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Bureau of
Statistics**

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Australian National Accounts
Gross Product, Employment and Hours Worked

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AUSTRALIAN NATIONAL ACCOUNTS
GROSS PRODUCT, EMPLOYMENT AND HOURS
WORKED

JUNE QUARTER 1989

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AUSTRALIAN BUREAU OF STATISTICS

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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 June quarter 1989 the trend estimate of GDP rose by 0.8 per cent, with all industries recording growth except for Mining and Electricity, gas and water. The seasonally adjusted estimate of GDP grew by 2.1 per cent, with growth occurring in every industry.

From June quarter 1988 to June quarter 1989 the trend estimate of GDP grew by 5.7 per cent. All industries shared in this growth, led by Construction (up 7.9 per cent), Wholesale and retail trade (up 7.4 per cent), Manufacturing (up 7.2 per cent), Agriculture (up 7.2 per cent) and Mining (up 6.9 per cent). The lowest growth occurred in Public administration and defence (up 1.2 per cent), which reflects the slow growth of public sector employment.

Substantial revisions have been made to most industries following the availability of firmer data (see paragraph 5 of the Explanatory Notes). As a result, the revised estimates of GDP are showing slightly stronger growth over recent years and appreciably stronger growth over recent quarters than previously published estimates. The revised estimates imply that labour productivity has been growing, albeit slowly, from 1984–85, whereas the estimates published previously indicated practically no growth over this period.

Revisions in this issue

5. Substantial revisions have been made to the constant price estimates of gross product for most industries following the availability of firmer data, particularly for 1987-88, and the introduction of methodological changes. The most notable revisions affecting recent years are as follows:

- Estimates for Agriculture, forestry, fishing and hunting have been revised down as a result of incorporating estimates of farm costs obtained from the ABS Agricultural Finance Surveys conducted in respect of 1986-87 and 1987-88.
- With the incorporation of the results of the 1987-88 Census of Mining Establishments, estimates for Mining have been revised up considerably in 1987-88 and the subsequent quarters of 1988-89.
- Upward revisions to Construction and Community services have stemmed from revised estimates for the public sector, particularly with respect to 1986-87 and 1987-88.
- Hours worked estimates have displaced employment estimates as the indicator of growth in Finance, property and business services and Public administration and defence, and for the quarterly interpolation and extrapolation of annual estimates for Community services. While the underlying assumption of constant labour productivity remains, the new estimates capture the effect of changes in average hours worked due to such factors as the increasing proportion of part-time employment and variations in the amount of overtime worked.

6. No major revisions have been made to constant price estimates of Manufacturing gross product, but the next issue of this publication will incorporate final estimates based on the Census of Manufacturing Establishments conducted in respect of 1986-87 and 1987-88.

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, either directly or indirectly, by extrapolating gross product in the base year by hours worked estimates.

9. The base year (1984-85) *current price* estimates of gross product for the industry divisions appearing in Tables 1-8 have been derived mainly by the income approach i.e. by summing factor incomes (wages, salaries and supplements and gross operating surplus) and net indirect taxes. Thus, conceptually, the industry-revalued estimates of gross domestic product should equal the expenditure-revalued estimates (including the statistical discrepancy) for the base year (1984-85). However, this is often not the case because revised income-based estimates of GDP are unavailable at the industry level. Also, while income-based 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* (5216.0).

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 hours worked 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:

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

- 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, 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

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

ANNUAL, AND QUARTERLY						
	\$ 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	160296	75.9	89.6	84.7	92.6	82.0
1975-76	163358	77.3	90.0	85.9	92.1	83.9
1976-77	169583	80.3	90.6	88.6	92.3	87.0
1977-78	171627	81.2	91.0	89.2	92.6	87.7
1978-79	175051	84.8	91.9	92.3	93.9	90.3
1979-80	183432	86.8	94.1	92.2	95.9	90.6
1980-81	189130	89.5	96.6	92.7	98.1	91.2
1981-82	196715	93.1	97.8	95.2	98.7	94.4
1982-83	190244	90.1	96.2	93.7	95.3	94.5
1983-84	197101	94.3	96.9	97.3	97.0	97.2
1984-85	211244	100.0	100.0	100.0	100.0	100.0
1985-86	222200	105.2	104.3	100.9	103.6	101.5
1986-87	224117	106.1	106.5	99.4	106.3	99.8
1987-88	235146	111.2	109.7	101.5	110.0	101.2
1988-89	247474	117.2	114.2	102.6	114.0	102.8
				Seasonally adjusted		
1974-75 : Sept.	40320	76.3	90.3	84.5	n.a.	n.a.
Dec.	40484	76.6	89.9	85.2	n.a.	n.a.
Mar.	39606	75.0	89.2	84.1	n.a.	n.a.
June	39881	75.5	89.2	84.6	n.a.	n.a.
1975-76 : Sept.	40374	76.4	90.0	84.9	n.a.	n.a.
Dec.	40860	77.4	90.1	85.9	n.a.	n.a.
Mar.	40727	77.1	90.3	85.4	n.a.	n.a.
June	41410	78.4	90.2	86.9	n.a.	n.a.
1976-77 : Sept.	42052	79.6	90.5	88.0	n.a.	n.a.
Dec.	42339	80.2	90.8	88.3	n.a.	n.a.
Mar.	42462	80.4	90.8	88.5	n.a.	n.a.
June	42720	80.9	90.9	89.0	n.a.	n.a.
1977-78 : Sept.	42709	80.9	91.4	88.5	n.a.	n.a.
Dec.	42688	80.8	91.4	88.4	n.a.	n.a.
Mar.	42718	80.9	90.9	89.0	n.a.	n.a.
June	43518	82.4	90.8	90.7	91.7	89.9
1978-79 : Sept.	44184	83.6	91.4	91.5	92.8	90.1
Dec.	44725	84.7	91.7	92.4	93.2	90.9
Mar.	44892	85.0	92.3	92.1	94.6	89.9
June	45289	85.7	92.7	92.4	95.0	90.2
1979-80 : Sept.	45455	86.1	92.9	92.7	95.0	90.6
Dec.	46212	87.5	93.9	93.2	95.6	91.5
Mar.	45787	86.7	94.6	91.6	96.8	89.6
June	45952	87.0	95.1	91.5	96.1	90.5
1980-81 : Sept.	46721	88.5	96.0	92.2	97.6	90.7
Dec.	47422	89.8	96.3	93.3	98.1	91.5
Mar.	47411	89.8	96.9	92.7	98.2	91.4
June	47565	90.0	97.6	92.2	98.5	91.4
1981-82 : Sept.	48377	91.6	97.9	93.6	98.7	92.8
Dec.	49135	93.0	97.7	95.4	98.7	94.2
Mar.	49519	93.7	98.2	95.4	99.1	94.6
June	49703	94.1	97.8	96.2	98.2	95.8
1982-83 : Sept.	48832	92.4	97.5	94.8	96.9	95.4
Dec.	47457	89.8	96.6	93.0	96.1	93.4
Mar.	46660	88.3	95.7	92.3	94.4	93.5
June	47088	89.1	95.3	93.5	94.0	94.8
1983-84 : Sept.	48708	92.2	95.7	96.3	95.4	96.6
Dec.	49478	93.7	96.6	97.0	96.6	97.0
Mar.	50088	94.8	97.4	97.3	97.2	97.5
June	50856	96.3	98.6	97.7	98.6	97.7
1984-85 : Sept.	51804	98.1	99.2	98.9	95.7	98.4
Dec.	52296	99.0	99.5	99.5	95.5	98.5
Mar.	53188	100.7	100.4	100.3	100.1	100.5
June	53996	102.2	100.8	101.4	100.7	101.5
1985-86 : Sept.	55194	104.5	102.4	102.1	101.6	102.9
Dec.	55895	105.8	103.6	102.1	103.2	102.5
Mar.	55428	104.9	104.8	100.1	105.6	99.9
June	55639	105.3	106.3	99.1	104.0	101.3
1986-87 : Sept.	55510	105.3	105.7	99.6	105.7	99.6
Dec.	55514	105.1	106.2	99.0	106.0	99.2
Mar.	55947	105.9	106.8	99.4	106.4	99.5
June	57088	108.1	107.5	100.6	107.2	100.8
1987-88 : Sept.	57383	108.6	108.3	100.3	108.4	100.0
Dec.	58857	111.4	108.7	102.5	109.2	102.0
Mar.	53682	110.0	110.6	102.3	111.6	101.3
June	59191	112.1	111.4	100.6	110.5	101.4
1988-89 : Sept.	60374	114.3	112.3	101.8	112.0	102.1
Dec.	61815	117.0	113.9	103.1	113.9	103.4
Mar.	62014	117.4	114.7	102.8	116.5	102.8
June	63287	119.8	116.5			

(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
Original						
1974-75	162197	75.7	89.6	84.5	92.6	81.7
1975-76	165937	77.4	90.0	86.0	92.1	84.0
1976-77	170594	79.6	90.6	87.9	93.3	86.2
1977-78	172352	80.4	91.0	88.4	92.6	86.8
1978-79	181374	84.6	91.9	92.1	93.9	90.1
1979-80	185977	86.8	94.1	92.2	95.9	90.6
1980-81	192175	89.7	96.6	92.9	98.1	91.4
1981-82	195678	91.3	97.8	93.4	98.7	92.4
1982-83	192935	90.0	96.2	93.6	95.3	94.4
1983-84	203112	94.8	96.9	97.8	97.0	97.7
1984-85	214270	100.0	100.0	100.0	100.0	100.0
1985-86	223403	104.3	104.3	100.0	103.6	100.7
1986-87	229649	107.2	106.5	100.7	106.3	100.8
1987-88	239618	111.8	109.7	101.9	110.6	101.4
1988-89	247597	115.6	114.2	101.9	114.0	101.4
Seasonally adjusted						
1974-75 : Sept.	40033	74.8	90.3	82.8	n.a.	n.a.
Dec.	40534	75.7	89.9	84.2	n.a.	n.a.
Mar.	40402	75.5	89.2	84.6	n.a.	n.a.
June	41410	77.4	89.2	86.8	n.a.	n.a.
1975-76 : Sept.	40753	76.1	90.0	84.6	n.a.	n.a.
Dec.	40781	76.2	90.1	84.6	n.a.	n.a.
Mar.	41767	78.0	90.3	86.4	n.a.	n.a.
June	42364	79.1	90.2	87.7	n.a.	n.a.
1976-77 : Sept.	42464	79.3	90.5	87.6	n.a.	n.a.
Dec.	42628	79.6	90.8	87.7	n.a.	n.a.
Mar.	42603	79.6	90.8	87.7	n.a.	n.a.
June	43018	80.4	90.9	88.4	n.a.	n.a.
1977-78 : Sept.	42827	80.0	91.4	87.5	n.a.	n.a.
Dec.	42477	79.4	91.4	86.9	n.a.	n.a.
Mar.	43190	80.7	90.9	88.8	n.a.	n.a.
June	43808	81.8	90.8	90.1	91.7	89.2
1978-79 : Sept.	44965	84.0	91.4	91.9	92.8	90.5
Dec.	45207	84.5	91.7	92.1	93.2	90.7
Mar.	45987	85.9	92.3	93.6	94.6	90.8
June	45506	85.0	92.7	91.7	95.0	89.5
1979-80 : Sept.	45824	85.6	92.9	92.1	95.0	90.1
Dec.	46794	87.4	93.9	93.1	95.6	91.4
Mar.	46502	86.9	93.9	91.9	96.8	89.8
June	46945	87.7	95.1	92.2	96.1	91.3
1980-81 : Sept.	46978	87.8	96.0	91.5	97.6	90.0
Dec.	48224	90.1	96.3	93.6	98.1	91.8
Mar.	48245	90.1	96.9	93.0	98.2	91.8
June	48864	91.3	97.6	93.5	98.5	92.7
1981-82 : Sept.	48979	91.5	97.9	93.5	98.7	92.7
Dec.	48855	91.3	97.7	93.4	98.7	92.5
Mar.	48816	91.2	98.2	92.9	99.1	92.0
June	48881	91.3	97.8	93.4	98.2	92.0
1982-83 : Sept.	48623	90.8	97.5	93.1	96.9	91.7
Dec.	48212	90.1	96.6	94.1	96.1	91.8
Mar.	48096	89.5	95.5	94.1	94.4	95.2
June	47870	89.4	95.3	93.8	94.0	95.1
1983-84 : Sept.	49308	92.1	95.7	96.2	95.4	96.5
Dec.	49835	93.1	96.6	96.4	96.6	96.4
Mar.	51609	96.4	97.4	99.0	97.2	99.2
June	52093	97.3	98.6	98.7	98.6	98.7
1984-85 : Sept.	52451	98.0	99.2	98.8	99.7	98.3
Dec.	53165	99.3	99.5	99.8	99.3	99.8
Mar.	53488	99.9	100.4	99.5	100.1	99.8
June	55011	102.8	100.8	102.0	100.7	102.1
1985-86 : Sept.	56299	105.2	102.4	102.7	101.6	103.5
Dec.	55406	103.5	103.6	99.9	103.2	100.3
Mar.	55181	105.0	104.8	100.6	105.2	99.4
June	55485	103.7	106.3	97.8	104.0	99.7
1986-87 : Sept.	56341	105.3	105.7	99.6	105.7	99.6
Dec.	57064	106.2	106.2	100.4	106.0	100.6
Mar.	57366	107.2	106.8	100.4	106.4	100.8
June	58679	109.6	107.5	102.0	107.2	102.2
1987-88 : Sept.	58783	109.6	108.3	101.4	108.6	101.1
Dec.	59576	111.3	108.7	102.4	109.2	100.7
Mar.	60143	112.4	110.6	101.7	111.2	102.9
June	60638	113.3	111.4	101.7	110.5	102.5
1988-89 : Sept.	60360	112.8	112.3	100.4	112.0	100.7
Dec.	61471	114.8	113.1	101.3	113.9	100.8
Mar.	62605	117.0	114.7	102.0	113.9	103.1
June	62991	117.7	116.5	101.0	116.5	101.0

(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.	40427	76.5	90.2	84.8	n.a.	n.a.
	Dec.	40234	76.2	89.8	84.9	n.a.	n.a.
	Mar.	39834	75.4	89.3	84.4	n.a.	n.a.
	June	39830	75.4	89.3	84.4	n.a.	n.a.
1975-76	Sept.	40399	76.5	89.8	85.2	n.a.	n.a.
	Dec.	40711	77.1	90.2	85.5	n.a.	n.a.
	Mar.	40895	77.4	90.2	85.8	n.a.	n.a.
	June	41371	78.3	90.3	86.7	n.a.	n.a.
1976-77	Sept.	42014	79.5	90.5	87.8	n.a.	n.a.
	Dec.	42330	80.1	90.7	88.3	n.a.	n.a.
	Mar.	42514	80.5	90.8	88.7	n.a.	n.a.
	June	42670	80.8	91.0	88.8	n.a.	n.a.
1977-78	Sept.	42724	80.9	91.3	88.6	n.a.	n.a.
	Dec.	42639	80.7	91.3	88.4	n.a.	n.a.
	Mar.	42837	81.1	90.9	89.2	n.a.	n.a.
	June	43453	82.3	90.9	90.5	92.0	89.5
1978-79	Sept.	44201	83.7	91.3	91.7	92.5	90.5
	Dec.	44666	84.6	91.8	92.2	93.5	90.5
	Mar.	44968	85.1	92.3	92.2	94.4	90.1
	June	45196	85.6	92.6	92.4	95.0	90.1
1979-80	Sept.	45644	86.4	93.1	92.8	95.1	90.9
	Dec.	45952	87.0	93.8	92.8	95.8	90.8
	Mar.	45915	86.9	94.6	91.9	96.3	90.2
	June	46004	87.1	95.2	91.5	96.6	90.2
1980-81	Sept.	46717	88.4	95.9	92.2	97.3	90.9
	Dec.	47312	89.6	96.4	92.9	98.1	91.3
	Mar.	47440	89.8	96.9	92.7	98.3	91.4
	June	47648	90.2	97.6	92.4	98.5	91.6
1981-82	Sept.	48355	91.5	97.8	93.6	98.6	92.8
	Dec.	48093	92.9	97.9	94.9	98.9	93.9
	Mar.	48996	93.9	98.0	95.8	98.9	94.9
	June	49598	93.9	97.9	95.9	98.2	95.6
1982-83	Sept.	48793	92.4	97.4	94.9	97.1	95.2
	Dec.	47488	89.9	96.5	93.2	95.8	93.8
	Mar.	46713	88.4	95.6	92.5	94.5	93.5
	June	47234	89.4	95.3	93.8	94.2	94.9
1983-84	Sept.	48507	91.8	95.7	95.9	95.3	96.3
	Dec.	49505	93.7	96.5	97.1	96.5	97.1
	Mar.	50108	94.9	97.5	97.3	97.4	97.4
	June	50905	96.4	98.5	97.9	98.6	97.8
1984-85	Sept.	51694	97.9	99.2	98.7	99.5	98.4
	Dec.	52395	99.2	99.6	99.6	99.7	99.5
	Mar.	53117	100.6	100.2	100.4	100.0	100.6
	June	54096	102.4	101.0	101.4	100.7	101.7
1985-86	Sept.	55179	104.5	102.3	102.2	101.6	102.9
	Dec.	55711	105.5	103.6	101.8	103.6	101.8
	Mar.	55630	105.3	105.0	100.3	104.7	100.6
	June	55558	105.2	105.9	99.3	104.9	100.3
1986-87	Sept.	55579	105.2	105.0	99.2	105.2	100.0
	Dec.	55344	105.1	106.1	99.1	106.1	99.1
	Mar.	56075	106.2	106.8	99.4	106.4	99.8
	June	56825	107.6	107.5	100.1	107.3	100.3
1987-88	Sept.	57665	109.2	108.1	101.0	108.3	100.8
	Dec.	58772	111.3	109.0	102.1	109.8	101.4
	Mar.	59411	112.5	110.3	102.0	110.8	101.5
	June	59514	112.7	111.5	101.1	111.1	101.4
1988-89	Sept.	60382	114.3	112.3	101.8	112.0	102.1
	Dec.	61534	116.5	113.3	102.8	113.3	102.8
	Mar.	62400	118.1	114.9	102.8	114.5	103.1
	June	62889	119.1	116.0	102.7	115.5	103.1

(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.	40208	75.1	90.2	83.3	n.a.	n.a.
	Dec.	40302	75.2	89.8	83.7	n.a.	n.a.
	Mar.	40738	76.0	89.3	85.1	n.a.	n.a.
	June	41032	76.6	89.3	85.8	n.a.	n.a.
1975-76	: Sept.	40906	76.4	89.8	85.1	n.a.	n.a.
	Dec.	40900	76.3	90.2	84.6	n.a.	n.a.
	Mar.	41676	77.8	90.2	86.3	n.a.	n.a.
	June	42315	79.0	90.3	87.5	n.a.	n.a.
1976-77	: Sept.	42524	79.4	90.5	87.7	n.a.	n.a.
	Dec.	42563	79.4	90.7	87.5	n.a.	n.a.
	Mar.	42726	79.8	90.8	87.9	n.a.	n.a.
	June	42908	80.1	91.0	88.0	n.a.	n.a.
1977-78	: Sept.	42770	79.8	91.3	87.4	n.a.	n.a.
	Dec.	42652	79.6	91.3	87.2	n.a.	n.a.
	Mar.	43058	80.4	90.9	88.4	n.a.	n.a.
	June	43961	82.1	90.9	90.3	92.0	89.2
1978-79	: Sept.	44752	83.5	91.3	91.5	92.5	90.3
	Dec.	45446	84.8	91.8	92.4	93.5	90.7
	Mar.	45704	85.3	92.3	92.4	94.4	90.4
	June	45668	85.2	92.6	92.0	95.0	89.7
1979-80	: Sept.	45954	85.8	93.1	92.2	95.1	90.2
	Dec.	46507	86.8	93.8	92.5	95.8	90.6
	Mar.	46733	87.2	94.6	92.2	96.3	90.6
	June	46742	87.2	95.2	91.6	96.6	90.3
1980-81	: Sept.	47276	88.2	95.9	92.0	97.3	90.6
	Dec.	47911	89.4	96.4	92.7	98.1	91.1
	Mar.	48460	90.5	96.9	93.4	98.3	92.1
	June	48764	91.0	97.6	93.2	98.5	92.4
1981-82	: Sept.	48975	91.4	97.8	93.5	98.6	92.7
	Dec.	48877	91.2	97.9	93.2	98.9	92.2
	Mar.	48849	91.2	98.0	93.1	98.9	92.2
	June	48837	91.2	97.9	93.2	98.2	92.9
1982-83	: Sept.	48603	90.7	97.4	93.1	97.1	93.4
	Dec.	48275	90.1	96.5	93.4	95.8	94.1
	Mar.	47936	89.5	95.6	93.6	94.5	94.7
	June	48189	90.0	95.3	94.4	94.2	95.5
1983-84	: Sept.	48961	91.4	95.7	95.5	95.3	95.9
	Dec.	50180	93.7	96.5	97.1	96.5	97.1
	Mar.	51337	95.8	97.5	98.3	97.4	98.4
	June	52143	97.3	98.5	98.8	98.6	98.7
1984-85	: Sept.	52541	98.1	99.2	98.9	99.5	98.6
	Dec.	52993	98.9	99.6	99.3	99.7	99.2
	Mar.	53710	100.3	100.2	100.1	100.0	100.3
	June	55049	102.8	101.0	101.8	100.7	102.1
1985-86	: Sept.	55874	104.3	102.3	102.0	101.6	102.7
	Dec.	55919	104.4	103.6	100.8	103.6	100.8
	Mar.	55729	104.0	105.0	99.0	104.7	99.3
	June	55831	104.2	105.9	98.4	104.9	99.3
1986-87	: Sept.	56238	105.0	106.0	99.1	105.2	99.8
	Dec.	56938	106.3	106.1	100.2	106.1	100.2
	Mar.	57634	107.6	106.8	100.7	106.4	101.1
	June	58377	109.0	107.5	101.4	107.3	101.6
1987-88	: Sept.	58990	110.1	108.1	101.9	108.3	101.7
	Dec.	59498	111.1	109.0	101.9	109.8	101.2
	Mar.	60206	112.4	110.3	101.9	110.8	101.4
	June	60428	112.8	111.5	101.2	111.1	101.5
1988-89	: Sept.	60619	113.2	112.3	100.8	112.0	101.1
	Dec.	61427	114.7	113.3	101.2	113.3	101.2
	Mar.	62536	116.7	114.9	101.6	114.5	101.9
	June	62947	117.5	116.0	101.3	115.5	101.7

(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 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				
		Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June
Agriculture, forestry, fishing and hunting	A	2222	2230	2264	2281	2309	2350	2178	2197	2271	2064	2201	2244	2264	2309
Mining	B	4106	3931	3781	3823	4006	3998	3949	4502	4377	4283	4489	4736	4540	4683
Manufacturing	C	9714	9659	9659	9645	9700	9846	10041	10286	10518	10218	10399	10860	10889	11126
Electricity, gas and water	D	2009	2009	1991	2004	2039	2070	2097	2149	2155	2139	2165	2272	2213	2233
Construction	E	3779	3925	3848	3738	3827	3909	3950	4160	4189	4223	4365	4472	4492	4614
Wholesale and retail trade	F	8668	8701	8763	8594	8492	8627	8858	9133	9202	9163	9421	9661	9792	9940
Transport, storage and communication	G,H	4027	4148	4144	4178	4251	4294	4403	4440	4563	4542	4717	4715	4652	4760
Finance, property and business services	I	5640	5667	5795	5937	5966	6249	6393	6399	6590	6670	6725	6867	6993	7080
Public administration and defence	J	2304	2368	2381	2352	2365	2398	2418	2411	2436	2439	2428	2430	2417	2495
Community services	K	6685	6723	6736	6724	6767	7111	6928	7009	7213	7283	7270	7316	7399	7545
Recreation, personal and other services	L	2198	2202	2176	2186	2205	2219	2269	2284	2282	2323	2381	2327	2358	2400
Ownership of dwellings		4701	4725	4751	4776	4800	4824	4846	4870	4895	4918	4945	4975	5005	5033
Import duties		748	723	689	683	672	714	691	737	759	761	823	968	1030	1035
Less: Imputed bank service charge		1373	1372	1368	1407	1452	1521	1638	1690	1768	1835	1955	2028	2030	1966
Gross Domestic Product		55428	55639	55610	55514	55947	57088	57383	58857	59682	59191	60374	61815	62014	63287

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

Industry	ASIC Divn.	Change from preceding quarter												June Qtr 1988 to June Qtr 1989	
		1986-87				1987-88				1988-89				June Qtr 1988	June Qtr 1989
		June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.		
Agriculture, forestry, fishing and hunting	A	0.4	1.5	0.8	1.2	1.8	-7.3	0.9	3.4	-9.1	6.6	2.0	0.9	2.0	11.9
Mining	B	-4.3	-3.8	1.1	4.8	-0.2	-1.2	14.0	-2.8	-2.1	4.8	5.5	-4.1	3.1	9.3
Manufacturing	C	-0.6	-	-0.1	0.6	1.5	2.0	2.1	2.6	-2.9	1.8	4.4	0.3	2.2	8.9
Electricity, gas and water	D	-	-0.9	0.7	1.7	1.5	1.3	2.5	0.3	-0.7	1.2	4.9	-2.6	0.9	4.4
Construction	E	3.9	-2.0	-2.9	2.4	2.1	1.0	5.3	0.7	0.8	3.4	2.5	0.4	2.7	9.3
Wholesale and retail trade	F	0.4	0.7	-1.9	-1.2	1.6	2.7	1.0	0.8	-0.4	2.8	2.5	1.4	4.5	8.5
Transport, storage and communication	G,H	3.0	-0.1	0.8	1.7	1.0	2.5	0.8	2.8	-0.5	3.9	-	-1.3	2.3	4.8
Finance, property and business services	I	0.5	2.3	2.5	0.5	4.7	2.3	0.1	3.0	1.2	0.8	2.1	1.8	1.2	6.1
Public administration and defence	J	2.8	0.5	-1.2	0.6	1.4	0.8	-0.3	1.0	0.1	-0.5	0.1	-0.5	3.2	2.3
Community services	K	0.6	0.2	-0.2	0.6	5.1	-2.6	1.2	2.9	1.0	-0.2	0.6	1.1	2.0	3.6
Recreation, personal and other services	L	0.2	-1.2	0.5	0.9	0.6	2.3	0.7	-0.1	1.8	2.5	-2.3	1.3	1.8	3.3
Ownership of dwellings		0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	2.3
Import duties		-3.3	-4.7	-0.9	-1.6	6.2	-3.2	6.7	3.0	0.3	8.1	17.6	6.4	0.5	36.0
Imputed bank service charge		-0.1	-0.3	2.9	3.2	4.8	7.7	3.2	4.6	3.8	6.5	3.7	0.1	-3.2	7.1
Gross Domestic Product		0.4	-0.1	-0.2	0.8	2.0	0.5	2.6	1.4	-0.8	2.0	2.4	0.3	2.1	6.9

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		
		Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.
Agriculture, forestry, fishing and hunting	A	2220	2235	2259	2283	2326	2304	2218	2212	2200	2142	2164	2246
Mining	B	4045	3938	3797	3844	3971	3962	4090	4356	4409	4322	4506	4643
Manufacturing	C	9781	9653	9648	9649	9705	9845	10037	10303	10397	10309	10437	10761
Electricity, gas and water	D	1995	2009	1995	2005	2037	2068	2104	2142	2152	2141	2186	2236
Construction	E	3850	3873	3845	3770	3814	3891	3991	4121	4195	4241	4358	4454
Wholesale and retail trade	F	8741	8700	8722	8603	8515	8620	8873	9107	9179	9216	9405	9645
Transport, storage and communication	G,H	4092	4109	4156	4183	4239	4311	4381	4468	4521	4594	4681	4706
Finance, property and business services	I	5636	5685	5798	5901	6022	6220	6369	6444	6562	6668	6741	6861
Public administration and defence	J	2315	2359	2375	2360	2366	2397	2413	2419	2431	2438	2432	2420
Community services	K	6683	6723	6730	6712	6846	6992	6996	7018	7190	7276	7282	7312
Recreation, personal and other services	L	2205	2195	2183	2185	2201	2227	2262	2281	2288	2331	2357	2347
Ownership of dwellings		4701	4725	4751	4776	4800	4824	4846	4870	4895	4918	4945	4975
Import duties		745	720	694	676	685	695	708	730	753	765	837	954
Less: Imputed bank service charge		1379	1366	1374	1403	1452	1531	1623	1699	1761	1847	1949	2026
Gross Domestic Product		55630	55558	55579	55544	56075	56825	57665	58772	59411	59514	60382	61534

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

Industry	ASIC Divn.	Change from preceding quarter											
		1986-87			1987-88			1988-89			June Qtr 1988 to June Qtr 1989		
		June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.
Agriculture, forestry, fishing and hunting	A	0.7	1.1	1.1	1.9	-0.9	-3.7	-0.3	-0.5	-2.6	1.0	3.8	1.2
Mining	B	-2.6	-3.6	1.2	3.3	-0.2	3.2	6.5	1.2	-2.0	4.3	3.0	-0.1
Manufacturing	C	-1.3	-0.1	-	0.6	1.4	2.0	2.7	0.9	-0.8	1.2	3.1	2.0
Electricity, gas and water	D	0.7	-0.7	0.5	1.6	1.5	1.7	1.8	0.5	-0.5	2.1	2.3	0.1
Construction	E	0.6	-0.7	-2.0	1.2	2.0	2.6	3.3	1.8	1.1	2.8	2.2	1.6
Wholesale and retail trade	F	-0.5	0.3	-1.4	-1.0	1.2	2.9	2.6	0.8	0.4	2.1	2.6	1.8
Transport, storage and communication	G,H	0.4	1.1	0.6	1.3	1.7	1.6	2.0	1.2	1.6	1.9	0.5	-0.3
Finance, property and business services	I	0.9	2.0	1.8	2.1	3.3	2.4	1.2	1.8	1.6	1.1	1.8	2.0
Public administration and defence	J	1.9	0.7	-0.6	0.3	1.3	0.7	0.2	0.5	0.3	-0.2	-0.5	0.8
Community services	K	0.6	0.1	-0.3	2.0	2.1	0.1	0.3	2.5	1.2	0.1	0.4	1.5
Recreation, personal and other services	L	-0.5	-0.5	0.1	0.7	1.2	1.6	0.8	0.3	1.9	1.1	-0.4	0.5
Ownership of dwellings		0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6
Import duties		-3.4	-3.6	-2.6	1.3	1.5	1.9	3.1	3.2	1.6	9.4	14.0	7.8
Imputed bank service charge		-0.9	0.6	2.1	3.5	5.4	6.0	4.7	3.6	4.9	5.5	4.0	-0.4
Gross Domestic Product		-0.1	-	-0.1	1.0	1.3	1.5	1.9	1.1	0.2	1.5	1.9	1.4

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					
		Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.
Food, beverages and tobacco	21	1790	1793	1802	1841	1806	1833	1888	1944	1974	1874	1920	2017
Textiles	23	232	270	245	220	204	212	250	269	291	264	259	310
Clothing and footwear	24	351	356	333	377	383	336	332	337	325	331	351	349
Wood, wood products and furniture	25	524	508	477	501	513	515	523	520	488	514	494	526
Paper, etc., printing and publishing	26	967	922	944	992	1000	1030	1054	1052	1121	1023	1105	1134
Chemicals, petroleum & coal products	27	754	751	799	843	824	890	905	898	924	922	932	901
Non-metallic mineral products	28	473	452	443	467	442	458	455	482	528	452	518	516
Basic metal products	29	991	899	935	935	971	978	961	1007	1013	1015	1002	1057
Fabricated metal products	31	659	675	667	665	662	686	741	789	814	803	832	798
Transport equipment	32	843	798	816	673	724	703	710	737	738	766	747	840
Other machinery and equipment	33	974	983	986	944	985	932	934	906	962	974	920	1021
Miscellaneous manufacturing	34	449	549	509	485	480	556	557	568	574	536	562	600
Total (production approach)		9007	8956	8956	8943	8994	9129	9310	9509	9752	9474	9642	10069
Difference (a)		707	703	703	702	706	717	731	747	766	744	757	791
Total (income approach)		9714	9659	9659	9645	9700	9846	10041	10256	10518	10218	10399	10860

(a) For an explanation of the difference between the production and income approaches to the estimation of Gross Product see paragraph 7 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											
		1986-87		1987-88		1988-89							
		June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.
Food, beverages and tobacco	21	0.2	0.5	2.2	-1.9	1.5	1.0	3.0	1.5	-5.1	2.5	5.1	1.1
Textiles	23	16.4	-9.3	-10.2	-7.3	3.9	17.9	7.6	8.2	-9.3	-1.9	19.7	-8.7
Clothing and footwear	24	1.4	-6.5	13.2	1.6	-12.3	-1.2	1.5	-3.6	1.8	6.0	-0.6	-3.4
Wood, wood products and furniture	25	-3.1	-6.1	5.0	2.4	0.4	1.6	-0.6	-6.2	5.3	-3.9	6.5	0.2
Paper, etc., printing and publishing	26	-4.7	2.4	5.1	0.8	3.0	2.3	-0.2	6.6	-8.7	8.0	2.6	-1.5
Chemicals, petroleum & coal products	27	-0.4	6.4	5.5	-2.3	8.0	1.7	-0.8	2.9	-0.2	1.1	-3.3	2.1
Non-metallic mineral products	28	-4.4	-2.0	5.4	-5.4	3.6	-0.7	5.9	9.5	-14.4	14.6	-0.4	4.8
Basic metal products	29	-9.3	4.0	-	3.9	0.7	-1.7	4.8	0.6	0.2	-1.3	5.5	8.4
Fabricated metal products	31	2.4	-1.2	-0.3	-0.5	3.6	8.0	6.5	3.2	-1.4	3.6	-4.1	6.4
Transport equipment	32	-5.3	2.3	-17.5	7.6	-2.9	1.0	3.8	0.1	3.8	-2.5	12.4	-7.5
Other machinery and equipment	33	0.9	0.3	-4.3	4.3	-5.4	0.2	-3.0	6.2	1.2	-5.5	11.0	-5.1
Miscellaneous manufacturing	34	22.3	-7.3	-4.7	-1.0	15.8	0.2	2.0	1.1	-6.6	4.9	6.8	-1.5
Total manufacturing		-0.6	-	-0.1	0.6	1.5	2.0	2.1	2.6	-2.9	1.8	4.4	0.3

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					
		Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.
Food, beverages and tobacco	21	1785	1793	1811	1823	1818	1832	1888	1950	1946	1901	1922	2012
Textiles	23	254	256	249	220	205	216	245	274	282	267	271	292
Clothing and footwear	24	351	347	348	370	375	346	331	333	328	333	347	347
Wood, wood products and furniture	25	520	503	487	496	512	517	523	512	502	499	507	517
Paper, etc, printing and publishing	26	965	930	946	983	1007	1029	1045	1077	1078	1066	1087	1125
Chemicals, petroleum & coal products	27	747	760	799	828	845	878	903	907	917	929	921	909
Non-metallic mineral products	28	467	453	451	454	453	450	459	492	498	487	496	531
Basic metal products	29	966	928	918	945	966	972	975	997	1016	1008	1011	1064
Fabricated metal products	31	662	669	670	662	664	689	739	789	807	816	814	847
Transport equipment	32	851	817	773	719	697	711	713	730	747	749	778	799
Other machinery and equipment	33	1006	979	974	966	961	949	919	924	954	956	959	976
Miscellaneous manufacturing	34	494	515	520	481	496	538	564	570	563	548	563	589
Total (production approach)		9068	8950	8946	8947	8999	9127	9304	9555	9638	9559	9676	9977
Difference (a)		713	703	702	702	706	718	733	748	759	750	761	784
Total (income approach)		9781	9653	9648	9649	9705	9845	10037	10303	10397	10309	10437	10761

(a) For an explanation of the difference between the production and income approaches to the estimation of Gross Product see paragraph 7 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												June Qtr 1988
		1986-87		1987-88		1988-89								June Qtr 1989
		June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June
Food, beverages and tobacco	21	0.4	1.0	0.7	-0.3	0.8	3.1	3.3	-0.2	-2.3	1.1	4.7	-	-2.4
Textiles	23	0.8	-2.7	-11.6	-6.8	5.4	13.4	11.8	2.9	-5.3	1.5	7.7	0.7	-3.4
Clothing and footwear	24	-1.1	0.3	6.3	1.4	-7.7	-4.3	0.6	-1.5	1.5	4.2	-	-1.2	0.3
Wood, wood products and furniture	25	-3.3	-3.2	1.8	3.2	1.0	-2.1	-2.0	-0.6	1.6	2.0	2.9	0.8	7.4
Paper, etc, printing and publishing	26	-3.6	1.7	3.9	2.4	2.2	1.6	3.1	0.1	-1.1	2.0	3.5	1.3	1.8
Chemicals, petroleum & coal products	27	1.7	5.1	3.6	2.1	3.9	2.8	0.4	1.1	1.3	-0.9	-1.3	2.1	3.2
Non-metallic mineral products	28	-3.0	-0.4	0.7	-0.2	-0.7	2.0	7.2	1.2	-2.2	1.8	7.1	-1.7	-2.5
Basic metal products	29	-3.9	-1.1	2.9	2.2	0.6	0.3	2.3	1.9	-0.8	0.3	5.2	6.0	1.6
Fabricated metal products	31	1.1	0.1	-1.2	0.3	3.8	7.3	6.8	2.3	1.1	-0.2	0.2	3.8	4.3
Transport equipment	32	-4.0	-5.4	-7.0	-3.1	2.0	0.3	2.4	2.3	0.3	3.9	2.7	2.0	0.2
Other machinery and equipment	33	-2.7	-0.5	-0.8	-0.5	-1.2	-3.2	0.5	3.2	0.2	0.3	1.8	3.8	1.7
Miscellaneous manufacturing	34	4.3	1.0	-7.5	3.1	8.5	4.8	1.1	-1.2	-2.7	2.7	4.6	2.7	1.7
Total manufacturing		-1.3	-	-	0.6	1.4	1.9	2.7	0.9	-0.8	1.2	3.1	2.0	0.7

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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 services
1974-75	4917	10654	33358	4721	12045	28512	9851	14861
1975-76	7532	10379	32999	4904	12722	28346	9493	14681
1976-77	7749	11104	33817	5134	13399	28249	10379	14871
1977-78	7484	11342	33667	5134	13496	28221	10379	14871
1978-79	8157	11388	35086	5571	13345	28263	10883	15623
1979-80	7979	11199	36607	5968	13632	28243	12375	16365
1980-81	6960	11306	37363	6246	14634	28249	12689	17791
1981-82	8151	10953	38293	6609	15271	27781	13652	18639
1982-83	8261	11474	38118	6829	15944	27781	13652	18639
1983-84	9150	12560	39559	7125	16348	27781	13652	18639
1984-85	9194	14174	37495	7125	16348	27781	13652	18639
1985-86	8872	14372	39039	7564	14702	34045	15428	20451
1986-87	9186	15593	38845	8037	15570	35131	16325	22223
1987-88	8707	17094	38845	8037	15570	35131	16325	22223
1988-89	8938	18443	41011	8534	16472	36484	17946	23646
			43248	8872	17921	38934	18952	27673
1974-75 : Sept.	1135	2557	9014	1215	2817	7115	2445	3764
Dec.	1950	2768	8673	1154	3229	7420	2521	3714
Mar.	1944	2630	7834	1184	3229	6870	2241	3697
June	848	2699	7837	1194	5219	7127	1424	3686
1975-76 : Sept.	1427	2461	8181	1222	3094	7045	2508	3687
Dec.	1377	2448	8425	1198	3319	7335	2491	3641
Mar.	1709	2560	8062	1213	3619	6859	2518	3679
June	1019	2710	8321	1241	3473	7127	2438	3704
1976-77 : Sept.	1429	2871	8590	1349	3458	7304	2564	3707
Dec.	1851	2705	8559	1324	3458	7304	2463	3715
Mar.	2123	2700	7810	1289	3518	6873	2518	3679
June	1019	2710	8321	1241	3473	7127	2438	3704
1977-78 : Sept.	1763	2978	8517	1387	3194	7115	2855	3764
Dec.	3194	2843	8818	1324	3458	7304	2742	3715
Mar.	2525	2677	8235	1282	3501	6893	2761	3745
June	1000	2841	8540	1343	3518	7118	2969	3777
1978-79 : Sept.	1608	2941	8808	1425	3153	7228	3072	3784
Dec.	3633	2949	8172	1343	3444	7751	3086	3824
Mar.	2932	2795	8235	1381	3294	6942	2794	3953
June	984	2703	8871	1422	3452	7462	2927	4059
1979-80 : Sept.	1487	3004	9447	1535	3314	7499	3317	4048
Dec.	3874	2994	8571	1462	3490	8124	3370	4107
Mar.	1673	2559	8551	1470	3137	7294	2919	4149
June	943	2638	9078	1501	3689	7562	3049	4261
1980-81 : Sept.	1444	2867	9471	1596	3608	7792	3368	4187
Dec.	3209	2879	8866	1545	3817	8297	3414	4380
Mar.	1394	2798	8717	1524	3388	7422	3171	4328
June	909	2762	9309	1564	3821	7847	3314	4436
1981-82 : Sept.	1324	2672	9810	1698	3782	8077	3414	4587
Dec.	4216	2758	10099	1590	3688	8651	3490	4529
Mar.	1583	2571	8827	1414	3575	7854	3322	4719
June	1032	2952	9547	1703	3912	9199	3466	4704
1982-83 : Sept.	1567	2940	9665	1790	3577	8082	3438	4711
Dec.	2836	2886	9014	1690	3558	8488	3449	4586
Mar.	1187	2731	7740	1630	3268	7268	3304	4532
June	731	2919	8880	1716	3470	7923	3345	4717
1983-84 : Sept.	1427	3093	8993	1814	3141	7895	3443	4657
Dec.	4497	3237	9237	1742	3508	8463	3407	4731
Mar.	2203	3110	8370	1760	3079	7739	3342	4739
June	1023	3305	9059	1819	3818	8078	3474	4822
1984-85 : Sept.	1406	3528	9570	1949	3443	8313	3650	4950
Dec.	4717	3524	9559	1859	3837	8922	3642	5046
Mar.	1716	3358	8746	1861	3423	8144	3700	5046
June	1305	3804	9423	1895	4010	8614	3834	5272
1985-86 : Sept.	1546	4445	10031	2019	3810	8782	4017	5349
Dec.	4417	4089	10349	1907	4087	9494	4342	5352
Mar.	1613	3978	9011	1977	3474	8248	3902	5630
June	1296	3860	9428	2001	4219	8607	4114	5688
1986-87 : Sept.	1555	3921	9998	2071	3741	8714	4158	5795
Dec.	4247	3868	10031	1963	3872	9165	4337	5795
Mar.	1942	3888	9011	2002	3504	8081	4215	5835
June	1392	3916	9786	2061	4178	8521	4258	5907
1987-88 : Sept.	1629	4101	10382	2185	3870	8805	4415	6394
Dec.	4120	4353	10874	2104	4314	9821	4515	6397
Mar.	1631	4254	9799	2116	4058	8775	4475	6484
June	1327	4186	10156	2129	4428	9083	4503	6637
1988-89 : Sept.	1549	4666	10794	2256	4315	9380	4729	6728
Dec.	4439	4572	11293	2188	4634	10412	4956	6862
Mar.	1570	4415	10143	2188	4149	9302	4684	6971
June	1380	4572	11058	2224	4823	9841	4723	7106

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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	7134	16571	7007	12130	1824	5311	140294
1975-76	7516	18133	7110	12658	1723	5238	143958
1976-77	7539	18837	7171	13309	1947	5048	149583
1977-78	7669	19799	7216	14062	1821	4921	151627
1978-79	7879	20525	7306	14803	2128	4842	159051
1979-80	7726	20932	7416	15589	2020	5057	163432
1980-81	8055	22123	7627	16438	2341	5621	169130
1981-82	8254	22427	7883	17122	2453	5665	176715
1982-83	8197	23143	7865	17058	2286	5582	180244
1983-84	8994	24101	8146	17873	2436	6153	189115
1984-85	9259	26412	8383	19323	2527	6049	211244
1985-86	9245	26574	8722	18741	3045	5571	222200
1986-87	9496	27438	8785	19151	2707	5748	224117
1987-88	9764	28432	9156	19539	2944	5931	235146
1988-89	9770	29030	9464	19958	3847	7979	247474
1974-75 : Sept.	1739	4067	1708	2976	544	1349	40066
Dec.	1755	4095	1806	3016	498	1321	42297
Mar.	1790	4143	1750	3080	388	1328	38928
June	1853	4266	1743	3089	374	1313	39025
1975-76 : Sept.	1882	4404	1755	3115	422	1270	39914
Dec.	1884	4510	1824	3148	422	1247	43005
Mar.	1878	4579	1796	3180	442	1260	39729
June	1872	4640	1735	3215	446	1261	40135
1976-77 : Sept.	1881	4671	1765	3257	486	1245	4205
Dec.	1874	4698	1804	3294	499	1241	44860
Mar.	1884	4704	1794	3351	511	1276	41065
June	1898	4748	1797	3477	472	1276	41767
1977-78 : Sept.	1910	4863	1764	3444	470	1241	42835
Dec.	1907	4937	1865	3493	473	1224	45194
Mar.	1919	4973	1804	3539	454	1229	40939
June	1933	5024	1783	3584	460	1225	42666
1978-79 : Sept.	1946	5085	1817	3628	536	1220	43811
Dec.	1968	5114	1889	3679	550	1224	47167
Mar.	1960	5104	1832	3725	598	1245	44008
June	1975	5120	1768	3773	524	1253	44067
1979-80 : Sept.	1941	5270	1782	3820	471	1238	45421
Dec.	1913	5338	1905	3871	537	1217	49343
Mar.	1914	5160	1890	3927	531	1297	43875
June	1958	5164	1839	3975	481	1305	44793
1980-81 : Sept.	1961	5377	1877	4026	564	1324	46816
Dec.	2011	5408	1943	4082	600	1383	50083
Mar.	2035	5312	1898	4138	599	1446	45480
June	2048	5326	1889	4192	578	1468	46751
1981-82 : Sept.	2114	5472	1944	4251	689	1432	48381
Dec.	2057	5579	2029	4265	643	1522	52574
Mar.	2059	5505	1983	4291	670	1423	47152
June	2024	5601	1929	4315	654	1430	48608
1982-83 : Sept.	2024	5831	1948	4342	655	1377	49172
Dec.	2048	5847	2045	4367	555	1379	49984
Mar.	2057	5685	1954	4390	515	1385	44671
June	2084	5780	1918	4409	544	1441	46617
1983-84 : Sept.	2171	6102	1984	4431	600	1521	48170
Dec.	2204	6148	2126	4486	591	1524	52843
Mar.	2229	5998	2048	4481	604	1567	48373
June	2290	6234	1968	4505	641	1541	49715
1984-85 : Sept.	2317	6356	2031	4528	769	1516	51499
Dec.	2309	6359	2131	4559	703	1491	54033
Mar.	2280	6211	2137	4586	754	1573	50630
June	2303	6486	2077	4613	701	1509	53082
1985-86 : Sept.	2287	6472	2096	4642	845	1423	55122
Dec.	2284	6676	2273	4673	778	1489	59485
Mar.	2304	6503	2209	4701	728	1381	52892
June	2368	6723	2144	4725	694	1378	54701
1986-87 : Sept.	2381	6831	2144	4751	720	1369	55414
Dec.	2418	6818	2262	4776	798	1392	58932
Mar.	2365	6661	2217	4800	653	1481	53804
June	2428	7028	2161	4824	685	1524	55967
1987-88 : Sept.	2418	7118	2239	4844	721	1640	57483
Dec.	2411	7134	2360	4870	756	1672	62481
Mar.	2436	6951	2372	4905	737	1695	56905
June	2439	7259	2262	4918	730	1840	58277
1988-89 : Sept.	2428	7348	2350	4958	858	1958	60348
Dec.	2430	7373	2404	4975	997	2007	65734
Mar.	2417	7186	2372	5005	899	2043	59164
June	2495	7613	2338	5033	993	1971	62228

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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.	1519	2515	9002	1172	3006	7143	2169	3769
Dec.	1830	2707	8667	1171	3042	7150	2454	3731
Mar.	1751	2740	7838	1172	3043	7171	2441	3691
June	1822	2699	7853	1204	2943	7117	2443	3681
1975-76 : Sept.	1825	2417	8215	1180	3224	7094	2437	3646
Dec.	1827	2590	8664	1215	3178	7081	2424	3658
Mar.	1820	2468	8259	1246	3124	7038	2417	3677
June	2014	2712	8571	1270	3202	7154	2459	3675
1976-77 : Sept.	1941	2816	8387	1297	3321	7341	2494	3714
Dec.	1843	2648	8807	1321	3349	7483	2461	3733
Mar.	1960	2815	8434	1313	3345	7222	2659	3713
June	1984	2830	8515	1331	3345	7194	2659	3704
1977-78 : Sept.	1915	2927	8312	1329	3382	7215	2779	3756
Dec.	1954	2784	8384	1346	3185	7209	2807	3760
Mar.	1860	2787	8387	1315	3276	7018	2891	3738
June	1810	2852	8405	1349	3280	7171	2912	3753
1978-79 : Sept.	2313	2876	8590	1359	3240	7243	2989	3786
Dec.	2425	2892	8707	1369	3341	7324	3005	3844
Mar.	2319	2914	8875	1415	3345	7274	2912	3901
June	2143	2912	8936	1429	3402	7391	2949	4026
1979-80 : Sept.	2027	2931	9193	1465	3401	7503	2943	4050
Dec.	2057	2942	9099	1488	3385	7679	2981	4127
Mar.	1920	2468	9231	1507	3402	7663	3029	4171
June	1904	2650	9099	1508	3457	7631	3087	4231
1980-81 : Sept.	1777	2787	9194	1527	3677	7795	3293	4190
Dec.	1749	2833	9394	1544	3694	7840	3324	4198
Mar.	1489	2914	9426	1565	3644	7787	3285	4532
June	1722	2778	9355	1589	3415	7928	3354	4404
1981-82 : Sept.	1954	2594	9494	1620	3867	8048	3350	4590
Dec.	2053	2714	9634	1622	3812	8172	3401	4543
Mar.	2158	2675	9549	1664	3862	8253	3430	4728
June	2053	2974	9578	1704	3479	8279	3501	4671
1982-83 : Sept.	1462	2852	9342	1715	3649	8077	3390	4717
Dec.	1583	2843	8615	1714	3434	8021	3352	4594
Mar.	1523	2836	8404	1694	3291	7448	3409	4537
June	1432	2948	8698	1718	3514	7604	3395	4685
1983-84 : Sept.	1350	2984	8689	1733	3227	7847	3404	4658
Dec.	2292	3015	8857	1773	3389	7974	3504	4744
Mar.	2236	3221	9064	1794	3352	8125	3489	4760
June	2294	3348	9070	1823	3544	8140	3703	4794
1984-85 : Sept.	2201	3413	9241	1864	3543	8324	3822	4953
Dec.	2285	3457	9184	1897	3704	8447	3871	5079
Mar.	2344	3472	9454	1900	3724	8612	3844	5172
June	2391	3867	9639	1920	3730	8702	3844	5247
1985-86 : Sept.	2234	4292	9686	1935	3905	8806	3999	5342
Dec.	2219	4039	9978	1938	3925	8943	4148	5362
Mar.	2232	4104	9714	2009	3779	8448	4027	5460
June	2230	3931	9659	2009	3925	8701	4146	5447
1986-87 : Sept.	2264	3781	9659	1981	3848	8743	4144	5795
Dec.	2281	3823	9645	2004	3738	8594	4178	5937
Mar.	2309	4004	9700	2039	3527	8492	4251	5944
June	2350	3999	9844	2070	3909	8627	4294	6249
1987-88 : Sept.	2178	3949	10041	2097	3940	8858	4403	6393
Dec.	2187	4502	10254	2149	4140	9133	4440	6399
Mar.	2271	4577	10558	2155	4149	9202	4543	6580
June	2084	4283	10218	2139	4227	9163	4542	6870
1988-89 : Sept.	2201	4489	10399	2145	4365	9421	4717	6725
Dec.	2244	4736	10860	2272	4472	9441	4718	6867
Mar.	2244	4736	10860	2272	4472	9441	4718	6867
June	2309	4683	11126	2233	4614	9940	4760	7080

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TABLE 14 (continued): GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY, SEASONALLY ADJUSTED (\$ 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	Sept.	1738	3990	1731	2976	544	1354	40320
	Dec.	1765	4059	1746	3016	490	1334	40484
	Mar.	1790	4191	1753	3050	390	1319	39604
	June	1853	4331	1778	3088	393	1334	39681
1975-76	Sept.	1882	4418	1779	3115	399	1276	40374
	Dec.	1884	4497	1763	3148	413	1260	40860
	Mar.	1878	4629	1798	3180	444	1255	40327
	June	1884	4744	1794	3351	513	1247	41482
1976-77	Sept.	1881	4613	1789	3257	469	1270	42052
	Dec.	1874	4654	1794	3304	491	1274	42339
	Mar.	1884	4744	1794	3351	513	1247	42727
	June	1898	4927	1795	3397	496	1257	42720
1977-78	Sept.	1910	4952	1787	3446	453	1246	42709
	Dec.	1907	4988	1805	3493	430	1239	42688
	Mar.	1919	4951	1802	3539	456	1271	42718
	June	1933	5107	1823	3584	484	1215	43516
1978-79	Sept.	1946	5063	1840	3628	516	1225	44194
	Dec.	1948	5061	1829	3679	543	1257	44725
	Mar.	1960	5090	1828	3725	501	1234	44893
	June	1975	5215	1810	3773	550	1243	45299
1979-80	Sept.	1941	5149	1803	3620	452	1243	45455
	Dec.	1913	5276	1844	3871	530	1270	46212
	Mar.	1914	5253	1885	3923	535	1288	45787
	June	1958	5255	1885	3975	505	1295	45902
1980-81	Sept.	1961	5384	1899	4024	540	1329	46721
	Dec.	2011	5433	1899	4082	594	1399	47422
	Mar.	2035	5116	1892	4138	604	1436	47411
	June	2048	5290	1938	4192	608	1458	47065
1981-82	Sept.	2114	5308	1967	4201	637	1437	48277
	Dec.	2057	5557	1962	4265	636	1337	49135
	Mar.	2059	5617	1977	4291	678	1414	49519
	June	2024	5675	1980	4315	687	1419	49703
1982-83	Sept.	2006	5848	1972	4342	621	1381	48832
	Dec.	2048	5747	1975	4367	649	1395	47457
	Mar.	2057	5777	1948	4390	523	1378	48440
	June	2086	5771	1969	4409	570	1431	47688
1983-84	Sept.	2171	6135	2011	4431	572	1524	48708
	Dec.	2204	6173	2052	4456	583	1542	49470
	Mar.	2229	6032	2041	4481	617	1557	50088
	June	2240	6143	2040	4505	670	1532	50884
1984-85	Sept.	2317	6320	2060	4528	733	1517	51804
	Dec.	2309	6317	2064	4559	691	1508	52294
	Mar.	2280	6401	2129	4586	772	1523	52148
	June	2303	6375	2133	4613	731	1501	53996
1985-86	Sept.	2297	6546	2126	4642	807	1423	55194
	Dec.	2196	6619	2196	4673	763	1404	55825
	Mar.	2304	6685	2198	4701	748	1373	55428
	June	2368	6723	2202	4725	723	1372	55639
1986-87	Sept.	2381	6736	2176	4751	689	1368	55610
	Dec.	2352	6724	2186	4776	683	1407	55514
	Mar.	2365	6767	2205	4800	672	1452	55947
	June	2398	7111	2219	4824	714	1521	57088
1987-88	Sept.	2418	6928	2269	4846	691	1438	57383
	Dec.	2411	7058	2284	4870	737	1490	58857
	Mar.	2434	7213	2282	4895	759	1748	59482
	June	2439	7293	2323	4924	761	1805	59191
1988-89	Sept.	2428	7270	2381	4945	823	1955	60374
	Dec.	2430	7316	2327	4975	968	2028	61813
	Mar.	2417	7399	2358	5005	1030	2030	62614
	June	2490	7645	2400	5033	1035	1946	63287

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	6888	720	1245	1857	2928	2329	1570
1978-79	6813	699	1316	1922	3081	2482	1612
1979-80	6886	768	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	1963	3274	2521	1851
1983-84	6938	770	1386	1935	3415	2614	1862
1984-85	7023	848	1423	2030	3718	2682	1909
1985-86	7126	947	1522	2113	3695	2958	1901
1986-87	7283	886	1424	2003	3964	3354	1811
1987-88	7681	1068	1327	2050	4244	3648	1913
1988-89	7903	1136	1388	2085	4540	3727	2061
1976-77 : Sept.	1578	188	347	513	707	537	445
Dec.	1708	204	345	518	753	580	436
Mar.	1552	164	277	434	674	539	365
June	1610	186	293	460	718	587	362
1977-78 : Sept.	1652	188	334	470	768	561	391
Dec.	1788	190	301	499	767	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	302	419	729	590	394
June	1617	190	348	467	794	636	407
1979-80 : Sept.	1713	196	349	523	861	618	451
Dec.	1805	210	359	492	847	682	427
Mar.	1675	178	315	456	775	604	384
June	1693	204	331	512	804	614	459
1980-81 : Sept.	1754	197	380	552	846	637	448
Dec.	1935	210	356	535	867	618	444
Mar.	1690	161	309	446	797	626	423
June	1684	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	191	294	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	674	399
Mar.	1683	170	319	444	805	679	367
June	1744	224	360	496	894	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	664	480
1985-86 : Sept.	1765	201	404	590	1009	711	517
Dec.	1884	251	350	556	1089	753	494
Mar.	1728	198	310	458	899	755	435
June	1749	297	358	508	918	739	455
1986-87 : Sept.	1789	268	366	507	957	793	457
Dec.	1862	210	382	533	1054	862	487
Mar.	1746	174	338	449	930	824	406
June	1786	234	338	514	1023	873	461
1987-88 : Sept.	1874	273	365	556	1088	901	468
Dec.	2072	259	342	554	1120	918	505
Mar.	1910	248	327	476	1042	905	484
June	1825	292	333	514	1014	904	456
1988-89 : Sept.	1906	283	385	525	1121	929	532
Dec.	2150	294	354	540	1208	921	541
Mar.	1973	242	298	460	1038	921	496
June	1874	317	351	560	1173	956	494

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
1974-77	2899	2581	3273	3862	1462	31399
1977-78	2892	2559	3064	3729	1631	31212
1978-79	3086	2720	3114	3882	1766	32535
1979-80	3167	2863	3393	3997	1787	33543
1980-81	3524	2990	3210	4249	1862	34644
1981-82	3524	3098	3407	4435	1922	35494
1982-83	3548	3442	3238	4712	1749	32660
1983-84	3580	2570	3184	3517	1784	33300
1984-85	3690	2578	3494	3702	1901	34788
1985-86	3827	2715	3440	3894	1961	36201
1986-87	3817	2677	2922	3848	2030	34019
1987-88	3994	3142	2950	3774	2235	38026
1988-89	4333	3267	3210	3949	2380	40101
1976-77 : Sept.	758	629	828	1035	401	1966
Dec.	766	666	860	1034	438	2008
Mar.	660	602	891	891	367	17242
June	715	694	870	902	434	17843
1977-78 : Sept.	719	646	759	944	464	17896
Dec.	714	661	794	1032	399	18175
Mar.	719	584	704	792	351	17224
June	740	666	807	961	417	17617
1978-79 : Sept.	753	687	785	965	459	18505
Dec.	762	719	782	1047	459	18505
Mar.	768	621	687	885	404	17637
June	783	693	862	965	444	18224
1979-80 : Sept.	867	758	914	1034	480	18760
Dec.	829	762	932	1059	469	18875
Mar.	859	652	703	920	407	17928
June	813	693	841	984	431	18380
1980-81 : Sept.	873	719	821	1082	473	18782
Dec.	914	794	838	1113	503	19149
Mar.	854	713	698	959	406	18082
June	883	768	853	1095	460	18631
1981-82 : Sept.	924	809	867	1161	498	19096
Dec.	894	836	867	1176	531	19264
Mar.	836	711	735	1014	444	18168
June	880	742	938	1084	449	18952
1982-83 : Sept.	855	753	977	1142	494	18940
Dec.	698	661	823	950	453	18357
Mar.	664	565	660	780	387	17195
June	830	663	778	840	415	18048
1983-84 : Sept.	890	625	847	905	447	18338
Dec.	860	651	810	947	480	18565
Mar.	776	608	694	784	433	17462
June	874	696	891	891	434	18400
1984-85 : Sept.	952	671	897	931	502	18873
Dec.	964	694	851	923	519	18863
Mar.	839	582	781	880	452	18129
June	935	629	965	948	428	18923
1985-86 : Sept.	1008	740	948	945	464	19302
Dec.	1001	707	939	1063	448	19051
Mar.	914	600	729	913	416	18356
June	904	668	824	975	533	18928
1986-87 : Sept.	976	694	880	1054	530	19271
Dec.	962	705	890	939	515	19051
Mar.	898	603	627	933	443	18373
June	981	675	725	922	542	19074
1987-88 : Sept.	1001	775	764	1001	580	19426
Dec.	1038	838	757	895	603	19897
Mar.	938	741	640	917	528	18086
June	1017	769	769	941	514	19417
1988-89 : Sept.	1042	872	804	988	584	19971
Dec.	1021	847	863	1005	637	10471
Mar.	1062	772	671	926	543	14025
June	1138	876	869	1050	616	10254

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	721	560	391
June	1573	185	281	480	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	467	725	580	392
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	632	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	646	439
Dec.	1796	202	351	505	837	593	443
Mar.	1791	182	346	506	854	646	457
June	1664	210	337	523	866	625	425
1981-82 : Sept.	1705	200	357	532	874	636	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	386
June	1701	164	347	498	819	631	397
1983-84 : Sept.	1686	181	328	446	825	644	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	877	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.	1768	261	367	523	1008	735	474
Mar.	1790	232	351	524	967	736	473
June	1793	270	354	508	922	751	452
1986-87 : Sept.	1802	245	333	477	944	799	443
Dec.	1841	220	377	501	992	843	487
Mar.	1804	204	383	513	1000	824	462
June	1833	212	336	515	1030	890	458
1987-88 : Sept.	1888	250	332	523	1054	905	455
Dec.	1944	269	337	520	1134	898	482
Mar.	1974	291	325	488	1121	928	528
June	1874	264	331	514	1023	922	452
1988-89 : Sept.	1920	259	351	494	1105	932	518
Dec.	2017	310	349	524	1184	901	514
Mar.	2039	283	337	527	1117	920	541
June	1923	287	349	490	1184	975	480

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	3776
	Dec.	751	630	823	962	419	3688
	Mar.	680	655	815	975	380	3605
	June	723	691	853	920	437	3695
1977-78	Sept.	704	633	734	914	435	3707
	Dec.	702	625	758	942	381	3711
	Mar.	743	639	826	945	395	3774
	June	748	664	772	979	419	3974
1978-79	Sept.	734	672	757	933	431	3965
	Dec.	764	680	746	977	437	4073
	Mar.	736	676	792	973	451	4029
	June	791	693	825	1001	469	4285
1979-80	Sept.	839	737	876	995	452	4524
	Dec.	914	723	894	992	465	4637
	Mar.	897	710	815	1015	451	4559
	June	819	694	806	997	434	4457
1980-81	Sept.	838	804	775	1037	447	4825
	Dec.	857	754	804	1047	475	4910
	Mar.	900	776	814	1042	446	4910
	June	885	764	819	1055	475	4974
1981-82	Sept.	881	786	815	1108	472	4903
	Dec.	878	755	834	1114	505	4934
	Mar.	893	774	859	1123	463	4967
	June	877	740	902	1090	485	4981
1982-83	Sept.	811	791	911	1086	470	4662
	Dec.	891	829	798	907	425	4866
	Mar.	718	817	772	862	418	4794
	June	824	861	749	842	432	4665
1983-84	Sept.	843	806	785	859	424	4806
	Dec.	830	819	791	914	451	4820
	Mar.	842	806	808	817	447	4826
	June	866	895	704	891	451	4920
1984-85	Sept.	903	849	835	879	480	4956
	Dec.	888	860	892	903	488	4935
	Mar.	910	838	883	952	487	4966
	June	926	831	934	873	444	4937
1985-86	Sept.	961	714	877	887	444	4981
	Dec.	978	668	918	1054	516	5025
	Mar.	891	659	863	974	469	5007
	June	899	675	798	983	549	4996
1986-87	Sept.	935	667	816	886	509	4956
	Dec.	935	665	673	944	485	4943
	Mar.	971	662	714	965	480	4992
	June	978	686	703	932	554	5129
1987-88	Sept.	961	741	710	934	557	5000
	Dec.	1007	789	757	904	548	5005
	Mar.	1013	814	738	960	574	5052
	June	1015	803	766	974	534	5094
1988-89	Sept.	1002	832	747	920	562	5062
	Dec.	1057	798	860	1021	600	5336
	Mar.	1146	849	777	969	591	5332
	June	1136	894	866	1066	628	5596

Recommended retail price: \$7.50



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