



June Quarter 1996

EMBARGOED UNTIL 11:30 AM TUES 15 OCTOBER 1996

Engineering Construction Activity

Australia

Statistics

NOTES

SPECIAL ISSUE

It was previously advised that the March quarter 1995 issue of this Standard Data Service was to be the final issue. Data from the Engineering Construction Survey was to be included in a new publication titled *Building and Construction Activity, Australia* (8754.0).

However, the Australian Bureau of Statistics has decided not to proceed with the *Building and Construction Activity, Australia* publication, but to reinstate *Engineering Construction Activity, Australia* (8762.0).

Seasonally adjusted estimates in this publication have been revised following the annual re-analysis of seasonal factors. See Explanatory Notes paragraph 15.

INQUIRIES

For further information about statistics in this publication and the availability of related unpublished statistics, please contact Information Services on Canberra (06) 252 6627 or 252 6007 or any ABS State office.

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SUMMARY OF FINDINGS

VALUE OF WORK DONE —
AVERAGE 1989-90
PRICES, SEASONALLY
ADJUSTED ESTIMATES

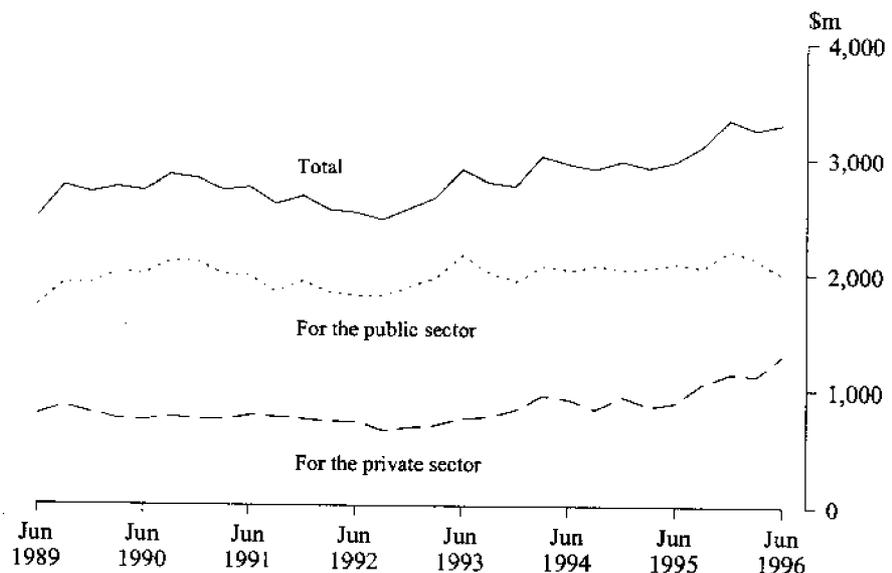
Changes in the seasonally adjusted value of engineering construction work done, at average 1989-90 prices, in the June quarter 1996, compared with the previous quarter and a year previously, are summarised below.

| | Change Mar qtr '96 to Jun qtr '96 | Change Jun qtr '95 to Jun qtr '96 |
|---|---|---|
| <i>Engineering construction work done</i> | % | % |
| By private sector | | |
| For private sector | 16.3 | 46.0 |
| For public sector | 8.7 | 4.6 |
| Total by private sector | 13.6 | 28.9 |
| By public sector | -12.3 | -7.9 |
| Total for public sector ¹ | -6.3 | -4.2 |
| Total engineering construction | 1.5 | 10.9 |

¹ Includes work done by the private sector for the public sector and work done by the public sector.

The total value of engineering construction work done rose by 1.5% in the June quarter 1996, following a decrease of 2.7% in the March quarter and a 7.4% increase in the December quarter 1995. Engineering construction work done in the June quarter 1996 was 10.9% higher than for the June quarter 1995. The increase in the June quarter 1996 was entirely due to increased activity for the private sector, which rose by 16.3% to \$1,301.5 million. This was the highest quarterly value of work done for the private sector recorded since this collection began in the September quarter 1986. By contrast, the value of work done for the public sector fell by 6.3%.

ENGINEERING CONSTRUCTION WORK DONE AT AVERAGE 1989-90 PRICES
(Seasonally adjusted)



AVERAGE 1989-90
PRICES, ORIGINAL
ESTIMATES

In 1995-96, the estimate of the value of engineering construction work done (at 1989-90 prices) was \$12,946.5 million, a rise of 9.7% from the 1994-95 estimate, and 12.5% above the 1993-94 estimate. Increases over 1994-95 principally occurred in work done for the private sector (up 30.4%). Work done for the public sector increased by a modest 0.9%. The value of work done for the public sector in 1995-96 accounted for 64% of the total value of engineering construction work done. This proportion is down from 70% in both 1994-95 and 1993-94.

VALUE OF WORK
COMMENCED — CURRENT
PRICE, ORIGINAL ESTIMATES

In current prices, the total value of engineering construction work commenced during the June quarter 1996 was \$3,072.4 million, a decrease of 31.4% from the March quarter 1996 estimate but 1.6% above the value of commencements in the June quarter 1995.

The value of work commenced for the private sector decreased by 57.8% to \$1,033.6 million in the June quarter 1996. This was 11.2% above the value of work commenced during the June quarter 1995. It should be noted that the March quarter 1996 saw the commencement of a very large roads, highways and subdivisions project in Victoria.

The value of work commenced for the public sector for the June quarter 1996, at \$2,038.7 million, showed little change from the March quarter 1996. The June quarter 1996 figure was 2.7% below the value of work commenced during the June quarter 1995.

In 1995-96, the value of engineering construction commenced was \$15,591.7 million, a rise of 15.0% from the 1994-95 estimate, and 29.3% above the 1993-94 estimate.

**TABLE 1. ENGINEERING CONSTRUCTION ACTIVITY, VALUE OF WORK DONE, AUSTRALIA
ORIGINAL AND SEASONALLY ADJUSTED SERIES
(S million)**

| Period | By the private sector | | | By the public sector | Total for the public sector (a) | Total |
|------------------------------|------------------------|-----------------------|---------|----------------------|---------------------------------|----------|
| | For the private sector | For the public sector | Total | | | |
| ORIGINAL | | | | | | |
| 1993-94 | 3,725.1 | 3,277.9 | 7,003.0 | 5,475.2 | 8,753.1 | 12,478.2 |
| 1994-95 | 3,889.7 | 2,903.6 | 6,793.3 | 6,221.7 | 9,125.3 | 13,014.9 |
| 1995-96 | 5,138.2 | 2,924.2 | 8,062.4 | 6,532.8 | 9,456.9 | 14,595.2 |
| 1995 Mar. qtr | 905.1 | 688.0 | 1,593.1 | 1,424.5 | 2,112.5 | 3,017.5 |
| June qtr | 954.6 | 750.4 | 1,705.0 | 2,021.9 | 2,772.3 | 3,726.9 |
| Sept. qtr | 1,213.6 | 651.5 | 1,865.2 | 1,414.9 | 2,066.5 | 3,280.1 |
| Dec. qtr | 1,349.0 | 791.5 | 2,140.5 | 1,628.7 | 2,420.3 | 3,769.2 |
| 1996 Mar. qtr r | 1,184.8 | 675.3 | 1,860.1 | 1,571.0 | 2,246.3 | 3,431.1 |
| June qtr | 1,390.8 | 805.8 | 2,196.6 | 1,918.1 | 2,723.9 | 4,114.7 |
| SEASONALLY ADJUSTED T | | | | | | |
| 1995 Mar. qtr | 952.4 | 711.0 | 1,663.3 | 1,564.3 | 2,275.3 | 3,227.7 |
| June qtr | 994.6 | 707.7 | 1,702.3 | 1,611.8 | 2,319.4 | 3,314.1 |
| Sept. qtr | 1,189.4 | 650.4 | 1,839.8 | 1,649.3 | 2,299.7 | 3,489.1 |
| Dec. qtr | 1,261.4 | 816.5 | 2,078.0 | 1,668.8 | 2,485.3 | 3,746.8 |
| 1996 Mar. qtr | 1,246.0 | 696.7 | 1,942.6 | 1,722.5 | 2,419.2 | 3,665.1 |
| June qtr | 1,448.6 | 758.8 | 2,207.3 | 1,524.1 | 2,282.8 | 3,731.4 |

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

**TABLE 2. ENGINEERING CONSTRUCTION ACTIVITY, VALUE OF WORK DONE AT AVERAGE 1989-90 PRICES (a), AUSTRALIA
ORIGINAL AND SEASONALLY ADJUSTED SERIES
(S million)**

| Period | By the private sector | | | By the public sector | Total for the public sector (b) | Total |
|------------------------------|------------------------|-----------------------|---------|----------------------|---------------------------------|----------|
| | For the private sector | For the public sector | Total | | | |
| ORIGINAL | | | | | | |
| 1993-94 r | 3,449.6 | 3,002.7 | 6,452.3 | 5,057.3 | 8,060.0 | 11,509.6 |
| 1994-95 | 3,530.9 | 2,609.4 | 6,140.3 | 5,659.4 | 8,268.8 | 11,799.7 |
| 1995-96 | 4,605.7 | 2,546.8 | 7,152.5 | 5,794.0 | 8,340.8 | 12,946.5 |
| 1995 Mar. qtr | 819.6 | 614.4 | 1,434.0 | 1,291.8 | 1,906.2 | 2,725.8 |
| June qtr | 855.5 | 663.8 | 1,519.3 | 1,821.7 | 2,485.5 | 3,341.0 |
| Sept. qtr r | 1,076.6 | 573.6 | 1,650.2 | 1,269.8 | 1,843.4 | 2,920.0 |
| Dec. qtr r | 1,215.5 | 692.8 | 1,908.3 | 1,451.2 | 2,144.0 | 3,359.5 |
| 1996 Mar. qtr r | 1,064.0 | 585.7 | 1,649.7 | 1,390.4 | 1,976.1 | 3,040.1 |
| June qtr | 1,249.6 | 694.7 | 1,944.3 | 1,682.6 | 2,377.3 | 3,626.9 |
| SEASONALLY ADJUSTED T | | | | | | |
| 1995 Mar. qtr | 862.4 | 634.9 | 1,497.3 | 1,418.6 | 2,053.5 | 2,915.9 |
| June qtr | 891.4 | 628.0 | 1,519.4 | 1,452.2 | 2,080.2 | 2,971.6 |
| Sept. qtr | 1,055.1 | 571.4 | 1,626.5 | 1,480.1 | 2,051.5 | 3,106.6 |
| Dec. qtr | 1,136.6 | 713.5 | 1,850.1 | 1,486.9 | 2,200.4 | 3,337.0 |
| 1996 Mar. qtr | 1,118.9 | 604.2 | 1,723.1 | 1,524.4 | 2,128.6 | 3,247.5 |
| June qtr | 1,301.5 | 656.7 | 1,958.2 | 1,337.0 | 1,993.7 | 3,295.2 |

(a) See paragraphs 17-19 of the Explanatory Notes. (b) Includes work done by the private sector for the public sector and work done by the public sector.

TABLE 3. ENGINEERING CONSTRUCTION ACTIVITY UNDERTAKEN BY THE PRIVATE SECTOR, BY TYPE OF CONSTRUCTION, AUSTRALIA, VALUE OF WORK COMMENCED DURING PERIOD
(\$ million)

| Period | Roads, highways and subdivisions | Bridges | Railways | Harbours | Water storage and supply | Sewerage and drainage | Electricity generation, transmission and distribution | Pipelines | Recreation | Telecommunications | Heavy industry | Other | Total |
|-------------------------------|----------------------------------|---------|----------|----------|--------------------------|-----------------------|---|-----------|------------|--------------------|----------------|-------|---------|
| | | | | | | | | | | | | | |
| FOR THE PRIVATE SECTOR | | | | | | | | | | | | | |
| 1993-94 | 1,086.5 | 8.3 | 35.5 | 45.2 | 302.2 | 81.8 | 104.8 | 91.3 | 229.5 | 37.7 | 1,444.6 | 3.1 | 3,470.4 |
| 1994-95 | 1,474.3 | 14.9 | 37.0 | 13.2 | 237.6 | 60.6 | 306.0 | 197.3 | 343.6 | 154.6 | 1,907.7 | 21.3 | 4,767.9 |
| 1995-96 | 2,122.7 | 13.5 | 70.6 | 43.0 | 83.0 | 151.7 | 544.1 | 228.6 | 453.8 | 83.6 | 1,926.2 | 30.0 | 5,750.9 |
| 1995 Mar. qtr | 178.4 | 11.5 | 1.7 | 2.9 | 24.7 | 14.1 | 111.0 | 31.8 | 66.6 | 70.6 | 687.5 | 1.8 | 1,202.6 |
| June qtr | 279.6 | 0.2 | 1.4 | 4.0 | 21.0 | 9.0 | 64.0 | 16.2 | 63.2 | 2.6 | 454.5 | 13.9 | 929.5 |
| Sept. qtr | 253.3 | 2.1 | 3.4 | 4.3 | 25.0 | 103.3 | 266.2 | 122.7 | 118.4 | 32.2 | 394.1 | 7.3 | 1,332.3 |
| Dec. qtr | 200.9 | 3.9 | 7.8 | 9.2 | 26.6 | 15.5 | 46.3 | 33.2 | 87.7 | 14.9 | 482.5 | 7.3 | 935.6 |
| 1996 Mar. qtr r | 1,490.9 | 3.0 | 50.7 | 3.9 | 16.1 | 16.1 | 158.5 | 29.7 | 96.9 | 25.3 | 551.7 | 6.5 | 2,449.3 |
| June qtr | 177.7 | 4.5 | 8.6 | 25.7 | 15.4 | 16.8 | 73.0 | 43.0 | 150.8 | 11.3 | 497.9 | 8.9 | 1,033.6 |
| FOR THE PUBLIC SECTOR | | | | | | | | | | | | | |
| 1993-94 | 1,255.2 | 247.2 | 318.5 | 89.0 | 263.7 | 271.0 | 638.2 | 11.1 | 41.5 | 15.6 | 45.1 | 1.9 | 3,197.8 |
| 1994-95 | 1,352.3 | 106.4 | 284.8 | 65.0 | 174.8 | 174.0 | 256.0 | 32.3 | 44.9 | 5.2 | 52.8 | 13.6 | 2,562.2 |
| 1995-96 | 1,801.9 | 73.5 | 178.7 | 89.2 | 101.6 | 228.7 | 310.8 | 220.1 | 67.6 | 23.0 | 76.5 | 6.7 | 3,178.1 |
| 1995 Mar. qtr | 362.9 | 23.6 | 26.6 | 31.9 | 60.7 | 61.5 | 33.4 | 8.1 | 13.6 | 0.6 | 17.6 | 2.1 | 642.6 |
| June qtr | 373.8 | 20.1 | 14.9 | 16.3 | 58.8 | 48.0 | 98.4 | 2.5 | 10.5 | 1.9 | 8.1 | 6.0 | 659.2 |
| Sept. qtr | 249.1 | 27.5 | 47.7 | 9.8 | 25.0 | 45.5 | 55.1 | 184.7 | 22.6 | 5.9 | 12.1 | 0.8 | 685.8 |
| Dec. qtr | 439.6 | 19.2 | 58.1 | 12.8 | 11.2 | 77.4 | 167.5 | 19.0 | 11.1 | 7.9 | 26.4 | 2.1 | 852.3 |
| 1996 Mar. qtr r | 533.8 | 16.7 | 17.4 | 25.4 | 45.6 | 65.6 | 52.1 | 9.8 | 10.2 | 4.7 | 35.5 | 1.7 | 818.5 |
| June qtr | 579.4 | 10.0 | 55.5 | 41.1 | 19.8 | 40.2 | 36.0 | 6.6 | 23.8 | 4.5 | 2.3 | 2.1 | 821.4 |
| TOTAL | | | | | | | | | | | | | |
| 1993-94 | 2,341.7 | 255.5 | 354.0 | 134.3 | 565.9 | 352.7 | 743.0 | 102.4 | 270.9 | 53.2 | 1,489.6 | 5.0 | 6,668.2 |
| 1994-95 | 2,826.5 | 121.3 | 321.8 | 78.2 | 412.4 | 234.6 | 562.0 | 229.6 | 388.5 | 159.8 | 1,960.4 | 34.9 | 7,330.1 |
| 1995-96 | 3,924.6 | 86.9 | 249.2 | 132.2 | 184.6 | 380.4 | 854.9 | 448.7 | 521.4 | 106.6 | 2,002.6 | 36.7 | 8,928.9 |
| 1995 Mar. qtr | 541.3 | 35.2 | 28.3 | 34.7 | 85.3 | 75.6 | 144.4 | 39.9 | 80.2 | 71.2 | 705.1 | 4.0 | 1,845.2 |
| June qtr | 653.3 | 20.2 | 16.4 | 20.3 | 79.8 | 57.0 | 162.4 | 18.7 | 73.7 | 4.5 | 462.7 | 19.8 | 1,588.8 |
| Sept. qtr | 502.4 | 29.6 | 51.0 | 14.1 | 50.1 | 148.9 | 321.4 | 307.5 | 141.0 | 38.0 | 406.2 | 8.1 | 2,018.1 |
| Dec. qtr | 640.4 | 23.1 | 65.9 | 22.0 | 37.8 | 92.8 | 213.9 | 52.2 | 98.8 | 22.8 | 508.9 | 9.4 | 1,787.9 |
| 1996 Mar. qtr r | 2,024.7 | 19.7 | 68.2 | 29.3 | 61.6 | 81.7 | 210.7 | 39.4 | 107.1 | 30.0 | 587.3 | 8.2 | 3,267.8 |
| June qtr | 757.1 | 14.5 | 64.1 | 66.8 | 35.1 | 57.0 | 109.0 | 49.6 | 174.6 | 15.8 | 500.2 | 11.1 | 1,855.0 |

TABLE 4. ENGINEERING CONSTRUCTION ACTIVITY UNDERTAKEN BY THE PRIVATE SECTOR, BY TYPE OF CONSTRUCTION, AUSTRALIA
VALUE OF WORK DONE DURING PERIOD, ORIGINAL AND SEASONALLY ADJUSTED
 (\$ million)

| Period | Roads, highways and subdivisions | Bridges | Railway | Harbours | Water storage and supply | Sewerage and drainage | Electricity generation, transmission and distribution | Pipelines | Recreation | Telecommunications | Heavy industry | Other | Total | | |
|-------------------------------|----------------------------------|---------|---------|----------|--------------------------|-----------------------|---|-----------|------------|--------------------|----------------|-------|----------|---------------------|--|
| | | | | | | | | | | | | | Original | Seasonally adjusted | |
| FOR THE PRIVATE SECTOR | | | | | | | | | | | | | | | |
| 1993-94 | 1,145.1 | 10.4 | 38.6 | 68.9 | 144.5 | 109.4 | 151.8 | 139.8 | 222.7 | 82.8 | 1,603.8 | 7.2 | 3,725.1 | | |
| 1994-95 | 1,109.2 | 6.4 | 28.5 | 25.3 | 267.0 | 72.3 | 163.4 | 170.8 | 326.3 | 72.6 | 1,635.5 | 12.3 | 3,889.7 | | |
| 1995-96 | 1,097.7 | 32.6 | 61.5 | 23.2 | 254.8 | 149.1 | 472.9 | 269.2 | 390.6 | 192.8 | 2,156.1 | 37.8 | 5,138.2 | | |
| 1995 Mar. qtr | 235.1 | 2.0 | 9.3 | 3.2 | 50.2 | 14.8 | 41.5 | 47.4 | 78.5 | 17.5 | 403.7 | 1.9 | 905.1 | 952.4 | |
| June qtr | 243.6 | 2.5 | 6.9 | 3.9 | 89.2 | 10.4 | 46.3 | 37.8 | 74.7 | 18.6 | 415.5 | 5.0 | 954.6 | 994.6 | |
| Sept. qtr | 316.5 | 20.2 | 7.3 | 3.7 | 137.5 | 42.6 | 86.1 | 31.9 | 103.4 | 39.5 | 413.8 | 11.0 | 1,213.6 | 1,189.4 | |
| Dec. qtr | 264.5 | 5.8 | 7.4 | 7.7 | 38.5 | 47.4 | 145.2 | 67.7 | 108.5 | 50.4 | 594.5 | 11.3 | 1,349.0 | 1,261.4 | |
| 1996 Mar. qtr | 254.7 | 2.9 | 16.2 | 6.2 | 46.8 | 27.3 | 133.5 | 58.2 | 93.7 | 54.1 | 482.9 | 8.4 | 1,184.8 | 1,246.0 | |
| June qtr | 261.9 | 3.7 | 30.6 | 5.6 | 32.0 | 31.9 | 108.1 | 111.4 | 84.9 | 48.8 | 664.9 | 7.0 | 1,390.8 | 1,448.6 | |
| FOR THE PUBLIC SECTOR | | | | | | | | | | | | | | | |
| 1993-94 | 1,427.4 | 214.9 | 217.1 | 103.6 | 332.8 | 249.3 | 550.9 | 13.9 | 53.9 | 30.8 | 80.7 | 2.7 | 3,277.9 | | |
| 1994-95 | 1,325.3 | 176.6 | 303.6 | 59.1 | 214.7 | 234.6 | 429.1 | 41.3 | 40.3 | 12.0 | 59.0 | 8.1 | 2,903.6 | | |
| 1995-96 | 1,497.7 | 89.5 | 208.8 | 62.6 | 174.5 | 246.7 | 256.3 | 227.4 | 65.7 | 25.9 | 65.4 | 11.7 | 2,924.2 | | |
| 1995 Mar. qtr | 325.9 | 28.6 | 64.8 | 21.6 | 33.2 | 60.8 | 112.8 | 6.3 | 9.7 | 3.8 | 17.8 | 2.8 | 688.0 | 711.0 | |
| June qtr | 392.5 | 33.8 | 63.0 | 17.0 | 49.0 | 57.8 | 94.6 | 3.8 | 9.5 | 1.7 | 23.3 | 4.6 | 750.4 | 707.7 | |
| Sept. qtr | 291.6 | 23.8 | 59.7 | 16.9 | 59.5 | 63.5 | 73.9 | 19.9 | 21.5 | 6.1 | 13.4 | 1.7 | 651.5 | 650.4 | |
| Dec. qtr | 391.6 | 29.8 | 52.7 | 9.6 | 38.1 | 60.5 | 72.4 | 91.7 | 15.8 | 10.0 | 16.6 | 2.8 | 791.5 | 816.5 | |
| 1996 Mar. qtr | 370.1 | 21.1 | 42.2 | 15.3 | 34.5 | 60.9 | 51.3 | 45.8 | 11.8 | 3.5 | 16.4 | 2.3 | 675.3 | 696.7 | |
| June qtr | 444.5 | 14.8 | 46.2 | 20.8 | 42.3 | 61.7 | 58.7 | 70.1 | 16.6 | 6.3 | 19.0 | 4.9 | 805.8 | 758.8 | |
| TOTAL | | | | | | | | | | | | | | | |
| 1993-94 | 2,572.5 | 225.4 | 255.7 | 172.5 | 477.3 | 358.7 | 702.7 | 153.8 | 276.7 | 113.5 | 1,684.5 | 9.9 | 7,003.0 | | |
| 1994-95 | 2,434.5 | 183.0 | 332.1 | 84.4 | 481.8 | 307.0 | 592.5 | 212.1 | 366.6 | 84.6 | 1,694.5 | 20.4 | 6,793.3 | | |
| 1995-96 | 2,595.4 | 122.1 | 262.3 | 85.8 | 429.3 | 395.8 | 729.2 | 496.6 | 456.3 | 218.7 | 2,221.5 | 49.4 | 8,062.4 | | |
| 1995 Mar. qtr | 561.0 | 30.6 | 74.1 | 24.7 | 83.4 | 75.7 | 154.3 | 53.7 | 88.2 | 21.2 | 421.5 | 4.6 | 1,593.1 | 1,663.3 | |
| June qtr | 636.0 | 36.3 | 70.0 | 20.9 | 138.2 | 68.2 | 140.9 | 41.6 | 84.2 | 20.3 | 438.8 | 9.6 | 1,705.0 | 1,702.3 | |
| Sept. qtr | 608.2 | 43.9 | 67.1 | 20.6 | 197.0 | 106.1 | 160.1 | 51.8 | 124.9 | 45.6 | 427.2 | 12.7 | 1,865.2 | 1,839.8 | |
| Dec. qtr | 656.1 | 35.6 | 60.1 | 17.3 | 76.7 | 107.9 | 217.5 | 159.4 | 124.3 | 60.4 | 611.1 | 14.1 | 2,140.5 | 2,078.0 | |
| 1996 Mar. qtr | 624.8 | 24.1 | 58.4 | 21.5 | 81.3 | 88.2 | 184.9 | 103.9 | 105.5 | 57.6 | 499.3 | 10.7 | 1,860.1 | 1,942.6 | |
| June qtr | 706.4 | 18.5 | 76.8 | 26.4 | 74.4 | 93.5 | 166.7 | 181.5 | 101.5 | 55.1 | 683.9 | 11.9 | 2,196.6 | 2,207.3 | |

TABLE 5. ENGINEERING CONSTRUCTION ACTIVITY UNDERTAKEN BY THE PRIVATE SECTOR, BY TYPE OF CONSTRUCTION, AUSTRALIA, VALUE OF WORK YET TO BE DONE (\$ million)

| Period | Roads, highways and subdivisions | Bridges | Railways | Harbours | Water storage and supply | Sewerage and drainage | Electricity generation, transmission and distribution | Pipelines | Recreation | Telecommunications | Heavy industry | Other | Total |
|------------------------|----------------------------------|---------|----------|----------|--------------------------|-----------------------|---|-----------|------------|--------------------|----------------|-------|---------|
| | | | | | | | | | | | | | |
| FOR THE PRIVATE SECTOR | | | | | | | | | | | | | |
| 1993-94 | 219.3 | 2.0 | 7.0 | 11.8 | 191.7 | 15.0 | 46.2 | 9.8 | 12.8 | 8.2 | 681.6 | — | 1,205.4 |
| 1994-95 | 587.2 | 20.2 | 17.8 | 2.1 | 165.4 | 5.8 | 200.4 | 44.9 | 39.2 | 104.7 | 996.1 | 10.3 | 2,194.2 |
| 1995-96 | 1,474.0 | 2.5 | 43.1 | 24.8 | 4.4 | 12.4 | 352.4 | 43.5 | 95.4 | 53.1 | 1,204.5 | 2.2 | 3,312.3 |
| 1995 Mar. qtr | 537.5 | 11.4 | 21.9 | 2.1 | 231.4 | 6.8 | 172.6 | 67.7 | 51.7 | 119.2 | 961.0 | — | 2,183.0 |
| June qtr | 587.2 | 20.2 | 17.8 | 2.1 | 165.4 | 5.8 | 200.4 | 44.9 | 39.2 | 104.7 | 996.1 | 10.3 | 2,194.2 |
| Sept. qtr | 546.2 | 2.8 | 20.1 | 2.7 | 55.2 | 64.6 | 376.2 | 106.5 | 57.0 | 104.8 | 1,012.6 | 7.5 | 2,356.3 |
| Dec. qtr | 488.5 | 2.7 | 24.8 | 6.6 | 50.0 | 33.4 | 319.3 | 133.8 | 36.7 | 105.0 | 1,225.4 | 3.0 | 2,429.1 |
| 1996 Mar. qtr | 1,725.9 | 1.8 | 60.2 | 4.1 | 19.4 | 25.6 | 385.8 | 103.9 | 35.7 | 79.9 | 1,287.3 | 0.5 | 3,730.2 |
| June qtr | 1,474.0 | 2.5 | 43.1 | 24.8 | 4.4 | 12.4 | 352.4 | 43.5 | 95.4 | 53.1 | 1,204.5 | 2.2 | 3,312.3 |
| FOR THE PUBLIC SECTOR | | | | | | | | | | | | | |
| 1993-94 | 363.7 | 116.0 | 144.6 | 28.5 | 98.0 | 192.7 | 633.8 | 1.0 | 4.5 | 19.5 | 15.3 | — | 1,617.7 |
| 1994-95 | 382.8 | 49.5 | 131.1 | 24.2 | 124.3 | 133.4 | 562.7 | 3.2 | 8.2 | 2.4 | 16.3 | 4.6 | 1,442.8 |
| 1995-96 | 845.2 | 16.5 | 88.3 | 45.1 | 49.9 | 106.8 | 213.2 | 30.6 | 13.1 | 2.6 | 33.2 | 3.0 | 1,447.4 |
| 1995 Mar. qtr | 406.0 | 57.0 | 185.9 | 25.1 | 100.7 | 130.6 | 520.8 | 4.5 | 6.8 | 6.5 | 31.4 | 4.1 | 1,479.4 |
| June qtr | 382.8 | 49.5 | 131.1 | 24.2 | 124.3 | 133.4 | 562.7 | 3.2 | 8.2 | 2.4 | 16.3 | 4.6 | 1,442.8 |
| Sept. qtr | 343.5 | 45.4 | 145.9 | 17.5 | 91.6 | 118.8 | 156.4 | 198.0 | 14.1 | 2.9 | 15.0 | 4.9 | 1,153.9 |
| Dec. qtr | 421.5 | 22.4 | 174.0 | 18.5 | 65.4 | 136.5 | 246.1 | 125.3 | 8.1 | 0.7 | 31.5 | 3.7 | 1,253.8 |
| 1996 Mar. qtr | 598.7 | 20.1 | 73.4 | 21.9 | 71.8 | 145.5 | 226.4 | 95.0 | 6.6 | 4.2 | 46.5 | 3.1 | 1,313.3 |
| June qtr | 845.2 | 16.5 | 88.3 | 45.1 | 49.9 | 106.8 | 213.2 | 30.6 | 13.1 | 2.6 | 33.2 | 3.0 | 1,447.4 |
| TOTAL | | | | | | | | | | | | | |
| 1993-94 | 583.0 | 118.0 | 151.6 | 40.4 | 289.7 | 207.6 | 679.9 | 10.8 | 17.3 | 27.7 | 697.0 | — | 2,823.0 |
| 1994-95 | 970.0 | 69.7 | 148.9 | 26.4 | 289.7 | 139.2 | 763.1 | 48.1 | 47.4 | 107.1 | 1,012.5 | 14.9 | 3,636.9 |
| 1995-96 | 2,319.1 | 19.0 | 131.5 | 69.8 | 54.3 | 119.2 | 565.5 | 74.2 | 108.5 | 55.7 | 1,237.7 | 5.2 | 4,759.8 |
| 1995 Mar. qtr | 943.5 | 68.4 | 207.8 | 27.2 | 332.0 | 137.4 | 693.3 | 72.2 | 58.4 | 125.7 | 992.4 | 4.1 | 3,662.4 |
| June qtr | 970.0 | 69.7 | 148.9 | 26.4 | 289.7 | 139.2 | 763.1 | 48.1 | 47.4 | 107.1 | 1,012.5 | 14.9 | 3,636.9 |
| Sept. qtr | 889.7 | 48.2 | 166.0 | 20.3 | 146.8 | 183.4 | 532.6 | 304.5 | 71.1 | 107.7 | 1,027.6 | 12.4 | 3,510.1 |
| Dec. qtr | 910.0 | 25.0 | 198.8 | 25.2 | 115.5 | 169.9 | 565.4 | 259.1 | 44.8 | 105.7 | 1,256.9 | 6.7 | 3,682.9 |
| 1996 Mar. qtr | 2,324.6 | 21.9 | 133.6 | 26.0 | 91.3 | 171.2 | 612.2 | 198.9 | 42.3 | 84.2 | 1,333.8 | 3.6 | 5,043.5 |
| June qtr | 2,319.1 | 19.0 | 131.5 | 69.8 | 54.3 | 119.2 | 565.5 | 74.2 | 108.5 | 55.7 | 1,237.7 | 5.2 | 4,759.8 |

TABLE 6. ENGINEERING CONSTRUCTION ACTIVITY BY THE PUBLIC SECTOR, BY TYPE OF CONSTRUCTION AUSTRALIA (\$ million)

| Period | Heavy industry | | | | | | | | | | Total | | | |
|---------------------------------------|----------------------------------|---------|----------|----------|--------------------------|-----------------------|---|-----------|------------|--------------------|-------|-----------------------------------|----------------------|---------|
| | Roads, highways and subdivisions | Bridges | Railways | Harbours | Water storage and supply | Sewerage and drainage | Electricity generation, transmission and distribution | Pipelines | Recreation | Telecommunications | | Oil, gas, coal and other minerals | Other heavy industry | |
| VALUE OF WORK COMMENCED DURING PERIOD | | | | | | | | | | | | | | |
| 1993-94 | 1,602.2 | 121.8 | 516.9 | 18.1 | 234.5 | 322.9 | 730.3 | 110.0 | 93.1 | 1,611.6 | 20.5 | — | 10.5 | 5,392.4 |
| 1994-95 | 1,746.2 | 86.1 | 576.1 | 22.0 | 274.7 | 317.9 | 811.9 | 88.7 | 101.9 | 2,194.2 | 1.4 | — | 1.2 | 6,222.4 |
| 1995-96 | 1,872.4 | 114.3 | 738.2 | 18.7 | 186.6 | 251.5 | 657.8 | 83.9 | 131.7 | 2,604.4 | 0.3 | — | 3.0 | 6,662.8 |
| 1995 Mar. qtr | 314.2 | 8.1 | 36.8 | 6.3 | 68.7 | 51.2 | 139.2 | 23.1 | 16.1 | 484.3 | 0.2 | — | — | 1,148.3 |
| June qtr | 290.4 | 15.7 | 20.8 | 4.0 | 69.6 | 95.2 | 199.3 | 23.8 | 19.7 | 696.1 | — | — | 0.3 | 1,435.0 |
| Sept. qtr | 1,048.0 | 64.6 | 665.2 | 6.3 | 76.2 | 118.9 | 275.5 | 19.6 | 66.6 | 663.7 | — | — | 0.5 | 3,005.0 |
| Dec. qtr | 239.8 | 26.2 | 42.7 | 5.0 | 43.6 | 45.0 | 130.2 | 22.3 | 23.8 | 650.2 | — | — | 0.8 | 1,229.5 |
| 1996 Mar. qtr | 306.7 | 13.0 | 13.5 | 4.1 | 34.0 | 46.1 | 157.8 | 19.6 | 23.0 | 592.7 | — | — | 0.5 | 1,210.9 |
| June qtr | 277.9 | 10.4 | 16.8 | 3.4 | 32.9 | 41.5 | 94.3 | 22.3 | 18.3 | 697.9 | 0.3 | — | 1.2 | 1,217.3 |
| VALUE OF WORK DONE DURING PERIOD | | | | | | | | | | | | | | |
| 1993-94 | 1,675.1 | 113.6 | 476.6 | 27.9 | 265.3 | 282.5 | 790.3 | 106.5 | 100.7 | 1,599.6 | 23.5 | 2.0 | 11.7 | 5,475.2 |
| 1994-95 | 1,679.2 | 93.2 | 647.5 | 22.2 | 244.9 | 303.6 | 851.1 | 87.5 | 98.2 | 2,190.3 | 2.7 | — | 1.2 | 6,221.7 |
| 1995-96 | 1,739.9 | 102.5 | 802.2 | 18.5 | 200.5 | 233.0 | 625.4 | 93.2 | 114.4 | 2,600.2 | 0.4 | — | 2.5 | 6,532.8 |
| 1995 Mar. qtr | 375.4 | 19.8 | 145.4 | 6.9 | 59.3 | 69.8 | 214.5 | 16.3 | 22.4 | 494.4 | 0.1 | — | 0.2 | 1,424.5 |
| June qtr | 512.8 | 31.2 | 267.8 | 3.4 | 78.3 | 112.0 | 243.7 | 25.4 | 27.9 | 718.3 | 0.5 | — | 0.4 | 2,021.9 |
| Sept. qtr | 286.9 | 19.3 | 130.5 | 6.7 | 53.8 | 55.1 | 170.5 | 20.6 | 25.5 | 645.4 | 0.1 | — | 0.7 | 1,414.9 |
| Dec. qtr | 394.3 | 26.6 | 199.3 | 5.0 | 47.4 | 64.0 | 181.6 | 23.9 | 31.3 | 654.9 | 0.1 | — | 0.4 | 1,628.7 |
| 1996 Mar. qtr | 450.2 | 23.2 | 212.5 | 4.1 | 47.0 | 53.2 | 138.3 | 20.4 | 28.2 | 593.4 | 0.1 | — | 0.6 | 1,571.0 |
| June qtr | 608.5 | 33.4 | 260.0 | 2.7 | 52.3 | 60.8 | 135.1 | 28.4 | 29.3 | 706.5 | 0.2 | — | 0.9 | 1,918.1 |
| VALUE OF WORK YET TO BE DONE | | | | | | | | | | | | | | |
| 1993-94 | 267.2 | 19.2 | 137.5 | 2.0 | 163.1 | 195.0 | 333.8 | 3.6 | 17.0 | 26.2 | 30.6 | 0.3 | 0.2 | 1,195.6 |
| 1994-95 | 294.4 | 19.1 | 92.5 | 1.3 | 190.9 | 173.3 | 312.1 | 15.4 | 13.9 | 18.9 | 4.1 | — | 0.1 | 1,135.9 |
| 1995-96 | 329.6 | 29.1 | 105.6 | 1.8 | 102.6 | 162.3 | 159.4 | 16.3 | 22.4 | 14.8 | 0.2 | — | 0.6 | 944.6 |
| 1995 Mar. qtr | 496.5 | 31.5 | 263.5 | 0.7 | 205.7 | 179.5 | 356.5 | 6.1 | 25.7 | 38.0 | 4.0 | — | 0.3 | 1,608.0 |
| June qtr | 294.4 | 19.1 | 92.5 | 1.3 | 190.9 | 173.3 | 312.1 | 15.4 | 13.9 | 18.9 | 4.1 | — | 0.1 | 1,135.9 |
| Sept. qtr | 1,066.4 | 66.1 | 701.7 | — | 187.3 | 217.7 | 397.0 | 22.5 | 51.7 | 24.1 | 0.2 | — | 0.1 | 2,734.8 |
| Dec. qtr | 890.9 | 64.8 | 555.1 | — | 152.1 | 207.0 | 331.8 | 23.7 | 46.2 | 19.3 | 1.2 | — | 0.6 | 2,292.7 |
| 1996 Mar. qtr | 675.0 | 53.7 | 349.7 | — | 141.2 | 201.1 | 217.1 | 9.3 | 33.8 | 23.4 | 0.1 | — | 0.4 | 1,704.9 |
| June qtr | 329.6 | 29.1 | 105.6 | 1.8 | 102.6 | 162.3 | 159.4 | 16.3 | 22.4 | 14.8 | 0.2 | — | 0.6 | 944.6 |

TABLE 7. ENGINEERING CONSTRUCTION ACTIVITY FOR THE PUBLIC SECTOR, BY TYPE OF CONSTRUCTION AUSTRALIA (\$ million)

| Period | Heavy Industry | | | | | | | | | | Total | | | |
|---------------------------------------|----------------------------------|---------|----------|----------|--------------------------|-----------------------|---|-----------|------------|--------------------|-------|-----------------------------------|----------------------|---------|
| | Roads, highways and subdivisions | Bridges | Railways | Harbours | Water storage and supply | Sewerage and drainage | Electricity generation, transmission and distribution | Pipelines | Recreation | Telecommunications | | Oil, gas, coal and other minerals | Other heavy industry | |
| VALUE OF WORK COMMENCED DURING PERIOD | | | | | | | | | | | | | | |
| 1993-94 | 2,857.4 | 369.0 | 835.4 | 107.1 | 498.2 | 593.8 | 1,368.5 | 121.1 | 134.6 | 1,627.2 | 54.2 | 11.3 | 12.4 | 8,590.2 |
| 1994-95 | 3,098.5 | 192.5 | 860.9 | 87.1 | 449.5 | 491.9 | 1,067.9 | 121.0 | 146.9 | 2,199.4 | 22.8 | 31.4 | 14.8 | 8,784.6 |
| 1995-96 | 3,674.2 | 187.8 | 916.9 | 107.9 | 288.2 | 480.2 | 968.5 | 304.0 | 199.3 | 2,627.4 | 48.1 | 28.6 | 9.7 | 9,840.8 |
| 1995 Mar. qtr | 677.1 | 31.7 | 63.4 | 38.2 | 129.4 | 112.7 | 172.6 | 31.2 | 29.7 | 484.9 | 11.0 | 6.8 | 2.1 | 1,790.9 |
| June qtr | 664.2 | 35.8 | 35.7 | 20.3 | 128.4 | 143.2 | 297.7 | 26.3 | 30.2 | 697.9 | 8.0 | 0.2 | 6.2 | 2,094.2 |
| Sept. qtr | 1,297.1 | 92.1 | 712.9 | 16.1 | 101.2 | 164.4 | 330.6 | 204.4 | 89.2 | 669.6 | 4.9 | 7.2 | 1.3 | 3,690.9 |
| Dec. qtr | 679.4 | 45.4 | 100.8 | 17.8 | 54.8 | 122.3 | 297.7 | 41.3 | 34.9 | 658.1 | 19.1 | 7.3 | 2.9 | 2,081.8 |
| 1996 Mar. qtr | 840.4 | 29.7 | 30.9 | 29.5 | 79.5 | 111.7 | 249.9 | 29.4 | 33.2 | 597.4 | 21.6 | 14.0 | 2.2 | 2,029.4 |
| June qtr | 857.3 | 20.5 | 72.3 | 44.5 | 52.7 | 81.7 | 130.3 | 28.9 | 42.1 | 702.4 | 2.5 | 0.1 | 3.3 | 2,038.7 |
| VALUE OF WORK DONE DURING PERIOD | | | | | | | | | | | | | | |
| 1993-94 | 3,102.5 | 328.5 | 693.7 | 131.4 | 598.1 | 531.7 | 1,341.1 | 120.4 | 154.6 | 1,630.4 | 74.4 | 31.7 | 14.4 | 8,753.1 |
| 1994-95 | 3,004.5 | 269.8 | 951.1 | 81.2 | 459.6 | 538.2 | 1,280.2 | 128.8 | 138.5 | 2,202.3 | 26.9 | 34.9 | 9.3 | 9,125.1 |
| 1995-96 | 3,237.7 | 192.0 | 1,003.0 | 81.1 | 375.0 | 479.7 | 881.7 | 320.6 | 180.1 | 2,636.1 | 31.9 | 33.9 | 14.1 | 9,456.9 |
| 1995 Mar. qtr | 701.3 | 48.4 | 210.2 | 28.4 | 92.5 | 130.7 | 327.2 | 22.6 | 32.1 | 498.2 | 4.0 | 14.0 | 3.0 | 2,112.5 |
| June qtr | 905.3 | 65.0 | 330.8 | 20.4 | 127.3 | 169.8 | 338.3 | 29.2 | 37.4 | 720.0 | 7.9 | 15.9 | 4.9 | 2,772.3 |
| Sept. qtr | 578.5 | 43.1 | 190.2 | 23.6 | 113.3 | 118.7 | 244.4 | 40.5 | 47.0 | 651.5 | 8.6 | 4.8 | 2.3 | 2,066.5 |
| Dec. qtr | 785.9 | 56.3 | 252.0 | 14.6 | 85.5 | 124.5 | 254.0 | 115.5 | 47.1 | 664.9 | 8.4 | 8.4 | 3.2 | 2,420.3 |
| 1996 Mar. qtr | 820.3 | 44.4 | 254.7 | 19.4 | 81.5 | 114.1 | 189.6 | 66.2 | 40.0 | 596.9 | 6.6 | 9.9 | 2.8 | 2,246.3 |
| June qtr | 1,053.0 | 48.3 | 306.2 | 23.5 | 94.6 | 122.4 | 193.8 | 98.4 | 45.9 | 712.8 | 8.3 | 10.9 | 5.8 | 2,723.9 |
| VALUE OF WORK YET TO BE DONE | | | | | | | | | | | | | | |
| 1993-94 | 630.9 | 135.2 | 282.1 | 30.5 | 261.1 | 387.7 | 967.5 | 4.6 | 21.5 | 45.7 | 38.7 | 7.5 | 0.2 | 2,813.3 |
| 1994-95 | 677.2 | 68.6 | 223.6 | 25.5 | 315.2 | 306.7 | 874.8 | 18.6 | 22.1 | 21.3 | 17.3 | 3.1 | 4.7 | 2,578.6 |
| 1995-96 | 1,174.8 | 45.6 | 194.0 | 46.9 | 152.5 | 269.1 | 372.5 | 46.9 | 35.5 | 17.4 | 25.1 | 8.3 | 3.5 | 2,392.0 |
| 1995 Mar. qtr | 902.5 | 88.6 | 449.5 | 25.8 | 306.4 | 310.1 | 877.2 | 10.6 | 32.5 | 44.6 | 16.6 | 18.9 | 4.3 | 3,087.5 |
| June qtr | 677.2 | 68.6 | 223.6 | 25.5 | 315.2 | 306.7 | 874.8 | 18.6 | 22.1 | 21.3 | 17.3 | 3.1 | 4.7 | 2,578.6 |
| Sept. qtr | 1,409.8 | 111.5 | 847.7 | 17.5 | 278.9 | 336.5 | 553.4 | 220.5 | 65.8 | 27.0 | 8.8 | 6.3 | 5.0 | 3,888.7 |
| Dec. qtr | 1,312.4 | 87.1 | 729.1 | 18.6 | 217.6 | 343.6 | 577.8 | 149.0 | 54.3 | 20.0 | 20.2 | 12.5 | 4.3 | 3,546.5 |
| 1996 Mar. qtr | 1,273.7 | 73.8 | 423.1 | 21.9 | 213.1 | 346.6 | 443.5 | 104.2 | 40.4 | 27.7 | 30.0 | 16.6 | 3.6 | 3,018.2 |
| June qtr | 1,174.8 | 45.6 | 194.0 | 46.9 | 152.5 | 269.1 | 372.5 | 46.9 | 35.5 | 17.4 | 25.1 | 8.3 | 3.5 | 2,392.0 |

TABLE 8. ENGINEERING CONSTRUCTION ACTIVITY BY STAGE OF CONSTRUCTION
(\$ million)

| Period | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Australia |
|---------------------------------------|---------|---------|---------|-------|---------|-------|-------|-------|-----------|
| VALUE OF WORK COMMENCED DURING PERIOD | | | | | | | | | |
| 1993-94 | 4,165.2 | 2,161.3 | 2,708.6 | 658.2 | 1,785.0 | 185.3 | 229.5 | 167.5 | 12,060.6 |
| 1994-95 | 5,005.7 | 2,207.5 | 3,082.9 | 691.6 | 1,962.9 | 190.1 | 253.9 | 157.9 | 13,552.5 |
| 1995-96 | 4,606.9 | 3,449.4 | 3,164.4 | 782.9 | 2,952.5 | 261.8 | 229.1 | 144.8 | 15,591.7 |
| 1995 Mar. qtr | 785.8 | 531.0 | 643.8 | 193.5 | 711.2 | 53.3 | 37.2 | 37.5 | 2,993.5 |
| June qtr | 850.2 | 593.7 | 720.7 | 190.5 | 489.7 | 47.0 | 104.7 | 27.2 | 3,023.8 |
| Sept. qtr | 2,292.3 | 534.8 | 950.7 | 135.9 | 959.6 | 77.8 | 41.9 | 30.3 | 5,023.1 |
| Dec. qtr | 699.6 | 491.2 | 950.4 | 143.8 | 582.2 | 51.1 | 64.8 | 34.3 | 3,017.4 |
| 1996 Mar. qtr | 870.6 | 1,928.9 | 616.0 | 307.0 | 616.0 | 76.8 | 30.7 | 32.7 | 4,478.8 |
| June qtr | 744.5 | 494.5 | 647.3 | 196.1 | 794.7 | 56.1 | 91.7 | 47.5 | 3,072.4 |
| VALUE OF WORK DONE DURING PERIOD | | | | | | | | | |
| 1993-94 | 4,180.1 | 2,329.1 | 2,803.8 | 736.5 | 1,805.2 | 243.4 | 212.9 | 167.2 | 12,478.2 |
| 1994-95 | 4,686.7 | 2,489.1 | 3,019.2 | 687.4 | 1,571.5 | 192.3 | 270.7 | 178.1 | 13,014.9 |
| 1995-96 | 5,196.5 | 2,351.4 | 3,030.5 | 733.9 | 2,685.7 | 255.2 | 201.9 | 140.2 | 14,595.2 |
| 1995 Mar. qtr | 1,089.4 | 593.2 | 669.5 | 157.1 | 373.4 | 50.5 | 50.1 | 34.4 | 3,017.5 |
| June qtr | 1,406.0 | 691.2 | 774.6 | 202.4 | 477.8 | 65.9 | 70.4 | 38.7 | 3,726.9 |
| Sept. qtr | 1,250.9 | 525.2 | 723.7 | 141.5 | 512.3 | 43.3 | 51.5 | 31.8 | 3,280.1 |
| Dec. qtr | 1,287.9 | 574.6 | 839.9 | 168.6 | 731.6 | 67.5 | 60.6 | 38.7 | 3,769.2 |
| 1996 Mar. qtr | 1,221.9 | 600.7 | 674.6 | 198.1 | 585.7 | 78.2 | 42.2 | 29.8 | 3,431.1 |
| June qtr | 1,435.8 | 650.8 | 792.3 | 225.7 | 856.2 | 66.2 | 47.7 | 39.9 | 4,114.7 |
| VALUE OF WORK YET TO BE DONE | | | | | | | | | |
| 1993-94 | 1,178.9 | 747.9 | 967.6 | 171.9 | 786.6 | 56.7 | 69.3 | 39.7 | 4,018.7 |
| 1994-95 | 1,659.1 | 601.6 | 1,010.9 | 266.6 | 1,052.6 | 66.0 | 72.5 | 43.5 | 4,772.8 |
| 1995-96 | 1,055.5 | 1,591.1 | 1,209.9 | 255.0 | 1,353.4 | 94.5 | 97.2 | 47.8 | 5,704.3 |
| 1995 Mar. qtr | 1,958.1 | 653.6 | 1,061.3 | 279.9 | 1,151.3 | 73.9 | 37.0 | 55.3 | 5,270.5 |
| June qtr | 1,659.1 | 601.6 | 1,010.9 | 266.6 | 1,052.6 | 66.0 | 72.5 | 43.5 | 4,772.8 |
| Sept. qtr | 2,693.1 | 589.1 | 1,340.2 | 228.9 | 1,192.1 | 105.4 | 61.4 | 34.8 | 6,244.9 |
| Dec. qtr | 2,210.8 | 596.1 | 1,453.4 | 170.7 | 1,337.7 | 94.5 | 75.4 | 37.1 | 5,975.6 |
| 1996 Mar. qtr | 1,761.0 | 1,909.6 | 1,301.9 | 288.2 | 1,300.5 | 94.1 | 54.0 | 39.2 | 6,748.4 |
| June qtr | 1,055.5 | 1,591.1 | 1,209.9 | 255.0 | 1,353.4 | 94.5 | 97.2 | 47.8 | 5,704.3 |

**TABLE 9. ENGINEERING CONSTRUCTION ACTIVITY : VALUE OF WORK COMMENCED
BY THE SECTOR UNDERTAKING THE WORK, BY TYPE OF CONSTRUCTION**
(\$ million)

| Period, State or Territory | Roads, highways and subdivisions | Bridges | Railways | Harbours | Water storage and supply | Sewerage and drainage | Electricity generation, transmission and distribution | Heavy industry | | | | Total | | |
|-------------------------------|---|-------------|-------------|-------------|-----------------------------------|-----------------------------|---|----------------|--------------|-------------------------|--|--------------|----------------------------|----------------|
| | | | | | | | | Pipelines | Recreation | Telecomm- unications | Oil, gas, coal and other minerals | | Other heavy industry | |
| BY THE PRIVATE SECTOR | | | | | | | | | | | | | | |
| <i>March qtr 1996</i> — r | | | | | | | | | | | | | | |
| NSW | 185.3 | 3.1 | 12.7 | 0.8 | 23.2 | 17.8 | 32.5 | 16.9 | 42.7 | 7.4 | 133.2 | 32.7 | 1.0 | 509.2 |
| Vic. | 1,479.8 | 3.9 | 9.1 | 6.1 | 4.9 | 16.2 | 28.6 | 1.3 | 21.9 | 6.8 | 15.0 | 25.0 | 1.0 | 1,619.6 |
| Qld | 137.4 | 2.9 | 4.4 | 7.1 | 15.2 | 11.5 | 9.1 | 4.1 | 20.8 | 14.9 | 69.0 | 14.5 | 3.0 | 313.8 |
| SA | 45.8 | 2.0 | 0.4 | 0.2 | 2.7 | 8.2 | 117.5 | 7.5 | 10.8 | 0.4 | 29.3 | 13.0 | 2.2 | 240.1 |
| WA | 145.4 | 7.7 | 41.6 | 6.4 | 15.4 | 18.7 | 23.0 | 2.4 | 5.6 | 0.3 | 190.1 | 48.2 | 0.3 | 505.0 |
| Tas. | 17.3 | — | — | — | 0.2 | 9.2 | — | 0.1 | 1.4 | — | 15.0 | 0.4 | 0.8 | 44.4 |
| NT | 5.6 | — | — | 8.7 | 0.1 | — | — | 4.8 | 1.5 | 0.2 | 1.7 | 0.2 | — | 22.8 |
| ACT | 8.1 | — | — | — | 0.2 | — | — | 2.3 | 2.4 | — | — | — | — | 12.9 |
| Australia | 2,024.7 | 19.7 | 68.2 | 29.3 | 61.6 | 81.7 | 210.7 | 39.4 | 107.1 | 30.0 | 453.2 | 134.0 | 8.2 | 3,267.8 |
| <i>June qtr 1996</i> — | | | | | | | | | | | | | | |
| NSW | 125.3 | 3.6 | 31.8 | 5.6 | 7.9 | 7.6 | 26.2 | 23.9 | 44.9 | 8.2 | 41.6 | 39.2 | 1.7 | 367.6 |
| Vic. | 1,082 | 4.6 | 8.3 | 19.9 | 6.9 | 6.3 | 39.2 | 1.7 | 14.2 | 5.3 | 13.3 | 33.1 | 0.2 | 261.1 |
| Qld | 116.5 | 0.6 | 16.6 | 11.3 | 11.5 | 25.1 | 13.0 | 7.3 | 87.8 | 1.5 | 57.0 | 5.1 | 3.8 | 357.1 |
| SA | 36.4 | 2.4 | 1.4 | 0.4 | 2.8 | 6.2 | 2.2 | 7.5 | 4.2 | 0.4 | 3.9 | 9.1 | 2.9 | 79.9 |
| WA | 299.3 | 2.0 | 6.0 | 3.7 | 4.4 | 9.7 | 27.7 | 8.8 | 8.7 | 0.2 | 250.5 | 15.9 | 2.4 | 639.6 |
| Tas. | 31.4 | — | — | 0.7 | 1.0 | 1.3 | — | — | 0.7 | — | 0.5 | 0.1 | 0.2 | 36.0 |
| NT | 20.0 | 1.4 | — | 25.1 | 0.4 | 0.7 | 0.6 | — | 4.4 | 0.2 | 30.8 | — | — | 83.6 |
| ACT | 20.0 | — | — | — | — | 0.2 | — | 0.4 | 9.5 | — | — | — | — | 30.1 |
| Australia | 757.1 | 14.5 | 64.1 | 66.8 | 35.1 | 57.0 | 109.0 | 49.6 | 174.6 | 15.8 | 397.6 | 102.6 | 11.1 | 1,855.0 |
| BY THE PUBLIC SECTOR | | | | | | | | | | | | | | |
| <i>March qtr 1996</i> — r | | | | | | | | | | | | | | |
| NSW | 76.0 | 4.4 | — | — | 13.1 | 14.9 | 31.9 | 0.5 | 10.5 | 210.0 | — | — | 0.2 | 361.4 |
| Vic. | 63.0 | 1.7 | 12.7 | — | 1.9 | 6.2 | 50.2 | 18.4 | 4.6 | 153.4 | — | — | 0.2 | 309.3 |
| Qld | 106.5 | 5.4 | — | 4.1 | 13.9 | 14.7 | 39.3 | 0.1 | 4.6 | 113.7 | — | — | 0.1 | 302.2 |
| SA | 27.3 | — | 0.2 | — | 0.3 | 1.8 | 12.8 | — | 1.1 | 23.4 | — | — | — | 66.9 |
| WA | 26.5 | 1.0 | 0.6 | — | 1.9 | 4.7 | 13.2 | 0.6 | 4.7 | 57.8 | — | — | — | 111.0 |
| Tas. | 7.0 | 0.5 | — | — | 1.3 | 3.4 | 6.1 | — | 0.6 | 13.3 | — | — | — | 32.3 |
| NT | 0.1 | — | — | — | 0.9 | 0.1 | 1.2 | — | — | 5.5 | — | — | — | 7.9 |
| ACT | 0.2 | — | — | — | 0.8 | 0.3 | 3.0 | — | — | 15.6 | — | — | — | 19.8 |
| Australia | 306.7 | 13.0 | 13.5 | 4.1 | 34.0 | 46.1 | 157.8 | 19.6 | 23.0 | 592.7 | — | — | 0.5 | 1,210.9 |

TABLE 9. ENGINEERING CONSTRUCTION ACTIVITY : VALUE OF WORK COMMENCED
BY THE SECTOR UNDERTAKING THE WORK, BY TYPE OF CONSTRUCTION —continued
(\$ million)

| Period, State or Territory | BY THE PUBLIC SECTOR —continued | | | | | | | | | | Heavy industry | | | Total |
|-------------------------------|---|-------------|-------------|-------------|-----------------------------------|---|---|-------------|--------------|------------------------|--|----------------------------|-------------|----------------|
| | Roads, highways and subdivisions | Bridges | Railways | Harbours | Water storage and supply | Sewerage drainage and distribution | Electricity generation, transmission and distribution | Pipelines | Recreation | Telecom- unications | Oil, gas, coal and other minerals | Other heavy industry | Other | |
| June qtr 1996 — | | | | | | | | | | | | | | |
| NSW | 71.9 | 2.4 | ... | 0.1 | 11.4 | 16.4 | 18.1 | 0.6 | 8.4 | 246.7 | ... | ... | 1.1 | 376.9 |
| Vic. | 35.9 | 1.9 | 9.7 | ... | 1.3 | 1.2 | 14.0 | 21.3 | 2.4 | 145.5 | 0.3 | ... | 0.1 | 233.4 |
| Qld | 77.9 | 3.4 | 5.6 | 2.0 | 11.1 | 10.8 | 37.4 | 0.1 | 2.6 | 139.2 | ... | ... | ... | 290.1 |
| SA | 62.3 | 0.1 | 0.7 | 1.3 | 1.3 | 2.7 | 9.3 | ... | 1.0 | 37.4 | ... | ... | 0.1 | 116.2 |
| WA | 24.1 | 2.5 | 0.8 | ... | 6.5 | 8.5 | 12.1 | 0.4 | 3.4 | 96.8 | ... | ... | ... | 155.1 |
| Tas. | 5.0 | 0.2 | ... | ... | 1.2 | 0.8 | ... | ... | 0.3 | 12.6 | ... | ... | ... | 20.1 |
| NT | ... | ... | ... | ... | ... | ... | ... | ... | 0.2 | 7.7 | ... | ... | ... | 8.1 |
| ACT | 0.9 | ... | ... | ... | 0.1 | 1.1 | 3.3 | ... | 0.2 | 12.1 | ... | ... | ... | 17.4 |
| Australia | 277.9 | 10.4 | 16.8 | 3.4 | 32.9 | 41.5 | 94.3 | 22.3 | 18.3 | 697.9 | 0.3 | ... | 1.2 | 1,217.3 |
| TOTAL | | | | | | | | | | | | | | |
| March qtr 1996 — | | | | | | | | | | | | | | |
| NSW | 261.3 | 7.6 | 12.7 | 0.8 | 36.3 | 32.7 | 64.4 | 17.4 | 53.2 | 217.4 | 133.2 | 32.7 | 1.2 | 870.6 |
| Vic. | 1,542.8 | 5.7 | 21.8 | 6.1 | 6.7 | 22.4 | 78.8 | 19.7 | 23.5 | 160.2 | 15.0 | 25.0 | 1.1 | 1,928.9 |
| Qld | 243.8 | 8.2 | 4.4 | 11.1 | 29.1 | 26.1 | 48.4 | 4.2 | 25.4 | 128.6 | 69.0 | 14.5 | 3.1 | 616.0 |
| SA | 75.1 | 2.0 | 0.5 | 0.2 | 3.1 | 10.1 | 130.3 | 7.5 | 11.9 | 23.8 | 29.3 | 13.0 | 2.2 | 307.0 |
| WA | 172.0 | 8.7 | 42.2 | 6.4 | 17.2 | 23.4 | 36.2 | 3.1 | 10.3 | 58.0 | 190.1 | 48.2 | 0.3 | 616.0 |
| Tas. | 24.3 | 0.5 | ... | ... | 1.5 | 12.7 | 6.1 | 0.1 | 2.0 | 13.3 | 15.0 | 0.4 | 0.8 | 76.8 |
| NT | 5.7 | ... | ... | 8.7 | 0.9 | 0.1 | 1.2 | 4.8 | 1.6 | 5.7 | 1.7 | 0.2 | ... | 30.7 |
| ACT | 8.3 | ... | ... | ... | 0.8 | 0.4 | 3.0 | 2.3 | 2.4 | 15.6 | ... | ... | ... | 32.7 |
| Australia | 2,331.4 | 32.7 | 81.6 | 33.4 | 95.6 | 127.9 | 368.4 | 59.0 | 130.1 | 622.6 | 453.2 | 134.0 | 8.7 | 4,478.8 |
| June qtr 1996 — | | | | | | | | | | | | | | |
| NSW | 197.1 | 6.0 | 31.8 | 5.7 | 19.3 | 24.0 | 44.2 | 24.5 | 53.3 | 254.9 | 41.6 | 39.2 | 2.7 | 744.5 |
| Vic. | 144.1 | 6.4 | 18.0 | 19.9 | 8.2 | 7.5 | 53.2 | 22.9 | 16.5 | 150.8 | 13.6 | 33.1 | 0.2 | 494.5 |
| Qld | 194.4 | 4.0 | 22.2 | 13.4 | 22.6 | 35.9 | 58.4 | 7.5 | 90.5 | 140.7 | 57.0 | 5.1 | 3.8 | 647.3 |
| SA | 98.7 | 2.5 | 2.1 | 1.7 | 4.1 | 8.9 | 11.6 | 7.5 | 5.2 | 37.8 | 3.9 | 9.1 | 3.0 | 196.1 |
| WA | 323.4 | 4.5 | 6.8 | 3.7 | 11.0 | 18.3 | 39.8 | 9.2 | 12.2 | 97.0 | 250.5 | 15.9 | 2.4 | 794.7 |
| Tas. | 36.4 | 0.2 | ... | 0.7 | 2.2 | 2.1 | ... | ... | 1.1 | 12.6 | 0.5 | 0.1 | 0.2 | 56.1 |
| NT | 20.0 | 1.4 | ... | 25.1 | 0.5 | 0.7 | 0.8 | ... | 4.6 | 7.8 | 30.8 | ... | ... | 91.7 |
| ACT | 20.9 | ... | ... | ... | 0.1 | 1.2 | 3.3 | 0.4 | 9.5 | 12.1 | ... | ... | ... | 47.5 |
| Australia | 1,035.1 | 25.0 | 80.9 | 70.2 | 68.0 | 98.5 | 203.3 | 71.9 | 192.9 | 713.7 | 397.9 | 102.6 | 12.3 | 3,072.4 |

**TABLE 10. ENGINEERING CONSTRUCTION ACTIVITY : VALUE OF WORK DONE DURING PERIOD
BY THE SECTOR UNDERTAKING THE WORK, BY TYPE OF CONSTRUCTION**
(\$ million)

| Period, State or Territory | Roads, highways and subdivisions | Bridges | Railways | Harbours | Water storage and supply | Sewerage drainage and distribution | Electricity generation, transmission and distribution | Heavy industry | | | | Total | |
|-------------------------------|---|---------|----------|----------|-----------------------------------|---|---|----------------|------------|------------------------|-----------------------------------|-------|----------------------------|
| | | | | | | | | Pipelines | Recreation | Telecom- unications | Oil, gas, coal and minerals | | Other heavy industry |
| BY THE PRIVATE SECTOR | | | | | | | | | | | | | |
| <i>March qtr 1996 - r</i> | | | | | | | | | | | | | |
| NSW | 160.7 | 10.7 | 19.4 | 3.9 | 40.1 | 33.2 | 41.0 | 40.9 | 19.9 | 83.0 | 47.2 | 2.8 | 533.9 |
| Vic. | 166.5 | 5.2 | 3.0 | 0.3 | 9.0 | 19.3 | 35.9 | 16.8 | 15.2 | 25.1 | 21.8 | 0.2 | 321.4 |
| Qld | 116.4 | 2.3 | 23.2 | 5.2 | 15.2 | 14.7 | 22.3 | 22.7 | 2.4 | 85.7 | 8.6 | 3.4 | 336.0 |
| SA | 35.6 | 2.0 | 0.6 | 0.2 | 2.5 | 6.1 | 36.9 | 14.4 | 0.4 | 5.8 | 12.8 | 1.8 | 122.9 |
| WA | 102.8 | 3.7 | 12.1 | 4.3 | 11.7 | 6.8 | 45.7 | 4.2 | 19.5 | 168.9 | 19.1 | 1.8 | 451.1 |
| Tas. | 25.6 | — | — | — | 2.4 | 2.8 | — | 1.2 | — | 9.2 | 2.5 | 0.8 | 44.7 |
| NT | 7.6 | — | — | 7.4 | 0.1 | 5.1 | 3.0 | 2.4 | 0.2 | 9.2 | 0.4 | — | 36.1 |
| ACT | 9.6 | — | — | — | 0.3 | 0.1 | — | 2.9 | — | — | — | — | 14.1 |
| Australia | 624.8 | 24.1 | 58.4 | 21.5 | 81.3 | 88.2 | 184.9 | 105.5 | 57.6 | 386.9 | 172.4 | 10.7 | 1,860.1 |
| <i>June qtr 1996 -</i> | | | | | | | | | | | | | |
| NSW | 181.2 | 4.2 | 27.3 | 4.2 | 30.4 | 36.3 | 45.4 | 41.7 | 19.2 | 114.1 | 41.5 | 1.7 | 580.6 |
| Vic. | 174.5 | 5.7 | 5.2 | 1.3 | 10.3 | 22.8 | 53.9 | 18.8 | 16.1 | 17.7 | 53.6 | 0.8 | 382.5 |
| Qld | 135.2 | 3.2 | 21.1 | 11.0 | 19.3 | 8.8 | 19.0 | 20.7 | 7.8 | 122.2 | 6.3 | 3.8 | 398.9 |
| SA | 42.3 | 2.4 | 1.2 | 0.2 | 3.2 | 5.0 | 2.5 | 5.6 | 2.5 | 10.2 | 9.3 | 2.1 | 98.7 |
| WA | 128.4 | 2.5 | 22.0 | 4.9 | 8.2 | 15.3 | 43.5 | 8.5 | 9.3 | 275.4 | 17.6 | 3.4 | 649.6 |
| Tas. | 18.0 | — | — | 0.1 | 2.5 | 4.6 | — | 0.8 | — | 2.0 | 1.3 | 0.2 | 29.6 |
| NT | 13.2 | 0.5 | — | 4.6 | 0.3 | 0.7 | 2.4 | 2.0 | 0.2 | 12.5 | 0.3 | — | 37.9 |
| ACT | 13.6 | — | — | — | 0.2 | 0.1 | — | 3.3 | — | — | — | — | 18.9 |
| Australia | 706.4 | 18.5 | 76.8 | 26.4 | 74.4 | 93.5 | 166.7 | 101.5 | 55.1 | 554.1 | 129.8 | 11.9 | 2,196.6 |
| BY THE PUBLIC SECTOR | | | | | | | | | | | | | |
| <i>March qtr 1996 - r</i> | | | | | | | | | | | | | |
| NSW | 195.3 | 14.6 | 176.4 | — | 20.0 | 20.1 | 34.3 | 11.2 | 215.3 | — | — | 0.2 | 687.9 |
| Vic. | 56.6 | 1.4 | 14.5 | — | 3.9 | 7.6 | 21.2 | 2.0 | 153.5 | 0.1 | — | 0.2 | 279.4 |
| Qld | 110.5 | 5.4 | 17.5 | 4.1 | 15.8 | 14.2 | 51.2 | 6.5 | 113.3 | — | — | — | 338.6 |
| SA | 29.7 | — | 0.2 | — | 3.2 | 3.2 | 12.8 | 2.5 | 23.4 | — | — | 0.1 | 75.2 |
| WA | 44.9 | 1.3 | 3.9 | — | 1.9 | 4.9 | 13.4 | 5.1 | 57.8 | — | — | — | 134.7 |
| Tas. | 12.6 | 0.5 | — | — | 1.3 | 2.2 | 1.5 | 0.8 | 14.6 | — | — | — | 33.5 |
| NT | 0.1 | — | — | — | 0.3 | 0.1 | 0.6 | 0.1 | 5.0 | — | — | — | 6.1 |
| ACT | 0.5 | — | — | — | 0.4 | 1.0 | 3.3 | — | 10.5 | — | — | — | 15.7 |
| Australia | 450.2 | 23.2 | 212.5 | 4.1 | 47.0 | 53.2 | 138.3 | 28.2 | 593.4 | 0.1 | — | 0.6 | 1,571.0 |

**TABLE 10. ENGINEERING CONSTRUCTION ACTIVITY : VALUE OF WORK DONE DURING PERIOD
BY THE SECTOR UNDERTAKING THE WORK, BY TYPE OF CONSTRUCTION —continued**
(\$ million)

| Period, State or Territory | Roads, highways and subdivisions | Bridges | Railways | Harbours | Water storage and supply | Electricity | | | Heavy industry | | | Total | |
|--|---|-------------|--------------|-------------|-----------------------------------|-----------------------------|--|--------------|----------------|-------------------------|--|--------------|----------------------------|
| | | | | | | Sewerage and drainage | generation, transmission and distribution | Pipelines | Recreation | Telecomm- unications | Oil, gas, coal and other minerals | | Other heavy industry |
| BY THE PUBLIC SECTOR —continued | | | | | | | | | | | | | |
| <i>June qtr 1996</i> | | | | | | | | | | | | | |
| NSW | 294.0 | 17.3 | 212.6 | — | 19.7 | 21.3 | 23.2 | 0.6 | 12.5 | 253.4 | — | 0.6 | 855.2 |
| Vic. | 45.9 | 1.3 | 15.9 | — | 2.4 | 4.4 | 28.9 | 21.3 | 2.6 | 145.3 | 0.2 | — | 268.3 |
| Qld | 126.5 | 9.5 | 28.3 | 2.0 | 15.6 | 15.8 | 50.0 | 0.1 | 5.3 | 140.4 | — | 0.1 | 393.5 |
| SA | 64.2 | 0.1 | 0.3 | 0.6 | 5.8 | 6.5 | 9.3 | 6.4 | 2.7 | 37.4 | — | — | 127.0 |
| WA | 64.2 | 5.0 | 2.9 | — | 6.6 | 7.9 | 12.1 | 6.4 | 5.1 | 96.4 | — | — | 206.6 |
| Tas. | 12.7 | 0.2 | — | — | 1.3 | 1.4 | 6.9 | — | 1.2 | 13.0 | — | — | 36.7 |
| NT | 0.2 | — | — | — | 0.8 | 0.1 | 1.1 | — | — | 7.7 | — | — | 9.8 |
| ACT | 1.0 | — | — | — | 0.1 | 3.4 | 3.7 | — | — | 12.9 | — | — | 21.1 |
| Australia | 608.5 | 33.4 | 260.0 | 2.7 | 52.3 | 60.8 | 135.1 | 28.4 | 29.3 | 706.5 | 0.2 | 0.9 | 1,918.1 |
| TOTAL | | | | | | | | | | | | | |
| <i>March qtr 1996</i> | | | | | | | | | | | | | |
| NSW | 356.0 | 25.3 | 195.8 | 4.0 | 60.1 | 53.3 | 75.3 | 31.5 | 52.1 | 235.3 | 83.0 | 47.2 | 1,221.9 |
| Vic. | 223.1 | 6.6 | 17.6 | 0.3 | 12.9 | 26.9 | 57.2 | 21.5 | 18.8 | 168.7 | 25.1 | 21.8 | 600.7 |
| Qld | 226.9 | 7.8 | 40.7 | 9.3 | 31.0 | 28.9 | 73.6 | 13.9 | 29.3 | 115.7 | 85.7 | 8.6 | 674.6 |
| SA | 65.3 | 2.0 | 0.8 | 0.2 | 5.7 | 9.3 | 49.7 | 3.8 | 16.9 | 23.8 | 5.8 | 12.8 | 198.1 |
| WA | 147.7 | 5.0 | 16.0 | 4.3 | 13.7 | 11.7 | 59.2 | 51.8 | 9.4 | 77.2 | 168.9 | 19.1 | 585.7 |
| Tas. | 38.2 | 0.5 | — | — | 3.8 | 5.0 | 1.5 | — | 2.0 | 14.6 | 9.2 | 2.5 | 78.2 |
| NT | 7.8 | — | — | 7.4 | 0.4 | 5.2 | 3.5 | 0.7 | 2.4 | 5.2 | 9.2 | 0.4 | 42.2 |
| ACT | 10.1 | — | — | — | 0.7 | 1.2 | 3.3 | 1.1 | 2.9 | 10.5 | — | — | 29.8 |
| Australia | 1,075.0 | 47.3 | 270.8 | 25.6 | 128.3 | 141.4 | 323.1 | 124.3 | 133.7 | 651.0 | 386.9 | 112.4 | 3,431.1 |
| <i>June qtr 1996</i> | | | | | | | | | | | | | |
| NSW | 475.2 | 21.6 | 239.9 | 4.2 | 50.2 | 57.6 | 68.6 | 33.9 | 54.2 | 272.6 | 114.1 | 41.5 | 1,435.8 |
| Vic. | 220.4 | 7.0 | 21.0 | 1.3 | 12.7 | 27.3 | 82.8 | 23.2 | 21.4 | 161.4 | 17.9 | 53.6 | 650.8 |
| Qld | 261.6 | 12.6 | 49.4 | 13.0 | 34.9 | 24.5 | 69.0 | 20.6 | 26.0 | 148.3 | 122.2 | 6.3 | 792.3 |
| SA | 106.5 | 2.5 | 1.5 | 0.8 | 8.9 | 11.5 | 11.8 | 12.2 | 8.3 | 39.9 | 10.2 | 9.3 | 225.7 |
| WA | 192.5 | 7.5 | 24.9 | 4.9 | 14.8 | 23.2 | 55.6 | 117.0 | 13.7 | 105.7 | 275.4 | 17.6 | 856.2 |
| Tas. | 30.7 | 0.2 | — | 0.1 | 3.7 | 6.0 | 6.9 | 0.1 | 2.0 | 13.0 | 2.0 | 1.3 | 66.2 |
| NT | 13.3 | 0.5 | — | 4.6 | 1.1 | 0.7 | 3.5 | 1.2 | 2.0 | 7.8 | 12.5 | 0.3 | 47.7 |
| ACT | 14.6 | — | — | — | 0.3 | 3.5 | 3.7 | 1.6 | 3.3 | 12.9 | — | — | 39.9 |
| Australia | 1,314.9 | 51.9 | 336.8 | 29.1 | 126.7 | 154.3 | 301.9 | 209.8 | 130.8 | 761.6 | 554.3 | 129.8 | 4,114.7 |

TABLE II. ENGINEERING CONSTRUCTION ACTIVITY: VALUE OF WORK YET TO BE DONE AT END OF PERIOD
BY THE SECTOR UNDERTAKING THE WORK, BY TYPE OF CONSTRUCTION
(\$ million)

| Period, State or Territory | Roads, highways and subdivisions | Bridges | Railways | Harbours | Water storage and supply | Sewerage drainage and distribution | Electricity generation, transmission and distribution | Pipelines | Recreation | Telecomm- unications | Heavy industry | | | Total |
|-------------------------------|---|-------------|--------------|-------------|-----------------------------------|---|---|--------------|--------------|-------------------------|--|----------------------------|------------|----------------|
| | | | | | | | | | | | Oil, gas, coal and other minerals | Other heavy industry | Other | |
| BY THE PRIVATE SECTOR | | | | | | | | | | | | | | |
| <i>March qtr 1996 - r</i> | | | | | | | | | | | | | | |
| NSW | 418.6 | 9.5 | 37.4 | 3.2 | 49.2 | 56.4 | 89.8 | 11.4 | 9.8 | 27.3 | 205.6 | 63.9 | — | 982.0 |
| Vic. | 1,533.3 | 4.9 | 8.7 | 5.8 | 8.9 | 55.6 | 59.6 | 0.3 | 15.4 | 30.6 | 23.5 | 43.7 | 1.0 | 1,791.2 |
| Qld | 202.2 | 2.1 | 35.1 | 8.1 | 17.3 | 20.6 | 169.1 | 27.4 | 2.8 | 15.9 | 225.0 | 9.4 | — | 735.1 |
| SA | 22.0 | — | 0.1 | — | 2.1 | 3.4 | 81.9 | 12.5 | 5.8 | 2.2 | 32.1 | 27.7 | 0.4 | 190.1 |
| WA | 111.6 | 5.3 | 52.3 | 7.7 | 10.8 | 15.0 | 208.4 | 141.5 | 3.2 | 8.1 | 613.0 | 45.6 | 2.2 | 1,224.8 |
| Tas. | 14.3 | — | — | — | 2.7 | 10.1 | — | 0.1 | 0.2 | — | 6.4 | 10.9 | — | 44.7 |
| NT | 1.1 | — | — | 1.3 | — | 10.0 | 3.5 | 4.5 | 0.1 | — | 27.0 | 0.3 | — | 47.8 |
| ACT | 21.5 | — | — | — | 0.2 | — | — | 1.1 | 4.9 | — | — | — | — | 27.8 |
| Australia | 2,324.6 | 21.9 | 133.6 | 26.0 | 91.3 | 171.2 | 612.2 | 198.9 | 42.3 | 84.2 | 1,132.4 | 201.4 | 3.6 | 5,043.5 |
| <i>June qtr 1996 —</i> | | | | | | | | | | | | | | |
| NSW | 387.0 | 8.9 | 42.8 | 4.6 | 30.8 | 18.7 | 68.4 | 3.1 | 9.7 | 18.5 | 150.5 | 69.9 | — | 812.8 |
| Vic. | 1,297.2 | 4.1 | 13.2 | 24.8 | 3.6 | 42.7 | 46.2 | 0.1 | 11.1 | 22.4 | 20.6 | 29.3 | 0.3 | 1,515.5 |
| Qld | 186.8 | 0.1 | 35.1 | 8.9 | 10.7 | 33.9 | 171.6 | 20.5 | 69.8 | 9.8 | 206.6 | 8.2 | 0.1 | 762.2 |
| SA | 17.7 | — | 0.2 | — | 1.7 | 4.7 | 81.6 | 7.3 | 1.2 | 0.2 | 28.2 | 28.5 | 1.1 | 172.5 |
| WA | 364.8 | 5.0 | 40.2 | 7.9 | 6.1 | 11.8 | 195.7 | 39.9 | 3.0 | 4.7 | 588.7 | 44.1 | 3.7 | 1,315.6 |
| Tas. | 29.0 | — | — | 0.6 | 1.2 | 7.5 | — | — | — | — | 0.1 | 9.7 | — | 48.1 |
| NT | 7.9 | 0.9 | — | 22.8 | 0.1 | — | 2.0 | 3.3 | 2.6 | — | 53.2 | — | — | 92.9 |
| ACT | 28.8 | — | — | — | — | 0.1 | — | — | 11.2 | — | — | — | — | 40.1 |
| Australia | 2,319.1 | 19.0 | 131.5 | 69.8 | 54.3 | 119.2 | 563.5 | 74.2 | 108.5 | 55.7 | 1,047.9 | 189.8 | 5.2 | 4,759.8 |
| BY THE PUBLIC SECTOR | | | | | | | | | | | | | | |
| <i>March qtr 1996 - r</i> | | | | | | | | | | | | | | |
| NSW | 345.6 | 21.7 | 215.0 | — | 40.9 | 83.8 | 46.5 | — | 14.7 | 10.6 | — | — | 0.1 | 779.0 |
| Vic. | 26.2 | 1.8 | 8.1 | — | 3.3 | 21.4 | 54.8 | — | 0.9 | 1.7 | 0.1 | — | — | 118.4 |
| Qld | 230.0 | 25.7 | 122.6 | — | 40.2 | 54.3 | 80.2 | — | 10.3 | 3.2 | — | — | 0.2 | 566.8 |
| SA | 9.3 | — | — | — | 50.9 | 35.2 | — | — | 2.4 | 0.1 | — | — | 0.1 | 98.1 |
| WA | 53.5 | 3.9 | 4.0 | — | 0.1 | 0.8 | — | 9.2 | 4.1 | — | — | — | — | 75.7 |
| Tas. | 10.1 | 0.6 | — | — | 1.5 | 2.9 | 31.1 | — | 1.2 | 2.0 | — | — | — | 49.4 |
| NT | 0.2 | — | — | — | 1.7 | 0.3 | 3.3 | — | 0.1 | 0.7 | — | — | — | 6.2 |
| ACT | 0.1 | — | — | — | 2.6 | 2.5 | 1.1 | — | — | 5.1 | — | — | — | 11.4 |
| Australia | 675.0 | 53.7 | 349.7 | — | 141.2 | 201.1 | 217.1 | 9.3 | 33.8 | 23.4 | 0.1 | — | 0.4 | 1,704.9 |

TABLE 11. ENGINEERING CONSTRUCTION ACTIVITY: VALUE OF WORK YET TO BE DONE AT END OF PERIOD
BY THE SECTOR UNDERTAKING THE WORK, BY TYPE OF CONSTRUCTION — continued

| Period, State or Territory | Roads, highways and subdivisions | Bridges | Railways | Harbours | Water storage and supply | Sewerage drainage and distribution | Electricity generation, transmission and distribution | Heavy industry | | | | Total | | |
|----------------------------------|---|---------|----------|----------|-----------------------------------|---|---|----------------|------------|-------------------------|--|---------|----------------------------|---------|
| | | | | | | | | Pipelines | Recreation | Telecomm- unications | Oil, gas, coal and other minerals | | Other heavy industry | |
| BY THE PUBLIC SECTOR — continued | | | | | | | | | | | | | | |
| June qtr 1996 — | | | | | | | | | | | | | | |
| NSW | 122.3 | 7.4 | 2.4 | 0.1 | 22.9 | 63.7 | 8.6 | — | — | 10.4 | 4.3 | — | 0.5 | 242.6 |
| Vic. | 9.3 | 0.4 | 2.0 | — | 2.4 | 18.1 | 41.4 | — | 0.2 | — | 1.5 | — | — | 75.6 |
| Qld | 176.2 | 19.6 | 99.0 | — | 29.0 | 47.9 | 66.5 | — | — | 7.5 | 2.0 | — | — | 447.7 |
| SA | 5.3 | — | 0.4 | 1.7 | 43.5 | 30.6 | — | — | — | 0.8 | 0.1 | — | 0.1 | 82.4 |
| WA | 14.1 | 1.3 | 1.9 | — | 0.1 | 1.3 | — | 16.2 | — | 2.6 | 0.4 | — | — | 37.7 |
| Tas. | 2.4 | 0.4 | — | — | 1.4 | 0.2 | 39.9 | — | — | 0.5 | 1.7 | — | — | 46.4 |
| NT | — | — | — | — | 0.9 | 0.3 | 2.3 | — | — | 0.2 | 0.7 | — | — | 4.3 |
| ACT | 0.1 | — | — | — | 2.6 | 0.2 | 0.7 | — | — | — | 4.2 | — | — | 7.7 |
| Australia | 329.6 | 29.1 | 105.6 | 1.8 | 102.6 | 162.3 | 159.4 | 16.3 | 0.2 | 22.4 | 14.8 | — | 0.6 | 944.6 |
| TOTAL | | | | | | | | | | | | | | |
| March qtr 1996 — r | | | | | | | | | | | | | | |
| NSW | 764.2 | 31.3 | 252.4 | 3.2 | 90.1 | 140.2 | 136.3 | 11.4 | — | 24.5 | 37.8 | 205.6 | 63.9 | 1,761.0 |
| Vic. | 1,559.5 | 6.6 | 16.9 | 5.8 | 12.2 | 77.0 | 114.4 | 0.3 | — | 16.3 | 32.3 | 23.6 | 43.7 | 1,909.6 |
| Qld | 432.2 | 27.8 | 157.7 | 8.1 | 57.5 | 74.9 | 249.3 | 27.4 | — | 13.2 | 19.2 | 225.0 | 9.4 | 1,301.9 |
| SA | 31.2 | — | 0.1 | — | 53.1 | 38.6 | 81.9 | 12.5 | — | 8.3 | 2.3 | 32.1 | 27.7 | 288.2 |
| WA | 165.2 | 9.3 | 56.3 | 7.7 | 10.9 | 15.8 | 208.4 | 150.8 | — | 7.3 | 8.2 | 613.0 | 45.6 | 1,300.5 |
| Tas. | 24.4 | 0.6 | — | — | 4.2 | 13.0 | 31.1 | 0.1 | — | 1.5 | 2.0 | 6.4 | 10.9 | 94.1 |
| NT | 1.3 | — | — | 1.3 | 1.7 | 10.3 | 6.8 | 4.5 | — | 0.2 | 0.7 | 27.0 | 0.3 | 54.0 |
| ACT | 21.6 | — | — | — | 2.8 | 2.5 | 1.1 | 1.1 | — | 4.9 | 5.1 | — | — | 39.2 |
| Australia | 2,999.6 | 75.5 | 483.3 | 26.0 | 232.5 | 372.3 | 829.4 | 208.1 | 0.2 | 76.1 | 107.6 | 1,132.5 | 201.4 | 6,748.4 |
| June qtr 1996 — | | | | | | | | | | | | | | |
| NSW | 509.2 | 16.3 | 45.2 | 4.6 | 53.7 | 82.4 | 77.0 | 3.2 | — | 20.1 | 22.8 | 150.5 | 69.9 | 1,055.5 |
| Vic. | 1,306.5 | 4.5 | 15.2 | 24.8 | 5.9 | 60.8 | 87.6 | 0.1 | — | 11.6 | 23.9 | 20.8 | 29.3 | 1,591.1 |
| Qld | 363.1 | 19.7 | 134.1 | 8.9 | 39.7 | 81.8 | 238.0 | 20.5 | — | 77.3 | 11.8 | 206.6 | 8.2 | 1,209.9 |
| SA | 23.0 | — | 0.6 | 2.0 | 45.2 | 35.3 | 81.6 | 7.3 | — | 1.9 | 0.3 | 28.2 | 28.5 | 255.0 |
| WA | 378.9 | 6.3 | 42.1 | 7.9 | 6.2 | 13.1 | 195.7 | 56.1 | — | 5.5 | 5.1 | 588.7 | 44.1 | 1,353.4 |
| Tas. | 31.4 | 0.4 | — | 0.6 | 2.6 | 7.6 | 39.9 | — | — | 0.5 | 1.7 | 0.1 | 9.7 | 94.5 |
| NT | 7.9 | 0.9 | — | 22.8 | 1.0 | 0.3 | 4.4 | 3.3 | — | 2.7 | 0.7 | 53.2 | — | 97.2 |
| ACT | 28.8 | — | — | — | 2.6 | 0.2 | 0.7 | — | — | 11.2 | 4.2 | — | — | 47.8 |
| Australia | 2,648.7 | 48.1 | 237.1 | 71.6 | 156.9 | 281.4 | 724.9 | 90.4 | 0.2 | 130.9 | 70.5 | 1,048.1 | 189.8 | 5,704.3 |

**TABLE 12. ENGINEERING CONSTRUCTION ACTIVITY BY STAGE OF CONSTRUCTION
BY THE PRIVATE SECTOR**

(\$ million)

| <i>Stage of construction</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>Australia</i> |
|---------------------------------|------------|-------------|------------|-----------|-----------|-------------|-----------|------------|------------------|
| MARCH QUARTER 1996 r | | | | | | | | | |
| <i>For the private sector —</i> | | | | | | | | | |
| Value of work commenced | 278.7 | 1,419.0 | 201.1 | 171.4 | 340.8 | 22.1 | 9.3 | 6.9 | 2,449.3 |
| Value of work done | 346.5 | 154.1 | 226.0 | 83.3 | 331.5 | 20.8 | 15.9 | 6.9 | 1,184.8 |
| Value of work yet to be done | 672.0 | 1,445.1 | 398.8 | 143.5 | 991.0 | 22.7 | 35.5 | 21.7 | 3,730.2 |
| <i>For the public sector —</i> | | | | | | | | | |
| Value of work commenced | 230.4 | 200.7 | 112.7 | 68.7 | 164.2 | 22.3 | 13.5 | 6.0 | 818.5 |
| Value of work done | 187.5 | 167.3 | 110.1 | 39.7 | 119.5 | 23.9 | 20.2 | 7.2 | 675.3 |
| Value of work yet to be done | 310.0 | 346.1 | 336.4 | 46.6 | 233.8 | 22.0 | 12.4 | 6.1 | 1,313.3 |
| Total | | | | | | | | | |
| Value of work commenced | 509.2 | 1,619.6 | 313.8 | 240.1 | 505.0 | 44.4 | 22.8 | 12.9 | 3,267.8 |
| Value of work done | 533.9 | 321.4 | 336.0 | 122.9 | 451.1 | 44.7 | 36.1 | 14.1 | 1,860.1 |
| Value of work yet to be done | 982.0 | 1,791.2 | 735.1 | 190.1 | 1,224.8 | 44.7 | 47.8 | 27.8 | 5,043.5 |
| JUNE QUARTER 1996 | | | | | | | | | |
| <i>For the private sector —</i> | | | | | | | | | |
| Value of work commenced | 204.6 | 160.2 | 224.8 | 43.4 | 346.5 | 3.3 | 33.9 | 16.9 | 1,033.6 |
| Value of work done | 390.4 | 197.3 | 259.8 | 50.6 | 454.1 | 8.9 | 18.6 | 11.1 | 1,390.8 |
| Value of work yet to be done | 534.9 | 1,227.3 | 421.9 | 135.7 | 893.5 | 12.1 | 59.0 | 27.9 | 3,312.3 |
| <i>For the public sector —</i> | | | | | | | | | |
| Value of work commenced | 163.0 | 100.8 | 132.4 | 36.5 | 293.1 | 32.7 | 49.7 | 13.2 | 821.4 |
| Value of work done | 190.3 | 185.2 | 139.0 | 48.1 | 195.5 | 20.7 | 19.3 | 7.8 | 805.8 |
| Value of work yet to be done | 277.9 | 288.2 | 340.3 | 36.8 | 422.1 | 36.0 | 33.9 | 12.2 | 1,447.4 |
| Total | | | | | | | | | |
| Value of work commenced | 367.6 | 261.1 | 357.1 | 79.9 | 639.6 | 36.0 | 83.6 | 30.1 | 1,855.0 |
| Value of work done | 580.6 | 382.5 | 398.9 | 98.7 | 649.6 | 29.6 | 37.9 | 18.9 | 2,196.6 |
| Value of work yet to be done | 812.8 | 1,515.5 | 762.2 | 172.5 | 1,315.6 | 48.1 | 92.9 | 40.1 | 4,759.8 |

**TABLE 13. ENGINEERING CONSTRUCTION ACTIVITY BY STAGE OF CONSTRUCTION
BY THE PUBLIC SECTOR
(\$ million)**

| State or Territory | Value of work commenced | | Value of work done | | Value of work yet to be done | |
|---------------------------------------|-------------------------|----------------|--------------------|----------------|------------------------------|---------------|
| | Mar. qtr 1996 r | June qtr 1996 | Mar. qtr 1996 r | June qtr 1996 | Mar. qtr 1996 r | June qtr 1996 |
| COMMONWEALTH GOVERNMENT | | | | | | |
| NSW | 210.0 | 246.7 | 209.9 | 246.7 | 6.0 | 7.7 |
| Vic. | 153.4 | 145.5 | 153.5 | 145.3 | 1.7 | 1.5 |
| Qld | 113.6 | 139.2 | 113.2 | 140.3 | 2.9 | 1.7 |
| SA | 23.4 | 37.4 | 23.4 | 37.4 | 0.1 | 0.1 |
| WA | 57.8 | 96.8 | 57.8 | 96.4 | — | 0.4 |
| Tas. | 13.3 | 12.6 | 13.3 | 12.6 | — | — |
| NT | 5.5 | 7.7 | 5.0 | 7.7 | 0.7 | 0.7 |
| ACT | 10.3 | 12.1 | 10.3 | 12.1 | — | — |
| <i>Australia</i> | <i>587.3</i> | <i>697.9</i> | <i>586.4</i> | <i>698.5</i> | <i>11.4</i> | <i>12.1</i> |
| STATE AND TERRITORY GOVERNMENT | | | | | | |
| NSW | 41.5 | 34.1 | 361.5 | 475.4 | 594.3 | 115.9 |
| Vic. | 110.9 | 64.5 | 88.7 | 90.7 | 88.2 | 63.8 |
| Qld | 94.7 | 73.1 | 130.0 | 147.3 | 349.7 | 268.9 |
| SA | 29.7 | 63.5 | 33.9 | 70.5 | 83.6 | 75.5 |
| WA | 19.8 | 32.2 | 41.0 | 69.8 | 43.2 | 18.8 |
| Tas. | 8.1 | 2.9 | 8.5 | 12.7 | 35.0 | 41.6 |
| NT | 2.2 | 0.2 | 0.9 | 1.9 | 5.3 | 3.5 |
| ACT(a) | 9.5 | 5.3 | 5.4 | 9.0 | 11.4 | 7.7 |
| <i>Australia</i> | <i>316.4</i> | <i>275.8</i> | <i>670.0</i> | <i>877.4</i> | <i>1,210.7</i> | <i>595.7</i> |
| LOCAL GOVERNMENT | | | | | | |
| NSW | 109.9 | 96.1 | 116.5 | 133.1 | 178.6 | 119.0 |
| Vic. | 45.0 | 23.5 | 37.2 | 32.3 | 28.5 | 10.3 |
| Qld | 93.8 | 77.9 | 95.3 | 105.8 | 214.2 | 177.1 |
| SA | 13.9 | 15.3 | 17.9 | 19.1 | 14.3 | 6.8 |
| WA | 33.5 | 26.1 | 36.0 | 40.3 | 32.5 | 18.6 |
| Tas. | 10.9 | 4.6 | 11.7 | 11.4 | 14.5 | 4.8 |
| NT | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| ACT | — | — | — | — | — | — |
| <i>Australia</i> | <i>307.2</i> | <i>243.7</i> | <i>314.7</i> | <i>342.2</i> | <i>482.8</i> | <i>336.8</i> |
| TOTAL GOVERNMENT | | | | | | |
| NSW | 361.4 | 376.9 | 687.9 | 855.2 | 779.0 | 242.6 |
| Vic. | 309.3 | 233.4 | 279.4 | 268.3 | 118.4 | 75.6 |
| Qld | 302.2 | 290.1 | 338.6 | 393.5 | 566.8 | 447.7 |
| SA | 66.9 | 116.2 | 75.2 | 127.0 | 98.1 | 82.4 |
| WA | 111.0 | 155.1 | 134.7 | 206.6 | 75.7 | 37.7 |
| Tas. | 32.3 | 20.1 | 33.5 | 36.7 | 49.4 | 46.4 |
| NT | 7.9 | 8.1 | 6.1 | 9.8 | 6.2 | 4.3 |
| ACT | 19.8 | 17.4 | 15.7 | 21.1 | 11.4 | 7.7 |
| <i>Australia</i> | <i>1,210.9</i> | <i>1,217.3</i> | <i>1,571.0</i> | <i>1,918.1</i> | <i>1,704.9</i> | <i>944.6</i> |

(a) From September quarter 1990, data relating to the ACT Government has been excluded from Commonwealth Government activity for the ACT and is shown separately as ACT Government activity.

TABLE 14. APPROXIMATE RELATIVE STANDARD ERRORS ON QUARTERLY ESTIMATES FOR THE VALUE OF WORK COMMENCED BY SECTOR UNDERTAKING THE WORK (percentage)

| State or Territory | Roads, highways and subdivisions | Bridges | Railways | Harbours | Water storage and supply | Sewerage and drainage | Electricity generation, transmission and distribution | Heavy industry | | | Total | | | |
|------------------------------|----------------------------------|-------------|------------|------------|--------------------------|-----------------------|---|----------------|------------|--------------------|------------|-----------------------------------|----------------------|------------|
| | | | | | | | | Pipelines | Recreation | Telecommunications | | Oil, gas, coal and other minerals | Other heavy industry | |
| BY THE PRIVATE SECTOR | | | | | | | | | | | | | | |
| NSW | 3.7 | 18.4 | 9.1 | 14.0 | 5.1 | 11.7 | 1.0 | 11.5 | 11.5 | 2.1 | 1.4 | 2.9 | 26.0 | 1.7 |
| Vic. | 2.8 | 3.3 | — | 45.8 | 19.2 | 11.9 | 5.8 | 14.9 | 19.2 | 47.6 | 3.6 | 3.8 | 1.1 | 2.2 |
| Qld | 2.0 | 49.2 | 16.9 | 73.7 | 5.9 | 12.4 | 1.9 | 35.7 | 12.5 | 30.6 | 1.9 | — | 42.3 | 1.9 |
| SA | 7.9 | — | 3.4 | 12.7 | 51.5 | 8.2 | — | 30.6 | 22.2 | — | 71.1 | 62.5 | 77.2 | 5.7 |
| WA | 4.3 | — | — | — | 14.3 | 21.5 | 1.3 | 3.9 | 19.1 | — | 1.6 | 5.5 | — | 2.4 |
| Tas. | 17.0 | — | — | — | 19.2 | 66.5 | — | — | 35.9 | — | — | 59.1 | — | 9.5 |
| NT | 3.3 | — | — | — | 11.1 | 53.4 | 11.9 | — | 46.6 | — | — | — | — | 3.0 |
| ACT | 2.0 | — | — | — | 45.2 | — | — | 57.0 | — | — | — | — | — | 28.6 |
| Australia | 1.5 | 28.1 | 5.7 | 8.9 | 4.7 | 6.8 | 1.0 | 10.0 | 7.0 | 3.2 | 3.6 | 3.0 | 15.9 | 1.0 |
| BY THE PUBLIC SECTOR | | | | | | | | | | | | | | |
| NSW | 2.7 | 26.4 | — | — | 4.0 | 4.3 | 2.6 | 32.3 | 14.0 | — | — | — | 0.2 | 1.5 |
| Vic. | 8.8 | 15.9 | — | — | 4.6 | 2.3 | 2.6 | — | 20.2 | — | — | — | — | 1.1 |
| Qld | 3.2 | 6.5 | — | — | 3.9 | 7.1 | — | — | 7.4 | — | — | — | — | 1.8 |
| SA | 10.8 | 74.1 | — | — | 0.7 | 11.8 | — | — | 28.8 | — | — | — | — | 6.3 |
| WA | 7.2 | 9.5 | — | — | 0.1 | 1.4 | — | — | 9.2 | — | — | — | — | 3.8 |
| Tas. | 3.4 | — | — | — | 59.6 | 12.1 | — | — | 12.6 | — | — | — | — | 4.2 |
| NT | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| ACT | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Australia | 2.0 | 7.9 | — | — | 1.5 | 1.9 | 1.2 | 0.4 | 6.1 | — | — | — | 3.4 | 0.8 |
| TOTAL | | | | | | | | | | | | | | |
| NSW | 2.3 | 15.3 | 9.1 | 14.0 | 3.3 | 5.8 | 1.6 | 11.2 | 9.9 | 0.5 | 1.4 | 2.9 | 3.2 | 1.2 |
| Vic. | 3.1 | 7.7 | — | 32.8 | 8.6 | 3.2 | 2.4 | 3.7 | 16.6 | — | 3.6 | 3.8 | 1.4 | 1.1 |
| Qld | 1.7 | 42.6 | 6.8 | 15.3 | 3.4 | 8.5 | 0.4 | 35.4 | 11.0 | 24.1 | 1.8 | — | 42.0 | 1.4 |
| SA | 6.6 | 46.8 | 3.3 | 9.6 | 11.0 | 10.4 | — | 26.6 | 18.1 | — | 70.2 | 62.5 | 63.3 | 4.3 |
| WA | 3.8 | 18.0 | — | — | 3.3 | 2.6 | 1.0 | 2.7 | 12.4 | — | 1.6 | 5.5 | — | 2.0 |
| Tas. | 6.3 | — | — | — | 21.4 | 41.7 | — | — | 19.8 | — | — | 56.8 | — | 4.4 |
| NT | 3.3 | — | — | — | 10.4 | 45.1 | 10.2 | — | 45.6 | — | — | — | — | 2.9 |
| ACT | 1.7 | — | — | — | — | 10.3 | — | — | 57.0 | — | — | — | — | 11.4 |
| Australia | 1.2 | 20.6 | 3.1 | 6.6 | 2.2 | 2.7 | 0.9 | 6.0 | 6.0 | 0.2 | 3.5 | 3.0 | 10.7 | 0.7 |

TABLE 15. APPROXIMATE RELATIVE STANDARD ERRORS ON QUARTERLY ESTIMATES FOR THE VALUE OF WORK DONE BY SECTOR UNDERTAKING THE WORK (percentage)

| State or Territory | Roads, highways and subdivisions | Bridges | Railways | Harbours | Water storage and supply | Sewerage and drainage | Electricity generation, transmission and distribution | Pipelines | Recreation | Heavy industry | | | Total | |
|-----------------------|----------------------------------|------------|------------|------------|--------------------------|-----------------------|---|------------|------------|--------------------|-----------------------------------|----------------------|-------------|------------|
| | | | | | | | | | | Telecommunications | Oil, gas, coal and other minerals | Other heavy industry | | |
| BY THE PRIVATE SECTOR | | | | | | | | | | | | | | |
| NSW | 3.1 | 6.5 | 7.0 | 5.1 | 3.4 | 6.4 | 0.4 | 6.3 | 11.9 | 1.1 | 1.1 | 2.6 | 16.7 | 1.6 |
| Vic. | 2.5 | 3.7 | — | 22.9 | 9.8 | 6.7 | 3.7 | 7.8 | 16.8 | 6.7 | 1.2 | 2.9 | 2.6 | 1.6 |
| Qld | 2.2 | 3.0 | 4.5 | 2.0 | 4.6 | 9.3 | 1.4 | 25.3 | 12.6 | 37.5 | 1.4 | — | 39.3 | 1.7 |
| SA | 8.3 | — | 5.1 | 17.8 | 44.3 | 7.4 | — | 17.6 | 23.1 | — | 15.2 | 52.5 | 69.2 | 5.1 |
| WA | 4.0 | — | — | — | 6.1 | 14.1 | 1.2 | 2.2 | 19.9 | — | 2.0 | 4.5 | — | 1.8 |
| Tas. | 27.1 | — | — | — | 17.5 | 40.5 | — | — | 32.8 | — | — | 63.5 | — | 8.7 |
| NT | 2.9 | — | — | — | 6.5 | 25.2 | 10.7 | — | 27.2 | — | — | — | — | 2.4 |
| ACT | 8.3 | — | — | — | — | 38.5 | — | — | 53.5 | — | — | — | — | 25.8 |
| Australia | 1.4 | 3.1 | 2.7 | 1.6 | 2.9 | 4.1 | 0.6 | 5.7 | 6.8 | 2.6 | 1.0 | 2.2 | 15.2 | 0.8 |
| BY THE PUBLIC SECTOR | | | | | | | | | | | | | | |
| NSW | 1.2 | 1.6 | — | — | 2.3 | 1.8 | 2.5 | 39.1 | 8.2 | — | — | — | 1.5 | 0.5 |
| Vic. | 6.5 | 10.0 | — | — | 2.2 | 2.0 | 0.2 | — | 14.1 | — | — | — | — | 0.8 |
| Qld | 2.4 | 3.9 | — | — | 2.5 | 4.1 | — | — | 7.0 | — | — | — | — | 1.4 |
| SA | 6.7 | 52.0 | — | — | 1.0 | 7.0 | — | — | 27.4 | — | — | — | — | 4.7 |
| WA | 7.2 | 6.0 | — | — | — | 1.3 | — | — | 11.9 | — | — | — | — | 3.7 |
| Tas. | 3.6 | — | — | — | 3.4 | 5.9 | — | — | 7.8 | — | — | — | — | 1.8 |
| NT | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| ACT | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Australia | 1.2 | 1.5 | — | — | 0.9 | 1.1 | 0.7 | 0.6 | 5.0 | — | — | — | 1.7 | 0.5 |
| TOTAL | | | | | | | | | | | | | | |
| NSW | 1.5 | 2.5 | 0.7 | 5.1 | 2.0 | 2.8 | 1.0 | 6.2 | 10.2 | 0.3 | 1.1 | 2.6 | 3.1 | 0.8 |
| Vic. | 2.5 | 4.2 | — | 19.8 | 4.8 | 2.9 | 0.7 | 3.1 | 14.5 | — | 1.2 | 2.9 | 3.0 | 0.8 |
| Qld | 1.7 | 2.4 | 2.4 | 1.6 | 2.8 | 6.1 | 0.4 | 25.2 | 11.0 | 34.7 | 1.3 | — | 36.8 | 1.2 |
| SA | 5.3 | 8.8 | 4.8 | 9.0 | 13.1 | 6.1 | — | 15.9 | 18.2 | — | 15.1 | 40.5 | 56.3 | 3.5 |
| WA | 3.6 | 11.8 | — | — | 2.5 | 2.2 | 0.9 | 1.8 | 14.3 | — | 2.0 | 4.5 | — | 1.7 |
| Tas. | 11.1 | — | — | — | 3.9 | 24.8 | — | — | 18.0 | — | — | 61.6 | — | 2.7 |
| NT | 2.9 | — | — | — | 5.8 | 22.6 | 9.5 | — | 26.7 | — | — | — | — | 2.4 |
| ACT | 7.6 | — | — | — | — | 7.2 | — | — | 53.5 | — | — | — | — | 9.2 |
| Australia | 1.0 | 1.7 | 0.6 | 1.4 | 1.5 | 1.7 | 0.5 | 4.1 | 5.8 | 0.2 | 0.9 | 2.2 | 8.9 | 0.5 |

TABLE 16. APPROXIMATE RELATIVE STANDARD ERRORS ON QUARTERLY ESTIMATES FOR THE VALUE OF WORK YET TO BE DONE BY THE SECTOR UNDERTAKING THE WORK (percentage)

| State or Territory | Roads, highways and subdivisions | Bridges | Railways | Harbours | Water storage and supply | Sewerage and drainage | Electricity | | Recreation | Pipelines | Heavy industry | | | Total |
|------------------------------|----------------------------------|-------------|------------|------------|--------------------------|-----------------------|---|-----------------------------------|------------|------------|--------------------|----------------------|-------------|------------|
| | | | | | | | generation, transmission and distribution | Oil, gas, coal and other minerals | | | Telecommunications | Other heavy industry | | |
| BY THE PRIVATE SECTOR | | | | | | | | | | | | | | |
| NSW | 0.8 | 2.7 | 2.7 | 9.9 | 0.2 | 1.9 | 0.2 | 4.9 | 0.1 | 2.4 | 0.9 | 0.6 | — | 0.3 |
| Vic. | 1.9 | 7.0 | — | 20.6 | 0.8 | 1.5 | 2.6 | 24.0 | 1.5 | 0.8 | 4.7 | 0.5 | 0.3 | 0.7 |
| Qld | 0.6 | 36.6 | 8.4 | 0.5 | 1.3 | 3.8 | 0.9 | 6.5 | 5.2 | 2.8 | 0.4 | — | — | 0.5 |
| SA | 6.4 | — | 0.7 | 12.8 | 7.2 | 6.2 | — | 29.9 | — | 1.0 | 4.9 | 66.3 | 64.7 | 3.5 |
| WA | 2.6 | — | — | — | 2.2 | 17.6 | 0.1 | 5.2 | — | 0.3 | 0.8 | 1.1 | — | 0.9 |
| Tas. | 46.5 | — | — | — | 4.8 | 49.9 | — | — | — | — | — | 48.0 | — | 19.8 |
| NT | 0.2 | — | — | — | — | — | 3.7 | 15.0 | — | — | — | — | — | 0.4 |
| ACT | 29.5 | — | — | — | — | — | — | 47.0 | — | — | — | — | — | 11.5 |
| Australia | 0.9 | 12.6 | 2.0 | 1.1 | 0.3 | 1.4 | 0.2 | 5.3 | 0.7 | 0.7 | 1.7 | 1.1 | 7.9 | 0.3 |
| BY THE PUBLIC SECTOR | | | | | | | | | | | | | | |
| NSW | 0.8 | 1.4 | — | — | 0.5 | 3.7 | 4.5 | 14.1 | — | — | — | — | — | 0.5 |
| Vic. | 14.8 | 7.4 | — | — | 1.7 | 0.5 | 0.7 | 26.8 | 4.2 | — | — | — | 53.8 | 1.4 |
| Qld | 2.2 | 4.0 | — | — | 1.4 | 5.5 | — | 6.5 | — | — | — | — | — | 0.9 |
| SA | 30.6 | — | — | — | 0.1 | 2.9 | — | 17.9 | — | — | — | — | — | 4.6 |
| WA | 9.8 | 2.9 | — | — | 5.7 | 10.9 | — | 8.9 | — | — | — | — | — | 5.5 |
| Tas. | 11.2 | — | — | — | 2.2 | 2.3 | — | 3.2 | — | — | — | — | — | 1.9 |
| NT | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| ACT | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Australia | 1.0 | 1.3 | — | — | 0.5 | 1.5 | 0.5 | 5.1 | — | 2.8 | — | — | 20.3 | 0.5 |
| TOTAL | | | | | | | | | | | | | | |
| NSW | 0.6 | 1.3 | 0.2 | 9.9 | 0.3 | 3.0 | 0.5 | 5.7 | — | 2.4 | 0.9 | 0.6 | 4.9 | 0.3 |
| Vic. | 3.4 | 6.0 | — | 11.6 | 1.0 | 0.6 | 0.7 | 19.1 | 1.5 | 0.8 | 3.8 | 0.5 | 2.2 | 0.7 |
| Qld | 1.1 | 31.0 | 2.1 | 0.5 | 1.0 | 3.2 | 0.1 | 4.6 | 1.9 | 2.8 | 0.4 | — | 28.5 | 0.5 |
| SA | 17.0 | — | 0.5 | — | 0.2 | 2.7 | — | 20.2 | — | 0.8 | 4.9 | 47.9 | 64.7 | 3.6 |
| WA | 4.9 | 0.7 | — | — | 2.2 | 12.7 | 0.1 | 5.8 | — | 0.3 | 0.8 | 1.1 | — | 1.6 |
| Tas. | 21.2 | — | — | — | 2.1 | 17.2 | — | 4.3 | — | — | — | 48.0 | — | 2.7 |
| NT | 0.2 | — | — | — | 3.7 | 7.0 | 2.6 | 13.9 | — | — | — | — | — | 0.4 |
| ACT | 27.6 | — | — | — | — | 1.9 | — | 47.0 | — | — | — | — | — | 2.1 |
| Australia | 0.7 | 6.7 | 0.3 | 1.0 | 0.3 | 1.2 | 0.2 | 3.7 | 0.3 | 0.7 | 1.5 | 1.1 | 7.4 | 0.3 |

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. For the ECS all enterprises recorded on the ABS central register of businesses and classified to the construction industry and all other units known to be undertaking engineering construction work (from trade journals, newspapers, etc.), are included in the survey framework.

4 The cost of land and the value of building construction is excluded from the survey's 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 (see definitions) 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 even though, in some cases, the activity in installing such machinery and equipment is classified to the manufacturing industry in the *Australian and New Zealand Standard Industrial Classification, 1993 (1292.0)*.

SAMPLE REVISION

7 For the September quarter survey each year, some changes are made to the sample of businesses. While the impact of the sample revision on total estimates is insignificant, the impact at individual category level may be significant.

TYPE OF CONSTRUCTION

8 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.

9 Type of construction is divided into a number of categories as defined below:

- *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.
- *Bridges.* Includes those for the support of roads, railways, causeways and elevated highways.
- *Railways.* Includes tracklaying; overhead power lines and signals; platforms; tramways; tunnels for underground railways; fuel hoppers.
- *Harbours.* Includes boat and yacht basins; breakwaters; retaining walls; docks and piers; terminals; wharves; dredging works; marinas.
- *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.
- *Sewerage and drainage.* Includes sanitary and storm sewers; sewage treatment plants; stormwater drains; drainage systems.
- *Electricity generation, transmission and distribution.* Includes power stations; substations; hydroelectric generating plants; associated work i.e. towers, chimneys; transmission and distribution lines.
- *Pipelines.* Includes oil and gas pipelines; urban supply mains for gas; pipelines for refined petroleum products, chemicals, foodstuffs, etc.
- *Recreation.* Includes golf courses; playing fields; racecourses; stadiums; swimming pools; landscaping; park construction.
- *Telecommunications.* Includes radio, television, microwave and radar transmission towers; telephone and telegraph lines and underground cables; coaxial cables.
- *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.

DEFINITIONS

10 Definitions used are as follows:

- *Ownership.* Projects are classified as private sector or public sector according to the expected ownership of the project at the time of completion.

- *Sector.* The public sector includes Commonwealth Departments and Authorities, State Departments and Authorities, Local Government Authorities, Water, Sewerage and Electricity Authorities and Semi-government Authorities e.g. public hospitals. This publication contains separate estimates for:
 - Commonwealth Government;
 - State and Territory Government; and
 - Local Government.

All remaining organisations are classified as private sector.

- *Commenced.* A project is regarded as having commenced when the site work begins. 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 the September quarter each year.
- *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.
- *Value of work done.* For the private sector this 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.

RELIABILITY OF THE ESTIMATES

11 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 two chances in three 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 nineteen chances in twenty that the difference will be less than two standard errors. Relative standard errors of the estimates are shown in tables 14, 15 and 16.

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

13 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.

14 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 paragraph 10, 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

15 Seasonally adjusted statistics for engineering construction activity are shown in tables 2 and 4. In the seasonally adjusted series, account has been taken of normal seasonal factors and the effect of movement in the date of Easter which may, in successive years, affect figures for different quarters. As happens with all seasonally adjusted series, the seasonal factors are reviewed annually to take account of each additional year's data. The results of the latest review were included in the September quarter 1995 issue. Information regarding the methods used in seasonally adjusting the series, is available on request.

16 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.

ESTIMATES AT CONSTANT PRICES

17 Estimates of the value of work done at average 1989-90 prices are presented in original and seasonally adjusted terms for Australia in table 2.

18 Constant price estimates measure changes in value after the direct effects of price changes have been eliminated. 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 non-dwelling construction components of the national accounts aggregate *Gross fixed capital expenditure*.

19 Estimates at constant prices are subject to a number of approximations and assumptions. Further information on the nature and concepts of constant price estimates is contained in Chapter 4 of *Australian National Accounts : Concepts, Sources and Methods* (5216.0).

RELATED PUBLICATIONS

20 Users may also wish to refer to the following building and construction publications and special products which are available on request.

- *Building Approvals, Australia* (8731.0) — issued monthly
- *Building Activity, Australia: Dwelling Unit Commencements, Preliminary* (8750.0) — issued quarterly
- *Building Activity, Australia* (8752.0) — issued quarterly

21 Current publications produced by the ABS are listed in the *Catalogue of Publications and Products, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Release Advice* (1105.0) which lists publications to be released in the next few days. The Catalogue and Release Advice are available from any ABS office.

SYMBOLS AND OTHER USAGES

r figure or series revised since previous issue

. . not applicable

— nil or rounded down to zero

Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

