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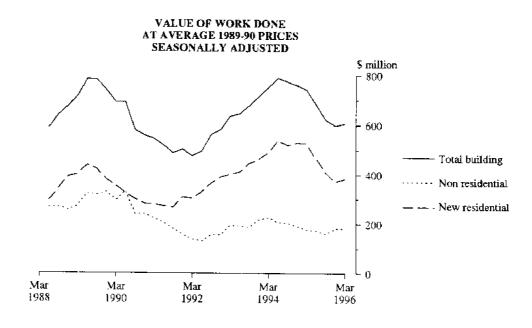
BUILDING ACTIVITY, WESTERN AUSTRALIA MARCH QUARTER 1996

SUMMARY OF FINDINGS

Value of building work done at average 1989-90 prices, seasonally adjusted

	% chang	e on
	Dec. quarter 1995	Mar. quarter 1995
New residential building Alterations and additions	2,7	-27.0
to residential buildings Non-residential building	-1.7 0.0	0.0 2.8
Total building	1.3	-18.4

- In seasonally adjusted average 1989–90 prices, the value of work done on new residential building during the March quarter 1996 rose 2.7% to \$383.3 million. The upward movement follows at least three successive quarterly declines in work done on both houses and other residential buildings.
- Work done on non-residential building remained unchanged from the previous quarter at \$181.4 million.
- In total, the value of all building work done for the quarter recorded an increase of 1.3%, its first increase after 6 quarterly declines from the peak in the June quarter 1994.



INQUIRIES

- for more information about statistics contained in this publication, the availability of related unpublished statistics and other ABS statistics and services, please contact Information Inquiries on Perth (09) 360 5140 (fax (09) 360 5955), call at Exchange Plaza, 1 The Esplanade, Perth or write to Information Inquiries, ABS, GPO Box K881, Perth WA 6001 or any ABS State office.
- for more detailed information about these statistics, contact Rex Porter on Adelaide (08) 237 7316 or any ABS State office.

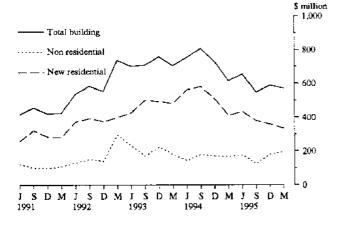
SUMMARY OF FINDINGS - continued

Value of building work commenced at average 1989-90 prices

	% chang	ge on
	Dec. quarter 1995	Mar. quarter 1995
New residential building Alterations and additions	-7.0	-19.1
to residential buildings Non-residential building	-8.7 6.7	15.4 16.4
Total building	-2.8	-7.4

- In average 1989–90 prices, the value of new residential building work commenced fell by 7.0% during the quarter to \$334.8 million. This was due to a 9.5% drop to \$263.9 million in the value of new houses commenced being only partially offset by a 4.0% increase in other residential buildings.
- Commencements of non-residential buildings rose by 6.7% to \$196.3 million, 16.4% above that of a year earlier.
- The total value of all building work commenced fell by 2.8% to \$573.0 million.

VALUE OF WORK COMMENCED AT AVERAGE 1989-90 PRICES

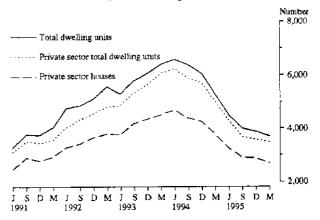


Number of dwelling units commenced, seasonally adjusted

	% chang	ge on
	Dec. quarter 1995	Mar. quarter 1995
Private sector houses	-6.2	-28.9
Private sector dwelling units	-2 .7	-30.5
Total dwelling units	-4.7	-30.1

- In seasonally adjusted terms, the total number of dwelling units commenced during the quarter fell by 4.7% to 3.699.
 This was the seventh successive quarterly decline totalling 43.8% since the recent high in the June quarter 1994.
- Within the private sector, house commencements fell by 6.2% to 2,697 while total dwelling unit commencements fell by a lesser 2.7%.

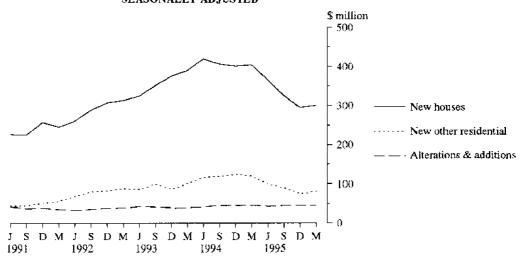
NEW DWELLING UNITS COMMENCED SEASONALLY ADJUSTED



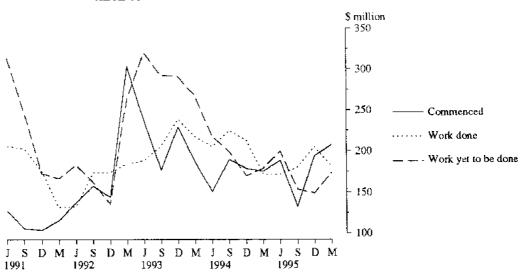
Original data

- The total value of building work done during the March quarter 1996 fell by 8.9% to \$585.4 million. Residential work was down 7.6% and non-residential work down 11.8%.
- Total building work commenced during the quarter fell by 2.2% to \$586.2 million.
- The total number of dwelling units commenced fell by 9.8% to 3,428, due entirely to a 13.3% fall in the number of houses commenced.
- Work yet to be done on jobs under construction at the end of the March 1996 quarter was virtually unchanged at \$540.4 million or 0.92 times the work done during the quarter.

VALUE OF RESIDENTIAL WORK DONE AT AVERAGE 1989-90 PRICES SEASONALLY ADJUSTED



VALUE OF NON-RESIDENTIAL BUILDING



VALUE OF NON-RESIDENTIAL WORK DONE

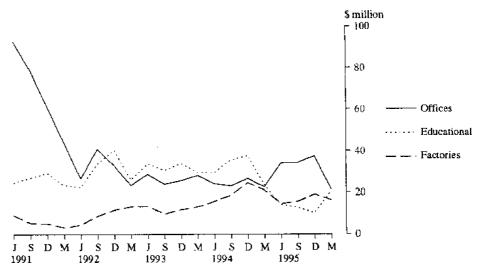


TABLE 1. SUMMARY OF BUILDING ACTIVITY, WESTERN AUSTRALIA

		×	New residential building	l building								Value	Value (Sm)						
	Houses		Other residential buildings	ential çs	Total	-	•					Non-residential building	ıtlal buildi	<u>~</u>					
Period	Number of dwelling units	Value (3m)	Number of dwelling units	Value (Sm)	Number of dwelling units	Value (Sm)	Alterations and additions to residential buildings	Hotels etc.	Shops 1	Shops Factories	Offices	Other business premises	Educa- tional	Reli- gious I	ia Health	enter- tainment and recrea- tional	Miscel- laneous	Total	Total building
							0	COMMENCED	<u> </u>										!
1992-93 1993-94 1994-95	15,011 18,118 16,225	1,134.3 1,485.3 1,462.2	5,778 6,682 6,073	341.6 441.1 442.4	20,789 24,800 22,298	1,926.3	142.9 151.1 161.3	12.8 31.5 54.5	212.8 167.7 140.1	43.7 54.7 78.7	117.8 108.5 115.8	69.0 101.5 97.4	134.7 107.5 85.8	100 6.4 6.2	83.1 70.3 34.6	70.3 47.8 31.8	87.9 48.2 87.4	842.1 744.0 732.3	2,460.9 2,821.5 2,798.2
1994 Dec. qtr	4,297	382.6	1,650	119.8	5,947	502.4	45.1	17.6	38.9	20.3	15.7	23.1	16.0	0.5	10.9	13.7	22.0	178.7	726.2
1995 Mar. qtr June qtr Sept. qtr Dec. etr.v	3,565 3,514 3,146	315.5 341.0 291.5 288.3	1,328 1,109 1,126 873	90.9 89.8 8.66 8.717	4,893 4,623 4,272 3,802	406.4 430.8 378.2 359.8	35.4 39.2 43.4 45.9	5.7 21.2 5.9 3.9.1	18.0 53.3 25.1 15.9	21.0 13.4 17.2 15.8	32.2 36.7 24.5	17.5 24.0 20.8 34.0	31.5 2.3 4.8 11.1	E 6 9 51	8.6 6.2 6.1 7.9	10.9 2.6 9.5 11.5	29.0 27.9 15.6 32.9	175.6 188.5 132.4 193.9	617.4 658.5 554.0 599.6
1996 Mar. qu	2,539	262.1	688	74.6	3,428	336.8		47.8	24.4	16.3	25.0	20.0	33.4	1.0	4,	14.2	20.9	207.7	586.2
						Ë	UNDER CONSTRUCTION AT END OF PERIOD	UCTION A	TENDO	PERIOD									
1992-93 1993-94 1994-95	5,395 7,369 6,003	484.7 707.3 674.5	2,831 3,687 2,840	183.7 263.8 230.5	8,226 11,056 8,843	668.4 971.1 905.0	59.4 71.3 67.1	6.4 23.9 43.1	178.3 246.1 65.3	16.9 25.2 26.9	39.7 62.7 97.6	32.9 25.4 37.0	107.8 94.1 37.4	3.3	81.3 67.0 22.1	57.1 26.0 12.6	51.0 20.5 56.5	574.6 594.2 401.4	1,302.4 1,636.7 1,373.5
1994 Dec. qtr	7,619	757.0	3,712	288.6	11,331	1,045.6	70.5	35.3	946	33.4	59.9	1.	54.9	3.8	39.8	23,3	29.5	408.6	1,524.7
1995 Mar. qtr June qtr Sept. qtr Dec. qtr r	6,818 6,003 5,368 4,724	695.3 674.5 611.0 547.7	3,282 2,840 2,713 2,107	255.7 230.5 228.0 182.3	10,100 8,843 8,081 6,831	950.9 905.0 839.0 729.9	67.2 67.1 67.1 67.2 62.1	33.6 43.1 45.2 61.3	57.9 65.3 71.0 34.3	27.1 26.9 33.3 24.6	80.4 97.6 306.6 89.1	31.8 37.0 40.2 29.2	52.3 37.4 25.0 25.7	5.1 2.2 2.4 3.8 8.6	36.1 22.1 15.4 13.7	30.6 12.6 18.1 20.9	43.8 56.5 55.6 49.1	398.6 401.4 415.0 351.5	1,416.7 1,373.5 1,321.2 1,143.6
1996 Mar. qtz	4,320	518.9	2,033	180.9	6,353	8.669	6.17	101,4	28.3	28.7	46.3	30.7	43.5	3.7	11.8	22.1	42.1	358.6	1,130.4
1992-93 1993-94 1994-95	14,368 16,069 17,384	1,964.0 1,284.3 1,590.3	5,436 5,770 6,748	343.5 370.3 476.1	19,804 21,839 24,132	1,407.5	143.4	COMPLETED 18.0 14.7 36.7	ED 77.7 106.3 341.7	42.3 46.5 78.5	313.2 87.0 85.3	76.0 110.1 87.3	130.5 123.0 142.6	12.3 6.4 7.2	37.9 95.0 81.5	40.1 78.8 46.8	134.0 76.7 47.5	882.0 744.4 955.1	2,426.5 2,542.5 3,102.7
1994 Dec. qtr	4,822	413.3	1,838	132.7	9,660	545.9	59.4	11.3	* 57	24.2	21.4	32.4	6.69	1.7	36.2	18.1	8.5	301.5	897.8
1995 Mat. qtr bane qtr Sept. qtr Dec. qtr r	4,290 4,238 3,767 3,560	379,9 357.5 358.8 356.6	1,728 1,537 1,247 1,464	124.0 116.9 96.5 118.2	6.018 5,775 5,014 5,024	503.9 474.4 455.3 474.7	40.6 40.6 45.3 7 52.1	7.7 12.6 4.2 25.9	57.8 48.6 21.2 52.8	28.1 13.6 10.7 24.6	12.3 21.2 12.7 43.1	20.2 19.6 18.5 45.1	35.3 16.6 17.4 10.7	0.2 3.6 1.1 2.4	12.9 18.8 13.6 9.9	3.8 21.9 4.0 8.7	12.3 13.5 16.6 40.5	190.6 190.1 120.2 263.6	735.3 705.0 620.9 790.4
1996 Mar. qtr	2,892	290,4	956	76.5	3,848	366.9	35.1	7.1	28.4	6.21	67.4	19.2	15.5	=	6.6	11.6	28.6	198.3	600.2

TABLE I. SUMMARY OF BUILDING ACTIVITY, WESTERN AUSTRALIA continued

	:	N	New residential building	building '					!			Vah	Value (Sm)						
•	H		Other residential	ential	Total	_						Non-reside	Non-residential building	Suj				: '	
Period	Number of dwelling units	Value (Sm)	Number of dwelling andis	Value (3m)	Number of dwelling units	Value (3m)	Alterations and additions to residential buildings	Hotels etc.	Shops	Shops Factories	Offices	Other business premises	Educa- tional	Reli- gious	ta Health	Enter- lainment and recrea- tional	Miscel- laneous	Total	Total building
						VA	VALUE OF WORK DONE DURING PERIOD	K DONE	DURING	PERIOD									
1992-93	:	1,102.1	-	346.1	:	1,448.2	140.8	15.3	103.0	46.7	125.7	69.2	133.9	12.2	72.4	59.3	84.2	721.8	2,310.8
1993-94	-	1,412.1		411.2	:	1,823.2	149.6	21.7	249.1	6.02	101.5	107.9	123.6	6.9	92.5	56.B	57.5	867.4	2,840.2
1994-95	;	1,519.8	•	479.8	:	1,999.7	171.2	46.5	179.5	78.6	106.3	95.2	110.7	£.6	6'05	44.6	63.5	782.2	2,953.2
1994 Dec. qtr	:	402.8	:	135.7	:	538.5	45.9	8.3	44.5	24.5	26.6	27.3	37.7	1.3	14.8	15.2	12.9	213.3	9762
1995 Mar. otr	:-	367.8		115.8	-	483.6	40.5	12.3	30.8	20.9	22.5	22.5	23.5	1.9	11.8	7.6	16.2	172.1	696.2
June qu		356.7	:	100.9	:	457.6	42.2	15.3	32.2	14.5	34.1	18.9	13.9	1.4	9.2	9.2	23.2	1.77.1	67179
Sept. atr		324.9	:	98.1	;	423.0	45.0	12.2	36.3	15.5	34.4	25.3	12.7	2.2	9.3	6.2	26.3	180.3	648.3
Dec. qur	;	305.0	:	84.6	:	389.6	48.0	18.2	36.4	19.0	37.5	33.1	10.0	1.9	6.7	6.7	32.7	205.2	642.7
1996 Mar. qtr	:	281.6	÷	81.0	:	362.6	41.9	38.5	19.1	16.1	21.3	21.9	20.5	8:	6.5	11.1	24.1	0.181	585.4
						•	VALUE OF WORK YET TO BE DONE	VORK YET	TO BE I	OONE									
1992-93	:	256.9	-	606	:	347.7	25.0	2.7	134.2	7.0	21.6	19,0	53.6	9.[32.7	26.4	20.7	319.9	692.6
1993-94	;	354.3	:	132.0	:	486.3	31.0	13.2	60.1	6.11	30,2	13.7	39.5	1.3	20.9	17.4	6.5	217.6	734.9
1994-95	:	313.7	:	102.0	;	415.7	27.1	22.5	41.9	13.7	43.8	18.2	14.8	1.5	7.0	6.1	30.0	9.661	6424
1994 Dec. qtr	:	374.9	:	133.7	;	\$08.6	31.6	22.0	27.8	13.9	29.6	16.5	17.8	2.1	14.0	10.1	7:91	1,70.1	710.3
1995 Mar qtr	:	329.3	:	109.8	;	439 1	28.8	15.7	18.1	14.7	39.9	12.0	26.9	J.6	11.4	11.5	27.1	178.9	646.8
June att	;	313.7	:	102.0	:	415.7	27.1	22.5	41.9	13.7	43.8	18.2	14.8	1.5	7.0	6.1	30.0	9.661	642.4
Sept. qtr	:	286.0		586	:	384.2	27.2	16.7	32.5	15.4	31.3	14.6	7.4	2.3	4.5	5.6	19.4	153.7	565.1
Dec. qtr r	:	275.0	:	8.08	ï	361.7	26.3	40.6	12.3	12.2	19.4	15.9	6.7	1.9	6.1	11.2	20.6	149.0	837.0
1996 Mar. qir	:	256.0	:	81.1	:	337.1	29.3	49.2	15.7	13.2	22.7	14.7	21.6	Ξ	4.3	13.5	18.1	174.0	540.4
The state of the s																			

NOTE: The number of self contained dwelling units commenced as part of the construction of non-residential fullding and afterations and additions to existing buildings (including conversions to dwelling units) are excluded from this table. There were 21 such dwelling units commenced in the March quarter 1996.

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			New residential building	building								Value (Sm)	(\$m)						
			Other residential	ential	1000							Non-residential building	tial buildin	<u>b</u> e					
Period	Number of dwelling units	Value (8m)	Ountaings Number of dwelling smits	Yalue (3m)	Number of dwelling units	Value (3m)	Alterations and additions to residential buildings	Hotels efc.	Shops Factories		Offices	Other business premises	Educa- rional g	Reli- gious h	ia Ia Health	Enter- sainment and recrea- tional	Miscel- laneous	Total	Fotal building
							=	COMMENCED	 -										
1992-93	14,615	1,103.2	3,955	231.1	18,570	1,334.3	139.1	12.6	211.3	39.0	49.6	56.1	30.0	10.0	63.0	25.5	43.9	540.9	2,014.4
1994-95	15,731	1,424.1	5,227	385.9	20,958	1,870.1	161.0	52.9	136.1	78.1	85.7 7.28	91.5	34.6	6.2	30.7	25.2	42.1	583.1	2,554.2
1994 Dec. qtr	4,255	379.3	1,520	9.111	5,775	491.2	45.1	17.6	38.1	20.3	10.8	22.1	8.9	0.5	8.0	12.8	12.0	149.0	685.3
1995 Mar. qtr	3,469	307.7	1,108	77.6	4,577	385.2	35.3	5.7	17.6	21.0	20.2	17.5	15.5	£1	8.5	∞ 0	6.3	121.6	542.1
June qtr Sept. qtr Dec. atr.	3,378 3,039 2,876	282.0 283.6	1,010 841 753	80.b 68.0 62.7	3,880 3,880 3,629	350.0	45.4 43.3 45.6	3.9.1 3.9.1	24.4 15.7	12.3 17.1 15.8	20.7	20.4 31.0	4.8	3 5 S1	5.4 7.9	6.6	13.7	121.9	\$15.2 \$74.2
1996 Mar. qtr	2,468	256.7	717	58.4	3,185	315.1	41.7	47.8	24.4	16.3	10.5	19.3	1.0.1	1.0	4.7	12.1	16.8	163.0	519.8
						INO	UNDER CONSTRUCTION AT END OF PERIOD	UCTION A	T END OF	PERIOD									
1992-93	5,298	476.9	1,929	125.1	7,227	6.109	6.98	6.3	177.5	12.2	17.3	21.0	13.0	3.3	62.1	16.7	23.9	353.2	1,012.1
1993-94	7,278	699.5	2,967	212.1	10,245	911.7	71.2	23.9	244.4	24.9	24.9	24.6	25.4	33	26.0	19.3	15.2	431.8	1,414.6
1994-95	5,849	662.4	2,540	209.4	8,389	871.8	67.1	415	63.9	26.4	48.3	35.3	11.6	% %	21.0	9.0	23.7	283.5	1,222.3
1994 Dec. qtr	7,532	749.7	3,208	255.0	10,740	1,004.7	70.5	35.3	93.6	33.4	26.6	29.0	23.9	90 Mi	24.2	22.3	16.8	308.8	1,384.0
1995 Mar. qtr	6,704	686.0		227.2	9,554	913.2		33.6	57.6	27.1	35.4	29.8	18.7	5.1	20.9	27.5	13.1	268.7	1,249.1
June qtr	5,849	662.4		209.4	8,389	871.8 4 For	67.1	41.5	63.9	26.4	48.3	35.3 98.0	11.6	20, F	21.0	9. E.	23.7	283.5 408.4	1,222.3
Sept. qtr Dec. qtr r	5,224 4,647	540.0	1,822	161.4	6,469	701.4		61.3	34.1	24.6	40.1	26.2	16.5	, so	12.9	14.9	35.0	269.3	1.032.6
1996 Mar. qtr	4,234	511.6	1,790	157.6	6,024	669.2	71.7	101.4	28.2	28.7	23.4	27.0	14.6	3.7	11.8	18.0	24.5	281.4	1,022.2
		1						COMPLETED	dī.										
1992-93	13,980	1,033.4	3,539	232.3	17,519	1,265.7	135.7	18.0	75.1	42.3	54.9	70.7	34.0	12.3	91.0	16.1	34.2 48.8	375.1 490.0	1,776.5
(994-95	16,955	1,466.6		388.7		1,855.3		36.7	337.1	78.1	65.7	82.2	49.3	7.2	38.5	37.3	33.5	765.6	2,791.6
1994 Dec. qtr	4,622	3.98.6	1,342	94.3	5,964	492.8	50.3	11.3	76.8	23.9	17.4	31.2	12.9	1.7	15.6	12.1	6.2	208.3	751.5
1995 Mar. atr	4,221	374.0	1,436	105.7	5,657	479.6	40.8	7.7	56.6	28.0	1.8	17.2	21.2	0.2	12.4	3.1	9.6	168.0	688.4
June qtr	4,144							12.6	47.4	13.6	14.1	19.4	9.4	3.6	6.3	19.8		154.3	(44.8
Sept. qtr Dec. qtr r	3,651 3,440	350.3 346.7	1,066	85.1 101.7	4,717 4,665	435,4 448.4	45.3 51.9	3.4 25.0	19.6 52.4	10,7 24.1	40.5	17.5 44.3	8.8 5.1	2.4	12.7 9.7	7.0	14.0 18.1	96.) 228.6	728,X
1996 Mar. qtr	2,830	284.7	742	62.7	3,572	347.3	35.1	7.1	28.4	12.9	28.6	19.3	9.11	Ξ	5.9	9.0	26.9	150.9	533.2
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TABLE 2. SUMMARY OF PRIVATE SECTOR BUILDING ACTIVITY, WESTERN AUSTRALIA-continued

		٧	New residential building	l bullding		ĺ						Valu	Vatue (8m)						
	House		Other residential	ential	Total		,					Non-residential building	ntial buildi	Su.		•			
Period	Number of dwelling units	Value (3m)	Number of dwelling units	Value (3m)	Number of dwelling units	Value (Sm)	Alterations and additions to residential huidings	Hotels etc.	Shops	Shops Factories	Offices	Other business premises	Educa- tional	Reti- gious	ta Health	Enter- lainment and recrea- tional	Miscel- laneous	Total	Total building
						۸۸	VALUE OF WORK DONE DURING PERIOD	K DONE	DURUNG 1	PERIOD									
1992-93		1,070.4		232.4	:	1,302.8	137.9	15.1	100.7	42.6	56.7	62.3	33.2	12.2	60.3	23.6	40.3	447.0	1,887.8
1993-94	:	1,382,3	:	327.0	:	1,709.3	147.7	21.7	246.7	48.4	54.2	84.6	34.0	6.9	60.3	20.7	40.1	617.5	2,474.5
1994-95	Ī	1,483.6	:	408.5	:	1,892.1	170.9	45.6	175.9	78.3	71.4	89.3	45.9	6.5	36.9	36.5	36.8	623.0	2,686.0
1994 Dec. qtr	;	393.4	:	113.4	;	8.905	45.B	8.3	43.6	24.4	16.0	24.5	11.6	13	9.4	13.7	6.8	8.191	714.5
1995 Mar. qtr	:	361.9	:	102.3	:	464.2	40.5	12.3	30.5	20.9	16.2	21.4	13.6	6.1	9.1	& C.8	9.2	143.6	648.2
in eunf	:	347.0	:	6.68	:	437.0	42.1	14.4	30.4	14.5	22.1	18.7	7.1	1.4	7.5	7.0	11.0	134.1	613.2
Sept. gtr	:	315.1	:	2 2	:	399.1	45.0	11.6	35.1	15.3	26.2	24.8	6.2	2.2	1.6	4.0	15.9	150.4	594.5
Dec. qtr r	•	298.2	:	71.2	:	369.3	47.7	0'81	36.1	18.7	27.9	31.7	8 0.1	1.9	6.2	7.4	24.3	1803	597.3
1996 Mai. qtr	:	276.1	;	63.4	;	339.6	41.7	38.5	19.0	16.1	15.8	20.6	10.0	3.5	6.4	\$.2	18.7	155.1	536.5
							VALUE OF WORK YET TO BE DONE	VORK YEI	TOBED	ONE									
1992-93	:	252.6	:	59.1	:	311.7	24.2	2.3	133.6	6.4	0.6	12.3	6.2	6.1	15.3	9.9	7.2	201.2	537.2
1993-94		350.1	:	108.7	:	458.9	30.9	13.2	59.9	11.7	<u>~</u>	13.6	15.5	1.3	9.8	13.2	7.1	153.4	643.2
1994-95	:	307.7	:	93.0	:	400.7	27.1	21.8	41.2	13.2	25.6	6.71	5.1	5:	8.9	3.7	12.5	149.4	577.2
1994 Dec. qtr	:	371.9	;	122.7	;	494.6	31.5	22.0	27.7	13.9	16.5	15.0	7.5	2.1	8.0	4.0	8:0	130.1	656.2
1995 Mar. qtr	:	324.4	:	1.66	:	423.5	28.7	15.7	17.9	14.7	21.1	11.5	8.6	1.6	8.0	4,0	4 70	1144	566.6
June qu	;	307.7	:	93.0	:	400.7	27.1	21.8	41.2	13.2	25.6	17.9	5.1	1.5	8.9	3.7	12.5	7.67	577.2
Sept. qtr	;	280.4	:	84.6	:	365.0	27.2	16.6	32.3	15.0	17.4	14.4	3.6	2.3	3.9	6.3	10.4	122.2	514.3
Dec. qtr r	:	271.5	:	77.6	:	349.2	26.1	40.6	12.2	12.2	13.5	14.1	6.7	1.9	5.9	7.6	15.7	130.4	505.7
1996 Mar. qtr	:	252.7	:	73.2	:	325.9	29.2	49.2	15.6	13.2	9.6	13.5	6.8	1.1	4.3	11.5	13.4	138.2	493.3

From the control of the cont			×	New residential building	building								Valu	Value (Sm)						
Marche of August Marche of A		Hymon		Other reside	ntial	Total							Non-reside	raial baila	guj					
1996 311 1802 11402 11404 22.99 1416 23.9 153 144 441 341 345	Period	Number of dwelfing units		Number of dwelling units		Number of dwelling units	Value (3m)	Alterations and additions to residential buildings	Hotels etc.	Shaps F		Offices	Other business premises	Educa- tional	Reli- gious		Enter- alnment and recrea- nonal	Miscel- laneous	Total	Total building
196 11 12 10 12 10 14 14 14 14 14 14 14								5	OMMENC	6										
42 3.6 3.6 3.6 5.5 1,340 9.45 0.5 1,5 0.0 10 10 10 0.6 30.0 5.8 512 3.9 6.6 65.3 14 42 3.2 130 7.9 172 11.2 11.2 11.2 1.3 1.4 1.4 1.1 1.0 1.0 1.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1992-93	396	31.1	1,823	110.5	2,219	141.6	3.7	0.2	1,5	4.6	68.2 55.4	12.8	104.7		20.1	44.8	44.1 9.4	301.2 194.3	446.5 299.8
10 10 10 10 10 10 10 10	1994-05	494	38.0	846	5.95	1,340	94.5	0.3	1.6	4.0	9.0	30.0	8.2	51.2	i	3.9	9'9	45.3	149.1	244.0
156 78 220 134 316 212 611	1994 Dec. qu	42	3.2	130	7.9	172	11.2	0.1	ļ	8.0	0.1	4.9	1.0	9.2		2.9	6.0	6.6	29.7	40.9
156 10.8 91 18.6 233 20.0 -1 16 23 0.1 18.8 -1 0.2 2.5 9.3 3.5 1.5	1995 Mar. qtr	96	7.8	220	13.4	316	21.2	0.1	i	0.4		12.1		16.0	i	0.1	2.8	77.7	54.0	75.3
107 54 172 183 184 332 184 101 0.1 0.1 143 0.7 213 0.7 144 0.7 213 0.7 213 21 4.1	June qtr	136	10.8	66	9.2	235	20.0		1.6	2.3	5'0	10.8	1 ;	0.3		0.2	15 C	6.0	37.6	47.6
11 54 172 162 243 216 01 145 07 233 21 41 41 41 41 41 41 41	Sept. qtr Dec. qtr r	107 53	20 2. 8.	28 5 120	18.6 8.8	392 173	28.1 13.5	0.1 0.3	i į	0.7	ā !	ku ⊸a xai k≻i	3.0	0.1	1) i	2.8	9.1 9.5	10.6	28.8 25.4
14 12 13 14 15 15 15 15 15 15 15	1996 Mar. qtr	17	5.4	172	16.2	243	21.6	i	i	İ	6.1	14.5	0.7	23.3		1	2.1	4.1	44.7	66.4
97 78 902 586 999 665 24 02 08 46 224 119 948 — 192 404 271 22 114 121 300 21.1 454 332 — 16 14 05 493 18 258 — 192 404 271 23 115 121 300 21.1 454 332 — 16 14 05 493 18 258 — 12 36 328 18 258 — 12 36 328 18 1251 21 300 21.1 454 332 — 16 14 05 493 11 147 12 36 328 12 12 1 300 21.1 454 332 — 16 14 05 493 11 147 12 36 328 12 12 1 300 21 1 454 31 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							<u>F</u>	JER CONSTR	UCTION A	T END OF	PERIOD									
91 78 720 517 811 595 0.2 1.8 0.3 378 0.9 686 410 657 53 11 87 73 504 535 591 40.9 1.6 1.4 0.5 49.3 1.8 258 1.2 3.6 32.8 1 114 12.9 40.4 23.4 33.2 1.6 1.4 0.5 49.3 1.8 258 1.2 3.6 32.8 1 115 12 300 21.1 454 33.2 1.6 1.4 0.5 49.3 1.8 258 1.2 3.6 32.8 1 114 12.9 40.4 28.4 548 41.3 0.1 0.8 0.5 49.9 1.1 14.7 12 36 32.8 1 88 73 73 743 350 20.9 36.2 8.8 0.3 0.1 0.5 49.9 1.1 14.7 12 36 32.8 1 89 73 743 50.9 36.0 0.3 1.6 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1992-93	76	7.8	902	58.6	066	66.5		0.2	8.0	4.6	22.4	11.9	94.8	1	19.2	40.4	27.1	221.4	290.3
154 121 300 211 454 33.2 1.6 1.4 0.5 49.3 1.8 25.8 1.2 5.6 5.2 1.2 5.2 1.2 5.2 1.	1993-94	20	7.8	720	51.7	<u>.</u>	59.5		i	F.8	0.3	37.8	6.0	68.6 6.5 6.5	I	41.0	6.7	53	162.4	222.0
114 9.3 432 28.5 546 37.7 0.1 0.3 45.0 2.0 33.6 15.2 31. 30.7 1.5 1	1994-95	154	12.1	300	21.1	454	33.2	!	97	4 .	6.0	49.3	×	25.8	ļ	7.7	9.	8.78	6711	
114 9,3 432 285 546 377 011 0.3 45.0 2.0 33.6 15.2 3.1 30.7 1.1 154 12,1 300 21.1 454 33.2 1.6 1.4 0.5 49.3 1.8 25.8 1.2 3.6 3.18 1.1 144 12,9 404 284 284 34.3 0.1 0.8 0.5 0.5 49.9 1.1 14.7 1.0 4.8 3.2 3.1 158 1.2 2.0 3.6 2.0 3.6 2.0 3.6 2.0 3.0 3.0 3.0 3.0 3.0 158 3.0 1.8 2.1 2.2 3.2 3.0 0.1 0.5 3.0 3.0 3.0 3.0 3.0 159 3.1 3.1 3.2 3.2 3.0 0.1 0.1 0.5 3.0 3.0 3.0 3.0 3.0 150 3.1 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 150 3.1 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 150 3.1 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 150 3.1 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 150 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 150 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 150 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 150 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 150 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 150 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 150 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 150 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 150 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 150 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 150 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 150 3.2	1994 Dec. qtr	78	7.3	504	33.6	591	40.9		İ	1.1	0.0	33.4	3.3	31.0		15.6	1.0	12.8	6.66	140.8
154 121 300 211 454 332 16 14 05 493 18 258 12 36 328 1 144 12,9 4044 284 588 41.3 0.1 0.8 0.5 49.9 1.1 14.7 1.0 4.8 32.2 3.1 156 7.3 285 20,9 362 28.6 0.3 0.1 0.5 49.9 1.1 14.7 1.0 4.8 32.2 3.1 158 3.6 7.3 24.3 23.3 3.2 3.0 0.3 0.1 0.5 49.9 1.1 14.7 1.0 4.8 3.1 4.1 4.1 288 29.7 111.2 2.285 14.8 1.3 0.1 2.6 2.58.2 5.4 96.5 4.0 97.8 5.4 290 14.7 496 38.4 6.96 83.1 0.1 1.8 0.3 4.0 1.3 5.7 0.1 0.5 3.0 200 14.7 496 38.4 6.96 83.1 0.1 1.8 0.3 4.0 1.3 5.7 0.1 0.5 3.0 201 202 292 18.3 36.0 24.4 0.1 1.2 0.1 0.5 3.0 14.1 0.5 0.5 0.5 203 294 2.3 2.4 0.1 0.1 2.0 0.3 0.5 0.5 0.5 0.5 204 205 205 205 205 205 205 0.5 0.5 0.5 0.5 0.5 0.5 205 205 205 205 205 205 205 0.5 0.5 0.5 0.5 0.5 206 207 208 205 205 205 205 0.5 0.5 0.5 0.5 0.5 0.5 207 208 205 205 205 205 0.5 0.5 0.5 0.5 0.5 0.5 208 205 205 205 205 205 0.5 0.5 0.5 0.5 0.5 0.5 0.5 208 205 205 205 205 205 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 209 205 205 205 205 205 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 200 20	1995 Mar. qtr	114	6.4	432	28.5	546	37.7		:	0.3	I	45.0	2.0	33.6	İ	15.2	3.1	30.7	129.9	167.7
144 129 404 284 548 41.3 0.1 0.8 0.5 0.5 499 1.1 14.7 1.0 4.8 3.2.2 1.1	June qir	154	12.1	300	21.1	454	33.2		9:1	<u>덕.</u>	6.5	49.3	1.8	25.8		1.2	9.6	37.8	6.711	151
86 7,3 243 233 329 30.6 0.3 — 0.1 22.9 3.6 29.0 — 4.0 176 388 30.6 1,897 111.2 2.285 141.8 1.3 0.1 2.6 — 258.2 5.4 96.5 — 20.3 24.0 99.8 5 429 33.8 1,252 87.4 1,681 121.2 0.5 — 4.6 11.4 19.6 5.1 93.3 — 43.0 9.5 14.0 1 500 14.7 49.6 38.4 69.6 53.1 0.1 1.2 0.1 0.5 3.0 14.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0	Sept. qtr	144	12.9	404 285	28.4	548	41.3		0.8	0.5	0.5	49.9 0.94 0.04	T 6	14.7	I	0.7	4, ∧ ∞ o	32.2	82.2	147.0
COMPLETIED 388 30.6 1,897 111.2 2.285 141.8 1.3 0.1 2.6 — 258.2 5.4 96.5 — 20.3 24.0 99.8 5 385 29.7 1,367 82.6 1,752 112.4 3.4 0.2 1.0 5.6 41.3 27.8 92.4 — 4.0 54.2 28.0 2 429 33.8 1,252 87.4 1,681 121.2 0.5 — 4.6 0.4 19.6 5.1 93.3 — 43.0 9.5 14.0 1 200 14.7 496 38.4 696 53.1 0.1 1.8 0.3 4.0 1.3 57.0 — 20.6 6.0 2.3 69 5.9 292 18.3 3.61 24.2 0.1 1.2 0.1 0.5 3.0 14.1 0.5 0.5 0.7 2.6 94 7.9 231 16.5 325 24.4 0.1 — 1.2 0.1 0.5 3.0 14.1 0.5 2.0 1.2 5.4 116 8.6 181 11.4 297 20.0 — 0.8 1.6 0.1 3.2 1.0 11.6 — 0.9 1.7 2.6 120 9.9 25.7 21.4 13.8 276 19.6 — 0.0 0.5 0.5 2.6 0.8 5.6 0.8 5.6 0.7 2.6 1.7 62 5.7 214 13.8 276 19.6 — 0.0 0.1 38.8 — 3.6 2.7 2.0 2.1 2.4	1996 Mar. qu	98	7.3	243	23.3	329	30.6		İ	1.0	1	22.9	3.6	29.0	i	1	4.0	17.6	77.2	108.1
388 30.6 1,897 111.2 2,2285 141.8 1,3 01 2.6 — 258.2 5.4 96.5 — 20.3 24.0 99.8 5 385 29.7 1,367 82.6 1,752 112.4 3.4 0.2 1.0 5.6 41.3 27.8 92.4 — 4.0 54.2 28.0 2 429 33.8 1,252 87.4 1,681 121.2 0.5 — 46 0.4 19.6 5.1 92.4 — 43.0 92.4 — 43.0 92.4 — 43.0 92.4 — 43.0 98.0 14.0 1 14.0 1 14.0 1 14.0 1 14.0 1 14.0 1 14.0 1 14.0 1									COMPLET					!						
385 29.7 1,367 82.6 1,752 112.4 3.4 0.2 1.0 5.6 41.3 27.8 92.4 4.0 54.2 28.0 2 429 33.8 1,252 87.4 1,681 121.2 0.5 4.6 0.4 19.6 5.1 93.3 43.0 9.5 14.0 1 r.qr 69 5.9 292 18.3 361 24.2 0.1 4.6 1.3 57.0 20.6 6.0 2.3 equ 94 7.9 231 16.5 325 24.4 0.1 1.2 0.1 0.5 3.0 14.1 0.5 6.0 2.3 n. qr 94 7.9 231 16.5 329 26.4 0.1 1.2 7.1 0.3 7.3 12.5 2.1 5.4 n. qr 120 9.9 239 16.5 359 26.4 0.2 0.9 0.5 2.6 0.8 5.6 0.9 0.5 0.5 2.6 0.8 5.6 0.9 0.7 2.6 1.7 n. qr 62 5.7	1992-93	388	30.6	1,897	111.2	2,285	141.8		6.1	2.6	1	258.2	5.4	96.5		20.3	24.0	8.66	6,8118	6500
429 33.8 1,252 87.4 1,681 121.2 0.5 — 4.6 0.4 19.6 5.1 93.3 — 43.0 9.5 14.0 1 2. qtr 200 14,7 496 38.4 696 53.1 0.1 1.8 0.3 4.0 1.3 57.0 206 6.0 2.3 6. qtr 94 7.9 231 16.5 325 24.4 0.1 1.2 0.1 0.5 3.0 14.1 0.5 0.5 0.7 2.6 6. qtr 116 8.6 181 11.4 2.97 20.0 0.8 1.6 0.1 3.2 1.0 11.6 0.9 1.7 2.6 6. qtr 120 9.9 239 16.5 359 26.4 0.2 0.9 0.5 0.5 2.6 0.8 5.6 0.9 1.7 2.6 6. qtr 120 9.9 250 18.8 276 19.6 0.8 3.8 3.6 0.7 2.6 1.7 6. qtr 120 9.9 251 18.8 276 19.8 0.1 38.8 3.6 0.7 2.6 1.7 6. qtr 1.2 0.1 0.5 2.4 0.1 1.8 0.3 1.4 1.4 2.4 0.1 1.2 1.4 2.4 0.1 1.4 2.4 0.1 1.4 2.4 0.1 1.4 2.4 0.1 1.4 2.4 0.1 1.4 2.4 0.1 1.4 2.4 0.1 1.4 2.4 0.1 1.4 2.4 0.1 1.4 2.4 0.1 1.4 2.4 0.1	1993-94	385	29.7	1,367	82.6	1,752	112.4		0.2	1.0	5.6	41.3	27.8	92.4	!	4.0	54.2	38.0	254.4	370.2
200 14,7 496 38,4 696 53,1 0.1 1.8 0.3 4,0 1.3 57,0 20.6 6.0 2.3 69 5,9 292 18.3 361 24.2 0.1 1.2 7.1 0.5 3.0 14,1 0.5 3.0 14,1 0.5 2.6 0.7 2.6 94 7.9 231 16.5 325 24.4 0.1 7.1 0.3 7.3 12.5 2.1 5.4 116 8.6 181 11.4 297 28.0 0.8 1.6 0.3 7.3 12.5 2.1 5.4 120 9.9 239 16.5 359 26.4 0.2 0.9 0.5 2.6 0.8 5.6 0.9 1.7 2.4 120 9.9 2.1 2.1 3.8 3.6	1994-95	429	33.8	1,252	87.4	1,681	121.2		l	4.6	5 .0	9.61	5.1	93.3		43.0	9.5	14.0	189.5	311.1
69 5.9 292 18.3 361 24.2 0.1 1.2 0.1 0.5 3.0 14.1 0.5 0.7 2.6 94 7.9 231 16.5 325 24.4 0.1 — 1.2 — 7.1 0.3 7.3 — 12.5 2.1 5.4 116 8.6 181 11.4 297 28.0 — 0.8 1.6 0.9 1.7 26 120 9.9 239 16.5 26.4 0.2 0.9 0.5 0.5 2.6 0.8 5.6 0.2 1.6 22.4 62 5.7 214 13.8 276 19.6 — 0.1 38.8 — 3.6 0.7 2.6 1.7	1994 Dec. qtr	200	14.7	496	38.4	969	53.1		i	1.8	0.3	4.0	1.3	57.0	:	20.6	6.0	2.3	93.2	146.4
94 7.9 231 16.5 325 24.4 0.1 — 1.2 7.1 0.3 7.3 — 12.5 2.1 5.4 11.6 8.6 181 11.4 297 20.0 — 0.8 1.6 0.1 3.2 1.0 11.6 — 0.9 1.7 2.6 12.0 9.9 239 16.5 359 26.4 0.2 0.9 0.5 0.5 2.6 0.8 5.6 0.2 1.6 22.4 6.2 5.7 214 13.8 276 19.6 0.9 0.1 0.1 38.8 3.6 0.7 2.6 1.7	1995 Mar. ott	69	5.9	292	18.3	361	24.2			1.2	0.1	0.5	3.0	4.		0.5	0.7	2.6	22.6	46.9
116 8.6 181 11.4 2.97 20.0 0.8 1.6 0.1 3.2 1.0 13.6 0.9 1.7 2.6 1.0 12.0 9.9 23.9 16.5 359 26.4 0.2 0.9 0.5 0.5 2.6 0.8 5.6 0.0 1.6 22.4 6.2 5.7 214 13.8 276 19.6 0.0 0.1 38.8 3.6 - 0.7 2.6 1.7	June qtr	94	7.9		16.5	325	24.4		İ	1.2	-	7.1	0.3	7.3	İ	12.5	2.1		358	60.2
62 5.7 214 13.8 276 19.6 0.1 38.8 3.6 - 0.7 2.6 1.7	Sept. qtr	116	9.8		11.4	297	20.0		8.0	1.6	1.0	3.2	1.0	11.6	.	9.0 6.0	1.7	, .	35.0	43.4
62 5.7 214 13.8 276 19.6 0.1 38.8 3.6 - 0.7 2.6 1.7	Dec. qu	021	n.			, r			Š	<u>}</u>)	i				;	:		:	,
	1996 Mar. qu	62	5.7	214	13.8	276	9.61		1		0.1	36 36 37		3.6		0.7	2.6		47.4	67.0

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			TOTAL																
i		~	New residential building	building [†]							;	Value	Value (Sm)						
			Other residential	ential								Non-residential building	ntial build	Хuj					
	Houses		buildings	5.5	Total									!		Enter-	İ		
	Number of dwelling	, Value	Number of dwelling	Value	Number of dwelling	Value	Alterations and additions to residential	Hotels				Other business	Educa-	Reli-	2	tainment and recrea-	Miscel-		Total
Period	umits	(8m)	units	(3m)	units	(3m)	buildings	efc.	Shops	Shops Factories	Offices	premises	tional	ड्रांठाड	Health	nonal	laneous	Fotal	Ouilding
						ΑV	VALUE OF WORK DONE DURING PERIOD	RK DONE I	MRING	PERIOD					;				
1000		31.6		113.7	:	145.4	2.9	0.2	2.4	4.0	689	6.9	1007	ļ	12.2	35.6	43.9	274.8	423.1
1992-93	:	30.00		84.1		113.9	6.1	;	2.3	1.6	47.3	23.3	9.68	!	12.2	36.1	17.4	249.9	365.7
1993-94	: :	36.3	: :	71.3	: ;	107.6	0.4	6'0	Ę.	0.3	34.9	5.9	64.8		14.0	8.1	26.7	159.2	267.2
1994 Dec. gtr	:	4.6	:	22.3	:	31.6	0.1	1	6.0	6.1	10.6	2.8	26.1	}	Œ.	1.5	4,0	4.18	83.1
		9		4		19	5		0.3		6.3	1.1	9.0		2.6	4.1	7.0	28.5	48.0
1995 Mar. qu	:	0.0	:	2 2	:	20.6		6.0	8		12.1	0.2	96. 96.		1.7	2.2	12.3	38.0	58.7
June qtr	:	0,0	:	1 1.0	:	22.0	; !	90	1.2	0.2	x	5.0	6.4		0.2	2.2	10.4	29.K	53.8
Sept. qtr Der afr r	: =	6.9	- :	13.4	: :	20.2	0.2	0.2	0.3	0.3	9.6	1.4	1.9		0.5	2.3	8.5	24.9	45.4
1996 Mar. qtr	:	5.4	:	17,6	:	23.0	0.1	ŧ	•	0.1	5.5	1.3	10.5	:	0.1	2.9	5.4	25.8	48.9
					ļ i		VALUE OF WORK YET TO BE DONE	WORK YET	TO BE I	CONE									
1000 03		43		31.7		36.0	0.8		0.5	9.0	12.6	6.7	47.4		17.4	8.61	13.5	118.7	155.4
1232-73	:	42	:	23.3		27.5		!	0.2	0.7	22.1	0.1	24.0			4.	2.4	54.2	91.7
1994-95	: :	6.0	:	0.6		15.0		0.7	0.7	0.5	18.2	0.3	7.6		0.2	2.4	17.5	50.5	65.2
1994 Dec. qu	•	3.0	:	11.1	:	14.0	1	1	0.1	I	13.1	1.5	10.3		0.9	0.7	8.2	40.0	54.1
1995 Mar off	:	6. 7	-	10.8		15.7	0.1	1	5		18.9		17.1	į	3.4	2.1	22.3	64.6	80.3
June qtr	;	6.0	-	0.6	:	15.0		0.7	0.7		28.2		F. 6	!	2 5	4: .	5.71	7.5	45.2 50.8
Sept. qu	:	5.6	:	13.6		19.2 3.6	0.1	 	7 E	0,4	8.5	7 8°	7. °.×		0.7	3.7	4.9	18.6	31.3
Dec. qtr t	:	č.	•		:) 			•									;	!
1996 Mar. qtr	;	3.3		7.9	-	11.2		i			13.0	1.1	4. 86			7.	4.7	35.8	47.1

TABLE 4. NUMBER OF DWELLING UNITS BY STAGE OF CONSTRUCTION, WESTERN AUSTRALIA SEASONALLY ADJUSTED SERIES

		House	?5			Tota	1	
	Private sector		Total		Privat sector		Total	
Period	Commenced	Completed	Commenced	Completed	Commenced	Completed	Commenced	Completed
1994 Dec. qtr	4,257	4.117	4,330	n.a.	5,698	5.373	6,063	6,002
1995 Mar. qtr	3,792	4,589	3,870	n.a.	5.011	6.162	5,292	6,434
June qtr	3,264	3,983	3,399	n.a.	4,304	5,254	4,517	5,617
Sept. qtr	2,898	3,979	2,993	n.a.	3,691	5,041	3,995	5,402
Dec. qtr r	2.875	3,062	2,949	π.ά.	3,580	4,204	3,880	4,531
1996 Mar. qtr	2,697	3,085	2.755	π.a.	3,485	3,897	3,699	4,120

TABLE 5. VALUE OF BUILDING WORK DONE, WESTERN AUSTRALIA SEASONALLY ADJUSTED SERIES
(Smillion)

			(S million)	<u> </u>			
	New residential building			Alterations und	Non-residential bu		
Period	O Houses	ther residential buildings	Total	additions to — residential buildings	Private sector	Total	Total building
1994 Dec. qtr	387.0	127.9	518.3	43.4	148.8	201.2	758.5
1995 Mar. gtr	391.1	124.1	516.0	43.4	154.8	185.4	741.0
June qtr	356.8	103 9	462.3	41.7	147.4	180.6	686.7
Sept. qtr	319.1	94.7	409.5	45.0	139.9	170.3	629.7
Dec. qu'r	292.5	79.7	374.5	45.4	165.9	193.7	611.2
1996 Mar. qtr	299.4	86.8	386.8	44.8	167.0	194.5	622.2

TABLE 6. VALUE OF BUILDING WORK COMMENCED, AT AVERAGE 1989-90 PRICES (2), WESTERN AUSTRALIA (5 million)

			(2 million)				
Period	New residential building			Alterations and	Non-residential but		
	Houses	Other residential buildings	Total	udditions to residential buildings	Private sector	Total	Total building
<u> </u>		336.9	1,603.0	158.5	530.3	825.6	2,587.1
992-93	1,266.1	433.9	2.045.6	162.4	536.8	726.6	2,934.
1993-94	1,611.7		1,947.4	165.7	561.4	705.1	2,818.2
1994-95	1,518.3	429.1	1,947.4	100.1	2 3		
1994 Dec. qtr	396.8	116.4	513.2	46.6	143.8	172.5	732.3
·	227.0	87.9	413.9	36.3	116.8	168.7	618.9
1995 Mar. qtr	326.0	86.3	436.4	39.9	153.7	180.1	656.4
June qtr	350.1		380.4	44.0	116.0	126.1	550.3
Sept. qtr	29 7.5	82.9		45.9	173.0	184.0	589.8
Dec. qtr r	291.7	68.2	359.9	43.9	,13.0		
1996 Mar. qtr	263.9	70.9	334.8	41.9	154.1	196.3	573.0

⁽a) See paragraphs 24 and 25 of the Explanatory Notes. Constant price estimates are subject to revision each quarter as more up to date information on prices and commodity compositions becomes available.

TABLE 7. VALUE OF BUILDING WORK DONE, AT AVERAGE 1989-90 PRICES (a), WESTERN AUSTRALIA ORIGINAL AND SEASONALLY ADJUSTED SERIES

	New re	sidential building	· •	Alterations and	Non-residential bui		
Period		her residential buildings	Total	additions to residential buildings	Private sector	Total	Total building
<u>. </u>			ORIGINAL				
				157.0	429.6	693.6	2.418.4
992-93	1,230.3	337.5	1,567.8		594.0	834.5	2,930.9
1993-94	1,532.1	402.0	1,934.1	162.3	593.9	745.6	2,964.6
1994-95	1,578.2	462.9	2,041.1	177.9	393.9	7.5.0	
1994 Dec. qtr	417.9	131.1	549 0	47.6	154.4	203.4	800.0
1994 Dec. 400				42.0	136.6	163.7	697.7
1995 Mar. qtr	380.5	111.5	492.0		127.0	163.0	668.6
June qtr	365.7	96.6	462.3	43.3	141.5	169.5	639.5
Sept. qtr	330.9	93.3	424.2	45.8	169.0	192.3	628.8
Dec. atr r	307.9	80.3	388.2	48.3	109.0	172.3	
1996 Mar. qtr	282.9	76.4	359.3	42.0	144.7	168.8	570.1
		SEA	SONALLY A	DJUSTED	<u></u>		
	401.6	123.5	528.5	45.0	141.9	191.9	760.8
1994 Dec. qtr	401.0	125.5	. 20.0				212.6
	404.5	119.6	524.9	45.0	147.3	1 76 .4	742.6
1995 Mar. qtr	365.9	99.5	467.1	42.8	139.6	171.1	683.3
June qtr	325.0	90.1	410.7	45.7	131.6	160.1	621.2
Sept. qtr		75.7	373.2	45.8	155.5	181.5	598.0
Dec. qtr r	295.3	(3.7	2.3.2				ene (
1996 Mar. qtr	300.8	81.8	383.3	45.0	155.7	381.4	605.9

⁽a) See paragraphs 24 to 26 of the Explanatory Notes. Constant price estimates are subject to revision each quarter as more up to date information on prices and commodity compositions becomes available.

TABLE 8. NUMBER OF DWELLING UNITS BY OWNERSHIP, CLASS OF BUILDER AND STAGE OF CONSTRUCTION, WESTERN AUSTRALIA

			WESTERN	AUSIKA	LLIA			_		
	Pn	ivate sector				Public sector		<u></u>	Total	
	Houses		Other			Other			Other	
Contractor- built	Other	Total	residential huildings	Total	Houses	residential buildings	Total	Houses	residential buildings	Total
·-·			COM	MENCED						
12,704	1,911	14.615	3,955	18,570	396	1.823	2,219	15,011	5,778	20,789
15.718	2,021	17,739	5,495	23.234	379	1,187	1,566	18,118	6,682	24,800
14.004	1,727	15,731	5.227	20,958	494	846	1,340	16,225	6,073	22,298
3,684	571	4,255	1,520	5,775	42	130	172	4,297	1.650	5,947
3,061	408	3,469	1,108	4,577	96	220	316	3.565	1.328	4,893
2,972	405	3,378	1,010	4,388	136	99	235	3,514		4,623
2,633	405	3,039	841	3,880	107	285	392	3,146		4,272
2.622	254	2,876	753	3,629	53	120	173	2,929	873	3,802
2,212	256	2,468	717	3,185	71	172	243	2,539	889	3,428
<u></u> ,	ξ.	INDER C	ONSTRUCT	ION AT E	ND OF PE	RIOD				
3,470	1,828	5,298	1,929	7,227	97	902	999	5,395	2,831	8,226
5,355	1.922	7,278	2,967	10,245	91	720	811	7,369		11,056
4,202	1,647	5,849	2,540	8,389	154	300	454	6,003	2,840	8,843
5,637	1,894	7,532	3,208	10,740	87	504	591	7,619	3,712	11,331
4,929	1,775	6.704	2,850	9,554	114	432	546	6,818	3,282	10,100
4,202	1,647	5,849	2,540	8,389	154	300				8,843
3,804	1,421	5,224	2,309	7,533	144	404	548	5,368	-	8,081
3,389	1,258	4,647	1,822	6.469	77	285	362	4,724	2,107	6,831
3,112	1,122	4,234	1,790	6,024	86	243	329	4,320	2,033	6,353
			СОМ	PLETED						
12,053	1,927	13,980	3,539	17,519	388	1,897	2,285	14,368	5,436	19,804
13,837	1,847	15,684	4,403	20,087	385					21,839
15,068	1,887	16,955	5,496	22,451	429	1,252	1,681	17,384	6,748	24,132
4,232	390	4,622	1,342	5.964	200	496	696	4,822	1,838	6,660
3,71 9	502	4.221	1.436	5,657	69	292	361	4,290	1,728	6,018
3,660	484	4.144	1,306	5,450	94	231	325			5,775
3,044	607	3,651	1.066	4.717	116	181				5,014
3,010	430	3.440	1.225	4,665	120	239	359	3,560	1,464	5,024
2,475	355	2.830	742	3,572	62	214	276	2,892	956	3,848
	2.704 15.718 14.004 3.684 3.061 2.972 2.633 2.622 2.212 3.470 5.355 4.202 5.637 4.929 4.202 3.804 3.389 3.112 12,053 13,837 15,068 4,232 3.719 3.660 3.044 3,010	Touses Contractorbuilt Other	Total Contractor-bialt Other Total	Private sector	Private sector	Private sector	Public sector Public secto	Private sector Public sect	Private sector Public sect	

TABLE 9. NUMBER AND VALUE OF NEW HOUSES BUILT BY CONTRACT BUILDERS FOR PRIVATE OWNERSHIP, BY COMPLETION VALUE RANGE AND STAGE OF CONSTRUCTION WESTERN AUSTRALIA

				WEST	ERN AU	STRALLA	<u> </u>							
		Commenced					Under construction at end of period				Completed			
Period	Less than \$40,000	\$40,000 to \$59,999	\$60,000 and over	Total	Less than \$40,000	\$40,000 to \$59,999	\$60,000 and over	Total	Less than \$40,000	\$40,000 to \$59,999	\$60,000 and over	Total		
	 :				NUMBI	≅R		·			<u> </u>			
1007.03	732	4,604	7,367	12,704	165	831	2,474	3,470	651	4,728	6,673	12,053		
1992-93	276	4,391	11,051	15.718	165	973	4,217	5,355	222	4,312	9,303	13,837		
1993-94 1994-95	225	2,642	11,136	14,004	_	404	3,798	4,202	304	3,401	11,364	15,068		
1994 Dec. qtr	75	754	2,855	3,684	63	892	4,683	5.637	88	1.007	3,137	4,232		
1006 3 6		656	2,406	3,061		732	4,197	4,929	50	816	2,853	3,719		
1995 Mar. qtt June qtt	38	379	2,555	2,972	_	404	3.798	4,202	51	732	2,878	3,660		
•	50	451	2.132	2,633	37	439	3.327	3,804	13	429	2,603	3,044		
Sept. qtr Dec. qtr r	25	340	2.257	2,622	_	340	3,049	3,389	50	465	2,495	3,010		
1996 Mar. qtr	12	239	1,961	2,212	12	226	2,873	3,112		340	2,135	2,475		
	··-			_	VALUE (Sm)								
	25.3	234.6	702.7	962.5	5.9	43.3	285.2	334.4	22.4	239.3	622.0	883.7		
1992-93	25.3 9.3	234.6	1.050.0	1,290.7	5.9	51.6	479.1	536.5	7.2	225.5	869.4	1,102.1		
1993-94 1994-95	7.9	138.1	1,121.8	1,267.8	_	21.1	490.0	511.1	10.7	178.9	1,112.9	1,302.5		
1994-95 1994 Dec. qtr	2.4	39.8	283.4	325.5	2.0	47.2	533.6	582.8	3.2	53.7	311.2	368.1		
1995 Mar. qtr	_	34.3	237.5	271.8	–	38.5	490.4	528.9	1.7	42.8	281.7	326.3		
June qu	1.2	19.4	273.9	294.5	_	21.1	490.0	511.1	1.7	38.6	270.7	311.0		
Sept. qtr	1.8	23.7	224.2	249.7	1.4	23.4	440.4	465.2	0.5	22.2	277.1	299.8		
Dec. qtr r	0.8	17.9	240.0	258.6		17.5	408.1	425.6	1.8	25.2	272.6	299.5		
1996 Mar. qu	0.3	12.6	220.5	233.5	0.3	11.8	398.5	410.6		17.9	232.5	250.3		

TABLE 10. SUMMARY OF BUILDING ACTIVITY, WESTERN AUSTRALIA RELATIVE STANDARD ERRORS (PER CENT) MARCH QUARTER 1996

	Value					
Houses	Total Number of		Alterations and additions			
Number	Value	dwelling units	to residential Value buildings		Total building	
PR	IVATE SECTO)R		<u> </u>		
4.3	4.4	3.3	3.6	6.3	2.2	
3.9	3.8	2.7	2.9 4.6	5.6 9.7	1.9 3.1	
3.1	3.4		2.8	5. 5	1.8 2.2	
TOTAL PRIVA	ATE AND PUB	LIC SECTORS				
4.2	4.3	3.1	3.3	6.3 5.4	2.0 1.7	
3.8 5.0	3.7 5.5	2.6 3.7	4.3	9.7	2.7	
	3.4 4.1		2.6 3.2	5.5 6.7	1.7 2.0	
	Number PR 4.3 3.9 5.1 TOTAL PRIV 4.2 3.8 5.0	### Houses Number Value	Number of dwelling units Number of dwelling units	Houses Total Number of dwelling units Value	Houses Total Alterations and additions to residential buildings	

EXPLANATORY NOTES

Introduction

This publication contains detailed results from the quarterly Building Activity Survey. Users should note that data for the latest quarter is subject to revision.

- 2. The statistics are compiled on the basis of returns collected from builders and other individuals and organisations engaged in building activity. The quarterly survey consists of two components.
 - (a) A sample survey of private sector house building activity involving new house construction or alterations and additions valued at \$10,000 or more to houses
 - (b) A complete enumeration of jobs involving construction of new residential buildings other than private sector houses, all alterations and additions to residential buildings (other than private sector houses) with an approval value of \$10,000 or more, and all non-residential building jobs with an approval value of \$50,000 or more.
- 3. Prior to the September quarter 1990, the cut-off for inclusion of non-residential building jobs (both new and alterations and additions) was \$30,000 or more and prior to the September quarter 1985 it was \$10,000 or more. Care should be taken in interpreting data for specific classes of non-residential building.
- 4. The use of sample survey techniques in the Building Activity Survey means that reliable estimates of private sector house building activity, including alterations and additions to houses, are available only at the State/Territory and Australia levels with the exception of the Northern Territory. However, dwelling unit commencement data for regions below State level are shown in the monthly series of dwelling unit commencements compiled by State offices of the ABS. Data from this series, unlike those compiled from the Building Activity Survey, are based on information reported by local and other government authorities.

Scope and coverage

- 5. The statistics relate to building activity which includes construction of new buildings and alterations and additions to existing buildings. Construction activity not defined as building (e.g. construction of roads, bridges, railways, earthworks, etc.) is excluded.
- Building jobs included in each quarter in the Building Activity Survey comprise those building jobs selected in previous quarters which have not been completed (or commenced) by the end of the previous quarter and those building jobs newly selected in the current quarter. The population list from which building jobs are selected for inclusion comprises all approved building jobs which were notified to the ABS up to but not including the last month of the reference quarter (e.g. up to the end of August in respect of the September quarter survey). This introduces a lag to the statistics in respect of those building jobs notified and commenced in the last month of the reference quarter (e.g. for the month of September in respect of the September quarter survey). For example, building jobs which were notified as approved in the month of June and which actually commenced in that month are shown as commencements in the September quarter. Similarly, building jobs which were notified in the month of September and which actually commenced in that month are shown as commencements in the December quarter.

Definitions

- 7. A building is defined as a rigid, fixed and permanent structure which has a roof. Its intended purpose is primarily to house people, plant, machinery, vehicles, goods or livestock. An integral feature of a building's design, to satisfy its intended use, is the provision for regular access by persons.
- 8. A dwelling unit is defined as a self-contained suite of rooms, including cooking and bathing facilities and intended for long-term residential use. Units (whether self-contained or not) within buildings offering institutional care, such as hospitals, or temporary accommodation such as motels, hostels and holiday apartments, are not defined as dwelling units. The value of units of this type is included in the appropriate category of non-residential building.
- 9. A residential building is defined as a building predominantly consisting of one or more dwelling units. Residential buildings can be either houses or other residential buildings.
 - (a) A house is defined as a detached building predominantly used for long-term residential purposes and consisting of only one dwelling unit. Thus, detached 'granny flats' and detached dwelling units (such as caretakers' residences) associated with non-residential buildings are defined as houses for the purpose of these statistics.
 - (b) An other residential building is defined as a building which is predominantly used for long-term residential purposes and which contains (or has attached to it) more than one dwelling unit (e.g. includes townhouses, duplexes, apartment buildings, etc.).
- 10. The number of dwelling units created by alterations and additions to existing buildings, and through the construction of new non-residential buildings, is not included in the tables but is shown as a footnote to Table 1.
- 11. Commenced. A building job is regarded as commenced when the first physical building activity has been performed on site in the form of materials fixed in place and/or labour expended (this includes site preparation but excludes delivery of building materials, the drawing of plans and specifications and the construction of non-building infrastructures such as roads).
- 12. Under construction. A building job is regarded as being under construction at the end of a period if it has been commenced but has not been completed, and work on it has not been abandoned.
- 13. Completed. A building job is regarded as completed when building activity has progressed to the stage when the building can fulfil its intended function. In practice, the ABS regards buildings as completed when notified as such by respondents to the survey.

Valuation of building jobs

- 14. The value series in this publication are derived from estimates reported on survey returns as follows.
 - (a) Value of building commenced or under construction represents the anticipated completion value based, where practicable, on estimated market or contract price of building jobs excluding the value of land and landscaping. Site preparation costs are included. Where building jobs proceed over several quarters, the anticipated completion value reported on the return for

- the first (commencement) quarter may be amended on returns for subsequent (under construction) quarters as the job nears completion.
- (b) Value of building completed represents the actual completion value based, where practicable, on the market or contract price of building jobs including site preparation costs but excluding the value of land and landscaping.
- (c) Value of building work done during the period represents the estimated value of building work actually carried out during the quarter on building jobs which have commenced.
- (d) Value of building work yet to be done represents the difference between the anticipated completion value and the estimated value of work done up to the end of the period on building jobs commenced but not completed.

Building classification

TO THE REAL PROPERTY OF THE PR

- 15. Ownership. The ownership of a building is classified as either public sector or private sector according to the sector of the intended owner of the completed building as evident at the time of approval. Residential buildings being constructed by private sector builders under government housing authority schemes whereby the authority has contracted, or intends to contract, to purchase the buildings on or before completion, are classified as public sector.
- 16. Builder type. Houses are classified according to the type of builder as follows.
 - (a) Contractor-built houses are those constructed by a private recognised building contractor, either under contract, or in anticipation of sale or rental.
 - (b) Houses built by other than contract builders are those constructed by an owner (other than a recognised building contractor) or under the owner's direction, without the services of a single contractor responsible for the whole job. Houses built by businesses (other than recognised building contractors) and public sector organisations are also included in this category.
- 17. Functional classification of buildings. A building is classified according to its intended major function. Hence, a building which is ancillary to other buildings or forms a part of a group of related buildings is classified to the function of the building and not to the function of the group as a whole. An example of this can be seen in the treatment of building work approved for a factory complex. In this case a detached administration building would be classified to Offices, a detached cafeteria building to Shops, while factory buildings would be classified to Factories. An exception to this rule is the treatment of group accommodation buildings where, for example, a student accommodation building on a university campus would be classified to Educational.
- 18. Examples of the types of buildings included under each main functional heading are shown in the following list.
 - (a) Houses. Includes cottages, bungalows, detached caretakers'/managers' cottages, rectories.
 - (b) Other residential buildings. Includes blocks of flats, home units, attached townhouses, villa units, terrace houses, semi-detached houses, maisonettes.
 - (c) Hotels, etc. Includes motels, hostels, boarding houses, guest houses, holiday apartment buildings.

- (d) Shops. Includes retail shops, restaurants, cafes, tavems, dry cleaners, laundromats, hair salons, shopping areades.
- (e) Factories. Includes paper mills, oil refinery buildings, brickworks, foundries, powerhouses, manufacturing laboratories, workshops as part of a manufacturing process.
- Offices. Includes banks, post offices, council chambers, head and regional offices.
- (g) Other business premises. Includes warehouses, storage depots, service stations, transport depots and terminals, electricity sub-station buildings, pumping station buildings, telephone exchanges, mail sorting centres, broadcasting stations, film studios.
- (h) Educational. Includes schools, colleges, kindergartens, libraries, museums, art galleries, research and teaching laboratories, theological colleges.
- (i) Religious. Includes churches, chapels, temples.
- Health. Includes hospitals, nursing homes, surgeries, clinics, medical centres.
- (k) Entertainment and recreational. Includes clubs, theatres, cinemas, public halls, gymnasiums, grandstands, squash courts, sports and recreation centres.
- (1) Miscellaneous. Includes law courts, homes for the aged (where medical care is not provided as a normal service), orphanages, gaols, barracks, mine buildings, glasshouses, livestock sheds, shearing sheds, fruit and skin drying sheds, public toilets, and ambulance, fire and police stations.

Reliability of the estimates

- Since the figures for private sector house building 19. activity (including alterations and additions) are derived from information obtained from a sample of approved building jobs, they are subject to sampling error; that is, they may differ from the figures that would have been obtained if information for all approved jobs for the relevant period had been included in the survey. One measure of the likely difference is given by the standard error, which indicates the extent to which an estimate might have varied by chance because only a sample of approved jobs was included. 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 approved jobs had been included, and about nineteen chances in twenty that the difference will be less than two standard errors. Another measure of sampling variability is the relative standard error, which is obtained by expressing the standard error as a percentage of the estimate to which it refers. The relative standard errors of estimates provide an indication of the percentage errors likely to have occurred due to sampling, and are shown in Table 10.
- 20. An example of the use of relative standard errors is as follows. Assume that the estimate of the number of new private sector houses commenced during the latest quarter is 2,000 (for actual estimate *see* Table 2) and that the associated relative standard error is 2.5 per cent (for actual percentage *see* Table 10). There would then be about two chances in three that the number which would have been obtained if information had been collected about all approved private sector house jobs would have been within the range 1,950 to 2,050 (2.5 per cent of 2,000 is 50) and about nineteen chances in twenty that the number would have been within the range 1,900 to 2,100.

21. 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 building approval 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 building jobs, and efficient operating procedures.

Seasonal adjustment

- 22. Seasonally adjusted building statistics are shown in Tables 4, 5 and 7. In the seasonally adjusted series, account has been taken of normal seasonal factors and trading day effects (arising from the varying numbers of Sundays, Mondays, Tuesdays etc. in the quarter) and the effect of movement in the date of Easter which may, in successive years, affect figures for different quarters. Further information about seasonal adjustment can be obtained from the Assistant Director of Time Series Analysis, Canberra on (06) 252 6345.
- 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. Each of the component series shown has been seasonally adjusted independently. As a consequence, while the unadjusted components in the original series shown add to the totals, the adjusted components may not add to the adjusted totals. Further, the difference between independently seasonally adjusted series does not necessarily produce series which are optimal or even adequate adjustments of the similarly derived original series. Thus the figures which can be derived by subtracting seasonally adjusted private sector dwelling units from the seasonally adjusted total should not be used to represent seasonally adjusted public sector dwelling units.

Estimates at constant prices

- 24. Estimates of the value of commencements and work done at average 1989–90 prices are shown in Tables 6 and 7. 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'.
- 25. 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).

26. The factors used to seasonally adjust the constant price series are identical to those used to adjust the corresponding current price series.

Unpublished data and related publications

- 27. The ABS can also make available certain building approvals and activity data which are not published. Where it is not practicable to provide the required information by telephone, data can be provided in the following forms; microfiche, photocopy, computer printout, floppy disk and clerically extracted tabulation. Inquiries should be made to Information Inquiries on Perth (09) 360 5140 or any ABS State office.
- 28. Users may also wish to refer to the following building and construction publications which are available on request:

Estimated Stocks of Dwellings, Western Australia (8705.5)

– issued annually

Building Approvals, Australia (8731.0) – issued monthly Building Approvals, Western Australia (8731.5) – issued monthly

Dwelling Unit Commencements Reported by Approving Authorities, Western Australia (8741.5) – issued monthly Building Activity, Australia: Dwelling Unit Commencements, Preliminary (8750.0) – issued quarterly Building and Construction Activity, Australia (8754.0) –

issued quarterly

29. 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

not applicable

nil or rounded to zero

r figure or series revised since previous issue

p preliminary – series subject to revision

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

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