	676	792	973	451	8229
June	791	693	825	1001	449	8285
1979-80 : Sept.	839	737	876	995	452	8524
Dec.	816	721	894	992	445	8437
Mar.	897	710	815	1015	451	8559
June	819	694	806	997	439	8437
1980-81 : Sept.	838	699	779	1037	447	8525
Dec.	907	754	804	1047	475	8710
Mar.	900	776	814	1062	446	8740
June	885	764	819	1105	473	8674
1981-82 : Sept.	881	786	815	1108	472	8803
Dec.	876	795	836	1114	500	8934
Mar.	893	774	859	1123	483	8872
June	877	740	902	1090	465	8881
1982-83 : Sept.	811	731	911	1086	470	8662
Dec.	691	629	798	907	425	7988
Mar.	718	617	772	862	418	7794
June	824	661	749	842	432	8065
1983-84 : Sept.	843	606	785	858	426	8056
Dec.	830	619	791	914	451	8212
Mar.	842	666	808	859	467	8406
June	866	685	804	883	451	8410
1984-85 : Sept.	903	649	830	879	480	8568
Dec.	948	660	832	903	488	8515
Mar.	910	638	883	952	487	8766
June	928	631	934	973	444	8937
1985-86 : Sept.	961	714	877	887	444	8981
Dec.	978	668	918	1056	516	9252
Mar.	991	659	843	974	449	9007
June	899	675	798	983	549	8926
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June	978	686	705	932	556	9131
1987-88 : Sept.	962	741	712	936	558	9317
Dec.	999	790	742	908	569	9505
Mar.	1016	815	744	965	575	9766
June	1017	802	754	967	535	9457
1988-89 : Sept.	1017	833	742	925	559	9647
Dec.	1058	805	831	1021	595	10037
Mar.	1160	853	773	956	559	9963

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