Form 605

Corporations Act 2001 Section 671B

Notice of ceasing to be a substantial holder

s of substantial holder (1) Wanguard Group (The Vanguard Group, Inc. and its controlled entities including to listed in Annexure A) N/A Per ceased to be a all holder on 8 July 2020 Sous notice was given to the company on 24 March 2020 Sous notice was dated 24 March 2020 Ses in relevant interests Ses of each change in, or change in the nature of, a relevant interest (2) of the substantial holder or an associate (3) in voting since the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows: Date of Person whose Nature of Consideration Class (6) and Person's vol					
Vanguard Group (The Vanguard Group, Inc. and its controlled entities including to listed in Annexure A) N/A Per ceased to be a all holder on 8 July 2020 Ous notice was given to the company on 24 March 2020 Ous notice was dated 24 March 2020 See in relevant interests Se of each change in, or change in the nature of, a relevant interest (2) of the substantial holder or an associate (3) in voting since the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows:					
Ilisted in Annexure A) N/A Per ceased to be a all holder on Ous notice was given to the company on 24 March 2020 Ous notice was dated 24 March 2020 es in relevant interests s of each change in, or change in the nature of, a relevant interest (2) of the substantial holder or an associate (3) in voting since the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows:					
In the service of the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows:	ı securities				
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See Annexure A Vanguard Construction affected voting power to change (5) securities affected voting power to change (5) securities affected voting power to change (5) securities affected vanguard Construction (5) securities affected vanguard (5) securit	4.957% of				
ons who have become associates (3) of, ceased to be associates of, or have changed the nature of their association (7 to voting interests in the company or scheme are as follows: Name and ACN/ARSN (if applicable) Nature of association) with, the				
N/A N/A	N/A				
ses sses of persons named in this form are as follows:					
Name Address					

DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant interests (eg. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 4 of the form.
- (2) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (3) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (4) Include details of:
 - (a) any relevant agreement or other circumstances because of which the change in relevant interest occurred. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
 - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).

See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.

- (5) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder or its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.
- (6) The voting shares of a company constitute one class unless divided into separate classes.
- (7) Give details, if appropriate, of the present association and any change in that association since the last substantial holding notice.

To Company ACN/ARSN

Qube Holdings Limited 149 723 053

Substantial Holder Name ACN/ARSN

Vanguard Group

N/A

		Nature of	Consideration given in relation		Number of securities	
	Ţ	Change(6)	to change(7)	Class	affected	affected
	The Vanguard Group, Inc.	SELL	1.85	Ordinary	(5,460)	(5,460)
	The Vanguard Group, Inc.	BUY	1.82	Ordinary	2,434	2,434
	The Vanguard Group, Inc.	BUY	1.99	Ordinary	385,435	385,435
	The Vanguard Group, Inc.	SELL	2.31	Ordinary	(4,095)	(4,095)
	The Vanguard Group, Inc.	BUY	2.17	Ordinary	46,189	46,189
	The Vanguard Group, Inc.	BUY	2.31	Ordinary	7,620	7,620
	The Vanguard Group, Inc.	BUY	2.25	Ordinary	2,411	2,411
	The Vanguard Group, Inc.	BUY	2.15	Ordinary Ordinary	4,572 72,209	4,572 72.209
	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	2.22	Ordinary	6,096	6,096
	The Vanguard Group, Inc.	BUY	2.27	Ordinary	6,144	6,144
	The Vanguard Group, Inc.	BUY	2.27	Ordinary	4,820	4,820
	The Vanguard Group, Inc.	BUY	2.19	Ordinary	3,048	3,048
	The Vanguard Group, Inc.	SELL	2.15	Ordinary	(108,892)	(108,892)
	The Vanguard Group, Inc.	BUY	2.15	Ordinary	7,620	7,620
	The Vanguard Group, Inc.	BUY	2.16	Ordinary	7,230	7,230
•	The Vanguard Group, Inc.	BUY	2.26		4,572	4,572
	The Vanguard Group, Inc.	BUY	2.37	Ordinary	4,572	4,572
	The Vanguard Group, Inc.	BUY	2.42	Ordinary	12,192	12,192
	The Vanguard Group, Inc.	SELL	2.35	Ordinary	(9,308)	(9,308)
	The Vanguard Group, Inc.	SELL	2.35	Ordinary	(18,616)	(18,616)
	The Vanguard Group, Inc.	SELL	2.35	Ordinary	(20,943)	(20,943)
	The Vanguard Group, Inc.	BUY	2.38	Ordinary	67,339	67,339
	The Vanguard Group, Inc.	BUY	2.35	Ordinary	6,096	6,096
	The Vanguard Group, Inc.	BUY	2.31	Ordinary	7,620	7,620
	The Vanguard Group, Inc.	BUY	2.30	Ordinary	2,409	2,409
16-Apr-2020	The Vanguard Group, Inc.	SELL	2.30	Ordinary	(42,403)	(42,403)
17-Apr-2020	The Vanguard Group, Inc.	BUY	2.42	Ordinary	12,192	12,192
27-Apr-2020	The Vanguard Group, Inc.	BUY	2.27	Ordinary	3,048	3,048
1-May-2020	The Vanguard Group, Inc.	BUY	1.95	Ordinary	178,237	178,237
1-May-2020	The Vanguard Group, Inc.	BUY	1.95	Ordinary	3,532,136	3,532,136
1-May-2020	The Vanguard Group, Inc.	BUY	1.95	Ordinary	1,265,456	1,265,456
1-May-2020	The Vanguard Group, Inc.	BUY	1.95	Ordinary	65,870	65,870
1-May-2020	The Vanguard Group, Inc.	BUY	1.95	Ordinary	361,918	361,918
1-May-2020	The Vanguard Group, Inc.	BUY	1.95	Ordinary	108,039	108,039
1-May-2020	The Vanguard Group, Inc.	BUY	1.95	Ordinary	20,146	20,146
1-May-2020	The Vanguard Group, Inc.	BUY	1.95	Ordinary	44,922	44,922
	The Vanguard Group, Inc.	BUY	1.95	Ordinary	1,904	1,904
	The Vanguard Group, Inc.	BUY	1.95	Ordinary	92,106	92,106
	The Vanguard Group, Inc.	BUY	1.95	Ordinary	1,642	1,642
•	The Vanguard Group, Inc.	BUY	1.95	Ordinary	3,559	3,559
	The Vanguard Group, Inc.	BUY	2.60	Ordinary	12,192	12,192
	The Vanguard Group, Inc.	BUY	2.51		12,112	12,112
	The Vanguard Group, Inc.	BUY		Ordinary	7,348	7,348
	The Vanguard Group, Inc.	BUY	2.55		8,748	8,748
	The Vanguard Group, Inc.	SELL	2.52	Ordinary	(9,625)	(9,625)
,	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	2.56 1.95	-	3,028	3,028
	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	1.95	Ordinary Ordinary	92,135 1,893	92,135 1,893
	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	1.95	Ordinary	21,067	21,067
	The Vanguard Group, Inc.	BUY	1.95		1,243	1,243
	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	1.95		7,789	7,789
	The Vanguard Group, Inc.	BUY	1.95	Ordinary	45,105	45,105
•	The Vanguard Group, Inc.	BUY	1.95	Ordinary	1,411	1,411
	The Vanguard Group, Inc.	BUY	1.95	Ordinary	8,063	8,063
	The Vanguard Group, Inc.	BUY	1.95	Ordinary	4,475	4,475
	The Vanguard Group, Inc.	BUY	1.95	Ordinary	8,930	8,930
	The Vanguard Group, Inc.	BUY	2.49	Ordinary	2,781	2,781
	The Vanguard Group, Inc.	SELL	2.49		(37,628)	(37,628)
	The Vanguard Group, Inc.	BUY	2.49	Ordinary	22,202	22,202
	The Vanguard Group, Inc.	SELL	2.49	Ordinary	(226,644)	(226,644)
,	1, 1	BUY		Ordinary	2,780	2,780

38-Mays-2020 The Vangaard Group, Inc. 907 2.58 Ordinary 7.498 7.698 2.595 Ordinary 6.768 6.768 2.008 2.008 2.009	Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities	Person's votes
19-May-2020 The Vangard Group, Inc. 007 2-25 Ordinary 8-788 5-788 20-49y-2020 The Vangard Group, Inc. 007 2-26 Ordinary 2-788 2-78							
1.0 May 2000 The Vangeard Group, Inc. 10.17 2.67 Ordinary 4.20 4.20 12.1 May 2000 The Vangeard Group, Inc. 10.17 2.68 Ordinary 2.786 2.786 12.2 May 2000 The Vangeard Group, Inc. 10.17 2.69 Ordinary 1.988 1.788 12.2 May 2000 The Vangeard Group, Inc. 10.17 2.69 Ordinary 4.322 4.392 12.2 May 2000 The Vangeard Group, Inc. 10.17 2.69 Ordinary 4.401 12.2 May 2000 The Vangeard Group, Inc. 10.17 2.69 Ordinary 4.401 12.2 May 2000 The Vangeard Group, Inc. 10.17 2.69 Ordinary 2.69 12.5 May 2000 The Vangeard Group, Inc. 10.17 2.70 Ordinary 2.10 12.5 May 2000 The Vangeard Group, Inc. 10.17 2.70 Ordinary 2.10 12.5 May 2000 The Vangeard Group, Inc. 10.17 2.71 Ordinary 2.788 2.788 1.2 May 2000 The Vangeard Group, Inc. 10.17 2.72 Ordinary 2.788 2.788 1.2 May 2000 The Vangeard Group, Inc. 10.17 2.72 Ordinary 2.788 2.788 1.2 May 2000 The Vangeard Group, Inc. 10.17 2.72 Ordinary 2.788 2.788 1.2 May 2000 The Vangeard Group, Inc. 10.17 2.72 Ordinary 2.788 2.788 1.2 May 2000 The Vangeard Group, Inc. 10.17 2.72 Ordinary 2.788 2.788 1.2 May 2000 The Vangeard Group, Inc. 10.17 2.72 Ordinary 2.78 Ordinary 2.78 1.2 May 2000 The Vangeard Group, Inc. 10.17 2.72 Ordinary 2.78 Ordinary 2.78 1.2 May 2000 The Vangeard Group, Inc. 10.17 2.72 Ordinary 2.78 0.78 1.2 May 2000 The Vangeard Group, Inc. 10.17 2.78 Ordinary 2.78 0.78 1.2 May 2000 The Vangeard Group, Inc. 10.17 2.78 Ordinary 2.78 0.78 1.2 May 2000 The Vangeard Group, Inc. 10.17 2.78 Ordinary 2.78 0.78 1.2 May 2000 The Vangeard Group, Inc. 10.17 2.78 Ordinary 2.78 0.78 1.2 May 2000 The Vangeard Group, Inc. 10.17 2.78 Ordinary 2.78 0.78 1.2 May 2000 The Vangeard Group, Inc. 10.17 2.78 Ordinary 2.79 0.78 1.2 May 2000 The Vangeard Group, Inc. 10.17 2.79 Ordinary 2.79 0.78 1.2 May 2000 The Vangeard G						,	·
22-May 2000 The Vanguard Group, Inc. SELL 22-May 2000 The Vanguard Group, Inc. SELL 23-May 2000 The Vanguard Group, Inc. SELL 23-May 2000 The Vanguard Group, Inc. SELL 23-May 2000 The Vanguard Group, Inc. SELL 24-May 2000 The Vanguard Group, Inc. SELL 24-May 2000 The Vanguard Group, Inc. SELL 24-May 2000 The Vanguard Group, Inc. SELV 27-May 2000 The Vanguard Group, Inc. SELV 28-May 2000 The Vanguard Group, Inc. SELL 28-May 2000 The Vanguard Group			BUY	2.67	,		
22 May 2000 The Vanquard Group, Inc. 917	21-May-2020	The Vanguard Group, Inc.	BUY	2.65	Ordinary	2,786	2,786
12-May-2007 The Vanguard Group, Inc. SELL 2-07 Ordinary (4-4,813) (4-4,813) (4-4,813) (2-4,814) (2-4) (2	22-May-2020	The Vanguard Group, Inc.	SELL	2.66	Ordinary	(7,968)	(7,968)
22-May-2000 The Vanguard Group, Inc. 8UV 2.74 Ordinary 2.198 22-May-2000 The Vanguard Group, Inc. 8UV 2.74 Ordinary 2.198 22-May-2000 The Vanguard Group, Inc. 8UV 2.79 Ordinary 3.061 3.061 3.061 3.86 May-2000 The Vanguard Group, Inc. 8UV 2.77 Ordinary 1.5, 500 329-May-2000 The Vanguard Group, Inc. 8UV 2.77 Ordinary 1.5, 500 329-May-2000 The Vanguard Group, Inc. 8UV 2.78 Ordinary 1.5, 500 329-May-2000 The Vanguard Group, Inc. 8UV 2.79 Ordinary 2.7, 588 2.7, 588 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.79 Ordinary 2.8, 500 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.79 Ordinary 2.8, 500 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.79 Ordinary 2.8, 500 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.79 Ordinary 2.8, 500 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.83 Ordinary (828,149) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.83 Ordinary (828,149) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.83 Ordinary (828,149) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.83 Ordinary (828,149) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.84 Ordinary (228,159) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.85 Ordinary (228,159) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.86 Ordinary (228,159) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.86 Ordinary (238,159) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.85 Ordinary (238,159) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.85 Ordinary (238,159) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.85 Ordinary (238,159) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.85 Ordinary (238,159) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.85 Ordinary (238,159) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.85 Ordinary (238,159) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.85 Ordinary (238,159) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.85 Ordinary (238,159) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.85 Ordinary (238,159) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.85 Ordinary (238,159) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.77 Ordinary (238,159) 3.1-9-2000 The Vanguard Group, Inc. 8UV 2.79 Ordinary (238,159) 3.1-9-2000 The Van	22-May-2020	The Vanguard Group, Inc.	BUY	2.69	Ordinary	4,392	4,392
274May-2020 The Vanguard Group, Inc. BJV 2.79 Ordinary 3,061 3,061 284May-2020 The Vanguard Group, Inc. BJV 2.79 Ordinary 3,061 3,061 284May-2020 The Vanguard Group, Inc. BJV 2.71 Ordinary 27,588 27,588 13.10 2020 The Vanguard Group, Inc. BJV 2.71 Ordinary 27,588 27,588 13.10 2020 The Vanguard Group, Inc. BJV 2.78 Ordinary 26,575 6,57	22-May-2020	The Vanguard Group, Inc.	SELL	2.67	Ordinary	(44,813)	(44,813)
22-May-2020 The Vanguard Group, Inc. BUY 2.76 Ordinary 3.061 3.061 28-May-2020 The Vanguard Group, Inc. BUY 2.71 Ordinary 27.588 27.588 1-Jun-2020 The Vanguard Group, Inc. BUY 2.78 Ordinary 6.875 6.875 6.375 2-Jun-2020 The Vanguard Group, Inc. BUY 2.78 Ordinary 6.875 6.875 3-Jun-2020 The Vanguard Group, Inc. BUY 2.78 Ordinary 6.875 6.875 3-Jun-2020 The Vanguard Group, Inc. BUY 2.79 Ordinary 6.875 6.875 6.875 4-Jun-2020 The Vanguard Group, Inc. BUY 2.22 Ordinary 6.875 6.875 6.875 4-Jun-2020 The Vanguard Group, Inc. SELL 2.23 Ordinary 6.875 6.875 6.875 4-Jun-2020 The Vanguard Group, Inc. SELL 2.24 Ordinary 6.875	22-May-2020	The Vanguard Group, Inc.	BUY	2.67	Ordinary	6,793	6,793
28-May-2020 The Vangaard Group, Inc. BUY 2.75 Ordinary 15,500 15,500 29-May-2020 The Vangaard Group, Inc. BUY 2.78 Ordinary 27,588 27,588 11-in-2020 The Vangaard Group, Inc. BUY 2.78 Ordinary 20,655 20,62	26-May-2020	The Vanguard Group, Inc.	BUY	2.74	Ordinary		2,196
29-May-2020 The Vanguard Group, Inc. BUY 2.78 Ordinary 2.79 Ordinary 2.7	·						
1-Jun-2200 The Vanguard Group, Inc. 8UV 2.78 Ordinary 20,255 20,252 3-Jun-2200 The Vanguard Group, Inc. 8UV 2.78 Ordinary 6,875 6,875 4-Jun-2200 The Vanguard Group, Inc. 8UV 2.27 Ordinary 6,875 6,875 4-Jun-2200 The Vanguard Group, Inc. 8UV 2.28 Ordinary 6,875 6,875 4-Jun-2200 The Vanguard Group, Inc. 8UV 2.28 Ordinary 1,824 5-Jun-2200 The Vanguard Group, Inc. 8UV 2.28 Ordinary 3,244 3,249 9-Jun-2200 The Vanguard Group, Inc. 8UV 2.28 Ordinary 1,824 9-Jun-2200 The Vanguard Group, Inc. 8UV 2.28 Ordinary 1,824 9-Jun-2200 The Vanguard Group, Inc. 8UV 2.28 Ordinary 1,825 9-Jun-2200 The Vanguard Group, Inc. 8UV 2.26 Ordinary 1,935 9-Jun-2200 The Vanguard Group, Inc. 8UV 2.26 Ordinary 1,955 9-Jun-2200 The Vanguard Group, Inc. 8UV 2.26 Ordinary 1,955 9-Jun-2200 The Vanguard Group, Inc. 8UV 2.26 Ordinary 1,955 9-Jun-2200 The Vanguard Group, Inc. 8UV 2.26 Ordinary 1,955 9-Jun-2200 The Vanguard Group, Inc. 8UV 2.26 Ordinary 1,955 9-Jun-2200 The Vanguard Group, Inc. 8UV 3.26 Ordinary 1,955 9-Jun-2200 The Vanguard Group, Inc. 8UV 3.26 Ordinary 1,955 9-Jun-2200 The Vanguard Group, Inc. 8UV 3.26 Ordinary 1,955 1-Jun-2200 The Vanguard Group, Inc. 8UV 3.26 Ordinary 1,958 1-Jun-2200 The Vanguard Group, Inc. 8UV 3.27 Ordinary 1,959 1-Jun-2200 The Vanguard Group, Inc. 8UV 3.26 Ordinary 1,959 1-Jun-2200 The Vanguard Group, Inc. 8UV 3.27 Ordinary 1,959 1-Jun-2200 The Vanguard Group, Inc. 8UL 3.27 Ordinary 1,959 1-Jun-2200 The Vanguard Group, Inc. 8UL 3.27 Ordinary 1,959 1-Jun-2200 The Vanguard Group, Inc. 8UL 3.27 Ordinary 1,959 1-Jun-2200 The Vanguard Group, Inc. 8UL 3.27 Ordinary 1,959 1-Jun-2200 The Vanguard Group, Inc. 8UL 3.27 Ordinary 1,959 1-Jun-2200 The Vanguard Group, Inc. 8UL 3.27 Ordinary 1,959 1-Jun-2200 The Vanguard Group, Inc. 8UL 3.27 Ordinary 1,959 1-Jun-2200 The Vanguard Group, Inc. 8UL 3.27 Ordinary 1,959 1-Jun-2200 The Vanguard Group, Inc. 8UL 3.27 Ordinary 1,959 1-Jun-2200 The Vanguard Group, Inc. 8UL 3.27 Ordinary 1,959 1-Jun-2200 The Vanguard Group, Inc. 8UL 3.27 Ordinary 1,959 1-Jun-2200 The Vanguard Group, Inc							
2-Jun-2020 The Vanguard Group, Inc. BUY 2.87 Ordinary 5.88 5.88							
3-Jun 2020 The Vanguard Group, Inc. BUY 2.81 Ordinary 6.757 6.75							·
4-Jun-2020 The Vanguard Group, Inc. SELL 2.81 Ordinary (49.) 490 (49.) 149							
S-Jun-2020 The Vanguard Group, Inc. SELL 2.85 Ordinary (22,515) (226,156)							
9-Jun-2020 The Vanguard Group, Inc. 9-Jun-2020							, , ,
9-Jun-2020 The Vanguard Group, Inc. 81V 2.86 Ordinary 905 905 905 91-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-					· · · · · ·		
9-Jun-2020 The Vanguard Group, Inc. 91/10-2020							
9-Jun-2020 The Vanguard Group, Inc. 9-Jun-2020 The Vanguard Group, Inc. 11-Jun-2020 The Vanguard Group, Inc. 11-Jun-2020 The Vanguard Group, Inc. 9-Jun-2020 The Vanguard Grou					,		, , ,
9-Jun-2020 The Vanguard Group, Inc. 11-Jun-2020 The Vanguard Group, Inc. 11-Jun-2020 The Vanguard Group, Inc. 5ELL 2.6 Ordinary (200,533) (200,533) (200,533) (30		0 17					
11-Jun-2020 The Vanguard Group, Inc. SELL 2.76 Ordinary (200,533)					,		
11-1.un-2020 The Vanguard Group, Inc. SELL 2.76 Ordinary (200,533) 1200,533 13-1.un-2020 The Vanguard Group, Inc. SELL 2.62 Ordinary (23,270) (23,27					,		
11-Jun-2020 The Vanguard Group, Inc. SELL 2.62 Ordinary (3,202) (32,702)							
11-Jun-2020 The Vanguard Group, Inc. SELL 2.62 Ordinary (23,270) (23,270) (13,962)							
11-Jun-2020 The Vanguard Group, Inc. SELL 2.62 Ordinary (13.962) (1					,	, , , ,	(23,270)
15-Jun-2020 The Vanguard Group, Inc. SELL 2.77 Ordinary 2,196 2,196 15-Jun-2020 The Vanguard Group, Inc. BUY 2.77 Ordinary 2,196 2,196 18-Jun-2020 The Vanguard Group, Inc. BUY 2.79 Ordinary 3,294 3,294 3,294 3,194							(13,962)
17-Jun-2020 The Vanguard Group, Inc. BUY 2.77 Ordinary 2.196 2.196 19-Jun-2020 The Vanguard Group, Inc. SELL 2.79 Ordinary 2.196 2.196 19-Jun-2020 The Vanguard Group, Inc. SELL 2.79 Ordinary (51,231) (51,231) (51,231) 19-Jun-2020 The Vanguard Group, Inc. SELL 2.79 Ordinary (8,242) (8,242) (8,242) (19			SELL	2.77	Ordinary		(13,962)
18-Jun-2020 The Vanguard Group, Inc. SELL 2.79 Ordinary (51,231)	15-Jun-2020	The Vanguard Group, Inc.	BUY	2.77	Ordinary	2,196	2,196
19-Jun-2020 The Vanguard Group, Inc. SELL 2.79 Ordinary (8,1231) (8,124) (8,242) (8,242) (19-Jun-2020) The Vanguard Group, Inc. SELL 2.79 Ordinary (1,200)	17-Jun-2020	The Vanguard Group, Inc.	BUY	2.77	Ordinary	3,294	3,294
19-Jun-2020 The Vanguard Group, Inc. SELL 2.79 Ordinary (1,200)	18-Jun-2020	The Vanguard Group, Inc.	BUY	2.79	Ordinary	2,196	2,196
19-Jun-2020 The Vanguard Group, Inc. SELL 2.79 Ordinary 12,917	19-Jun-2020	The Vanguard Group, Inc.	SELL	2.79	Ordinary	(51,231)	(51,231)
19-Jun-2020 The Vanguard Group, Inc. BUY 2.79 Ordinary 12.917 12.917 19-Jun-2020 The Vanguard Group, Inc. BUY 2.79 Ordinary 7,319 7,319 7,319 19-Jun-2020 The Vanguard Group, Inc. BUY 2.79 Ordinary 6,181 6,181 6,181 22-Jun-2020 The Vanguard Group, Inc. BUY 2.73 Ordinary 24,262 24,262 24,262 24-Jun-2020 The Vanguard Group, Inc. BUY 2.79 Ordinary 24,262 24,262 24-Jun-2020 The Vanguard Group, Inc. BUY 2.79 Ordinary 3,294 3,294 3,294 30-Jun-2020 The Vanguard Group, Inc. BUY 2.79 Ordinary 3,294 3,294 30-Jun-2020 The Vanguard Group, Inc. BUY 2.94 Ordinary 10,895 10,855 30-Jun-2020 The Vanguard Group, Inc. BUY 2.94 Ordinary 10,998 10,998 6-Jul-2020 The Vanguard Group, Inc. BUY 2.74 Ordinary 3,294 3,294 3,294 23-Mar-2020 Vanguard Investments Australia Ltd. BUY 2.74 Ordinary 3,294 3,294 23-Mar-2020 Vanguard Investments Australia Ltd. BUY 2.74 Ordinary 23,114 23,114 26-Mar-2020 Vanguard Investments Australia Ltd. BUY 2.21 Ordinary 24,585 27-Mar-2020 Vanguard Investments Australia Ltd. BUY 2.21 Ordinary 49,866 49,866 27-Mar-2020 Vanguard Investments Australia Ltd. BUY 2.21 Ordinary 3,552 8,552 27-Mar-2020 Vanguard Investments Australia Ltd. BUY 2.21 Ordinary 3,675 39,675 27-Mar-2020 Vanguard Investments Australia Ltd. BUY 2.21 Ordinary 40,700 40,700 27-Mar-2020 Vanguard Investments Australia Ltd. BUY 2.21 Ordinary 40,866 49,86			SELL	2.79	Ordinary	(8,242)	(8,242)
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2-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.15 Ordinary 24,120 24,120 3-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.02 Ordinary 12,048 12,048 7-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.16 Ordinary 56,665 56,665 8-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.22 Ordinary 167,282 167,282 9-Apr-2020 Vanguard Investments Australia Ltd. SELL 2.33 Ordinary (94,845) (94,845) 9-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.33 Ordinary 55,250 55,250 14-Apr-2020 Vanguard Investments Australia Ltd. SELL 2.37 Ordinary (85,765) (85,765) 14-Apr-2020 Vanguard Investments Australia Ltd. SELL 2.37 Ordinary (14,693) (14,693) 15-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.39 Ordinary 32,300 32,300 21-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.25 Ordinary 10,405 10,40	31-Mar-2020	Vanguard Investments Australia Ltd.	BUY	2.15	Ordinary	32,560	32,560
3-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.02 Ordinary 12,048 12,048 7-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.16 Ordinary 56,665 56,665 8-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.22 Ordinary 167,282 167,282 9-Apr-2020 Vanguard Investments Australia Ltd. SELL 2.33 Ordinary (94,845) (94,845) 9-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.33 Ordinary 55,250 55,250 14-Apr-2020 Vanguard Investments Australia Ltd. SELL 2.37 Ordinary (85,765) (85,765) 14-Apr-2020 Vanguard Investments Australia Ltd. SELL 2.37 Ordinary (14,693) (14,693) 15-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.39 Ordinary 32,300 32,300 21-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.25 Ordinary 10,405 10,405 21-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.18 Ordinary 32,440 32,440		ŭ	BUY	2.27	Ordinary	20,930	20,930
7-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.16 Ordinary 56,665 56,665 8-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.22 Ordinary 167,282 167,282 9-Apr-2020 Vanguard Investments Australia Ltd. SELL 2.33 Ordinary (94,845) (94,845) 9-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.33 Ordinary 55,250 55,250 14-Apr-2020 Vanguard Investments Australia Ltd. SELL 2.37 Ordinary (85,765) (85,765) 14-Apr-2020 Vanguard Investments Australia Ltd. SELL 2.37 Ordinary (14,693) (14,693) 15-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.39 Ordinary 32,300 32,300 21-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.25 Ordinary 10,405 10,405 21-Apr-2020 Vanguard Investments Australia Ltd. BUY 2.18 Ordinary 32,440 32,440							24,120
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	•		BUY	2.18		32,440 27,574	32,440 27,574

		Nature of	Consideration given in relation		Number of securities	Person's votes
Date of change	Person whose relevant interest changed	Change(6)	to change(7)	Class	affected	affected
	Vanguard Investments Australia Ltd.	SELL	2.24	Ordinary	(174,070)	(174,070)
•	Vanguard Investments Australia Ltd.	SELL	2.22	Ordinary	(185,194)	(185,194)
•	Vanguard Investments Australia Ltd.	BUY	2.22	Ordinary	24,420	24,420
•	Vanguard Investments Australia Ltd.	BUY	2.21	Ordinary	29,502	29,502
•	Vanguard Investments Australia Ltd.	BUY	2.21	Ordinary	18,873	18,873
	Vanguard Investments Australia Ltd.	BUY	2.21	Ordinary	25,164	25,164
	Vanguard Investments Australia Ltd.	BUY	2.17	Ordinary	28,245	28,245
	Vanguard Investments Australia Ltd.	BUY	2.17	Ordinary	37,660	37,660
	Vanguard Investments Australia Ltd.	BUY	2.56	Ordinary	52,976	52,976
	Vanguard Investments Australia Ltd.	SELL	2.61	Ordinary	(8,941)	(8,941)
	Vanguard Investments Australia Ltd.	SELL	2.55	Ordinary	(28,008)	(28,008)
	Vanguard Investments Australia Ltd.	BUY	2.52	Ordinary	1,832	1,832
	Vanguard Investments Australia Ltd.	BUY	1.95	Ordinary	118,645	118,645
	Vanguard Investments Australia Ltd.	BUY	1.95	Ordinary	238,660	238,660
	Vanguard Investments Australia Ltd.	BUY	1.95	Ordinary	657,425	657,425
	Vanguard Investments Australia Ltd.	BUY	1.95	Ordinary	80,525	80,525
	Vanguard Investments Australia Ltd.	BUY	1.95	Ordinary	113,838	113,838
	Vanguard Investments Australia Ltd.	BUY	1.95	Ordinary	85,543	85,543
	Vanguard Investments Australia Ltd.	BUY	1.95	Ordinary	177,912	177,912
	Vanguard Investments Australia Ltd.	BUY	1.95	Ordinary Ordinary	975,252	975,252
	Vanguard Investments Australia Ltd.	BUY	1.95	/	9,527	9,527
	Vanguard Investments Australia Ltd.	BUY	1.95	Ordinary	456,709	456,709
	Vanguard Investments Australia Ltd.	BUY	1.95	Ordinary	1,064,518	1,064,518 316,935
	Vanguard Investments Australia Ltd.	BUY	1.95	Ordinary	316,935	· · · · · · · · · · · · · · · · · · ·
	Vanguard Investments Australia Ltd.	BUY	2.46	Ordinary	25,592	25,592
	Vanguard Investments Australia Ltd. Vanguard Investments Australia Ltd.	BUY	1.95	Ordinary Ordinary	2,736,443 27,420	2,736,443
	Vanguard Investments Australia Ltd. Vanguard Investments Australia Ltd.	BUY	2.49	Ordinary	36,520	27,420 36,520
	Vanguard Investments Australia Ltd. Vanguard Investments Australia Ltd.	BUY	2.63	Ordinary	21,681	21,681
	Vanguard Investments Australia Ltd.	BUY	2.63	Ordinary	29,280	29,280
	Vanguard Investments Australia Ltd.	BUY	2.67	Ordinary	22,020	22,020
	Vanguard Investments Australia Ltd.	BUY	2.71	Ordinary	18,350	18,350
	Vanguard Investments Australia Ltd. Vanguard Investments Australia Ltd.	BUY	2.71	Ordinary	209,675	209,675
	Vanguard Investments Australia Ltd.	BUY	2.74	Ordinary	27,525	27,525
	Vanguard Investments Australia Ltd.	BUY	2.79	Ordinary	204,178	204,178
	Vanguard Investments Australia Ltd.	BUY	2.71	Ordinary	25,215	25,215
	Vanguard Investments Australia Ltd.	BUY	2.71	Ordinary	130,563	130,563
	Vanguard Investments Australia Ltd.	BUY	2.71	Ordinary	27,570	27,570
	Vanguard Investments Australia Ltd.	BUY	2.70	Ordinary	29,266	29,266
	Vanguard Investments Australia Ltd.	SELL	2.74	Ordinary	(36,497)	(36,497)
	Vanguard Investments Australia Ltd.	BUY	1.95	Ordinary	3,963	3,963
	Vanguard Investments Australia Ltd.	SELL	2.82	Ordinary	(110,129)	(110,129)
	Vanguard Investments Australia Ltd.	BUY	2.80	Ordinary	27,615	27,615
	Vanguard Investments Australia Ltd.	BUY	2.80	Ordinary	22,092	22,092
	Vanguard Investments Australia Ltd.	SELL	2.80	/	(63,830)	(63,830)
	Vanguard Investments Australia Ltd.	SELL	2.74	Ordinary	(3,575)	(3,575)
	Vanguard Investments Australia Ltd.	BUY	2.74	Ordinary	27,690	27,690
	Vanguard Investments Australia Ltd.	BUY	2.67	Ordinary	37,300	37,300
	Vanguard Investments Australia Ltd.	BUY	2.80	Ordinary	18,660	18,660
	Vanguard Investments Australia Ltd.	BUY	2.79	Ordinary	27,915	27,915
	Vanguard Investments Australia Ltd.	BUY	2.79	Ordinary	3,710	3,710
	Vanguard Investments Australia Ltd.	SELL	2.91	Ordinary	(34,794)	(34,794)
	Vanguard Investments Australia Ltd.	SELL	2.91	Ordinary	(31,314)	(31,314)
	Vanguard Investments Australia Ltd.	BUY	2.75	Ordinary	41,906	41,906
	Vanguard Investments Australia Ltd.	SELL	2.91	Ordinary	(111,166)	(111,166)
	Vanguard Investments Australia Ltd.	SELL	2.73	Ordinary	(1,190,702)	(1,190,702)

This is Annexure A of 3 pages referred to in Form 605, Notice of ceasing to be a substantial holder.

Signature:

Signature.	
Name: Shawn Acker	
Capacity: Compliance Manager	
Capacity. Compliance Manager	
D	
Date: 13 July 2020	