

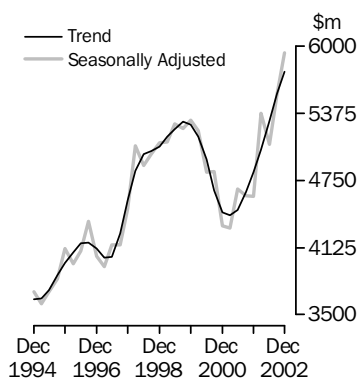


ENGINEERING CONSTRUCTION ACTIVITY

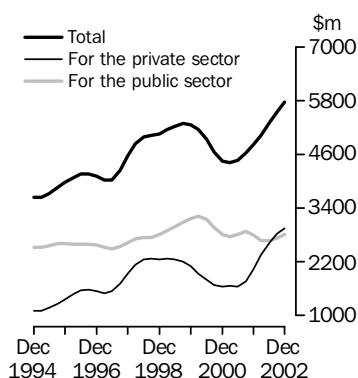
AUSTRALIA

EMBARGO: 11.30AM (CANBERRA TIME) TUES 15 APR 2003

Value of work done

Total engineering
Volume terms

Value of work done

Volume terms
Trend estimates

- For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070 or Andrew Stidston on Adelaide 08 8237 7668.

KEY FIGURES

	Dec qtr 02	Sep qtr 02 to Dec qtr 02	Dec qtr 01 to Dec qtr 02
	\$m	% change	% change
TREND ESTIMATES VOLUME TERMS (a)			
Value of work done			
For the private sector	2 947.9	4.4	45.2
For the public sector(b)	2 821.3	3.1	0.9
Total engineering construction	5 765.1	3.7	19.5

SEASONALLY ADJUSTED VOLUME TERMS (a)

	Dec qtr 02	Sep qtr 02 to Dec qtr 02	Dec qtr 01 to Dec qtr 02
	\$m	% change	% change
Value of work done			
For the private sector	3 069.4	9.9	77.0
For the public sector(b)	2 869.2	4.1	—
Total engineering construction	5 938.6	7.0	29.0

— nil or rounded to zero (including null cells)

(a) Chain volume measures, reference year 2000–01.

(b) Includes work done by the private sector for the public sector and work done by the public sector.

KEY POINTS

VALUE OF CONSTRUCTION WORK DONE, VOLUME TERMS

TREND ESTIMATES

- The trend estimate for the value of total engineering construction work done has risen for seven consecutive quarters with a rise of 3.7% in the December quarter 2002.
- The trend estimate for the value of work done for the private sector has risen for six consecutive quarters with the rate of growth easing in recent quarters. A rise of 4.4% was recorded for the December quarter 2002. Work done for the public sector has increased by 2.2% and 3.1% in the September and December 2002 quarters following falls in the previous three quarters.

SEASONALLY ADJUSTED ESTIMATES

- The seasonally adjusted estimate for the value of total engineering construction work done in the December quarter 2002 rose 7.0% to \$5,938.6m.
- The value of work done for the private sector rose 9.9% and the value of work done for the public sector rose 4.1% in the December quarter 2002.

ORIGINAL ESTIMATES

- The value of work done in the December quarter 2002 rose 13.1% to \$6,101.7m, following a 2.4% fall in the September quarter 2002.
- The value of work done for the private sector rose 10.9% to \$3,212.8m in the December quarter 2002, and was 75.5% higher than the December quarter 2001 estimate. The value of work done for the public sector rose 15.7% to \$2,888.9m in the December quarter 2002, marginally higher than the December quarter 2001 estimate.

NOTES

FORTHCOMING ISSUES

ISSUE (Quarter)	RELEASE DATE
March 2003	17 July 2003
June 2003	10 October 2003



CHANGES IN THIS ISSUE

As foreshadowed in the previous issue, this publication has been expanded to include two additional tables (9 and 25) showing details of Total engineering construction activity by type and Work done for the public sector.

SIGNIFICANT REVISIONS THIS QUARTER

The seasonally adjusted and trend series have been revised as a result of the annual re-analysis of seasonal factors. For more details, see paragraphs 22–23 of the Explanatory Notes.

Estimates for Other minerals have been revised for the September quarter 2002 by \$74.7m in work commenced and \$74.3m in work done for this commodity group.

DATA NOTES

In April 2000, the ABS released the publication *Information Paper: ABS Statistics and The New Tax System* (cat. no. 1358.0), which foreshadowed changes in the statistical infrastructure supporting the compilation of ABS economic series. The changes allow better use of data available from the taxation system to improve efficiency, coverage and sample design.

As foreshadowed in the previous issue of this publication, estimates from the Engineering Construction Survey for the December quarter 2002 have been compiled using the new statistical infrastructure. It was also foreshadowed that the historical engineering construction series would be adjusted so that all estimates were presented on the new basis. However, close examination of the estimates found this was not necessary, as the change to the new infrastructure resulted in insignificant changes in the estimates. A temporary effect of the introduction of this new sample design has been an increase in the sample error.

The publication *Information Paper: Improvements in ABS Economic Statistics (Arising from The New Tax System)* (cat. no. 1372.0), was released on 6 May 2002. That paper described the changes in more detail and provided information about the treatment of statistical impacts of the changes across ABS economic series. See also paragraphs 7–15 of the Explanatory Notes.

Dennis Trewin
Australian Statistician

LIST OF TABLES

page

TABLES

1	Value of work done, chain volume measures	4
2	Value of work done, chain volume measures, change from previous period	5
3	Value of work done	6
4	Value of work done, change from previous period	7
5	Value of work done, states and territories	8
6	Value of work done, states and territories, change from previous period	9
7	Activity, states and territories	10
8	Activity, states and territories, change from previous period	11
9	Activity, by type	12
10	Work commenced by the private sector, by type	14
11	Work done by the private sector, by type	16
12	Work yet to be done by the private sector, by type	18
13	Activity by the public sector, by type	20
14	Activity for the public sector, by type	22
15	Activity, by type, New South Wales	24
16	Activity, by type, Victoria	25
17	Activity, by type, Queensland	26
18	Activity, by type, South Australia	27
19	Activity, by type, Western Australia	28
20	Activity, by type, Tasmania	29
21	Activity, by type, Northern Territory	30
22	Activity, by type, Australian Capital Territory	31
23	Value of work done by the private sector, states and territories	32
24	Value of work done by the public sector, states and territories	33
25	Value of work done for the public sector, states and territories	34
26	Relative standard errors, Australia, by sector	35
27	Relative standard errors, states and territories, by type of work	36

VALUE OF WORK DONE, Chain volume measures(a)

BY THE PRIVATE SECTOR

Period	For the private sector	For the public sector	Total	By the public sector	Total for the public sector(b)	Total
	\$m	\$m	\$m	\$m	\$m	\$m
ORIGINAL						
1999-00	8 043.1	4 629.6	12 673.5	7 916.2	12 545.8	20 589.8
2000-01	6 682.3	4 255.6	10 937.9	7 206.6	11 462.2	18 144.5
2001-02	8 727.8	3 773.1	12 501.0	7 173.3	10 946.4	19 674.3
2001						
September	1 871.4	935.7	2 807.1	1 597.5	2 533.2	4 404.6
December	1 831.0	1 020.4	2 851.5	1 862.2	2 882.6	4 713.6
2002						
March	2 565.8	885.7	3 451.5	1 580.0	2 465.7	5 031.5
June	2 459.7	931.3	3 390.9	2 133.6	3 064.9	5 524.6
September	2 896.5	897.9	3 794.5	1 598.2	2 496.2	5 392.7
December	3 212.8	1 093.7	4 306.6	1 795.1	2 888.9	6 101.7

SEASONALLY ADJUSTED

2001						
September	1 792.9	976.7	2 769.6	1 839.5	2 816.3	4 609.2
December	1 734.6	1 001.7	2 736.3	1 866.7	2 868.4	4 603.0
2002						
March	2 733.6	914.0	3 647.6	1 725.8	2 639.8	5 373.4
June	2 466.8	880.7	3 347.5	1 741.3	2 622.0	5 088.8
September	2 793.6	927.8	3 721.4	1 829.5	2 757.3	5 550.8
December	3 069.4	1 073.6	4 143.0	1 795.6	2 869.2	5 938.6

TREND

2001						
September	1 766.7	1 001.5	2 767.9	1 873.6	2 875.1	4 641.3
December	2 030.1	962.2	2 992.2	1 833.1	2 795.3	4 825.3
2002						
March	2 350.4	919.3	3 269.7	1 767.3	2 686.6	5 037.0
June	2 626.2	911.2	3 540.0	1 765.5	2 676.7	5 305.6
September	2 823.9	951.0	3 776.0	1 785.5	2 736.5	5 561.5
December	2 947.9	1 010.9	3 953.0	1 810.4	2 821.3	5 765.1

- (a) Reference year for chain volume measures is 2000-01. See paragraphs 27-30 of the Explanatory Notes.
- (b) Includes work done by the private sector for the public sector and work done by the public sector.

VALUE OF WORK DONE, Chain volume measures(a)—Change from previous period

BY THE PRIVATE SECTOR

Period	For the private sector	For the public sector	Total	By the public sector	Total for the public sector(b)	Total
	%	%	%	%	%	%

ORIGINAL

1999-00	-11.5	10.3	-4.5	9.7	10.0	0.5
2000-01	-16.9	-8.1	-13.7	-9.0	-8.6	-11.9
2001-02	30.6	-11.3	14.3	-0.5	-4.5	8.4
2001						
September	10.6	-13.2	1.4	-30.7	-25.1	-13.2
December	-2.2	9.0	1.6	16.6	13.8	7.0
2002						
March	40.1	-13.2	21.0	-15.2	-14.5	6.7
June	-4.1	5.1	-1.8	35.0	24.3	9.8
September	17.8	-3.6	11.9	-25.1	-18.6	-2.4
December	10.9	21.8	13.5	12.3	15.7	13.1

SEASONALLY ADJUSTED

2001						
September	4.7	-3.5	1.7	-5.6	-4.9	-1.3
December	-3.3	2.6	-1.2	1.5	1.9	-0.1
2002						
March	57.6	-8.8	33.3	-7.5	-8.0	16.7
June	-9.8	-3.6	-8.2	0.9	-0.7	-5.3
September	13.2	5.4	11.2	5.1	5.2	9.1
December	9.9	15.7	11.3	-1.9	4.1	7.0

TREND

2001						
September	6.7	-1.3	3.7	3.9	2.1	3.8
December	14.9	-3.9	8.1	-2.2	-2.8	4.0
2002						
March	15.8	-4.5	9.3	-3.6	-3.9	4.4
June	11.7	-0.9	8.3	-0.1	-0.4	5.3
September	7.5	4.4	6.7	1.1	2.2	4.8
December	4.4	6.3	4.7	1.4	3.1	3.7

(a) Reference year for chain volume measures is 2000-01. See paragraphs 27-30 of the Explanatory Notes.

(b) Includes work done by the private sector for the public sector and work done by the public sector.

VALUE OF WORK DONE

BY THE PRIVATE SECTOR

Period	For the private sector	For the public sector	Total	By the public sector	Total for the public sector(a)	Total
	\$m	\$m	\$m	\$m	\$m	\$m

ORIGINAL

1999-00	7 786.0	4 468.9	12 254.9	7 652.6	12 121.6	19 907.5
2000-01	6 682.3	4 254.8	10 937.2	7 206.6	11 461.4	18 143.7
2001-02	8 899.0	3 831.7	12 730.7	7 300.6	11 132.3	20 031.3
2001						
September	1 897.7	946.3	2 844.0	1 615.7	2 562.0	4 459.8
December	1 863.2	1 028.9	2 892.1	1 889.7	2 918.6	4 781.8
2002						
March	2 611.4	899.2	3 510.7	1 609.5	2 508.8	5 120.2
June	2 526.7	957.2	3 483.9	2 185.7	3 142.9	5 669.6
September	3 015.7	930.6	3 946.3	1 643.0	2 573.6	5 589.4
December	3 379.4	1 146.0	4 525.4	1 860.3	3 006.3	6 385.7

SEASONALLY ADJUSTED

2001						
September	1 828.5	990.1	2 818.6	1 859.8	2 849.9	4 678.4
December	1 779.5	1 012.5	2 792.0	1 893.9	2 906.4	4 685.9
2002						
March	2 810.3	930.3	3 740.6	1 757.9	2 688.2	5 498.5
June	2 561.9	907.1	3 468.9	1 783.8	2 690.8	5 252.7
September	2 907.6	963.9	3 871.6	1 880.8	2 844.7	5 752.4
December	3 227.5	1 127.0	4 354.5	1 860.9	2 987.8	6 215.4

TREND

2001						
September	1 801.0	1 008.9	2 809.9	1 899.2	2 908.1	4 709.1
December	2 080.9	974.7	3 055.6	1 844.9	2 819.6	4 900.5
2002						
March	2 421.4	936.3	3 357.7	1 800.4	2 736.7	5 158.1
June	2 719.2	937.2	3 656.4	1 808.0	2 745.2	5 464.4
September	2 944.8	988.9	3 933.7	1 838.2	2 827.1	5 771.9
December	3 104.0	1 070.8	4 174.8	1 876.0	2 946.8	6 050.8

(a) Includes work done by the private sector for the public sector and work done by the public sector.

VALUE OF WORK DONE, Change from previous period

 BY THE PRIVATE SECTOR

Period	For the private sector	For the public sector	Total	By the public sector	Total for the public sector(a)	Total
	%	%	%	%	%	%

 ORIGINAL

1999-00	-7.6	13.0	-1.0	12.5	12.7	3.8
2000-01	-14.2	-4.8	-10.8	-5.8	-5.4	-8.9
2001-02	33.2	-9.9	16.4	1.3	-2.9	10.4
2001						
September	11.1	-12.7	1.9	-30.5	-24.8	-12.8
December	-1.8	8.7	1.7	17.0	13.9	7.2
2002						
March	40.2	-12.6	21.4	-14.8	-14.0	7.1
June	-3.2	6.4	-0.8	35.8	25.3	10.7
September	19.4	-2.8	13.3	-24.8	-18.1	-1.4
December	12.1	23.1	14.7	13.2	16.8	14.2

 SEASONALLY ADJUSTED

2001						
September	5.5	-2.9	2.4	-5.4	-4.6	-0.8
December	-2.7	2.3	-0.9	1.8	2.0	0.2
2002						
March	57.9	-8.1	34.0	-7.2	-7.5	17.3
June	-8.8	-2.5	-7.3	1.5	0.1	-4.5
September	13.5	6.3	11.6	5.4	5.7	9.5
December	11.0	16.9	12.5	-1.1	5.0	8.0

 TREND

2001						
September	7.4	-1.8	3.9	-0.2	-0.8	2.2
December	15.5	-3.4	8.7	-2.9	-3.0	4.1
2002						
March	16.4	-3.9	9.9	-2.4	-2.9	5.3
June	12.3	0.1	8.9	0.4	0.3	5.9
September	8.3	5.5	7.6	1.7	3.0	5.6
December	5.4	8.3	6.1	2.1	4.2	4.8

(a) Includes work done by the private sector for the public sector and work done by the public sector.

VALUE OF WORK DONE, States and territories

<i>Period</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>	<i>Aust.</i>
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
ORIGINAL									
1999-00	6 231.0	3 451.0	5 221.4	1 424.8	2 775.4	254.0	276.8	273.0	19 907.5
2000-01	6 156.5	3 216.4	4 744.4	1 129.5	2 256.6	264.2	168.3	207.9	18 143.7
2001-02	5 597.6	3 389.0	4 627.5	1 417.4	3 119.3	453.8	1 226.7	199.9	20 031.3
2001									
September	1 341.2	710.9	1 149.1	306.4	800.4	42.4	69.6	39.8	4 459.8
December	1 526.9	849.4	1 145.4	355.7	710.4	65.6	73.3	55.1	4 781.8
2002									
March	1 163.4	852.5	1 027.7	369.8	701.2	157.3	800.7	47.5	5 120.2
June	1 566.1	976.2	1 305.3	385.5	907.3	188.5	283.1	57.4	5 669.6
September	1 383.2	977.1	1 348.4	316.5	1 015.8	109.9	389.1	49.3	5 589.4
December	1 651.0	1 028.4	1 457.6	512.9	1 212.1	92.6	379.0	52.0	6 385.7
SEASONALLY ADJUSTED									
2001									
September	1 428.0	752.7	1 163.6	329.6	847.9	55.0	60.9	43.5	4 678.4
December	1 479.9	874.7	1 106.4	361.3	689.5	69.7	64.4	58.7	4 685.9
2002									
March	1 333.3	832.6	1 133.5	387.2	735.1	145.1	969.6	47.0	5 498.5
June	1 367.3	922.1	1 220.4	340.7	847.6	156.2	315.1	50.5	5 252.7
September	1 433.2	1 031.5	1 361.3	341.2	1 073.2	143.5	342.8	54.0	5 752.4
December	1 638.4	1 057.4	1 408.4	520.8	1 175.7	98.4	333.9	55.6	6 215.4
TREND									
2001									
September	1 470.1	798.3	1 154.4	339.5	728.1	66.5	60.6	50.0	4 709.1
December	1 422.0	819.8	1 128.1	363.7	738.3	62.6	70.1	50.6	4 900.5
2002									
March	1 368.4	866.9	1 145.6	355.6	762.4	65.6	66.9	50.9	5 158.1
June	1 385.7	931.9	1 231.6	359.8	871.7	75.6	96.2	51.3	5 464.4
September	1 463.2	1 001.4	1 330.8	393.8	1 032.6	87.0	166.0	52.8	5 771.9
December	1 580.0	1 072.5	1 418.6	452.5	1 178.5	99.4	260.0	56.0	6 050.8

VALUE OF WORK DONE, States and territories—Change from previous period

<i>Period</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>	<i>Aust.</i>
	%	%	%	%	%	%	%	%	%
ORIGINAL									
1999-00	11.3	-11.2	14.1	37.2	-16.0	-3.0	-20.7	59.4	3.8
2000-01	-1.2	-6.8	-9.1	-20.7	-18.7	4.0	-39.2	-23.8	-8.9
2001-02	-9.1	5.4	-2.5	25.5	38.2	71.7	629.1	-3.9	10.4
2001									
September	-23.2	-16.4	-11.1	-16.5	21.3	-55.7	46.2	-29.5	-12.8
December	13.8	19.5	-0.3	16.1	-11.2	54.8	5.4	38.2	7.2
2002									
March	-23.8	0.4	-10.3	3.9	-1.3	139.9	992.2	-13.6	7.1
June	34.6	14.5	27.0	4.3	29.4	19.8	-64.6	20.8	10.7
September	-11.7	0.1	3.3	-17.9	12.0	-41.7	37.5	-14.2	-1.4
December	19.4	5.3	8.1	62.0	19.3	-15.8	-2.6	5.5	14.2
SEASONALLY ADJUSTED									
2001									
September	-6.6	-6.0	-3.8	1.4	37.7	-30.6	14.2	-14.0	-0.8
December	3.6	16.2	-4.9	9.6	-18.7	26.8	5.7	34.9	0.2
2002									
March	-9.9	-4.8	2.4	7.2	6.6	108.0	1 405.4	-20.0	17.3
June	2.6	10.8	7.7	-12.0	15.3	7.7	-67.5	7.4	-4.5
September	4.8	11.9	11.5	0.2	26.6	-8.2	8.8	7.1	9.5
December	14.3	2.5	3.5	52.7	9.6	-31.4	-2.6	3.0	8.0
TREND									
2001									
September	-0.3	1.2	-0.4	11.8	8.1	-5.0	21.6	4.0	2.2
December	-3.3	2.7	-2.3	7.1	1.4	-5.9	15.7	1.2	4.1
2002									
March	-3.8	5.7	1.6	-2.2	3.3	4.7	-4.6	0.6	5.3
June	1.3	7.5	7.5	1.2	14.3	15.3	43.8	0.8	5.9
September	5.6	7.5	8.1	9.4	18.5	15.1	72.7	2.8	5.6
December	8.0	7.1	6.6	14.9	14.1	14.2	56.6	6.1	4.8

ACTIVITY, States and territories: Original

<i>Period</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>	<i>Aust.</i>
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
VALUE OF WORK COMMENCED DURING PERIOD									
1999-00	6 221.6	3 605.7	5 747.1	1 348.2	3 210.6	260.1	241.2	266.4	20 900.8
2000-01	5 655.2	3 271.8	3 810.7	1 239.1	2 504.0	247.2	166.7	186.3	17 081.0
2001-02	5 530.6	3 490.8	5 071.5	1 628.5	4 682.1	484.3	2 227.4	207.9	23 323.2
2001									
September	1 667.9	861.6	1 405.1	394.7	2 091.5	67.2	634.9	53.1	7 175.9
December	1 461.3	828.2	874.2	303.3	539.2	174.6	67.6	48.5	4 296.7
2002									
March	1 172.3	768.3	731.5	454.6	729.1	172.2	1 419.2	48.2	5 495.4
June	1 229.2	1 032.7	2 060.8	476.0	1 322.3	70.4	105.8	58.2	6 355.2
September	2 763.5	1 551.7	2 397.7	321.3	1 517.1	99.0	27.5	38.3	8 716.2
December	1 247.4	1 265.9	997.6	709.7	725.5	81.4	91.6	49.7	5 168.8
VALUE OF WORK DONE DURING PERIOD									
1999-00	6 231.0	3 451.0	5 221.4	1 424.8	2 775.4	254.0	276.8	273.0	19 907.5
2000-01	6 156.5	3 216.4	4 744.4	1 129.5	2 256.6	264.2	168.3	207.9	18 143.7
2001-02	5 597.6	3 389.0	4 627.5	1 417.4	3 119.3	453.8	1 226.7	199.9	20 031.3
2001									
September	1 341.2	710.9	1 149.1	306.4	800.4	42.4	69.6	39.8	4 459.8
December	1 526.9	849.4	1 145.4	355.7	710.4	65.6	73.3	55.1	4 781.8
2002									
March	1 163.4	852.5	1 027.7	369.8	701.2	157.3	800.7	47.5	5 120.2
June	1 566.1	976.2	1 305.3	385.5	907.3	188.5	283.1	57.4	5 669.6
September	1 383.2	977.1	1 348.4	316.5	1 015.8	109.9	389.1	49.3	5 589.4
December	1 651.0	1 028.4	1 457.6	512.9	1 212.1	92.6	379.0	52.0	6 385.7
VALUE OF WORK YET TO BE DONE									
1999-00	2 129.7	998.4	2 393.1	216.5	796.0	43.4	29.6	58.6	6 665.4
2000-01	1 319.3	1 043.6	2 044.1	337.2	994.5	47.9	73.6	16.4	5 876.4
2001-02	1 261.7	1 292.4	2 732.5	606.1	2 546.7	64.6	1 044.0	30.6	9 578.7
2001									
September	1 582.5	1 128.5	2 268.1	382.7	2 443.8	50.3	612.5	36.0	8 504.4
December	1 517.0	1 088.1	2 003.5	332.3	2 255.7	160.3	610.0	32.8	7 999.6
2002									
March	1 475.7	1 163.4	2 009.8	468.8	2 286.7	174.9	1 226.0	29.0	8 834.3
June	1 261.7	1 292.4	2 732.5	606.1	2 546.7	64.6	1 044.0	30.6	9 578.7
September	2 584.5	1 889.2	3 640.6	654.5	3 098.3	56.5	672.0	27.0	12 622.6
December	2 303.4	2 223.9	3 147.8	932.9	2 697.2	75.8	393.1	22.6	11 796.9

ACTIVITY, States and territories—Change from previous period: **Original**

<i>Period</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>	<i>Aust.</i>
	%	%	%	%	%	%	%	%	%
.....									
VALUE OF WORK COMMENCED DURING PERIOD									
1999-00	5.2	3.7	30.6	13.6	29.5	30.6	-39.6	37.3	14.5
2000-01	-9.1	-9.3	-33.7	-8.1	-22.0	-5.0	-30.9	-30.1	-18.3
2001-02	-2.2	6.7	33.1	31.4	87.0	95.9	1 236.1	11.6	36.5
2001									
September	19.2	-0.8	34.2	11.2	321.3	4.2	819.6	13.2	65.1
December	-12.4	-3.9	-37.8	-23.2	-74.2	159.9	-89.4	-8.6	-40.1
2002									
March	-19.8	-7.2	-16.3	49.9	35.2	-1.4	1 999.5	-0.6	27.9
June	4.9	34.4	181.7	4.7	81.3	-59.1	-92.5	20.7	15.6
September	124.8	50.3	16.4	-32.5	14.7	40.6	-74.0	-34.1	37.2
December	-54.9	-18.4	-58.4	120.9	-52.2	-17.8	232.5	29.6	-40.7
.....									
VALUE OF WORK DONE DURING PERIOD									
1999-00	11.3	-11.2	14.1	37.2	-16.0	-3.0	-20.7	59.4	3.8
2000-01	-1.2	-6.8	-9.1	-20.7	-18.7	4.0	-39.2	-23.8	-8.9
2001-02	-9.1	5.4	-2.5	25.5	38.2	71.7	629.1	-3.9	10.4
2001									
September	-23.2	-16.4	-11.1	-16.5	21.3	-55.7	46.2	-29.5	-12.8
December	13.8	19.5	-0.3	16.1	-11.2	54.8	5.4	38.2	7.2
2002									
March	-23.8	0.4	-10.3	3.9	-1.3	139.9	992.2	-13.6	7.1
June	34.6	14.5	27.0	4.3	29.4	19.8	-64.6	20.8	10.7
September	-11.7	0.1	3.3	-17.9	12.0	-41.7	37.5	-14.2	-1.4
December	19.4	5.3	8.1	62.0	19.3	-15.8	-2.6	5.5	14.2
.....									
VALUE OF WORK YET TO BE DONE									
1999-00	-4.7	9.0	55.6	-50.9	-23.8	36.5	-67.9	19.8	5.0
2000-01	-38.1	4.5	-14.6	55.7	24.9	10.4	148.3	-72.0	-11.8
2001-02	-4.4	23.8	33.7	79.8	156.1	34.8	1 319.2	87.2	63.0
2001									
September	20.0	8.1	11.0	13.5	145.7	5.0	732.7	119.7	44.7
December	-4.1	-3.6	-11.7	-13.2	-7.7	218.6	-0.4	-8.9	-5.9
2002									
March	-2.7	6.9	0.3	41.1	1.4	9.1	101.0	-11.4	10.4
June	-14.5	11.1	36.0	29.3	11.4	-63.1	-14.8	5.5	8.4
September	104.8	46.2	33.2	8.0	21.7	-12.5	-35.6	-12.0	31.8
December	-10.9	17.7	-13.5	42.5	-12.9	34.1	-41.5	-16.4	-6.5

ACTIVITY, By type: Original

<i>Period</i>	<i>Roads, highways and subdivisions</i>	<i>Bridges</i>	<i>Railways</i>	<i>Harbours</i>	<i>Water storage and supply</i>	<i>Sewerage and drainage</i>	<i>Electricity generation, transmission and distribution</i>	<i>Pipelines</i>	<i>Recreation</i>
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
.....									
VALUE OF WORK COMMENCED DURING PERIOD									
1999-00	5 756.4	267.9	828.3	141.4	808.9	1 465.6	3 297.3	395.2	1 036.7
2000-01	4 662.0	235.4	648.1	193.1	700.5	772.3	2 198.6	251.3	979.4
2001-02	4 968.0	349.5	1 111.0	392.0	574.2	827.2	3 082.8	1 281.2	1 089.3
2001									
September	1 466.1	159.3	887.2	122.1	130.5	297.1	923.9	47.1	288.4
December	1 150.1	66.4	108.9	51.6	151.4	252.4	691.7	179.6	240.0
2002									
March	1 202.5	55.3	48.4	159.8	126.9	149.4	744.9	109.8	260.8
June	1 149.3	68.5	66.4	58.5	165.4	128.3	722.4	944.7	300.0
September	1 493.6	117.5	1 963.0	144.7	216.6	471.7	833.0	101.5	438.7
December	1 630.1	43.0	72.3	58.1	170.2	165.1	507.7	525.0	318.6
.....									
VALUE OF WORK DONE DURING PERIOD									
1999-00	5 873.4	461.6	770.8	167.0	722.0	1 071.5	2 692.6	462.0	1 073.4
2000-01	5 266.4	331.3	608.1	198.5	626.1	978.2	3 002.4	287.4	1 010.9
2001-02	5 179.7	326.3	867.2	320.1	592.8	729.6	3 121.4	547.9	1 141.4
2001									
September	1 188.4	76.5	159.5	103.7	148.6	159.2	755.2	45.4	257.8
December	1 338.6	75.2	200.0	69.5	146.9	180.1	877.3	54.1	281.7
2002									
March	1 238.5	74.5	210.9	70.8	136.3	184.5	677.6	152.6	278.1
June	1 414.3	100.1	296.7	76.1	161.0	205.8	811.3	295.8	323.8
September	1 256.3	81.8	270.6	96.6	125.2	207.1	792.5	215.5	363.9
December	1 763.8	78.9	372.0	73.0	144.5	245.0	833.5	250.3	394.0
.....									
VALUE OF WORK YET TO BE DONE DURING PERIOD									
1999-00	2 299.0	133.8	475.8	37.2	332.7	612.7	1 362.9	48.7	127.5
2000-01	1 623.1	91.1	377.7	53.1	464.4	252.8	1 114.6	22.3	108.3
2001-02	1 275.7	115.1	611.5	140.9	398.7	346.7	1 371.0	832.4	88.6
2001									
September	1 870.4	163.8	1 079.8	72.9	368.9	395.3	1 209.0	33.9	126.3
December	1 730.1	167.6	999.1	72.2	381.8	455.7	956.6	155.4	108.7
2002									
March	1 686.3	146.4	838.7	165.0	397.2	419.3	1 477.5	166.2	88.3
June	1 275.7	115.1	611.5	140.9	398.7	346.7	1 371.0	832.4	88.6
September	1 547.9	146.4	2 304.4	197.4	323.4	565.3	1 430.5	722.2	153.6
December	1 512.5	124.2	2 006.3	200.9	277.1	583.9	1 158.1	984.9	168.3

ACTIVITY, By type: **Original** *continued*

Period	Telecom-	Oil, gas, coal	Other	Other	Total
	munications	and other	heavy		
	\$m	\$m	\$m	\$m	\$m
.....					
VALUE OF WORK COMMENCED DURING PERIOD					
1999-00	3 865.9	2 506.3	379.4	151.6	20 900.8
2000-01	4 265.7	1 586.3	425.7	162.6	17 081.0
2001-02	3 273.2	5 881.8	254.8	238.2	23 323.2
2001					
September	774.8	1 940.3	66.2	72.8	7 175.9
December	853.3	446.8	56.1	48.6	4 296.7
2002					
March	718.0	1 802.6	58.3	*58.6	5 495.4
June	927.1	1 692.1	74.2	*58.2	6 355.2
September	663.9	2 099.7	103.3	*68.8	8 716.2
December	650.8	957.7	*13.7	56.4	5 168.8

.....					
VALUE OF WORK DONE DURING PERIOD					
1999-00	3 897.9	2 195.6	352.6	167.1	19 907.5
2000-01	3 883.4	1 463.7	321.7	165.6	18 143.7
2001-02	3 467.4	3 139.5	365.7	232.4	20 031.3
2001					
September	791.0	612.7	100.7	61.0	4 459.8
December	883.8	526.4	96.8	51.5	4 781.8
2002					
March	797.7	1 158.5	79.9	60.2	5 120.2
June	994.8	841.9	88.4	*59.7	5 669.6
September	760.4	1 276.6	72.5	*70.2	5 589.4
December	719.4	1 398.1	60.0	53.1	6 385.7

.....					
VALUE OF WORK YET TO BE DONE DURING PERIOD					
1999-00	230.1	845.5	153.4	6.1	6 665.4
2000-01	757.9	786.2	200.8	23.9	5 876.4
2001-02	531.4	3 740.8	109.5	16.4	9 578.7
2001					
September	644.4	2 332.0	172.2	35.5	8 504.4
December	574.7	2 240.3	135.2	22.4	7 999.6
2002					
March	439.4	2 871.2	115.7	22.9	8 834.3
June	531.4	3 740.8	109.5	16.4	9 578.7
September	437.3	4 655.2	126.3	12.6	12 622.6
December	359.8	4 301.5	106.8	12.5	11 796.9

* estimate has a relative standard error of between 25% and 50% and should be used with caution

WORK COMMENCED BY THE PRIVATE SECTOR, By type: **Original**

Period	Roads, highways and subdivisions	Bridges	Railways	Harbours	Water storage and supply	Sewerage and drainage	Electricity generation, transmission and distribution	Pipelines
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
BY THE PRIVATE SECTOR FOR THE PRIVATE SECTOR								
1999-00	1 516.4	32.5	36.1	66.6	169.6	155.5	1 388.6	328.3
2000-01	1 220.0	7.9	70.9	95.3	151.4	132.7	944.7	206.0
2001-02	1 564.5	70.5	575.7	127.2	126.0	208.3	1 327.1	1 241.7
2001								
September	391.6	34.6	490.7	34.3	36.2	72.5	361.2	37.4
December	355.5	18.4	27.9	8.0	29.0	31.9	294.0	169.3
2002								
March	379.3	3.1	16.0	74.3	*31.1	62.8	292.2	99.4
June	438.2	14.3	41.0	10.7	*29.8	41.2	379.8	935.7
September	471.6	34.6	159.7	94.0	43.1	52.2	251.4	91.3
December	699.7	3.3	42.1	23.4	30.0	45.4	223.3	512.9
BY THE PRIVATE SECTOR FOR THE PUBLIC SECTOR								
1999-00	2 415.0	137.1	152.6	56.7	155.7	1 006.7	277.0	36.6
2000-01	1 769.8	139.2	81.6	63.2	237.3	368.4	192.1	20.2
2001-02	1 568.1	165.8	54.8	206.0	107.2	321.3	614.0	11.4
2001								
September	384.3	69.5	9.3	73.4	12.2	56.1	25.0	3.1
December	405.4	33.2	10.7	31.6	31.3	161.1	202.1	2.0
2002								
March	435.6	*34.3	22.9	68.0	21.2	49.5	299.4	5.9
June	342.9	*28.8	11.9	33.0	42.6	54.6	87.5	*0.5
September	283.3	*32.8	1 477.1	*29.9	*22.3	201.7	20.6	**0.1
December	455.8	22.5	0.5	28.7	37.1	*51.1	*54.9	*0.2
TOTAL BY THE PRIVATE SECTOR								
1999-00	3 931.5	169.7	188.7	123.2	325.3	1 162.3	1 665.7	364.9
2000-01	2 989.8	147.1	152.4	158.6	388.8	501.1	1 136.8	226.2
2001-02	3 132.6	236.3	630.5	333.3	233.2	529.6	1 941.1	1 253.1
2001								
September	775.8	104.2	500.1	107.6	48.3	128.6	386.2	40.4
December	760.8	51.6	38.6	39.6	60.3	193.0	496.0	171.3
2002								
March	814.9	37.4	38.9	142.2	52.3	112.3	591.6	105.3
June	781.1	*43.1	52.9	43.8	72.3	95.7	467.3	936.1
September	754.9	67.4	1 636.8	123.9	65.4	253.9	272.0	91.4
December	1 155.4	25.7	42.6	52.1	67.2	96.5	278.3	513.1

* estimate has a relative standard error of between 25% and 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

Period	Recreation	Telecom- munications	Oil, gas, coal and other minerals	Other heavy industry	Other	Total
	\$m	\$m	\$m	\$m	\$m	\$m
BY THE PRIVATE SECTOR FOR THE PRIVATE SECTOR						
1999-00	697.6	267.1	2 485.4	333.8	127.9	7 605.5
2000-01	695.3	698.8	1 566.4	417.6	123.6	6 330.6
2001-02	786.9	295.7	5 878.6	254.6	194.9	12 651.7
2001						
September	183.1	104.5	1 939.8	66.1	56.4	3 808.3
December	183.3	91.1	445.3	56.0	36.4	1 746.1
2002						
March	198.6	64.1	1 802.2	58.3	*53.4	3 134.7
June	221.9	36.0	1 691.4	74.1	*48.6	3 962.6
September	287.0	29.3	2 098.3	103.2	*66.8	3 782.4
December	256.5	21.9	949.0	*13.7	52.8	2 874.3

BY THE PRIVATE SECTOR FOR THE PUBLIC SECTOR						
1999-00	173.7	185.0	21.0	7.0	20.5	4 644.6
2000-01	133.3	567.9	19.9	8.2	35.2	3 636.3
2001-02	136.3	190.5	2.6	0.3	41.8	3 420.1
2001						
September	21.2	59.2	0.5	0.1	15.6	729.5
December	24.7	47.0	1.5	0.1	11.5	962.1
2002						
March	*36.1	51.5	*0.4	—	5.2	1 029.9
June	*54.2	32.9	0.1	0.1	9.5	698.6
September	45.2	52.7	**0.1	**0.2	1.5	2 167.4
December	*26.3	39.6	*—	—	*3.5	720.1

TOTAL BY THE PRIVATE SECTOR						
1999-00	871.3	452.1	2 506.3	340.8	148.4	12 250.1
2000-01	828.6	1 266.7	1 586.2	425.7	158.8	9 966.9
2001-02	923.1	486.3	5 881.2	254.8	236.6	16 071.8
2001						
September	204.4	163.8	1 940.3	66.2	72.0	4 537.8
December	208.0	138.1	446.8	56.1	47.9	2 708.2
2002						
March	234.7	115.6	1 802.6	58.3	*58.6	4 164.6
June	276.1	68.9	1 691.5	74.2	*58.1	4 661.2
September	332.1	81.9	2 098.3	103.3	*68.3	5 949.8
December	282.8	61.5	949.1	*13.7	56.3	3 594.4

* estimate has a relative standard error of between 25% and 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

Period	Roads, highways and subdivisions	Bridges	Railways	Harbours	Water storage and supply	Sewerage and drainage	Electricity generation, transmission and distribution	Pipelines
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
BY THE PRIVATE SECTOR FOR THE PRIVATE SECTOR								
1999-00	1 704.5	103.4	153.4	79.3	170.9	149.2	1 349.1	411.5
2000-01	1 272.1	12.6	90.4	88.8	183.9	190.3	1 451.0	235.7
2001-02	1 544.7	32.8	269.7	102.8	141.2	155.5	1 349.2	500.2
2001								
September	364.2	1.2	32.0	43.3	35.5	31.1	345.0	36.7
December	361.7	4.2	44.7	19.3	34.4	35.2	391.2	42.7
2002								
March	368.4	9.2	81.3	17.1	34.7	40.1	321.6	139.0
June	450.5	18.3	111.7	23.1	*36.6	49.1	291.4	281.8
September	482.2	18.6	116.7	24.8	32.0	53.9	293.5	211.0
December	657.1	21.8	134.9	31.0	46.9	82.6	304.5	243.4
BY THE PRIVATE SECTOR FOR THE PUBLIC SECTOR								
1999-00	2 378.2	269.6	163.5	71.6	229.8	624.6	275.2	21.6
2000-01	2 331.8	219.7	106.0	69.6	194.5	541.5	249.5	27.1
2001-02	1 949.8	176.3	63.6	152.6	211.7	340.7	353.3	16.3
2001								
September	482.5	44.7	19.8	42.0	51.4	82.7	47.1	5.2
December	541.6	44.2	10.2	39.2	51.9	80.3	127.1	3.2
2002								
March	462.8	37.8	14.9	33.7	55.3	80.5	75.6	6.7
June	463.0	49.6	18.7	37.7	53.1	97.3	103.5	1.1
September	400.4	42.0	24.1	55.6	26.7	103.0	136.0	*0.1
December	610.1	33.9	85.4	33.8	32.1	99.2	122.8	*0.3
TOTAL BY THE PRIVATE SECTOR								
1999-00	4 082.7	373.0	316.9	150.9	400.7	773.8	1 624.3	433.1
2000-01	3 603.8	232.4	196.4	158.4	378.4	731.8	1 700.5	262.8
2001-02	3 494.5	209.1	333.3	255.4	352.8	496.2	1 702.5	516.5
2001								
September	846.7	45.9	51.8	85.3	86.8	113.8	392.1	41.9
December	903.2	48.3	54.9	58.5	86.3	115.5	518.3	45.9
2002								
March	831.2	47.0	96.2	50.9	90.0	120.5	397.2	145.8
June	913.5	67.9	130.3	60.8	89.7	146.4	394.9	282.9
September	882.6	60.6	140.8	80.4	58.8	157.0	429.5	211.2
December	1 267.2	55.6	220.2	64.8	79.0	181.8	427.3	243.7

* estimate has a relative standard error of between 25% and 50% and should be used with caution

Period	Recreation	Telecom- munications	Oil, gas, coal and other minerals	Other heavy industry	Other	Total
	\$m	\$m	\$m	\$m	\$m	\$m
BY THE PRIVATE SECTOR FOR THE PRIVATE SECTOR						
1999-00	695.9	350.1	2 149.8	333.9	134.9	7 786.0
2000-01	713.6	624.2	1 411.4	284.9	123.4	6 682.3
2001-02	779.6	362.1	3 105.7	364.9	190.6	8 899.0
2001						
September	186.6	79.3	598.8	100.2	43.9	1 897.7
December	188.6	87.9	514.3	96.7	42.4	1 863.2
2002						
March	194.6	119.5	1 153.6	79.8	*52.6	2 611.4
June	209.8	75.4	839.1	88.3	*51.7	2 526.7
September	276.1	92.9	1 275.2	72.4	*66.5	3 015.7
December	318.7	41.1	1 389.5	60.0	48.2	3 379.4

BY THE PRIVATE SECTOR FOR THE PUBLIC SECTOR						
1999-00	214.5	131.8	45.8	14.4	28.2	4 468.9
2000-01	145.5	261.5	52.3	17.4	38.4	4 254.8
2001-02	172.4	320.5	33.2	0.8	40.5	3 831.7
2001						
September	32.3	107.6	13.9	0.5	16.7	946.3
December	29.1	81.5	12.1	0.1	8.3	1 028.9
2002						
March	46.7	72.5	4.9	0.1	7.6	899.2
June	*64.2	58.9	2.2	0.1	7.8	957.2
September	47.2	91.5	**0.1	**0.2	3.5	930.6
December	33.8	89.7	*—	—	*4.8	1 146.0

TOTAL BY THE PRIVATE SECTOR						
1999-00	910.4	482.0	2 195.6	348.3	163.1	12 254.9
2000-01	859.2	885.7	1 463.7	302.3	161.7	10 937.2
2001-02	952.0	682.6	3 138.8	365.7	231.1	12 730.7
2001						
September	218.9	186.9	612.7	100.7	60.7	2 844.0
December	217.7	169.4	526.4	96.8	50.7	2 892.1
2002						
March	241.3	192.0	1 158.5	79.9	60.1	3 510.7
June	274.1	134.3	841.2	88.4	*59.6	3 483.9
September	323.3	184.4	1 275.2	72.5	*70.0	3 946.3
December	352.6	130.8	1 389.5	60.0	53.0	4 525.4

* estimate has a relative standard error of between 25% and 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use
— nil or rounded to zero (including null cells)

Period	Roads, highways and subdivisions	Bridges	Railways	Harbours	Water storage and supply	Sewerage and drainage	Electricity generation, transmission and distribution	Pipelines	Recreation
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
BY THE PRIVATE SECTOR FOR THE PRIVATE SECTOR									
1999-00	270.7	3.1	53.1	18.1	11.0	43.2	659.7	35.1	57.3
2000-01	206.4	0.2	52.1	30.6	16.5	16.1	457.6	16.0	34.8
2001-02	270.6	36.5	339.2	51.3	9.3	73.0	572.2	826.0	45.5
2001									
September	251.1	33.7	485.9	17.1	17.7	53.9	445.2	17.1	30.1
December	263.0	47.8	471.3	7.4	29.4	52.3	289.8	143.2	22.1
2002									
March	288.3	41.6	405.9	63.4	32.3	84.3	457.1	155.5	29.0
June	270.6	36.5	339.2	51.3	9.3	73.0	572.2	826.0	45.5
September	322.3	48.4	376.7	122.7	22.5	83.0	553.2	710.0	51.4
December	431.0	32.7	285.3	124.2	20.9	63.2	501.8	968.2	*72.6
BY THE PRIVATE SECTOR FOR THE PUBLIC SECTOR									
1999-00	1 721.0	110.9	78.8	15.9	102.6	442.5	119.0	12.4	38.2
2000-01	1 157.4	67.0	26.4	22.1	153.5	148.0	90.6	6.4	26.6
2001-02	766.6	57.4	26.2	88.2	46.8	149.9	345.2	—	13.1
2001									
September	1 089.7	82.3	15.7	53.8	116.2	135.9	74.9	2.8	17.3
December	997.4	82.5	23.7	60.8	97.2	216.2	148.1	1.5	15.5
2002									
March	987.4	79.1	33.5	96.1	58.8	180.3	397.7	0.7	*8.3
June	766.6	57.4	26.2	88.2	46.8	149.9	345.2	—	*13.1
September	633.6	50.0	1 484.5	68.4	46.1	245.3	236.2	—	9.9
December	554.0	50.3	1 399.9	62.8	61.5	268.0	174.8	—	16.3
TOTAL BY THE PRIVATE SECTOR									
1999-00	1 991.7	114.0	131.9	34.0	113.6	485.7	778.6	47.5	95.5
2000-01	1 363.8	67.1	78.5	52.7	170.0	164.2	548.1	22.3	61.4
2001-02	1 037.2	93.9	365.5	139.5	56.1	222.9	917.4	826.0	58.5
2001									
September	1 340.8	116.0	501.6	70.9	133.9	189.8	520.1	19.9	47.4
December	1 260.4	130.3	495.0	68.3	126.6	268.5	437.9	144.7	37.6
2002									
March	1 275.7	120.7	439.4	159.6	91.1	264.6	854.8	156.2	37.3
June	1 037.2	93.9	365.5	139.5	56.1	222.9	917.4	826.0	58.5
September	956.0	98.4	1 861.2	191.1	68.6	328.3	789.3	710.0	61.3
December	985.0	83.0	1 685.2	187.0	82.4	331.3	676.6	968.2	*88.9

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Period	Telecom-	Oil, gas, coal	Other	Other	Total
	munications	and other minerals	heavy industry		
	\$m	\$m	\$m	\$m	\$m

BY THE PRIVATE SECTOR FOR THE PRIVATE SECTOR

1999-00	206.1	784.1	118.9	3.6	2 263.9
2000-01	263.6	757.6	200.3	17.6	2 069.4
2001-02	114.0	3 740.8	109.5	8.9	6 196.7
2001					
September	295.5	2 316.8	172.1	29.5	4 165.9
December	279.1	2 235.8	135.1	13.0	3 989.4
2002					
March	165.9	2 871.0	115.7	17.7	4 727.5
June	114.0	3 740.8	109.5	8.9	6 196.7
September	52.8	4 655.2	126.3	6.5	7 131.0
December	20.5	4 301.5	106.8	7.3	6 936.1

BY THE PRIVATE SECTOR FOR THE PUBLIC SECTOR

1999-00	22.3	61.4	0.1	2.3	2 727.3
2000-01	490.8	28.6	0.5	6.3	2 224.1
2001-02	413.4	—	—	7.4	1 914.4
2001					
September	339.2	15.2	0.1	5.5	1 948.5
December	285.0	4.6	0.1	8.8	1 941.4
2002					
March	266.4	0.2	—	5.1	2 113.7
June	413.4	—	—	7.4	1 914.4
September	374.5	—	—	5.9	3 154.4
December	328.7	—	—	4.8	2 921.1

TOTAL BY THE PRIVATE SECTOR

1999-00	228.4	845.5	118.9	5.9	4 991.3
2000-01	754.4	786.2	200.8	23.9	4 293.5
2001-02	527.4	3 740.8	109.5	16.4	8 111.1
2001					
September	634.7	2 332.0	172.2	35.0	6 114.5
December	564.2	2 240.3	135.2	21.9	5 930.7
2002					
March	432.3	2 871.2	115.7	22.8	6 841.3
June	527.4	3 740.8	109.5	16.4	8 111.1
September	427.3	4 655.2	126.3	12.4	10 285.4
December	349.2	4 301.5	106.8	12.1	9 857.2

— nil or rounded to zero (including null cells)

Period	Roads, highways and subdivisions	Bridges	Railways	Harbours	Water storage and supply	Sewerage and drainage	Electricity generation, transmission and distribution	Pipelines
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
VALUE OF WORK COMMENCED DURING PERIOD								
1999-00	1 824.9	98.2	639.6	18.1	483.6	303.4	1 631.6	30.3
2000-01	1 672.2	88.3	495.7	34.5	311.7	271.2	1 061.8	25.2
2001-02	1 835.4	113.2	480.5	58.8	341.0	297.6	1 141.7	28.1
2001								
September	690.2	55.1	387.2	14.5	82.2	168.5	537.7	6.7
December	389.3	14.7	70.2	11.9	91.1	59.5	195.6	8.3
2002								
March	387.6	17.9	9.5	17.6	74.6	37.1	153.3	4.6
June	368.2	25.4	13.5	14.8	*93.1	32.6	255.1	8.6
September	738.7	50.1	326.2	20.8	151.2	217.7	561.1	*10.2
December	474.7	17.2	29.7	*6.0	*103.0	*68.5	229.5	**11.9
VALUE OF WORK DONE DURING PERIOD								
1999-00	1 790.7	88.6	453.8	16.1	321.2	297.7	1 068.3	28.9
2000-01	1 662.6	99.0	411.7	40.1	247.8	246.4	1 301.9	24.5
2001-02	1 685.2	117.1	533.9	64.6	239.9	233.4	1 418.9	31.4
2001								
September	341.7	30.6	107.8	18.4	61.7	45.4	363.1	3.5
December	435.4	26.8	145.1	11.0	60.6	64.6	359.0	8.2
2002								
March	407.3	27.6	114.7	19.9	46.3	64.0	280.4	6.9
June	500.8	32.1	166.4	15.3	71.3	59.4	416.3	12.8
September	373.7	21.2	129.8	16.2	66.4	50.1	363.0	4.3
December	496.6	23.3	151.8	*8.3	65.5	63.2	406.2	*6.6
VALUE OF WORK YET TO BE DONE								
1999-00	307.3	19.9	343.8	3.2	219.2	127.0	584.3	1.2
2000-01	259.3	23.9	299.2	0.4	294.4	88.6	566.5	—
2001-02	238.5	21.2	246.1	1.4	342.6	123.7	453.6	6.4
2001								
September	529.6	47.8	578.2	2.0	234.9	205.5	688.9	13.9
December	469.7	37.3	504.1	3.9	255.2	187.2	518.7	10.6
2002								
March	410.6	25.7	399.2	**5.5	306.1	154.8	622.8	10.1
June	238.5	*21.2	246.1	1.4	342.6	123.7	453.6	6.4
September	591.9	48.0	443.2	6.4	*254.7	237.0	641.2	*12.2
December	527.5	41.2	321.1	**14.0	*194.7	252.6	481.4	**16.7

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— nil or rounded to zero (including null cells)

Period	Recreation	Telecom- munications	Oil, gas, coal and other minerals	Other heavy industry	Other	Total
	\$m	\$m	\$m	\$m	\$m	\$m
VALUE OF WORK COMMENCED DURING PERIOD						
1999-00	165.4	3 413.8	—	38.7	3.1	8 650.7
2000-01	150.7	2 999.0	—	—	3.8	7 114.1
2001-02	166.1	2 786.9	0.7	—	1.6	7 251.4
2001						
September	84.1	611.0	—	—	0.8	2 638.0
December	32.0	715.2	—	—	0.7	1 588.5
2002						
March	26.2	602.4	—	—	—	1 330.8
June	23.9	858.2	0.7	—	—	1 694.0
September	106.6	582.0	1.4	—	0.5	2 766.4
December	35.7	589.3	8.7	—	**0.1	1 574.4

VALUE OF WORK DONE DURING PERIOD						
1999-00	163.0	3 415.9	—	4.3	4.0	7 652.6
2000-01	151.7	2 997.7	—	19.4	3.9	7 206.6
2001-02	189.4	2 784.8	0.7	—	1.2	7 300.6
2001						
September	38.9	604.2	—	—	0.3	1 615.7
December	64.0	714.4	—	—	0.7	1 889.7
2002						
March	36.8	605.7	—	—	—	1 609.5
June	49.8	860.5	0.7	—	0.1	2 185.7
September	40.6	576.1	1.4	—	0.2	1 643.0
December	41.4	588.7	8.7	—	**0.1	1 860.3

VALUE OF WORK YET TO BE DONE						
1999-00	31.9	1.6	—	34.5	0.2	1 674.1
2000-01	46.9	3.4	—	—	—	1 582.9
2001-02	30.1	4.0	—	—	—	1 467.6
2001						
September	78.8	9.7	—	—	0.5	2 389.9
December	71.1	10.6	—	—	0.5	2 068.9
2002						
March	51.1	7.1	—	—	0.1	1 993.0
June	30.1	4.0	—	—	—	1 467.6
September	92.4	10.0	—	—	0.3	2 337.2
December	79.4	10.6	—	—	*0.4	1 939.7

— nil or rounded to zero (including null cells)

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Period	Roads, highways and subdivisions	Bridges	Railways	Harbours	Water storage and supply	Sewerage and drainage	Electricity generation, transmission and distribution	Pipelines
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
VALUE OF WORK COMMENCED DURING PERIOD								
1999-00	4 239.9	235.4	792.2	74.8	639.3	1 310.1	1 908.6	66.9
2000-01	3 442.0	227.5	577.2	97.8	549.1	639.6	1 253.9	45.3
2001-02	3 403.5	279.0	535.3	264.8	448.2	618.9	1 755.6	39.5
2001								
September	1 074.5	124.7	396.5	87.9	94.4	224.6	562.7	9.7
December	794.6	48.0	80.9	43.6	122.4	220.6	397.7	10.3
2002								
March	823.2	52.1	32.4	85.5	95.8	86.6	452.7	10.4
June	711.1	54.2	25.4	47.8	*135.6	87.1	342.6	9.0
September	1 022.0	82.9	1 803.3	50.7	173.4	419.5	581.6	*10.2
December	930.5	39.7	30.2	34.7	140.2	119.7	284.4	**12.0
VALUE OF WORK DONE DURING PERIOD								
1999-00	4 168.9	358.2	617.4	87.7	551.1	922.3	1 343.5	50.5
2000-01	3 994.4	318.7	517.7	109.6	442.2	787.9	1 551.4	51.7
2001-02	3 635.0	293.4	597.5	217.2	451.6	574.1	1 772.2	47.7
2001								
September	824.2	75.3	127.6	60.4	113.1	128.1	410.2	8.7
December	976.9	71.0	155.3	50.2	112.5	144.8	486.1	11.4
2002								
March	870.1	65.4	129.6	53.6	101.6	144.5	356.0	13.6
June	963.8	81.8	185.0	53.0	124.4	156.7	519.9	14.0
September	774.1	63.2	153.9	71.8	93.2	153.2	499.0	4.5
December	1 106.7	57.2	237.1	42.1	97.6	162.4	529.0	*6.9
VALUE OF WORK YET TO BE DONE								
1999-00	2 028.2	130.7	422.7	19.1	321.7	569.5	703.3	13.6
2000-01	1 416.7	90.9	325.6	22.5	447.9	236.7	657.1	6.4
2001-02	1 005.1	78.6	272.3	89.7	389.4	273.7	798.8	6.4
2001								
September	1 619.3	130.1	593.9	55.8	351.1	341.4	763.8	16.7
December	1 467.1	119.8	527.8	64.8	352.3	403.3	666.8	12.1
2002								
March	1 398.0	104.8	432.8	101.6	364.9	335.1	1 020.5	10.7
June	1 005.1	78.6	272.3	89.7	389.4	273.7	798.8	6.4
September	1 225.6	98.0	1 927.8	74.8	*300.9	482.3	877.3	*12.2
December	1 081.5	91.5	1 721.0	76.7	*256.2	520.7	656.3	**16.7

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Period	Oil, gas, coal and other minerals					Total
	Recreation	Telecommunications	heavy industry	Other	Other	
	\$m	\$m	\$m	\$m	\$m	\$m
.....						
VALUE OF WORK COMMENCED DURING PERIOD						
1999-00	339.1	3 598.7	21.0	45.6	23.7	13 295.3
2000-01	284.1	3 566.9	19.9	8.2	39.0	10 750.4
2001-02	302.4	2 977.5	3.2	0.3	43.4	10 671.5
2001						
September	105.3	670.3	0.5	0.1	16.4	3 367.6
December	56.7	762.2	1.5	0.1	12.2	2 550.7
2002						
March	62.3	653.9	*0.4	—	5.2	2 360.7
June	78.1	891.1	0.8	0.1	9.5	2 392.6
September	151.7	634.7	1.4	**0.2	2.0	4 933.7
December	62.1	628.9	8.7	—	*3.6	2 294.5
.....						
VALUE OF WORK DONE DURING PERIOD						
1999-00	377.5	3 547.8	45.8	18.7	32.2	12 121.6
2000-01	297.2	3 259.2	52.3	36.8	42.2	11 461.4
2001-02	361.8	3 105.3	33.8	0.8	41.7	11 132.3
2001						
September	71.2	711.8	13.9	0.5	17.1	2 562.0
December	93.1	795.9	12.1	0.1	9.1	2 918.6
2002						
March	83.5	678.2	4.9	0.1	7.6	2 508.8
June	114.0	919.4	2.8	0.1	7.9	3 142.9
September	87.9	667.5	1.4	**0.2	3.7	2 573.6
December	75.3	678.3	8.7	—	*5.0	3 006.3
.....						
VALUE OF WORK YET TO BE DONE						
1999-00	70.1	24.0	61.4	34.5	2.6	4 401.4
2000-01	73.5	494.3	28.6	0.5	6.3	3 807.1
2001-02	43.2	417.4	—	—	7.4	3 382.1
2001						
September	96.1	348.9	15.2	0.1	6.0	4 338.5
December	86.6	295.6	4.6	0.1	9.3	4 010.2
2002						
March	59.4	273.5	0.2	—	5.2	4 106.8
June	43.2	417.4	—	—	7.4	3 382.1
September	102.2	384.5	—	—	6.1	5 491.6
December	95.7	339.3	—	—	5.2	4 860.8

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— nil or rounded to zero (including null cells)

Period	Roads, highways and subdivisions	Bridges, railways and harbours	Electricity generation, transmission etc. and pipelines	Water storage and supply, sewerage and drainage	Telecom- munications	Heavy industry	Recreation and other	Total
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
VALUE OF WORK COMMENCED DURING PERIOD								
1999-00	1 963.2	459.8	948.9	794.0	1 379.2	346.7	329.8	6 221.6
2000-01	1 409.5	573.8	804.3	465.3	1 715.4	413.1	273.8	5 655.2
2001-02	1 672.7	592.5	1 000.6	417.6	1 190.2	408.0	249.0	5 530.6
2001								
September	377.2	385.1	306.2	98.8	297.1	110.7	92.9	1 667.9
December	396.3	102.2	268.7	170.1	347.1	129.6	47.2	1 461.3
2002								
March	468.2	46.6	201.5	76.2	237.3	94.1	48.3	1 172.3
June	431.1	58.6	224.2	72.5	308.7	73.5	60.6	1 229.2
September	478.3	1 253.8	317.3	287.4	238.7	99.3	88.7	2 763.5
December	459.1	21.8	243.6	119.1	219.1	73.9	110.8	1 247.4
VALUE OF WORK DONE DURING PERIOD								
1999-00	2 015.8	489.0	1 023.2	586.3	1 456.2	293.2	367.3	6 231.0
2000-01	1 949.3	489.9	900.1	610.8	1 617.4	308.8	280.2	6 156.5
2001-02	1 752.2	607.1	920.9	433.7	1 235.9	392.8	254.9	5 597.6
2001								
September	406.7	150.9	207.1	109.6	294.1	94.7	78.1	1 341.2
December	493.9	156.4	284.6	104.1	329.7	104.0	54.3	1 526.9
2002								
March	378.6	123.1	165.4	89.3	275.1	82.6	49.3	1 163.4
June	473.0	176.7	263.8	130.6	337.1	111.6	73.1	1 566.1
September	473.6	128.6	213.0	119.3	276.0	108.0	*64.6	1 383.2
December	539.2	205.2	279.7	145.3	252.2	125.2	104.2	1 651.0
VALUE OF WORK YET TO BE DONE								
1999-00	1 008.0	112.8	163.8	571.7	48.3	179.9	45.3	2 129.7
2000-01	441.1	79.2	102.8	324.4	196.7	145.6	29.5	1 319.3
2001-02	369.1	61.2	150.5	245.0	185.4	233.7	16.8	1 261.7
2001								
September	408.5	308.8	194.3	222.5	193.5	212.0	42.8	1 582.5
December	318.0	255.9	151.8	312.8	209.2	239.1	30.2	1 517.0
2002								
March	378.1	179.4	187.1	299.0	143.6	254.4	34.1	1 475.7
June	369.1	61.2	150.5	245.0	185.4	233.7	16.8	1 261.7
September	375.9	1 185.7	245.9	365.3	149.9	226.7	35.1	2 584.5
December	330.1	1 022.3	231.8	395.9	118.1	150.8	54.5	2 303.4

* estimate has a relative standard error of between 25% and 50% and should be used with caution

<i>Period</i>	<i>Roads, highways and subdivisions</i>	<i>Bridges, railways and harbours</i>	<i>Electricity generation, transmission etc. and pipelines</i>	<i>Water storage and supply, sewerage and drainage</i>	<i>Telecom- munications</i>	<i>Heavy industry</i>	<i>Recreation and other</i>	<i>Total</i>
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
VALUE OF WORK COMMENCED DURING PERIOD								
1999-00	857.9	159.6	849.5	535.5	766.5	225.6	211.1	3 605.7
2000-01	815.5	66.5	727.5	220.8	1 017.7	152.3	271.6	3 271.8
2001-02	836.5	105.6	941.5	160.7	721.9	405.5	319.2	3 490.8
2001								
September	232.2	53.7	251.8	35.6	175.7	45.4	67.4	861.6
December	197.6	9.0	265.3	35.8	172.2	88.2	60.1	828.2
2002								
March	223.0	17.0	178.4	41.1	161.7	53.6	93.5	768.3
June	183.6	25.8	245.9	*48.3	212.3	218.4	98.3	1 032.7
September	201.1	600.8	233.3	*46.4	163.9	148.4	157.7	1 551.7
December	313.5	*14.2	389.0	24.6	97.6	333.1	93.9	1 265.9
VALUE OF WORK DONE DURING PERIOD								
1999-00	882.8	244.5	815.2	395.5	759.0	139.3	214.6	3 451.0
2000-01	758.5	132.2	833.0	223.8	849.8	162.3	256.8	3 216.4
2001-02	997.4	108.7	785.6	178.9	760.8	221.5	336.1	3 389.0
2001								
September	220.1	17.0	178.9	31.6	161.7	33.1	68.5	710.9
December	249.6	25.6	228.0	37.2	188.4	46.9	73.7	849.4
2002								
March	251.1	30.7	175.4	*54.3	187.9	60.0	93.0	852.5
June	276.5	35.4	203.3	*55.9	222.8	81.5	100.9	976.2
September	227.6	31.3	262.3	*45.8	186.6	83.8	139.6	977.1
December	330.5	37.5	263.3	27.8	116.5	115.3	*137.4	1 028.4
VALUE OF WORK YET TO BE DONE								
1999-00	324.8	76.4	239.3	108.3	93.8	138.5	17.2	998.4
2000-01	387.9	22.2	180.6	59.7	246.8	101.7	44.7	1 043.6
2001-02	284.8	35.0	385.4	55.1	150.4	359.0	22.8	1 292.4
2001								
September	428.2	59.7	248.7	69.6	169.0	112.8	40.6	1 128.5
December	392.4	59.1	250.4	60.9	131.9	159.7	33.8	1 088.1
2002								
March	372.2	45.5	388.8	64.5	90.4	174.2	27.9	1 163.4
June	284.8	35.0	385.4	55.1	150.4	359.0	22.8	1 292.4
September	270.1	615.4	368.3	58.8	129.9	413.7	*33.0	1 889.2
December	279.9	595.1	501.3	67.8	107.8	629.2	**42.8	2 223.9

* estimate has a relative standard error of between 25% and 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

Period	Roads, highways and subdivisions	Bridges, railways and harbours	Electricity generation, transmission etc. and pipelines	Water storage and supply, sewerage and drainage	Telecom- munications	Heavy industry	Recreation and other	Total
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
VALUE OF WORK COMMENCED DURING PERIOD								
1999-00	1 558.6	445.6	1 436.0	395.1	1 008.7	591.9	311.2	5 747.1
2000-01	977.6	257.5	598.7	479.7	720.7	503.9	272.6	3 810.7
2001-02	1 127.3	324.1	508.2	540.8	601.5	1 613.5	356.0	5 071.5
2001								
September	362.5	126.7	283.3	187.9	129.5	221.6	93.7	1 405.1
December	306.3	49.7	98.3	142.1	147.9	65.3	64.5	874.2
2002								
March	221.7	106.7	50.0	96.6	128.9	44.5	83.2	731.5
June	236.9	41.1	76.6	*114.2	195.2	1 282.2	114.5	2 060.8
September	432.4	54.7	269.3	268.4	115.9	1 098.2	158.8	2 397.7
December	463.1	47.9	48.2	*107.7	134.3	122.7	*73.8	997.6
VALUE OF WORK DONE								
1999-00	1 582.5	425.5	661.9	359.1	987.9	904.3	300.2	5 221.4
2000-01	1 268.8	342.7	1 231.1	439.6	730.1	435.8	296.4	4 744.4
2001-02	1 122.0	349.4	1 126.1	405.3	623.0	650.6	351.1	4 627.5
2001								
September	284.4	89.9	323.7	107.1	137.8	131.1	75.1	1 149.1
December	291.1	76.2	296.8	115.7	152.7	125.6	87.4	1 145.4
2002								
March	252.7	83.1	260.0	91.8	135.8	114.3	90.0	1 027.7
June	293.7	100.3	245.7	90.8	196.7	279.6	98.6	1 305.3
September	279.9	105.6	215.3	92.1	122.4	405.8	127.2	1 348.4
December	474.2	99.8	197.6	95.3	135.4	364.8	90.5	1 457.6
VALUE OF WORK YET TO BE DONE								
1999-00	684.2	375.9	977.6	170.0	55.0	107.9	22.4	2 393.1
2000-01	372.9	330.1	805.8	244.1	84.4	198.4	8.4	2 044.1
2001-02	335.3	325.5	443.6	363.1	33.2	1 201.0	30.8	2 732.5
2001								
September	398.2	374.5	739.2	343.2	83.9	301.7	27.3	2 268.1
December	442.2	358.5	534.7	341.4	58.3	247.1	21.3	2 003.5
2002								
March	422.5	385.4	621.6	345.7	34.7	185.9	14.0	2 009.8
June	335.3	325.5	443.6	363.1	33.2	1 201.0	30.8	2 732.5
September	505.1	275.9	488.3	372.9	25.2	1 910.7	62.4	3 640.6
December	498.6	242.2	343.7	300.6	24.6	1 695.8	42.3	3 147.8

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Period	Roads, highways and subdivisions	Bridges, railways and harbours	Electricity generation, transmission etc. and pipelines	Water storage and supply, sewerage and drainage	Telecom- munications	Heavy industry	Recreation and other	Total
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
VALUE OF WORK COMMENCED DURING PERIOD								
1999-00	413.7	67.9	255.3	107.9	216.6	149.6	137.1	1 348.2
2000-01	341.4	15.8	141.9	86.0	235.4	309.2	109.4	1 239.1
2001-02	394.2	15.7	434.6	63.7	229.0	372.4	118.8	1 628.5
2001								
September	121.8	5.3	89.5	24.8	54.6	63.7	35.0	394.7
December	69.8	0.7	77.7	19.0	58.2	48.0	29.9	303.3
2002								
March	102.8	3.1	53.4	9.5	52.2	205.4	28.1	454.6
June	99.9	**6.5	214.0	10.4	63.9	55.4	25.8	476.0
September	142.9	8.8	29.0	21.7	43.5	43.3	32.0	321.3
December	129.3	0.8	260.1	3.6	63.7	224.6	27.6	709.7
VALUE OF WORK DONE DURING PERIOD								
1999-00	385.0	67.9	420.2	91.2	215.4	106.4	138.6	1 424.8
2000-01	352.6	21.7	149.8	105.0	196.5	183.1	120.6	1 129.5
2001-02	370.8	17.3	247.1	90.7	269.3	302.3	120.0	1 417.4
2001								
September	64.6	7.1	52.9	22.2	59.3	73.5	26.8	306.4
December	74.3	3.7	79.7	22.9	64.2	80.0	30.8	355.7
2002								
March	112.0	2.2	67.7	25.4	66.3	65.2	30.9	369.8
June	120.0	*4.2	46.7	20.2	79.5	83.6	31.4	385.5
September	63.9	2.2	57.8	13.2	52.5	100.0	26.9	316.5
December	97.5	3.2	154.5	*17.9	68.6	141.3	30.0	512.9
VALUE OF WORK YET TO BE DONE								
1999-00	60.7	26.4	11.0	37.8	5.5	62.1	13.0	216.5
2000-01	34.6	16.9	9.0	33.5	45.4	187.9	10.0	337.2
2001-02	33.3	10.3	235.8	12.9	35.2	273.0	5.5	606.1
2001								
September	94.5	13.4	33.5	28.0	28.6	169.3	15.4	382.7
December	83.4	9.6	29.7	27.0	27.0	142.2	13.4	332.3
2002								
March	71.2	10.5	39.3	18.9	21.3	297.3	10.3	468.8
June	33.3	10.3	235.8	12.9	35.2	273.0	5.5	606.1
September	98.9	7.4	209.5	11.8	26.3	289.3	*11.4	654.5
December	126.9	4.7	316.0	*16.4	21.3	434.7	*12.9	932.9

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<i>Period</i>	<i>Roads, highways and subdivisions</i>	<i>Bridges, railways and harbours</i>	<i>Electricity generation, and transmission etc. and pipelines</i>	<i>Water storage and supply, sewerage and drainage</i>	<i>Telecommunications</i>	<i>Heavy industry</i>	<i>Recreation and other</i>	<i>Total</i>
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
.....								
VALUE OF WORK COMMENCED DURING PERIOD								
1999-00	756.3	64.4	67.8	377.0	307.3	1 541.7	96.1	3 210.6
2000-01	947.6	125.3	92.5	171.2	406.6	611.6	149.1	2 504.0
2001-02	672.4	170.3	1 202.4	92.3	354.7	1 969.8	220.3	4 682.1
2001								
September	288.2	56.7	23.8	18.5	84.1	1 563.6	56.6	2 091.5
December	134.9	34.9	22.6	21.1	86.7	170.5	68.5	539.2
2002								
March	127.7	*45.6	280.8	26.1	82.8	112.7	*53.3	729.1
June	121.6	*33.1	875.2	26.6	101.1	123.0	*41.8	1 322.3
September	206.6	303.5	28.6	45.6	71.2	808.8	52.7	1 517.1
December	200.1	61.1	54.8	50.2	104.1	205.3	*49.8	725.5
.....								
VALUE OF WORK DONE DURING PERIOD								
1999-00	752.2	141.2	109.9	290.6	309.8	1 054.5	117.3	2 775.4
2000-01	742.9	125.8	93.1	183.9	297.2	662.8	151.0	2 256.6
2001-02	708.7	171.9	314.8	136.5	408.4	1 126.6	252.3	3 119.3
2001								
September	168.9	53.6	22.6	24.2	99.7	377.7	53.6	800.4
December	168.8	49.4	21.1	28.2	105.2	264.4	73.2	710.4
2002								
March	190.0	*36.4	50.8	38.5	96.4	227.7	61.5	701.2
June	181.1	*32.4	220.3	45.6	107.1	256.8	*64.0	907.3
September	164.6	*61.1	186.2	40.1	85.9	422.1	55.7	1 015.8
December	260.4	93.8	149.5	63.2	111.2	467.7	66.3	1 212.1
.....								
VALUE OF WORK YET TO BE DONE								
1999-00	195.4	37.9	1.3	43.3	7.0	501.4	9.8	796.0
2000-01	363.3	47.8	0.3	45.9	149.6	349.5	38.0	994.5
2001-02	193.4	46.1	948.2	22.5	97.0	1 219.7	19.9	2 546.7
2001								
September	481.9	38.4	4.6	41.1	138.9	1 705.1	33.7	2 443.8
December	449.1	35.2	3.7	38.8	120.3	1 583.3	25.3	2 255.7
2002								
March	389.2	47.0	286.0	35.9	103.0	1 408.2	17.5	2 286.7
June	193.4	46.1	948.2	22.5	97.0	1 219.7	*19.9	2 546.7
September	251.5	297.5	808.0	41.4	82.3	1 601.8	15.7	3 098.3
December	218.3	253.7	702.6	50.9	66.4	1 383.4	21.9	2 697.2

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Period	Roads, highways and subdivisions	Bridges, railways and harbours	Electricity generation, transmission etc. and pipelines	Water storage and supply, sewerage and drainage	Telecom- munications	Heavy industry	Recreation and other	Total
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
VALUE OF WORK COMMENCED DURING PERIOD								
1999-00	93.0	26.9	36.9	27.7	53.1	1.6	21.0	260.1
2000-01	86.5	5.5	55.0	24.0	58.5	2.6	15.1	247.2
2001-02	83.8	20.8	254.2	34.2	72.7	4.5	14.1	484.3
2001								
September	17.7	17.7	11.9	6.3	10.2	—	3.3	67.2
December	19.6	1.7	133.4	4.3	12.5	0.2	2.9	174.6
2002								
March	28.2	*1.1	88.2	14.1	33.6	**2.3	4.6	172.2
June	18.2	0.3	20.8	9.4	16.5	1.9	3.3	70.4
September	14.0	1.4	51.1	*14.1	10.8	4.0	3.6	99.0
December	24.5	3.9	25.0	**16.7	7.2	0.6	*3.3	81.4
VALUE OF WORK DONE DURING PERIOD								
1999-00	97.3	14.7	41.3	22.9	53.3	3.4	21.2	254.0
2000-01	104.6	14.8	50.5	15.8	58.5	5.5	14.5	264.2
2001-02	83.3	18.6	252.8	23.4	58.3	3.7	13.7	453.8
2001								
September	11.1	2.3	12.4	3.4	10.3	—	2.8	42.4
December	24.3	6.7	13.1	5.8	12.5	0.2	3.1	65.6
2002								
March	23.5	5.0	105.7	*5.0	13.2	**0.9	3.9	157.3
June	24.4	4.6	121.5	9.1	22.4	*2.6	4.0	188.5
September	11.3	4.0	67.2	*8.1	15.2	0.2	3.9	109.9
December	26.6	6.1	24.5	*21.1	8.6	3.1	*2.7	92.6
VALUE OF WORK YET TO BE DONE								
1999-00	15.6	16.7	6.0	3.3	—	—	1.7	43.4
2000-01	9.7	1.5	33.4	2.7	—	—	0.6	47.9
2001-02	7.7	6.5	31.7	12.6	4.6	0.5	1.0	64.6
2001								
September	14.9	16.9	13.4	4.3	—	—	0.8	50.3
December	10.4	14.3	131.7	3.0	—	—	1.0	160.3
2002								
March	14.6	10.6	113.8	12.9	20.4	**0.9	1.7	174.9
June	7.7	6.5	31.7	12.6	4.6	**0.5	1.0	64.6
September	10.7	3.8	19.6	16.6	—	3.8	*2.1	56.5
December	15.3	6.0	35.2	13.3	—	4.2	1.9	75.8

— nil or rounded to zero (including null cells)

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<i>Period</i>	<i>Roads, highways and subdivisions</i>	<i>Bridges, railways and harbours</i>	<i>Electricity generation, and transmission etc. and pipelines</i>	<i>Water storage and supply, sewerage and drainage</i>	<i>Telecom- munications</i>	<i>Heavy industry</i>	<i>Recreation and other</i>	<i>Total</i>
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
VALUE OF WORK COMMENCED DURING PERIOD								
1999-00	64.4	13.5	54.7	17.9	43.6	28.8	18.4	241.2
2000-01	35.4	31.7	14.5	12.3	37.1	19.2	16.7	166.7
2001-02	95.2	621.3	13.4	72.1	48.1	1 363.0	14.3	2 227.4
2001								
September	42.2	521.2	3.9	50.6	11.3	1.6	4.1	634.9
December	11.4	28.6	2.0	5.6	12.2	1.0	6.7	67.6
2002								
March	8.6	43.3	0.8	*6.6	10.4	1 348.4	*0.9	1 419.2
June	33.0	28.1	6.7	9.2	14.3	12.0	*2.5	105.8
September	10.4	2.3	*1.0	1.2	9.0	1.0	*2.6	27.5
December	*31.3	22.4	*5.2	**4.4	14.0	11.2	*3.1	91.6
VALUE OF WORK DONE DURING PERIOD								
1999-00	96.2	16.6	39.8	15.2	44.1	47.2	17.8	276.8
2000-01	36.9	10.1	16.8	16.2	43.1	27.1	18.1	168.3
2001-02	67.4	238.7	8.0	38.1	56.1	807.6	10.8	1 226.7
2001								
September	20.3	17.6	2.0	7.2	15.0	3.2	4.3	69.6
December	15.2	26.5	3.6	9.3	14.7	2.0	2.1	73.3
2002								
March	10.5	75.4	1.0	12.4	12.0	687.7	1.7	800.7
June	21.5	119.2	1.4	9.3	14.4	114.6	*2.7	283.1
September	18.0	116.1	1.5	10.8	11.0	229.1	*2.7	389.1
December	19.2	78.3	*7.4	14.2	16.1	240.7	3.1	379.0
VALUE OF WORK YET TO BE DONE								
1999-00	2.0	0.6	7.8	8.5	0.9	9.1	0.7	29.6
2000-01	1.7	24.3	5.0	4.2	34.0	4.1	0.2	73.6
2001-02	29.0	383.0	6.0	33.2	25.6	563.4	3.8	1 044.0
2001								
September	22.7	504.0	5.4	46.7	30.3	3.3	0.2	612.5
December	20.2	506.2	3.8	43.1	27.7	4.1	4.8	610.0
2002								
March	19.0	471.7	3.9	35.4	26.0	665.9	4.1	1 226.0
June	29.0	383.0	6.0	33.2	25.6	563.4	3.8	1 044.0
September	20.2	262.6	5.5	20.4	23.6	335.5	4.1	672.0
December	*31.2	206.2	8.7	11.2	21.6	110.2	4.1	393.1

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** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

Period	Roads, highways and subdivisions	Bridges, railways and harbours	Electricity generation, transmission etc. and pipelines	Water storage and supply, sewerage and drainage	Telecom- munications	Heavy industry	Recreation and other	Total
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
VALUE OF WORK COMMENCED DURING PERIOD								
1999-00	49.3	—	43.3	19.5	90.8	—	63.5	266.4
2000-01	48.6	0.5	15.6	13.5	74.3	0.1	33.7	186.3
2001-02	85.9	2.2	9.1	19.9	55.0	—	35.8	207.9
2001								
September	24.4	2.2	0.6	5.2	12.4	—	8.3	53.1
December	14.3	—	3.2	5.7	16.5	—	8.8	48.5
2002								
March	*22.2	—	1.5	5.9	11.0	—	*7.5	48.2
June	25.0	—	3.8	3.0	15.1	—	*11.3	58.2
September	8.0	—	4.9	3.4	10.8	—	*11.3	38.3
December	9.2	1.3	6.7	8.8	10.8	—	**12.8	49.7
VALUE OF WORK DONE DURING PERIOD								
1999-00	61.4	—	43.2	32.7	72.2	—	63.5	273.0
2000-01	52.8	0.8	15.3	9.2	90.9	0.1	38.9	207.9
2001-02	77.9	1.9	14.0	15.8	55.5	—	34.8	199.9
2001								
September	12.2	1.4	1.1	2.5	13.1	—	9.5	39.8
December	21.5	0.3	4.4	3.9	16.4	—	8.6	55.1
2002								
March	20.2	0.3	4.1	4.1	10.9	—	*7.9	47.5
June	24.0	—	4.4	5.3	15.0	—	*8.8	57.4
September	17.4	—	4.8	2.8	10.9	—	*13.4	49.3
December	16.2	0.1	7.2	4.7	10.8	—	**12.9	52.0
VALUE OF WORK YET TO BE DONE								
1999-00	8.2	—	4.7	2.6	19.6	—	23.4	58.6
2000-01	11.9	—	—	2.8	0.9	—	0.8	16.4
2001-02	23.0	—	2.2	1.0	0.1	—	4.4	30.6
2001								
September	21.4	0.8	3.7	8.7	0.3	—	1.1	36.0
December	14.4	0.3	6.1	10.3	0.3	—	1.3	32.8
2002								
March	*19.7	—	3.3	4.2	0.1	—	*1.7	29.0
June	23.0	—	2.2	**1.0	0.1	—	*4.4	30.6
September	15.4	—	7.6	*1.7	—	—	*2.3	27.0
December	12.2	1.2	3.7	4.9	—	—	0.4	22.6

— nil or rounded to zero (including null cells)

* estimate has a relative standard error of between 25% and 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

VALUE OF WORK DONE BY THE PRIVATE SECTOR, States and territories: Original

<i>Period</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>	<i>Aust.</i>
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
BY THE PRIVATE SECTOR FOR THE PRIVATE SECTOR									
1999-00	1 664.8	1 792.5	1 941.5	636.7	1 520.8	28.5	110.7	90.5	7 786.0
2000-01	1 629.8	1 674.3	1 725.2	496.6	1 022.2	19.4	69.2	45.5	6 682.3
2001-02	1 290.4	1 924.5	1 698.3	770.5	1 807.6	236.0	1 080.1	91.6	8 899.0
2001									
September	338.4	413.5	414.5	176.4	500.2	3.9	35.1	15.8	1 897.7
December	308.1	484.9	378.7	213.8	410.1	6.4	35.7	25.5	1 863.2
2002									
March	274.8	492.1	376.3	193.5	382.0	103.7	766.0	23.1	2 611.4
June	369.1	533.9	528.9	186.8	515.3	122.0	243.4	27.2	2 526.7
September	394.6	638.6	666.3	207.1	673.3	64.1	350.7	21.0	3 015.7
December	459.3	689.2	654.6	321.2	868.2	24.5	339.7	*22.7	3 379.4
BY THE PRIVATE SECTOR FOR THE PUBLIC SECTOR									
1999-00	1 449.9	833.1	1 058.8	278.0	600.2	73.2	100.5	75.3	4 468.9
2000-01	1 545.3	743.6	879.2	208.2	678.6	66.3	50.3	83.3	4 254.8
2001-02	1 267.2	777.9	714.5	186.4	666.0	74.8	87.3	57.8	3 831.7
2001									
September	332.9	160.5	213.7	41.6	157.1	9.4	18.4	12.7	946.3
December	408.5	192.5	197.0	37.7	136.0	20.8	20.3	16.0	1 028.9
2002									
March	241.7	206.6	164.7	54.2	172.8	22.9	22.7	13.6	899.2
June	284.0	218.2	139.1	52.9	200.1	21.6	25.9	15.4	957.2
September	281.9	190.7	156.6	32.8	206.8	15.5	28.7	17.6	930.6
December	372.5	231.1	225.4	72.9	168.1	*31.3	25.7	18.9	1 146.0
TOTAL BY THE PRIVATE SECTOR									
1999-00	3 114.7	2 625.5	3 000.3	914.7	2 121.0	101.7	211.1	165.8	12 254.9
2000-01	3 175.2	2 417.9	2 604.4	704.8	1 700.8	85.7	119.5	128.8	10 937.2
2001-02	2 557.6	2 702.4	2 412.8	956.9	2 473.6	310.7	1 167.4	149.4	12 730.7
2001									
September	671.3	574.1	628.1	218.0	657.3	13.3	53.5	28.4	2 844.0
December	716.6	677.5	575.7	251.5	546.1	27.2	55.9	41.6	2 892.1
2002									
March	516.5	698.7	540.9	247.7	554.7	126.6	788.7	36.7	3 510.7
June	653.1	752.1	668.0	239.7	715.4	143.6	269.3	42.6	3 483.9
September	676.5	829.3	822.8	239.9	880.2	79.7	379.3	38.6	3 946.3
December	831.8	920.3	879.9	394.1	1 036.3	55.8	365.5	41.6	4 525.4

* estimate has a relative standard error of between 25% and 50% and should be used with caution

VALUE OF WORK DONE BY THE PUBLIC SECTOR(a), States and territories: Original

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Period	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
TOTAL BY COMMONWEALTH GOVERNMENT									
1999-00	1 243.2	630.2	877.0	202.3	287.7	52.1	42.7	65.3	3 400.4
2000-01	1 141.8	659.8	573.5	171.4	243.7	57.4	36.1	60.2	2 943.9
2001-02	960.6	565.6	574.5	216.0	307.0	49.3	45.4	50.5	2 768.9
2001									
September	217.0	116.0	114.2	50.2	71.4	10.1	10.6	11.4	600.9
December	255.9	143.5	141.8	53.9	76.6	12.5	11.3	13.5	709.0
2002									
March	205.6	121.6	126.2	48.0	68.2	10.6	10.0	10.8	601.0
June	282.1	184.5	192.3	63.9	90.8	16.1	13.5	14.8	858.0
September	203.3	123.7	112.7	43.3	61.5	10.8	9.0	10.7	575.0
December	197.4	82.6	122.1	61.3	87.2	7.2	12.9	10.4	581.1
TOTAL BY STATE AND TERRITORY GOVERNMENT									
1999-00	1 413.4	99.4	701.9	222.5	195.3	58.8	18.1	42.0	2 751.4
2000-01	1 372.7	47.3	1 031.7	167.0	124.4	73.9	10.8	18.9	2 846.7
2001-02	1 550.5	35.0	1 028.3	120.7	98.0	49.2	8.2	—	2 889.9
2001									
September	338.1	8.3	277.5	22.7	27.9	12.2	3.6	—	690.3
December	426.6	5.3	258.7	22.9	22.9	11.0	3.1	—	750.6
2002									
March	307.1	*10.6	211.4	35.0	19.5	10.7	1.4	—	595.7
June	478.7	10.9	280.7	40.1	27.8	15.2	—	—	853.3
September	391.5	11.0	264.8	15.6	28.9	9.5	—	—	721.2
December	498.0	5.0	270.2	23.5	30.6	16.3	**0.6	—	844.2
BY LOCAL GOVERNMENT AUTHORITIES									
1999-00	459.7	95.8	642.1	85.4	171.5	41.4	4.9	—	1 500.8
2000-01	466.8	91.3	534.8	86.2	187.7	47.3	1.8	—	1 415.9
2001-02	528.9	86.1	612.0	123.8	240.6	44.7	5.7	—	1 641.8
2001									
September	114.9	12.6	129.2	15.5	43.8	6.7	1.9	—	324.6
December	127.8	23.1	169.2	27.4	64.7	14.8	3.0	—	430.1
2002									
March	134.2	21.6	149.1	39.1	58.8	9.5	0.6	—	412.8
June	152.1	28.8	164.4	41.8	73.3	13.6	*0.3	—	474.3
September	111.9	13.1	148.1	17.7	45.2	10.0	0.8	—	346.8
December	123.8	20.4	185.4	34.1	58.0	13.3	0.1	—	435.0
TOTAL BY THE PUBLIC SECTOR									
1999-00	3 116.3	825.4	2 221.1	510.1	654.4	152.3	65.7	107.3	7 652.6
2000-01	2 981.3	798.5	2 140.0	424.7	555.8	178.6	48.7	79.1	7 206.6
2001-02	3 040.0	686.7	2 214.8	460.6	645.7	143.1	59.3	50.5	7 300.6
2001									
September	669.9	136.9	520.9	88.4	143.0	29.1	16.1	11.4	1 615.7
December	810.3	171.9	569.7	104.2	164.2	38.4	17.4	13.5	1 889.7
2002									
March	646.9	153.8	486.7	122.1	146.5	30.8	12.0	10.8	1 609.5
June	912.9	224.1	637.4	145.8	191.9	44.9	13.8	14.8	2 185.7
September	706.7	147.8	525.5	76.6	135.6	30.2	9.8	10.7	1 643.0
December	819.2	108.1	577.7	118.8	175.8	36.8	13.6	10.4	1 860.3

— nil or rounded to zero (including null cells)

* estimate has a relative standard error of between 25% and 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

(a) Includes construction work done by public sector organisations with their own workforce only. All work contracted out by public sector organisations to the private sector appears in 'By private for public sector' totals.

<i>Period</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>	<i>Aust.</i>
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
BY THE PRIVATE SECTOR FOR THE PUBLIC SECTOR									
1999-00	1 449.9	833.1	1 058.8	278.0	600.2	73.2	100.5	75.3	4 468.9
2000-01	1 545.3	743.6	879.2	208.2	678.6	66.3	50.3	83.3	4 254.8
2001-02	1 267.2	777.9	714.5	186.4	666.0	74.8	87.3	57.8	3 831.7
2001									
September	332.9	160.5	213.7	41.6	157.1	9.4	18.4	12.7	946.3
December	408.5	192.5	197.0	37.7	136.0	20.8	20.3	16.0	1 028.9
2002									
March	241.7	206.6	164.7	54.2	172.8	22.9	22.7	13.6	899.2
June	284.0	218.2	139.1	52.9	200.1	21.6	25.9	15.4	957.2
September	281.9	190.7	156.6	32.8	206.8	15.5	28.7	17.6	930.6
December	372.5	231.1	225.4	72.9	168.1	*31.3	25.7	18.9	1 146.0
TOTAL BY THE PUBLIC SECTOR									
1999-00	3 116.3	825.4	2 221.1	510.1	654.4	152.3	65.7	107.3	7 652.6
2000-01	2 981.3	798.5	2 140.0	424.7	555.8	178.6	48.7	79.1	7 206.6
2001-02	3 040.0	686.7	2 214.8	460.6	645.7	143.1	59.3	50.5	7 300.6
2001									
September	669.9	136.9	520.9	88.4	143.0	29.1	16.1	11.4	1 615.7
December	810.3	171.9	569.7	104.2	164.2	38.4	17.4	13.5	1 889.7
2002									
March	646.9	153.8	486.7	122.1	146.5	30.8	12.0	10.8	1 609.5
June	912.9	224.1	637.4	145.8	191.9	44.9	13.8	14.8	2 185.7
September	706.7	147.8	525.5	76.6	135.6	30.2	9.8	10.7	1 643.0
December	819.2	108.1	577.7	118.8	175.8	36.8	13.6	10.4	1 860.3
TOTAL FOR THE PUBLIC SECTOR									
1999-00	4 566.2	1 658.5	3 279.9	788.1	1 254.6	225.5	166.1	182.5	12 121.6
2000-01	4 526.6	1 542.0	3 019.2	632.9	1 234.4	244.8	99.1	162.4	11 461.4
2001-02	4 307.2	1 464.5	2 929.3	646.9	1 311.7	217.9	146.6	108.3	11 132.3
2001									
September	1 002.8	297.4	734.6	130.0	300.1	38.5	34.5	24.1	2 562.0
December	1 218.8	364.5	766.8	142.0	300.3	59.2	37.6	29.5	2 918.6
2002									
March	888.6	360.4	651.4	176.3	319.3	53.7	34.8	24.4	2 508.8
June	1 196.9	442.3	776.5	198.7	392.0	66.5	39.7	30.2	3 142.9
September	988.6	338.4	682.1	109.4	342.5	45.8	38.5	28.3	2 573.6
December	1 191.7	339.1	803.1	191.8	343.9	68.1	39.3	29.3	3 006.3

* estimate has a relative standard error of between 25% and 50% and should be used with caution

BY THE PRIVATE SECTOR

	<i>For the private sector</i>	<i>For the public sector</i>	<i>Total</i>	<i>By the public sector</i>	<i>Total for the public sector(a)</i>	<i>Total</i>
	%	%	%	%	%	%
VALUE OF WORK COMMENCED						
Roads, highways and subdivisions	7.4	4.3	5.2	3.9	3.0	3.2
Bridges	4.5	29.6	14.6	3.9	11.9	8.5
Railways	—	—	—	—	—	—
Harbours	3.6	27.3	8.8	—	16.1	7.6
Water storage and supply	16.5	26.7	14.9	19.8	17.6	14.5
Sewerage and drainage	12.7	8.1	7.4	11.3	7.1	6.6
Electricity generation, transmission and distribution	4.0	11.7	3.8	—	0.4	1.2
Pipelines	0.8	55.2	0.8	43.9	43.5	4.4
Recreation	12.8	21.1	12.0	17.1	13.6	10.0
Telecommunications	6.1	12.3	8.2	—	1.0	1.0
Oil, gas, coal and other minerals	0.3	74.4	0.3	—	4.5	0.3
Other heavy industry	6.2	74.4	6.2	—	74.4	6.2
Other	37.6	12.6	36.7	9.3	9.9	36.5
<i>Total</i>	1.6	1.4	1.2	1.8	1.2	1.0

VALUE OF WORK DONE

Roads, highways and subdivisions	7.8	2.7	4.6	3.3	2.1	3.4
Bridges	8.3	23.1	16.2	8.4	15.6	12.2
Railways	—	—	—	—	—	—
Harbours	13.5	23.6	18.7	—	18.3	15.5
Water storage and supply	21.9	18.3	15.2	12.5	10.3	9.7
Sewerage and drainage	13.0	16.0	12.2	9.9	11.3	9.5
Electricity generation, transmission and distribution	3.4	5.1	2.9	—	1.4	1.6
Pipelines	0.3	37.9	0.3	21.2	20.6	0.5
Recreation	11.4	20.5	11.0	19.8	14.4	10.0
Telecommunications	3.0	7.1	3.8	—	1.0	0.9
Oil, gas, coal and other minerals	0.3	74.4	0.3	—	4.5	0.3
Other heavy industry	6.0	74.4	6.0	—	74.4	6.0
Other	36.1	5.3	34.3	6.4	5.0	34.2
<i>Total</i>	2.0	3.3	1.8	0.9	1.3	1.3

VALUE OF WORK YET TO BE DONE

Roads, highways and subdivisions	4.4	0.7	1.6	5.3	2.6	2.3
Bridges	—	0.1	0.1	10.0	4.9	3.3
Railways	—	—	—	—	—	—
Harbours	—	5.8	2.1	—	5.3	2.0
Water storage and supply	7.0	1.8	2.6	29.6	25.1	23.4
Sewerage and drainage	2.2	0.5	0.7	12.1	6.0	5.1
Electricity generation, transmission and distribution	—	1.8	0.5	—	0.5	0.3
Pipelines	—	—	—	29.1	29.1	0.5
Recreation	22.3	20.0	19.0	12.6	11.6	10.7
Telecommunications	2.1	—	0.3	—	—	0.3
Oil, gas, coal and other minerals	0.1	—	0.1	—	—	0.1
Other heavy industry	1.5	—	1.5	—	—	1.5
Other	5.9	—	3.1	11.7	0.5	3.0
<i>Total</i>	0.3	0.3	0.2	3.7	1.6	0.7

— nil or rounded to zero (including null cells)

(a) Includes work done by the private sector for the public sector and work done by the public sector.

RELATIVE STANDARD ERRORS, States and territories—By type of work

	<i>Roads, highways and subdivisions</i>	<i>Bridges, railways and harbours</i>	<i>Electricity generation, transmission etc. and pipelines</i>	<i>Water storage and supply, sewerage and drainage</i>	<i>Telecom- munications</i>	<i>Heavy industry</i>	<i>Recreation and other</i>	<i>Total</i>
	%	%	%	%	%	%	%	%
.....								
VALUE OF WORK COMMENCED								
NSW	6.3	0.8	0.6	8.1	0.7	2.0	20.0	1.6
Vic.	6.1	0.1	4.3	28.9	4.0	3.6	23.2	2.8
Qld	6.5	0.6	1.7	15.2	—	0.1	17.2	2.2
SA	9.7	7.2	—	6.5	—	4.3	16.8	4.9
WA	8.4	3.9	2.8	6.5	0.4	0.9	18.7	1.8
Tas.	8.9	7.8	2.4	36.6	—	0.2	18.8	5.5
NT	15.2	—	26.5	23.4	—	—	37.6	7.0
ACT	4.3	—	—	3.1	—	—	36.2	10.7
<i>Total</i>	3.2	0.7	1.2	7.2	1.0	0.4	10.0	1.0
.....								
VALUE OF WORK DONE								
NSW	6.4	7.7	0.9	11.5	1.0	1.6	27.5	3.0
Vic.	4.7	1.9	3.9	29.0	3.5	4.5	22.2	4.0
Qld	8.2	0.3	3.1	17.4	—	0.4	16.4	2.7
SA	17.1	0.3	—	1.6	—	1.9	19.9	3.9
WA	6.1	26.5	0.4	7.2	0.4	1.0	20.4	2.5
Tas.	5.2	1.5	1.8	25.7	—	4.0	24.4	2.4
NT	8.7	—	17.9	2.6	—	—	32.0	0.5
ACT	2.0	—	—	11.4	—	—	34.4	9.4
<i>Total</i>	3.4	4.2	1.2	7.6	0.9	0.5	10.0	1.3
.....								
VALUE OF WORK YET TO BE DONE								
NSW	5.5	0.4	—	4.4	0.8	0.3	1.1	1.1
Vic.	2.9	—	0.1	4.3	—	0.5	34.0	0.8
Qld	4.5	—	0.7	21.2	—	—	18.3	2.2
SA	10.1	8.4	—	11.1	—	0.6	25.5	2.0
WA	4.4	1.3	0.5	2.7	—	0.1	15.1	0.5
Tas.	11.1	3.7	0.2	22.6	—	—	37.2	7.4
NT	—	—	—	—	—	—	5.7	—
ACT	—	—	—	25.2	—	—	45.4	4.2
<i>Total</i>	2.3	0.2	0.3	9.1	0.3	0.1	9.9	0.7

— nil or rounded to zero (including null cells)

EXPLANATORY NOTES

INTRODUCTION

1 This publication contains estimates of engineering construction activity in Australia by both public and private sector organisations. The estimates were compiled from the Engineering Construction Survey (ECS).

2 These estimates together with results from the ABS Building Activity Surveys provide a complete quarterly picture of building and construction activity in Australia.

SCOPE AND COVERAGE OF THE SURVEY

3 The ECS aims to measure the value of all engineering construction work undertaken in Australia. From the September 2002 quarter, engineering construction activity in the External Territories of Australia is included in these statistics. Jervis Bay is included in New South Wales, while Christmas Island and Cocos-Keeling Islands are included in Western Australia.

4 The cost of land and the value of building construction is excluded from the surveys scope. Where projects include elements of both building and engineering construction (for example, electricity generation, heavy industrial plant) every effort is taken to exclude the building component from these statistics.

5 Repair and maintenance activity is excluded from the survey as are the value of any transfers of existing assets, the value of installed machinery and equipment not integral to the structure and the expenses for relocation of utility services.

6 A contract for the installation of machinery and equipment which is an integral part of a construction project is included in the statistics.

Statistical units defined on the ABS Business Register

7 The ABS uses an economic statistical units model on the ABS Business Register to describe the characteristics of businesses, and the structural relationships between related businesses. The units model is also used to break groups of related businesses into relatively homogeneous components that can provide data to the ABS.

8 In mid 2002, to better use the information available as a result of The New Tax System (TNTS), the ABS changed its economic statistical units model. The new units model allocates businesses to one of two sub-populations. The vast majority of businesses are in what is called the Australian Taxation Office (ATO) maintained population, while the remaining businesses are in the ABS maintained population. Together, these two sub-populations make up the ABS Business Register population.

ATO MAINTAINED POPULATION

9 Most businesses and organisations in Australia need to obtain an Australian Business Number (ABN). These businesses are then included on the Australian Business Register which is maintained by the ATO. Most of these businesses have simple structures. For these businesses the unit registered for an ABN will satisfy ABS statistical requirements, so the ABS has aligned its statistical units structure with the ABN unit. Businesses with simple structures constitute the ATO maintained population because all information about these businesses on the ABS Business Register is maintained by the ATO. The ABN unit is used as the economic statistical unit for all economic collections.

ABS MAINTAINED POPULATION

10 For the population of businesses where the ABN unit is not suitable for ABS statistical requirements, the ABS will maintain its own units structure through direct contact with business. These businesses constitute the ABS maintained population. This population consists typically of large, complex and diverse groups of businesses. A statistical units model has been introduced to describe such businesses.

EXPLANATORY NOTES *continued*

Statistical units defined on
the ABS Business Register
continued

11 *Enterprise Group*: This is defined as a unit covering all the operations in Australia of one or more legal entities under common ownership and/or control. It covers all the operations in Australia of legal entities that are related in terms of the current corporations law (as amended by the *Corporations Legislation Amendment Act 1991*), including legal entities such as companies, trusts and partnerships. Majority ownership is not required for control to be exercised.

12 *Enterprise*: This is defined as an institutional unit comprising (i) a single legal entity or business entity, or (ii) more than one legal entity or business entity within the same enterprise group and in the same institutional sub-sector (i.e. they are all classified to a single Standard Institutional Sector Classification of Australia subsector).

13 *Type of Activity Unit (TAU)*: This is comprised of one or more business entities, sub-entities or branches of a business entity within an enterprise group that can report production and employment data for similar economic activities. When a minimum set of data items is available, a TAU will be created which covers all the operations within an industry subdivision (and the TAU will be classified to the relevant subdivision of the Australian and New Zealand Standard Industrial Classification). Where a business cannot supply adequate data for each industry, a TAU will be formed which contains activity in more than one industry subdivision.

Change in statistical unit

14 Prior to the December 2002 quarter, the Engineering Construction Survey used the management unit as the statistical unit. For issues of this publication relating to the December 2002 quarter onwards, the statistical unit in the Engineering Construction Survey is the ABN unit for businesses with simple structures, and the TAU for businesses with complex structures. In most cases, ABN/TAU units will concord with the management units used prior to the December 2002 quarter.

15 For more information on the impacts of the introduction of the new economic statistics units model, refer to *Information Paper: Improvements in ABS Economic Statistics (Arising from the New Tax System)* (cat. no. 1372.0).

RELATIONSHIP WITH
NATIONAL ACCOUNTS

16 Data on the value of work done on the construction of new residential buildings, alterations and additions to residential buildings, private sector non-residential buildings (from *Building Activity, Australia* (cat. no. 8752.0) and the value of engineering construction activity (from the Engineering Construction Survey) are the major source data which are used to compile the national accounts estimates for private gross fixed capital formation on dwellings, and other buildings and structures. However, there are some adjustments to the survey data which are made in the process of compiling these national account series. Allowances are made for the value of building activity which is out of scope of the Building Activity Survey and the Engineering Construction Survey. Such activity includes work done on projects which fall below the size cut-offs used for the Building Activity Survey and also the value of work done which is undertaken without obtaining a building permit, either because such a permit is not required or because the requisite permit is not obtained. The national accounts estimates also make allowances for purchases (less sales) of buildings and other structures from (to) the public sector.

SAMPLE REVISION

17 The survey frames and samples are revised each quarter to ensure that they remain representative of the survey population. The timing for creating each quarter's survey frame is consistent with that of other ABS surveys. This provides for greater consistency when comparing data across surveys.

EXPLANATORY NOTES *continued*

RELIABILITY OF THE ESTIMATES

18 Since the figures for private sector and public sector organisations are derived from information obtained from a sample of organisations they are subject to sampling error; that is, they may differ from the figures that would have been obtained if information for all organisations for the relevant period had been included in the survey. A measure of the likely difference is given by the relative standard error of each estimate. There are about 2 chances in 3 that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all units had been included, and about 19 chances in 20 that the difference will be less than 2 standard errors. Approximate relative standard errors of the estimates are shown in tables 24 and 25.

19 An example of the use of standard errors is as follows. If the total value of work done during the quarter is \$2,500m and the associated standard error is 0.5% then there are about 2 chances in 3 that the value which would have been derived if there had been a complete collection would have been within the range \$2,488m to \$2,513m and about 19 chances in 20 that the value would have been within the range \$2,475m to \$2,525m.

20 The imprecision due to sampling variability, which is measured by the relative standard error, should not be confused with inaccuracies that may occur because of inadequacies in the source of information, imperfections in reporting by respondents, and errors made in the coding and processing of data. Inaccuracies of this kind are referred to as non-sampling error, and may occur in any enumeration whether it be a full count or only a sample. Every effort is made to reduce the non-sampling error to a minimum by the careful design of questionnaires, efforts to obtain responses for all selected organisations, and efficient operating procedures.

21 Caution is advised in respect of the value of work commenced (and consequently, the value of work yet to be done) reported by the public sector. It is known that data reported for value of work commenced are a combination of the following: annual works budget estimates which are reported as commencements in the September quarter (and in some cases may subsequently be undertaken by the private sector); genuine commencements as defined in the Glossary, and reported quarterly; commencements being reported as equal to the value of work done for the quarter; commencements of major stages in the case of long-term projects.

SEASONAL ADJUSTMENT

22 Seasonally adjusted statistics for engineering construction activity are shown in tables 1 to 6. As happens with all seasonally adjusted series, the seasonal factors are reviewed annually to take account of each additional years data. The results of the latest review are included in the December quarter issue each year. Information regarding the methods used in seasonally adjusting the series, is available on request.

23 Since seasonally adjusted statistics reflect both irregular and trend movements, an upward or downward movement in a seasonally adjusted series does not necessarily indicate a change of trend. Particular care should therefore be taken in interpreting individual quarter to quarter movements.

TREND ESTIMATES

24 Seasonally adjusted series can be smoothed to reduce the impact of the irregular component in the adjusted series. This smoothed seasonally adjusted series is called a trend estimate.

25 The trend estimates are derived by applying a 7-term Henderson moving average to the seasonally adjusted series. The 7-term Henderson average (like all Henderson averages) is symmetric but, as the end of a time series is approached, asymmetric forms of the average are applied. Unlike weights of the standard 7-term Henderson moving average, the weights employed here have been tailored to suit the particular characteristics of individual series.

EXPLANATORY NOTES *continued*

TREND ESTIMATES *continued*

26 While the smoothing technique described in paragraphs 15 and 16 enables trend estimates to be produced for recent quarters, it does result in revisions to the estimates for the most recent three 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. For further information, see *Information Paper: A Guide to Interpreting Time Series—Monitoring Trends: an Overview* (cat. no. 1348.0) or contact the Assistant Director, Time Series Analysis on Canberra 02 6252 6076.

CHAIN VOLUME MEASURES

27 Chain volume estimates of the value of work done are presented in original, seasonally adjusted and trend terms in tables 1 and 2.

28 While current price estimates of value of work done reflect both price and volume changes, chain volume estimates measure changes in value after the direct effects of price changes have been eliminated and therefore only reflect volume changes. The direct impact of the GST is a price change, and hence is removed from chain volume estimates. The deflators used to revalue the current price estimates in this publication are derived from the same price data underlying the deflators compiled for the dwellings and new other building components, and the new engineering construction component, of the national accounts aggregate 'Gross fixed capital formation'.

29 The chain volume measures of work done appearing in this publication are annually reweighted chain Laspeyres indexes referenced to current price values in a chosen reference year (currently 1999–2000). The reference year will be updated annually in the June quarter publication. Quarterly chain volume data in this issue incorporate a new base year, 1999–2000, which has resulted in revisions to growth rates, small in most cases, for the last few years. In addition, the reference year has been advanced to 1999–2000, which has resulted in revisions to levels, but not growth rates, for all periods. Each year's data in the value of work done series are based on the prices of the previous year, except for the quarters of the latest incomplete year (i.e. for the 2001–02 financial year) which are based upon the current reference year (i.e. 1999–2000). Comparability with previous years is achieved by linking (or chaining) the series together to form a continuous time series. Further information on the nature and concepts of chain volume measures is contained in the ABS *Information Paper: Introduction of Chain Volume Measures in the Australian National Accounts* (cat. no. 5248.0).

30 The factors used to seasonally adjust the chain volume measures are identical to those used to adjust the corresponding current price series.

ACKNOWLEDGMENT

31 ABS publications draw extensively on information provided freely by individuals, businesses, governments and other organisations. Their continued cooperation is very much appreciated: without it, the wide range of statistics published by the ABS would not be available. Information received by the ABS is treated in strict confidence as required by the *Census and Statistics Act 1905*.

RELATED PUBLICATIONS

32 Users may also wish to refer to the following publications which are available from ABS Bookshops:

Building Activity, Australia: Dwelling Unit Commencements, Preliminary
cat. no. 8750.0—issued quarterly

Building Activity, Australia cat. no. 8752.0—issued quarterly

Building Approvals, Australia cat. no. 8731.0—issued monthly

Construction Work Done, Australia, Preliminary cat. no. 8755.0—issued quarterly

EXPLANATORY NOTES *continued*

RELATED PUBLICATIONS

continued

33 Current publications and other products released by the ABS are listed in the *Catalogue of Publications and Products* (cat. no. 1101.0). The Catalogue is available from any ABS office or the ABS web site <<http://www.abs.gov.au>>. The ABS also issues a daily Release Advice on the web site which details products to be released in the week ahead.

ABS DATA AVAILABLE ON REQUEST

34 As well as the statistics included in this and related publications, the ABS may have other relevant data available on request. Inquiries should be made to the National Information and Referral Service on 1300 135 070.

ABBREVIATIONS

\$m	million dollars
ABN	Australian Business Number
ABS	Australian Bureau of Statistics
ACT	Australian Capital Territory
ATO	Australian Taxation Office
Aust.	Australia
NSW	New South Wales
NT	Northern Territory
qtr	quarter
Qld	Queensland
SA	South Australia
Tas.	Tasmania
TAU	type of activity unit
TNTS	The New Tax System
Vic.	Victoria
WA	Western Australia

GLOSSARY

Bridges	Includes those for the support of roads, railways, causeways and elevated highways.
Electricity generation, transmission and distribution	Includes power stations; substations; hydroelectric generating plants; associated work i.e. towers; chimneys; transmission and distribution lines.
Harbours	Includes boat and yacht basins; breakwaters; retaining walls; docks and piers; terminals; wharves; dredging works; marinas.
Heavy industry	This category is the total of 'Oil, gas, coal and other minerals' and 'Other heavy industry'.
Oil, gas, coal and other minerals	Includes construction of production, storage and distribution facilities; refineries; pumping stations; construction of mines.
Other heavy industry	Includes construction of chemical plants; blast furnaces; steel mills; other industrial processing plants; ovens.
Ownership	Projects are classified as private sector or public sector according to the expected ownership of the project at the time of completion.
Pipelines	Includes oil and gas pipelines; urban supply mains for gas; pipelines for refined petroleum products, chemicals, foodstuffs, etc.
Railways	Includes tracklaying; overhead power lines and signals; platforms; tramways; tunnels for underground railways; fuel hoppers.
Recreation	Includes golf courses; playing fields; racecourses; stadiums; swimming pools; landscaping; park construction.
Roads, highways and subdivisions	Includes parking areas; cycle paths; airport runways; pedestrian and vehicle overpasses; traffic lights; roundabouts; associated road drainage works; street and highway lighting; road resurfacing, kerbing and guttering, road tunnels.
Sector	<p>The public sector includes Commonwealth Departments and Authorities, State Departments and Authorities, Local Government Authorities, Water, Sewerage and Electricity Authorities and government owned businesses and Statutory Authorities. This publication contains separate estimates for:</p> <ul style="list-style-type: none">Commonwealth Government;State and Territory Government; andLocal Government. <p>All remaining organisations are classified as private sector.</p>
Sewerage and drainage	Includes sanitary and storm sewers; sewage treatment plants; stormwater drains; drainage systems.
Telecommunications	Includes radio, television, microwave and radar transmission towers; telephone and telegraph lines and underground cables; coaxial cables.
Type of construction	In this collection each project is classified to a category of construction without regard to end use. For example, a project involving coal handling equipment at an electricity generating plant is included under Heavy industry. Oil, gas, coal and other minerals and not under Electricity generation, transmission and distribution. Where a project involves more than one category of construction the project is included under the category which accounts for the major part of the contract in terms of value.
Value of work commenced	A project is regarded as having commenced when the site works begin. However, some public sector authorities are unable to report on this basis. In such cases, the authorities report the value of their annual works budget as a commencement in September quarter each year.
Value of work done	For the private sector consists of the value of work done on prime contracts, plus speculative contracts, plus work done on own account. For the public sector it is defined as work done by the organisation's own workforce.

GLOSSARY *continued*

Value of work yet to be done

The value of outstanding work for the project at the end of the period. Rise and fall and other cost variations can lead to increases or decreases in the value of work yet to be done.

Water storage and supply

Includes dams; weirs; reservoirs; embankments for water diversion; water pipelines; mains and treatment plants; flood prevention and erosion; aqueducts; water conduits; systems conveying water to residences, commercial and industrial establishments.

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- LIBRARY* A range of ABS publications is available from public and tertiary libraries Australia-wide. Contact your nearest library to determine whether it has the ABS statistics you require, or visit our web site for a list of libraries.
- CPI INFOLINE* For current and historical Consumer Price Index data, call 1902 981 074 (call cost 77c per minute).
- DIAL-A-STATISTIC* For the latest figures for National Accounts, Balance of Payments, Labour Force, Average Weekly Earnings, Estimated Resident Population and the Consumer Price Index call 1900 986 400 (call cost 77c per minute).

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