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VICTORIA  
GOVERNMENT GAZETTE

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CONTRACTS ACCEPTED

(Series 1977-79)

GOVERNMENT PRINTER

CONTRACTS ACCEPTED.—(Series 1977-79.)

Contract No.	Particulars.	Amount.	Name of Contractor.	Charge against Vote or Fund.
<b>GOVERNMENT PRINTER.</b>				
Supply and delivery of Printing Paper, Writing Paper, &c., required by the Government Printer from 1st July, 1977 to 30th June, 1979				
447	Schedule No. 1.—Printing Paper, Writing Paper, &c.	Rates as per annex	A.P.P.M. Ltd.	} General Expenses, 1977-78-79
448	" " " "	"	A.P.M. Ltd.	
449	" " " "	"	Besley & Pike Pty. Ltd.	
450	" " " "	"	Brella Pty. Ltd.	
451	" " " "	"	Edwards Dunlop & Co. Ltd.	
452	" " " "	"	G.A.F. (Vic.) Pty. Ltd.	
453	" " " "	"	Gordon & Gotch (Australia) Ltd.	
454	" " " "	"	Leather House Grossman Pty. Ltd.	
455	" " " "	"	R. B. Shankly Pty. Ltd.	
456	" " " "	"	Unifile Pty. Ltd.	
457	" " " "	"	V.R.G. Paper Pty. Ltd.	
458	" " " "	"	Wiggins Teape Pty. Ltd. (Aust.)	

APPROVED—L. H. S. THOMPSON, Acting Treasurer 7.6.77

ANNEX TO CONTRACTS NOS. 1977/447 TO 1977/458.

Schedule No. 1.

PRINTING PAPER, WRITING PAPER, ETC.

- 1977/447.—A.P.P.M. Ltd.
- 1977/448.—A.P.M. Ltd.
- 1977/449.—Besley and Pike Pty. Ltd.
- 1977/450.—Brella Pty. Ltd.
- 1977/451.—Edwards Dunlop & Co. Ltd.
- 1977/452.—G.A.F. (Vic.) Pty. Ltd.
- 1977/453.—Gordon & Gotch (Australia) Ltd.
- 1977/454.—Leather House Grossman Pty. Ltd.
- 1977/455.—R. B. Shankly Pty. Ltd.
- 1977/456.—Unifile Pty. Ltd.
- 1977/457.—V.R.G. Paper Pty. Ltd.
- 1977/458.—Wiggins Teape (Aust.) Pty. Ltd.

ADJUSTMENT OF CONTRACT RATES.

All rates are subject to adjustment in accordance with the special conditions of the respective contracts. Notification of such adjustments will be published in the *Government Gazette* as required. Contracts for a number of items are subject to special conditions regarding availability of supplies, delivery dates, &c.

Item No.	Description.	Rate.	Name of Contractor.
<b>WHITE M.F. PRINTING PAPER.</b>			
		\$ per tonne	
1	690 mm x 860 mm (54 gsm)	894.00	} A.P.P.M. Ltd.*
3	570 mm x 890 mm	894.00	
4	640 mm x 1020 mm	894.00	
<b>PURE WHITE SULPHITE OFFSET PRINTING PAPER.</b>			
		per 1000	
30	580 mm x 910 mm (106 gsm)	46.16	} V.R.G. Paper Pty. Ltd.
31	580 mm x 910 mm (136 gsm)	58.74	
32	760 mm x 1020 mm (106 gsm)	67.79	
35	760 mm x 1020 mm (136 gsm)	86.28	

Rates apply to the following minimum order quantities :—

\* 10 tonne to under 25 tonne (Rates under 10 tonne, apply Tender Board).

All A.P.P.M. rates subject to discounts according to quantities and packing ordered.

CONTRACTS ACCEPTED—continued.

Item No.	Description.	Rate.	Name of Contractor.
	<b>OFFSET MAGAZINE.</b>	\$	
	To be free from fluff, supplied flat, not folded.	per tonne	
36	675 mm x 1020 mm (70 gsm) .. .. .	606.00	
37	840 mm x 1220 mm .. .. .	606.00	
38	760 mm x 1020 mm .. .. .	606.00	
39	860 mm x 1220 mm .. .. .	606.00	
	<b>PRINTSPEED.</b>		
40	790 mm x 1020 mm (94 gsm) Guillotine Trimmed .. .. .	869.00	
41	890 mm x 990 mm .. Long Grain, Guillotine Trimmed .. .. .	869.00	
42	890 mm x 1120 mm .. Long Grain, Guillotine Trimmed .. .. .	869.00	
	<b>VALECOTE GLOSS OR EQUIVALENT.</b>		
43	690 mm x 860 mm (85 gsm) .. .. .	761.00	
44	570 mm x 890 mm .. .. .	761.00	
45	640 mm x 1020 mm .. .. .	761.00	
46	760 mm x 1020 mm .. .. .	761.00	
50	760 mm x 1020 mm (70 gsm) .. .. .	761.00	
	<b>VIVACOTE OR EQUIVALENT.</b>		
52	760 mm x 1055 mm (85 gsm) .. .. .	843.00	
	<b>SUPERFINE ART PAPER OR SIMILAR SUITABLE QUALITY GUILLOTINE TRIMMED ALL SIDES.</b>		
56	580 mm x 910 mm (98 gsm) .. .. .	937.00	
57	580 mm x 910 mm (117 gsm) .. .. .	937.00	
58	580 mm x 910 mm (141 gsm) .. .. .	937.00	
59	640 mm x 1020 mm (98 gsm) .. .. .	937.00	
60	760 mm x 1020 mm .. .. .	937.00	
	<b>WHITE WOVE BANK PAPER.</b>		
67	530 mm x 840 mm (44 gsm) .. .. .	905.00	
68	580 mm x 910 mm .. .. .	905.00	
69	690 mm x 860 mm (ream wrapped in bales) (30 gsm) .. .. .	26.32†	
70	690 mm x 860 mm (44 gsm) .. .. .	905.00	
	<b>COLOURED BANK PAPER.</b>		
75	Pink 690 mm x 860 mm (44 gsm) .. .. .	970.00	
77	Blue .. .. .	970.00	
78	Old Gold .. .. .	987.00	
79	Buff .. .. .	970.00	
80	Green .. .. .	970.00	
83	Pink 580 mm x 910 mm .. .. .	970.00	
85	Blue .. .. .	970.00	
86	Old Gold .. .. .	987.00	
87	Buff .. .. .	970.00	
88	Green .. .. .	970.00	
91	Pink 530 mm x 840 mm .. .. .	970.00	
93	Blue .. .. .	970.00	
94	Old Gold .. .. .	987.00	
95	Buff .. .. .	970.00	
96	Green .. .. .	970.00	
	<b>CREAM WOVE WRITING PAPER.</b>		
99	675 mm x 1240 mm (73 gsm) .. .. .	773.00	
100	690 mm x 860 mm (73 gsm) .. .. .	773.00	
101	530 mm x 840 mm (96 gsm) .. .. .	773.00	
102	530 mm x 840 mm (73 gsm) .. .. .	773.00	
	<b>WHITE WOVE WRITING PAPER.</b>		
104	Envelope, 530 mm x 840 mm (73 gsm) .. .. .	850.00	
105	Security Cheque 580 mm x 910 mm (92 gsm) .. .. .	888.00	

A.P.P.M. Ltd.\*

Wiggins Teape (Aust.) Pty. Ltd.  
A.P.P.M. Ltd.\*

A.P.P.M. Ltd.\*

A.P.P.M. Ltd.\*

Rates apply to the following minimum order quantities:—

\* 10 tonne to under 25 tonne (Rates under 10 tonne, apply Tender Board).

All A.P.P.M. rates subject to discounts according to the quantities and packing ordered.

†per 1000 sheets.

CONTRACTS ACCEPTED—continued.

Item No.	Description.	Rate.	Name of Contractor.
		\$	
	<b>BLUE WOVE WRITING PAPER.</b>	per tonne	
108	690 mm x 860 mm (85 gsm)	849.00	
109	690 mm x 860 mm (67 gsm)	849.00	
	<b>BOND WRITING PAPER—WHITE WOVE, SURFACE SIZED—NOT WATERMARKED.</b>		
119	690 mm x 860 mm (110 gsm) "Bond 77"	810.00	A.P.P.M. Ltd.*
120	690 mm x 860 mm (73 gsm) "Bond 77"	810.00	
121	530 mm x 840 mm "Bond 77"	810.00	
122	580 mm x 910 mm "Bond 77"	810.00	
	<b>Bond Writing Paper—Tinted</b>		
135	Old Gold 690 mm x 860 mm (73 gsm)	810.00	
136	Pink " " " "	875.00	
137	Green " " " "	875.00	
139	Canary " " " "	875.00	
140	Blue " " " "	875.00	
141	Buff " " " "	875.00	
144	Old Gold 530 mm x 840 mm	892.00	
145	Pink " " " "	875.00	
146	Green " " " "	875.00	
148	Canary " " " "	875.00	
149	Blue " " " "	875.00	
150	Buff " " " "	875.00	
154	Old Gold 580 mm x 910 mm	892.00	
155	Pink " " " "	875.00	
156	Green " " " "	875.00	
158	Canary " " " "	875.00	
159	Blue " " " "	875.00	
160	Buff " " " "	875.00	
	<b>LEDGER PAPER.</b>	per 1000	
167	580 mm x 910 mm (116 gsm)	76.68	
168	510 mm x 790 mm (109 gsm)	55.00	
169	690 mm x 860 mm (92 gsm)	68.06	
	<b>HAND MADE PAPER.</b>		
181	432 mm x 699 mm inside deckle (90 gsm) "Saunders"	130.05	Wiggins Teape (Aust.) Pty. Ltd.
	<b>LOAN PAPER.</b>		
188	430 mm x 690 mm inside deckle (60 gsm) "Saunders"	104.44	
	<b>GOATSKIN PARCHMENT PAPER.</b>		
195	690 mm x 860 mm (204 gsm) Cream Wove	260.56	
196	690 mm x 860 mm (150 gsm) Snow White	191.49	
	<b>CARTRIDGE PAPER.</b>	per tonne	
199	560 mm x 760 mm, Long Grain (128 gsm)	888.00	Kembla Drawing Cartridge LG } A.P.P.M. Ltd.*
201	510 mm x 650 mm, Short Grain		
202	570 mm x 890 mm, Long Grain		
	<b>GUMMED PAPER—UNCOATED.</b>		
207	580 mm x 910 mm (82 gsm)	79.44†	Gordon & Gotch (Australasia) Ltd.
	<b>DUPLICATING PAPER—HARD SIZED.</b>		
212	690 mm x 860 mm (67 gsm)	801.00	A.P.P.M. Ltd.*
213	530 mm x 840 mm (67 gsm)	801.00	

Rates apply to the following minimum order quantities:—

\* 10 tonne to under 25 tonne (Rates under 10 tonne, apply Tender Board).

All A.P.P.M. Ltd. and A.P.M. Ltd. rates subject to discounts according to the quantities and packing ordered.

† Rate less 5%

CONTRACTS ACCEPTED—continued.

Item No.	Description.	Rate.	Name of Contractor.
		\$	
	<b>COVER PAPER.</b>	per tonne	
219	Burmese Blue, 520 mm x 780 mm, Short Grain (135 gsm) ..	854.00	} A.P.M. Ltd.
221	Dove Grey, 520 mm x 780 mm (135 gsm) .. ..	837.00	
	<b>BUFF MANILLA PAPER.</b>		
263	760 mm x 1020 mm, Short Grain (270 gsm) .. ..	781.00	A.P.P.M. Ltd.*
	<b>M.G. WHITE LINED GREYBOARD.</b>		
282	Single White Lined, 710 mm x 914 mm, Long Grain (350 um) (248 gsm)	584.00	} A.P.M. Ltd.
283	Single White Lined, 710 mm x 914 mm, Short Grain (350 um) (248 gsm)	584.00	
	<b>ECONOMY BOARD.</b>		
292	640 mm x 1020 mm (295 gsm) .. ..	790.00	A.P.P.M. Ltd.
	<b>PASTEBOARD.</b>	per 1000	
294	640 mm x 1020 mm (436 gsm) .. ..		} Purchase Reg. 109
296	640 mm x 1020 mm (576 gsm) .. ..		
297	Betting Ticket Board 640 mm x 1025 mm. High Wet Strength— Guillotine trimmed all around, protected with waterproof wrapping (225 gsm) .. ..	838.00	A.P.P.M. Ltd.*
	<b>MACHINE POSTING LEDGER—GLORY.</b>	per 1000	
301	Buff 650 mm x 780 mm (150 gsm) .. ..	78.95	} Wiggins Teape (Aust.) Pty. Ltd.
302	White 650 mm x 780 mm .. ..	73.75	
303	Buff 580 mm x 940 mm .. ..	84.86	
304	White 580 mm x 940 mm .. ..	79.28	
	<b>SYSTEM BOARD.</b>	per tonne	
316	Salmon 650 mm x 780 mm Long Grain (398 gsm) .. ..	894.00	} A.P.P.M. Ltd.
317	Buff .. ..	894.00	
318	Blue .. ..	894.00	
319	Green .. ..	894.00	
320	Pink .. ..	894.00	
323	White .. ..	894.00	
327	Salmon .. .. (253 gsm)	829.00	
328	Buff .. ..	894.00	
329	Blue .. ..	894.00	
330	Green .. ..	894.00	
331	Pink .. ..	894.00	
333	Yellow .. ..	894.00	
334	White .. ..	829.00	
337	Salmon .. .. (199 gsm)	894.00	
338	Buff .. ..	894.00	
339	Blue .. ..	894.00	
340	Green .. ..	894.00	
341	Pink .. ..	894.00	
342	White .. ..	829.00	
351	White 690 mm x 860 mm Short Grain .. ..	829.00†	
	<b>STRAWBOARD.</b>		
402	570 mm x 810 mm—1000 um .. ..	360.00	} A.P.M. Ltd.
403	" " —1200 um .. ..	360.00	
405	" " —1900 um .. ..	400.00	
406	" " —2400 um .. ..	400.00	
407	" " —5000 um .. ..	410.00	
412	545 mm x 720 mm—1900 um .. ..	400.00	
413	" " —2400 um .. ..	400.00	
414	" " —5000 um .. ..	410.00	
416	530 mm x 685 mm—1000 um .. ..	384.00	
417	" " —1200 um .. ..	384.00	
419	" " —1900 um .. ..	400.00	
420	" " —2400 um .. ..	400.00	
421	" " —5000 um .. ..	410.00	

Rates apply to the following minimum order quantities:—

\* 10 tonne to under 25 tonne (Rates under 10 tonne, apply Tender Board).

† 2½ tonne and over.

All A.P.P.M. Ltd. and A.P.M. Ltd. rates subject to discounts according to the quantities and packing ordered.

CONTRACTS ACCEPTED—continued.

Item No.	Description.	Rate.	Name of Contractor.
<b>STRAWBOARD.—continued.</b>		\$	
		per tonne	
422	470 mm x 600 mm—620 um	384.00	A.P.M. Ltd.
423	" " —1000 um	384.00	
424	" " —1200 um	384.00	
426	" " —1800 um	400.00	
427	" " —2400 um	400.00	
430	530 mm x 760 mm—1000 um	360.00	
431	" " —1200 um	360.00	
433	" " —1800 um	400.00	
434	" " —2400 um	400.00	
437	455 mm x 685 mm—1000 um	384.00	
438	" " —1200 um	384.00	
440	" " —1800 um	400.00	
441	" " —2400 um	400.00	
447	760 mm x 1020 mm—5000 um	410.00	
<b>BOOKBINDERS CLOTH. (ROLLS, 1 METRE X 50 METRES)</b>		per mètre	
460	Red	0.72	Brella Pty. Ltd.†
461	Green	0.72	
462	Brown	0.72	
463	Black	0.72	
464	Light Blue	0.72	
465	Dark Blue	0.72	
466	Grey	0.72	
<b>BOOKBINDERS LEATHER—FLAT FINISH.</b>		6 sq. ft.	
481	Basil, Red	11.08	Leather House Grossman Pty. Ltd.●
485	Sheep, Rough	10.90	
486	Sheep, Smooth	10.90	
487	Roan, Red, Straight Grained	11.08	
488	Roan, Brown, Straight Grained	11.08	
489	Roan, Green, Straight Grained	11.08	
490	Roan, Blue, Straight Grained	11.08	
491	Roan, Black, Straight Grained	11.08	
492	Roan, Maroon, Straight Grained	11.08	
<b>ENVELOPES:</b>		per 1000	
S7	146 mm x 89 mm Kraft, Pocket, gummed (75 gsm)	4.27	Besley & Pike Pty. Ltd.
S11	89 mm x 146 mm Window Face, secretive, Banker's, gummed (73 gsm)	4.12	
S21	92 mm x 165 mm Window Face, secretive, Banker's, gummed (73 gsm)	5.35	
S25	177 mm x 127 mm Kraft, Pocket, gummed (75 gsm)	6.20	
S37	228 mm x 101 mm Kraft, Pocket, gummed (75 gsm)	5.96	
S39	101 mm x 228 mm Window Face, secretive, Banker's gummed (73 gsm)	4.92	
S44	228 mm x 152 mm Kraft, Pocket, gummed (75 gsm)	9.03	
S48	114 mm x 267 mm " Banker's, gummed (85 gsm)	8.40	
S49	267 mm x 114 mm " Pocket, gummed (85 gsm)	9.42	
S55	267 mm x 190 mm " " (85 gsm)	13.07	
S56	267 mm x 216 mm " " (84 gsm)	13.98	
S58	304 mm x 152 mm " " (84 gsm)	12.93	
S60	368 mm x 241 mm " " (104 gsm)	23.24	
S61	381 mm x 152 mm " " (84 gsm)	15.13	
S62	381 mm x 280 mm " " (106 gsm)	29.34	
S63	406 mm x 280 mm " " (106 gsm)	30.95	
S65	406 mm x 254 mm " " (152 gsm)	46.39	
<b>BLOTTING PAPER.</b>		per tonne	
S77	White, 445 mm x 570 mm (136 gsm)	902.00*	A.P.P.M. Ltd.
<b>BROWN PAPER.</b>			
S81	Kraft, 760 mm x 1140 mm flat M.F. (49 gsm)	705.00	A.P.M. Ltd.
S82	Kraft, 760 mm x 1140 mm flat M.F. (67 gsm)	692.00	
S83	Kraft, 760 mm x 1140 mm flat M.F. (85 gsm)	692.00	
S84	Kraft, 1140 mm x 1520 mm folded M.F. Code No. 15501 (85 gsm)	692.00	

Rates apply to the following minimum order quantities:—

- \* 10 tonne to under 25 tonne (Rates under 10 tonnes apply Tender Board). † Rates less 3% settlement discount 21 days.
- Rates less 3½% settlement discount 14 days.

All A.P.P.M. Ltd. and A.P.M. Ltd. rates subject to discounts according to the quantities and packing ordered.

CONTRACTS ACCEPTED—*continued.*

Item No.	Description.	Rate.	Name of Contractor.
		\$	
	TISSUE PAPER.	per 1000	
S100	White, 510 mm x 760 mm (17 gsm) .. .. .	..	Purchase (Regulation 109)
	GREASEPROOF PAPER.		
S102	460 mm x 710 mm (32 gsm) .. .. .	10.20	Edwards Dunlop & Co. Ltd.
	WHITE H.S. DUPLICATOR.	per tonne	
S110	337 mm x 206 mm (67 gsm) .. .. .	878.00	} A.P.P.M. Ltd.*
S111	260 mm x 206 mm .. .. .	901.00	
	CREAM WOVE WRITING.		
S122	337 mm x 206 mm (73 gsm) .. .. .	844.00	
S123	260 mm x 206 mm .. .. .	865.00	
	SURFACE SIZED WHITE BOND.		
S125	337 mm x 206 mm (73 gsm) .. .. .	881.00	
S126	260 mm x 206 mm .. .. .	902.00	
	WHITE BANK.		
S129	337 mm x 206 mm (44 gsm) .. .. .	1023.00	
S131	260 mm x 206 mm .. .. .	1058.00	
	COLOURED BANK.		
S136	Pink 337 mm x 206 mm (44 gsm) .. .. .	1088.00	
S137	Old Gold .. .. .	1105.00	
S138	Green .. .. .	1088.00	
S139	Blue .. .. .	1088.00	
S140	Pink 260 mm x 206 mm .. .. .	1123.00	
S141	Old Gold .. .. .	1140.00	
S142	Green .. .. .	1123.00	
S143	Blue .. .. .	1123.00	
	MANILLA TAGS.	per 1000	
S171	1 N. (in gangs of 4) .. .. .	1.71	} Unifile Pty. Ltd.
S172	2 N. .. .. .	1.90	
S173	3 N. .. .. .	2.19	
S174	4 N. .. .. .	2.48	
S175	5 N. .. .. .	2.73	
S176	6 N. .. .. .	3.17	
S177	7 N. .. .. .	3.62	
	TRACING PAPER.	per roll	
S184	Tracing Paper, 760 mm x 50 m Heavyweight (90 gsm) .. .. .	7.80	} GAF (Vic.) Pty. Ltd.
S184A	Tracing Paper, 760 mm x 50 m Lightweight (60 gsm) .. .. .	6.30	
S184B	Detail Paper, 760 mm x 50 m .. .. .	4.65	
	TRACING CLOTH.		
S185	Dull Back, 1067 mm x 20 m .. .. .	50.60	
	MANILLA.		
S189	Buff 337 mm x 206 mm (270 gsm) .. .. .	800.00	} A.P.P.M. Ltd.*
S191	Buff 356 mm x 458 mm (270 gsm) .. .. .	823.00	
	DRAWING CARTRIDGE.		
S351	560 mm x 760 mm (128 gsm) .. .. .	888.00	} A.P.P.M. Ltd.*
S352	380 mm x 560 mm .. .. .	888.00	
S353	280 mm x 380 mm .. .. .	914.00	
S354	190 mm x 280 mm .. .. .	941.00	

Rates apply to the following minimum order quantities :—

\* 10 tonne to under 25 tonne (Rates under 10 tonne, apply Tender Board).

All A.P.P.M. Ltd. and A.M.P. Ltd. rates subject to discounts according to the quantity and packing ordered.

# Mathematical Analysis

Chapter 1: Introduction to Real Numbers

The real number system is the foundation of calculus. It includes the rational numbers and the irrational numbers. The real number line is a continuous line with no gaps. The real numbers are denoted by  $\mathbb{R}$ .

The real number system is a complete ordered field. This means that it has the properties of a field (addition, multiplication, inverses) and is ordered (less than or greater than). The completeness property states that every non-empty set of real numbers that is bounded above has a least upper bound.

The real number system is also a metric space. The distance between two real numbers  $a$  and  $b$  is given by  $|a - b|$ . This metric allows us to define convergence and limits.

The real number system is a topological space. The open intervals  $(a, b)$  form a basis for the topology. This allows us to define open sets and closed sets.

The real number system is a complete metric space. This means that every Cauchy sequence of real numbers converges to a real number. This property is essential for the theory of limits.

The real number system is a separable metric space. This means that there is a countable dense subset of real numbers. The rational numbers are a countable dense subset of the real numbers.

The real number system is a complete ordered field. This means that it has the properties of a field and is ordered. The completeness property states that every non-empty set of real numbers that is bounded above has a least upper bound.

The real number system is a complete metric space. This means that every Cauchy sequence of real numbers converges to a real number. This property is essential for the theory of limits.