Form 604

Corporations Act 2001 Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme OZ MINERALS LTD

ACN/ARSN 005 482 824

1. Details of substantial holder(1)

Name BlackRock Group (BlackRock Inc. and subsidiaries named in Annexures

ACN/ARSN (if applicable) to this form)

There was a change in the interests of the

substantial holder on $\frac{29 / 03 / 2018}{27 / 11 / 2017}$ The previous notice was given to the company on $\frac{27 / 11 / 2017}{23 / 11 / 2017}$ The previous notice was dated

2 Previous and present voting power

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in when last required, and when now required, to give a substantial holding notice to the company or scheme, are as follows:

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
ord	16,634,150	5.56	19,650,404	6.57

3. Changes in relevant interests

Particulars of each change in, or change in the nature of, a relevant interest of the substantial holder or an associate in voting securities of the company or scheme, since the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows:

Date of change	Person whose relevant interest changed	Nature of change (6)	Consideration given in relation to change (7)	Class and number of securities affected	Person's votes affected
	See Annexure A				

4. Present relevant interests

Particulars of each relevant interest of the substantial holder in voting securities after the change are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Nature of relevant interest (6)	Class and number of securities	Person's votes
	See Annexure B				

5. Changes in association

The persons who have become associates (2) of, ceased to be associates of, or have changed the nature of their association (9) with, the substantial holder in relation to voting interests in the company or scheme are as follows:

Name and ACN/ARSN (if applicable)	Nature of association

6. Addresses

The addresses of persons named in this form are as follows:

N ame	Address
Annexure C	

Signature

print name $_{\mbox{Maria}}$ Tricarico

capacity *Authorised Signatory

sign here

date 03 / 04 /2018

* At a meeting of the Board on 22 November 2013, the Directors resolved to approve the delegation of the preparation and lodgement of substantial shareholder notices on behalf of BlackRock Investment Management (Australia) Limited.

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 6 of the form.
- (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (3) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (4) The voting shares of a company constitute one class unless divided into separate classes.
- (5) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (6) 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.

- (7) 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, becom'e 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.
- (8) If the substantial holder is unable to determine the identity of the person (eg. if the relevant interest arises because of an option) write "unknown".
- (9) Give details, if appropriate, of the present association and any change in that association since the last substantial holding notice.

03-Apr-18

Maria Tricarico, Authorised Signatory

Date

5. Consideration

OZ MINERALS LTD (OZL)										
Date of Change	Person whose relevant interest changed BlackRock Advisors (UK) Limited	Consideration given in relation to		CCY	Class and number of securities affected		Person's votes affected			
24-Nov-17		in specie	n/a	AUD	ORD	-3,555	-3,55			
24-Nov-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	3,555	3,55			
24-Nov-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	3,805	3,80			
24-Nov-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ORD	-3,805	-3,80			
24-Nov-17	BlackRock Financial Management, Inc.	on mkt buy	8.52	AUD	ORD	8,111	8,11			
27-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.54	AUD	ORD	37,600	37,60			
28-Nov-17	BlackRock Fund Advisors	on mkt buy	8.47	AUD	ORD	45,808	45,80			
28-Nov-17	BlackRock Fund Advisors	on mkt buy	8.47	AUD	ORD	1,606	1,60			
28-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.47	AUD	ORD	40,608	40,60			
28-Nov-17	BlackRock Institutional Trust Company, National Association	on mkt sell	8.48	AUD	ORD	-855	-85			
28-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt sell	8.48	AUD	ORD	-3,489	-3,48			
29-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-3,090	-3,09			
29-Nov-17	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	920	92			
29-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.53	AUD	ORD	15,792	15,79			
29-Nov-17	BlackRock Institutional Trust Company, National Association	on mkt sell	8.51	AUD	ORD	-1,702	-1,70			
29-Nov-17	BlackRock Institutional Trust Company, National Association	on mkt sell	8.51	AUD	ORD	-1,057	-1,0			
29-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt sell	8.51	AUD	ORD	-2,511	-2,51			
30-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt sell	8.35	AUD	ORD	-13,134	-13,13			
30-Nov-17	BlackRock Institutional Trust Company, National Association	on mkt buy	8.35	AUD	ORD	16,668	16,60			
30-Nov-17	BlackRock Institutional Trust Company, National Association	on mkt sell	8.35	AUD	ORD	-7,033	-7,03			
30-Nov-17	BlackRock Fund Advisors	on mkt sell	8.35	AUD	ORD	-14,454	-14,4			
30-Nov-17	BlackRock Institutional Trust Company, National Association	on mkt sell	8.35	AUD	ORD	-4,390	-4,39			
30-Nov-17	BlackRock (Netherlands) B.V.	on mkt sell	8.35	AUD	ORD	-2,854	-2,8			
30-Nov-17	BlackRock Financial Management, Inc.	on mkt buy	8.35	AUD	ORD	6,078	6,07			
30-Nov-17	BlackRock Institutional Trust Company, National Association	on mkt sell	8.35	AUD	ORD	-6,165	-6,10			
30-Nov-17	BlackRock Institutional Trust Company, National Association	on mkt sell	8.32	AUD	ORD	-931	-93			
30-Nov-17	BlackRock Investment Management (Australia) Limited	on mkt sell	8.32	AUD	ORD	-16,464	-16,46			
01-Dec-17	BlackRock Institutional Trust Company, National Association	on mkt sell	8.40	AUD	ORD	-367	-30			
01-Dec-17	BlackRock Financial Management, Inc.	on mkt sell	8.40	AUD	ORD	-12,601	-12,60			
04-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-13,989	-13,98			
04-Dec-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-20,374	-20,37			
04-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ORD	-4,499	-4,49			
04-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ORD	-1,229	-1,22			
04-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.39	AUD	ORD	14,064	14,06			

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Date of Change	Person whose relevant interest changed	Consideration	of change (6) / n given in relation to ange (7)	CCY	Class and r securities		Person's votes affected
05-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt sell	8.27	AUD	ORD	-7,185	-7,185
05-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt sell	8.27	AUD	ORD	-156	-156
06-Dec-17	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ORD	1,935	1,935
06-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	7.96	AUD	ORD	2,256	2,256
06-Dec-17	BlackRock Institutional Trust Company, National Association	on mkt sell	7.97	AUD	ORD	-1,666	-1,666
06-Dec-17	BlackRock Institutional Trust Company, National Association	on mkt sell	7.97	AUD	ORD	-5,702	-5,702
06-Dec-17	BlackRock Institutional Trust Company, National Association	on mkt sell	7.97	AUD	ORD	-6,440	-6,440
06-Dec-17	BlackRock Advisors, LLC	on mkt buy	7.98	AUD	ORD	1,103	1,103
06-Dec-17	BlackRock Investment Management, LLC	on mkt buy	7.98	AUD	ORD	4,402	4,402
07-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,944	4,944
07-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,090	3,090
07-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt sell	7.96	AUD	ORD	-3,365	-3,365
08-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	4,499	4,499
08-Dec-17	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	1,229	1,229
08-Dec-17	BlackRock Institutional Trust Company, National Association	on mkt sell	7.91	AUD	ORD	-266	-266
11-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,090	3,090
11-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,326	4,326
11-Dec-17	BlackRock Institutional Trust Company, National Association	on mkt sell	8.10	AUD	ORD	-488	-488
12-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.11	AUD	ORD	7,411	7,411
12-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.11	AUD	ORD	262	262
13-Dec-17	BlackRock Investment Management	on mkt sell	8.12	AUD	ORD	-25,330	-25,330
13-Dec-17	(Australia) Limited BlackRock Investment Management (Australia) Limited	on mkt buy	8.12	AUD	ORD	39,688	39,688
13-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt sell	8.12	AUD	ORD	-39,688	-39,688
13-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,472	2,472
13-Dec-17	BlackRock Advisors, LLC	on mkt sell	8.12	AUD	ORD	-2,813	-2,813
13-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.12	AUD	ORD	16,771	16,771
13-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.13	AUD	ORD	31,045	31,045
14-Dec-17	BlackRock Institutional Trust Company, National Association	on mkt sell	8.24	AUD	ORD	-4,408	-4,408
15-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,326	4,326
15-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt sell	8.50	AUD	ORD	-4,585	-4,585
15-Dec-17	BlackRock Advisors, LLC	on mkt buy	8.50	AUD	ORD	5,418	5,418
15-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.50	AUD	ORD	4,902	4,902
15-Dec-17	BlackRock Institutional Trust Company, National Association	on mkt sell	8.47	AUD	ORD	-405	-405
18-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,834	-1,834
18-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,945	3,945
18-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.50	AUD	ORD	10,719	10,719
19-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.77	AUD	ORD	10,439	10,439
19-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.77	AUD	ORD	1,784	1,784
19-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.60	AUD	ORD	3,336	3,336
19-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.60	AUD	ORD	3,552	3,552
19-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.61	AUD	ORD	5,201	5,201
19-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.61	AUD	ORD	889	889

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Date of Change	Person whose relevant interest changed	Consideration g	change (6) / jiven in relation to nge (7)	CCY	Class and r securities		Person's votes affected
20-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.84	AUD	ORD	1,171	1,171
20-Dec-17	BlackRock Institutional Trust Company, National Association	on mkt buy	8.85	AUD	ORD	2,107	2,107
20-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.85	AUD	ORD	17,950	17,950
20-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.85	AUD	ORD	1,883	1,883
20-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.85	AUD	ORD	55,615	55,615
20-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.85	AUD	ORD	66,457	66,457
20-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.85	AUD	ORD	10,350	10,350
20-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.85	AUD	ORD	28,650	28,650
21-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,600	2,600
22-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	6,180	6,180
22-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,472	2,472
22-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	8.99	AUD	ORD	4,490	4,490
27-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	13,392	13,392
27-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt sell	9.08	AUD	ORD	-11,555	-11,555
27-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt sell	9.08	AUD	ORD	-3,417	-3,417
28-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt sell	9.15	AUD	ORD	-859	-859
28-Dec-17	BlackRock Institutional Trust Company, National Association	on mkt sell	9.10	AUD	ORD	-537	-537
28-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	9.10	AUD	ORD	36,052	36,052
28-Dec-17	BlackRock Investment Management (Australia) Limited	on mkt buy	9.10	AUD	ORD	29,203	29,203
29-Dec-17	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,472	2,472
29-Dec-17	BlackRock Institutional Trust Company, National Association	on mkt sell	9.16	AUD	ORD	-4,441	-4,441
29-Dec-17 02-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.16	AUD	ORD	-2,256	-2,256
	BlackRock Investment Management (Australia) Limited	on mkt buy	9.20	AUD	ORD	778	778
03-Jan-18	BlackRock Fund Advisors BlackRock Fund Advisors	in specie	n/a	AUD AUD	ORD ORD	-11,718	-11,718
03-Jan-18 03-Jan-18	BlackRock Investment Management	in specie on mkt buy	n/a 9.23	AUD	ORD	2,472 20,271	2,472 20,271
03-Jan-18	(Australia) Limited BlackRock Investment Management	on mkt buy	9.23	AUD	ORD	12,311	12,311
03-Jan-18	(Australia) Limited BlackRock Fund Advisors		9.23 n/a	AUD	ORD	2,472	2,472
04-Jan-18	BlackRock Fund Advisors	in specie in specie	n/a	AUD	ORD	-8,370	-8,370
04-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,800	7,800
04-Jan-18	BlackRock Advisors, LLC	on mkt sell	9.17	AUD	ORD	-4,674	-4,674
04-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.18	AUD	ORD	5,442	5,442
04-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.18	AUD	ORD	1,246	1,246
05-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,820	1,820
08-Jan-18	BlackRock Advisors, LLC	on mkt sell	9.22	AUD	ORD	-1,073	-1,073
08-Jan-18	BlackRock Investment Management, LLC		9.22	AUD	ORD	-2,328	-2,328
09-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,090	3,090
09-Jan-18 09-Jan-18	BlackRock Fund Advisors BlackRock Investment Management	in specie on mkt sell	n/a 9.15	AUD AUD	ORD ORD	-843	819 -843
09-Jan-18	(Australia) Limited BlackRock Institutional Trust Company,	on mkt buy	9.16	AUD	ORD	1,166	1,166
09-Jan-18	National Association BlackRock Investment Management	on mkt buy	9.16	AUD	ORD	8,271	8,271
00 1- 40	(Australia) Limited	an malet le	0.45	ALID	000	0.007	0.00
09-Jan-18 09-Jan-18	BlackRock Advisors, LLC BlackRock Investment Management (Australia) Limited	on mkt buy on mkt buy	9.15 9.16	AUD	ORD ORD	6,024 472	6,024 472
09-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	9.15	AUD	ORD	14,010	14,010

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Date of Change	Person whose relevant interest changed	Consideration of	change (6) / given in relation to nge (7)	CCY	Class and r securities		Person's votes affected
09-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	9.15	AUD	ORD	3,893	3,893
09-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	9.15	AUD	ORD	13,225	13,225
09-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	9.15	AUD	ORD	4,592	4,592
10-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,200	5,200
10-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.00	AUD	ORD	-670	-670
10-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	8.95	AUD	ORD	708	708
10-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	8.95	AUD	ORD	21,677	21,677
10-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	8.95	AUD	ORD	26,622	26,622
10-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	8.95	AUD	ORD	10,357	10,357
11-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,326	4,326
11-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt sell	8.88	AUD	ORD	-303	-303
11-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	8.89	AUD	ORD	655	655
11-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	8.89	AUD	ORD	2,327	2,327
11-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	8.89	AUD	ORD	310	310
12-Jan-18	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	-740	-740
12-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,600	2,600
12-Jan-18	BlackRock Advisors, LLC	on mkt sell	8.93	AUD	ORD	-7,835	-7,835
12-Jan-18	BlackRock Investment Management, LLC	on mkt sell	8.93	AUD	ORD	-10,179	-10,179
12-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	8.94	AUD	ORD	554	554
12-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	8.94	AUD	ORD	1,969	1,969
12-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	8.94	AUD	ORD	13,350	13,350
12-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	8.94	AUD	ORD	3,252	3,252
12-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	8.94	AUD	ORD	12,816	12,816
16-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	9,360	9,360
16-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.08	AUD	ORD	52,981	52,981
16-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.08	AUD	ORD	77,535	77,535
17-Jan-18	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	-48,659	-48,659
17-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,120	3,120
17-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,708	3,708
17-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	910	910
17-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,093	2,093
17-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.17	AUD	ORD	-15,826	-15,826
17-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.20	AUD	ORD	14,748	14,748
17-Jan-18	BlackRock Advisors, LLC	on mkt buy	9.19	AUD	ORD	3,619	3,619
17-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.20	AUD	ORD	11,808	11,808
17-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	9.19	AUD	ORD	6,176	6,176
17-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.20	AUD	ORD	4,023	4,023
17-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.20	AUD	ORD	1,354	1,354
17-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.24	AUD	ORD	25,275	25,275
17-Jan-18 17-Jan-18	BlackRock Advisors, LLC BlackRock Investment Management, LLC	on mkt sell	9.20 9.20	AUD	ORD ORD	-5,606 -4,214	-5,606 -4,214
18-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.14	AUD	ORD	-23,514	-23,514

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Date of Change	Person whose relevant interest changed	Consideration g	change (6) / liven in relation to lige (7)	CCY	Class and r securities		Person's votes affected
18-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.17	AUD	ORD	46,554	46,554
18-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.17	AUD	ORD	4,689	4,689
19-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,680	4,680
19-Jan-18	BlackRock Investment Management, LLC	on mkt sell	9.09	AUD	ORD	-3,281	-3,281
19-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	9.09	AUD	ORD	8,385	8,385
19-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	9.09	AUD	ORD	7,558	7,558
22-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	9.12	AUD	ORD	266	266
23-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,120	3,120
23-Jan-18	BlackRock Investment Management	on mkt buy	9.20	AUD	ORD	17,996	17,996
	(Australia) Limited						
23-Jan-18	BlackRock Advisors, LLC	on mkt buy	9.20	AUD	ORD	2,508	2,508
23-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.20	AUD	ORD	1,936	1,936
23-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	9.20	AUD	ORD	6,134	6,134
24-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,800	7,800
24-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	450	450
24-Jan-18	BlackRock Fund Advisors	on mkt buy	9.11	AUD	ORD	3,413	3,413
24-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	9.11	AUD	ORD	1,393	1,393
24-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	9.11	AUD	ORD	1,230	1,230
24-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt buy	9.11	AUD	ORD	1,451	1,451
24-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.11	AUD	ORD	42,339	42,339
24-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.11	AUD	ORD	26,106	26,106
24-Jan-18	BlackRock Advisors, LLC	on mkt sell	9.11	AUD	ORD	-718	-718
25-Jan-18	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-14,750	-14,750
25-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,600	2,600
25-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.24	AUD	ORD	14,926	14,926
25-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.24	AUD	ORD	1,792	1,792
26-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,708	3,708
26-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,708	3,708
29-Jan-18	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	-3,310	-3,310
29-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	18,414	18,414
29-Jan-18	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	740	740
29-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	644	644
30-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,200	5,200
30-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,900	3,900
30-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.40	AUD	ORD	2,250	2,250
30-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.39	AUD	ORD	9,790	9,790
30-Jan-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.39	AUD	ORD	1,400	1,400
31-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-5,022	-5,022
31-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	15,340	15,340
31-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	18,720	18,720
31-Jan-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,800	7,800
31-Jan-18 31-Jan-18	BlackRock Fund Advisors BlackRock Fund Advisors	in specie	n/a	AUD AUD	ORD ORD	11,180 4,680	11,180
31-Jan-18	BlackRock Fund Advisors	in specie in specie	n/a n/a	AUD	ORD	9,100	4,680 9,100
31-Jan-18	BlackRock Fund Advisors BlackRock Institutional Trust Company, National Association	on mkt sell	9.35	AUD	ORD	-18,773	-18,773
31-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.31	AUD	ORD	-13,977	-13,977
31-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.31	AUD	ORD	-1,230	-1,230
31-Jan-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.31	AUD	ORD	-1,451	-1,451

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Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
nkt buy	9.30	AUD	ORD	2,284	2,284
nkt buy	9.31	AUD	ORD	30,976	30,976
nkt buy	9.30	AUD	ORD	22,058	22,058
ecie	n/a	AUD	ORD	-1,290	-1,290
ecie	n/a	AUD	ORD	3,900	3,900
ecie	n/a	AUD	ORD	8,320	8,320
ecie ·	n/a	AUD	ORD	2,600	2,600
ecie	n/a 9.34	AUD AUD	ORD ORD	9,100	9,100 -294
nkt sell				-294	
nkt sell	9.34	AUD	ORD	-2,388	-2,388
ecie	n/a	AUD	ORD	65,511	65,511
ecie	n/a	AUD	ORD	-65,511	-65,511
ecie	n/a	AUD	ORD	3,900	3,900
nkt buy	9.38	AUD	ORD	71,522	71,522
nkt sell	9.36	AUD	ORD	-666	-666
nkt sell	9.36	AUD	ORD	-2,468	-2,468
nkt sell	8.98	AUD	ORD	-28,345	-28,345
nkt sell	9.07	AUD	ORD	-418	-418
nkt sell	9.07	AUD	ORD	-1,638	-1,638
ecie	n/a	AUD	ORD	-1,633	-1,633
ecie	n/a	AUD	ORD	4,944	4,944
ecie	n/a	AUD	ORD	3,900	3,900
nkt buy	9.09	AUD	ORD	18,250	18,250
nkt buy	9.09	AUD	ORD	60,662	60,662
ecie	n/a	AUD	ORD	3,900	3,900
ecie	n/a	AUD	ORD	1,854	1,854
nkt sell	8.85	AUD	ORD	-436	-436
nkt buy	8.83	AUD	ORD	9,236	9,236
ecie	n/a	AUD	ORD	1,633	1,633
ecie	n/a	AUD	ORD	364	364
nkt sell	8.76	AUD	ORD	-6,229	-6,229
nkt sell	8.76	AUD	ORD	-5,772	-5,772
nkt sell	8.76	AUD	ORD	-2,551	-2,551
nkt sell nkt buy	8.61 8.61	AUD AUD	ORD ORD	-67,195 3,704	-67,195 3,704
nkt buy	8.65	AUD	ORD	3,509	3,509
ecie	n/a	AUD	ORD	-8,590	-8,590
pecie	n/a	AUD AUD	ORD ORD	3,120	3,120
ecie ecie	n/a n/a	AUD	ORD	5,200 3,090	5,200 3,090
ecie	n/a	AUD	ORD	3,900	3,900
nkt sell	8.81	AUD	ORD	-2,160	-2,160
pecie	n/a	AUD	ORD	-1,360	-1,360
nkt buy	9.11	AUD	ORD	11,127	11,127
nkt buy	9.09	AUD	ORD	31,615	31,615
nkt buy	9 11	AUD	ORD	32 695	32,695
nk nk	ct buy	xt buy 9.11 xt buy 9.09	xt buy 9.11 AUD xt buy 9.09 AUD	tt buy 9.11 AUD ORD tt buy 9.09 AUD ORD	tt buy 9.11 AUD ORD 11,127 tt buy 9.09 AUD ORD 31,615

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Date of Change	Person whose relevant interest changed	Consideration	ature of change (6) / eration given in relation to CCY change (7) Class and number of securities affected			Person's votes affected	
15-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.09	AUD	ORD	2,560	2,560
15-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.11	AUD	ORD	2,966	2,966
15-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.11	AUD	ORD	33,519	33,519
15-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.11	AUD	ORD	2,505	2,505
15-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.09	AUD	ORD	-1,182	-1,182
15-Feb-18	BlackRock Investment Management (UK) Limited	on mkt buy	9.09	AUD	ORD	445,000	445,000
16-Feb-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,290	1,290
16-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.24	AUD	ORD	-195	-195
16-Feb-18	BlackRock Investment Management (UK) Limited	on mkt buy	9.24	AUD	ORD	370,000	370,000
19-Feb-18	BlackRock Investment Management (UK) Limited	on mkt buy	9.18	AUD	ORD	220,000	220,000
20-Feb-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,708	3,708
20-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt sell	8.98	AUD	ORD	-1,730	-1,730
20-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy	8.98	AUD	ORD	6,131	6,131
20-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy	8.98	AUD	ORD	228	228
20-Feb-18	BlackRock Investment Management (UK) Limited	on mkt buy	8.98	AUD	ORD	302,550	302,550
21-Feb-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,280	7,280
21-Feb-18	BlackRock Investment Management (UK) Limited	on mkt buy	8.94	AUD	ORD	162,450	162,450
21-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy	8.94	AUD	ORD	36,532	36,532
22-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.39	AUD	ORD	-10,818	-10,818
22-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.39	AUD	ORD	14,445	14,445
22-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.39	AUD	ORD	1,861	1,861
22-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt buy	9.40	AUD	ORD	1,431	1,431
22-Feb-18	BlackRock Investment Management (UK) Limited	on mkt buy	9.40	AUD	ORD	4,256	4,256
23-Feb-18	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ORD	-1,935	-1,935
23-Feb-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	546	546
23-Feb-18	BlackRock Advisors (UK) Limited	on mkt sell	9.84	AUD	ORD	-3,438	-3,438
23-Feb-18	BlackRock Advisors, LLC	on mkt sell	9.84	AUD	ORD	-2,508	-2,508
23-Feb-18	BlackRock Advisors (UK) Limited	on mkt sell	9.84	AUD	ORD	-4,320	-4,320
23-Feb-18	BlackRock Advisors (UK) Limited	on mkt sell	9.84	AUD	ORD	-3,434	-3,434
26-Feb-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,236	1,236
26-Feb-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,367	3,367
26-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.80	AUD	ORD	3,000	3,000
26-Feb-18	BlackRock Advisors, LLC	on mkt sell	9.82	AUD	ORD	-1,081	-1,081
26-Feb-18	BlackRock Investment Management, LLC		9.82	AUD	ORD	-9,506	-9,506
27-Feb-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,020	7,020
27-Feb-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,820	1,820
27-Feb-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,090	3,090
27-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.87	AUD	ORD	-878	-878
27-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.86	AUD	ORD	-45,812	-45,812
27-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.86	AUD	ORD	-34,569	-34,569
28-Feb-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,090	3,090
28-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.64	AUD	ORD	-551	-551
28-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.64	AUD	ORD	5,209	5,209
28-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.74	AUD	ORD	-483	-483

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Date of Change	Person whose relevant interest changed	Nature of c Consideration gi chan	ven in relation to	CCY	Class and i securities		Person's votes affected
28-Feb-18	BlackRock Investment Management, LLC	on mkt sell	9.71	AUD	ORD	-5,303	-5,303
28-Feb-18	BlackRock Advisors (UK) Limited	on mkt sell	9.73	AUD	ORD	-9,134	-9,134
28-Feb-18	BlackRock Investment Management	on mkt sell	9.74	AUD	ORD	-37,555	-37,555
00 F-1-40	(Australia) Limited	an malet and	0.70	ALID	ODD	0.000	0.000
28-Feb-18	BlackRock Japan Co., Ltd.	on mkt sell	9.73	AUD	ORD	-6,222	-6,222
28-Feb-18	BlackRock Japan Co., Ltd.	on mkt sell	9.73	AUD	ORD	-3,869	-3,869
28-Feb-18	BlackRock Japan Co., Ltd.	on mkt sell	9.73	AUD	ORD	-1,530	-1,530
28-Feb-18 28-Feb-18	BlackRock Advisors, LLC BlackRock Advisors, LLC	on mkt sell	9.73	AUD AUD	ORD ORD	-4,149 -6,878	-4,149 -6,878
28-Feb-18	BlackRock Financial Management, Inc.	on mkt sell on mkt sell	9.73 9.73	AUD	ORD	-1,561	-1,561
28-Feb-18	BlackRock Asset Management Canada	on mkt sell	9.73	AUD	ORD	-3,304	-3,304
28-Feb-18	Limited BlackRock Investment Management, LLC	on mkt sell	9.73	AUD	ORD	-1,583	-1,583
28-Feb-18	BlackRock Investment Management (UK)	on mkt sell	9.73	AUD	ORD	-1,520	-1,520
28-Feb-18	Limited BlackRock Institutional Trust Company,	on mkt sell	9.73	AUD	ORD	-3,290	-3,290
28-Feb-18	National Association BlackRock Investment Management, LLC	on mkt sell	9.74	AUD	ORD	-14,925	-14,925
28-Feb-18	BlackRock Financial Management, Inc.	on mkt sell	9.73	AUD	ORD	-11,558	-11,558
28-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.73	AUD	ORD	-13,781	-13,781
28-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.73	AUD	ORD	-3,471	-3,471
28-Feb-18	BlackRock Investment Management (UK) Limited	on mkt sell	9.73	AUD	ORD	-2,643	-2,643
28-Feb-18	BlackRock Advisors (UK) Limited	on mkt sell	9.73	AUD	ORD	-10,860	-10,860
28-Feb-18	BlackRock Advisors (UK) Limited	on mkt sell	9.73	AUD	ORD	-8,771	-8,771
28-Feb-18	BlackRock Investment Management	on mkt sell	9.74	AUD	ORD	-1,742	-1,742
28-Feb-18	(Australia) Limited BlackRock Investment Management	on mkt sell	9.74	AUD	ORD	-2,526	-2,526
28-Feb-18	(Australia) Limited BlackRock Institutional Trust Company, National Association	on mkt sell	9.73	AUD	ORD	-7,116	-7,116
28-Feb-18	BlackRock Japan Co., Ltd.	on mkt sell	9.74	AUD	ORD	-12,628	-12,628
28-Feb-18	BlackRock Financial Management, Inc.	on mkt sell	9.73	AUD	ORD	-2,721	-2,721
28-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.73	AUD	ORD	-8,051	-8,051
28-Feb-18	BlackRock International Limited	on mkt sell	9.73	AUD	ORD	-7,848	-7,848
01-Mar-18	BlackRock Investment Management	on mkt sell	9.52	AUD	ORD	-7,929	-7,929
01-Mar-18	(Australia) Limited BlackRock Investment Management	on mkt sell	9.52	AUD	ORD	-28,615	-28,615
	(Australia) Limited						
02-Mar-18	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ORD	-1,420	-1,420
02-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,854	1,854
02-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.56	AUD	ORD	-323	-323
02-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.58	AUD	ORD	-3,690	-3,690
02-Mar-18	BlackRock Financial Management, Inc.	on mkt sell	9.58	AUD	ORD	-1,457	-1,457
02-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.58	AUD	ORD	-8,399	-8,399
02-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.58	AUD	ORD	-8,788	-8,788
02-Mar-18	BlackRock Advisors (UK) Limited	on mkt sell	9.58	AUD	ORD	-8,123	-8,123
02-Mar-18	BlackRock Advisors, LLC	on mkt sell	9.58	AUD	ORD	-4,819	-4,819
02-Mar-18	BlackRock Advisors, LLC	on mkt sell	9.58	AUD	ORD	-7,228	-7,228
02-Mar-18	BlackRock Asset Management Canada Limited	on mkt sell	9.58	AUD	ORD	-4,562	-4,562
02-Mar-18	BlackRock International Limited	on mkt sell	9.58	AUD	ORD	-7,428	-7,428
02-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.58	AUD	ORD	-38,710	-38,710
02-Mar-18	BlackRock Investment Management, LLC	on mkt sell	9.58	AUD	ORD	-10,807	-10,807
02-Wai-10							
02-Mar-18	BlackRock Financial Management, Inc.	on mkt sell	9.58	AUD	ORD	-10,070	-10,070

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Date of Change	Person whose relevant interest changed	Consideration g	change (6) / given in relation to nge (7)	CCY	Class and r securities		Person's votes affected
02-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.58	AUD	ORD	-14,082	-14,082
02-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.58	AUD	ORD	-4,735	-4,735
02-Mar-18	BlackRock Advisors (UK) Limited	on mkt sell	9.58	AUD	ORD	-13,604	-13,604
02-Mar-18	BlackRock Advisors (UK) Limited	on mkt sell	9.58	AUD	ORD	-10,664	-10,664
02-Mar-18	BlackRock Institutional Trust Company,	on mkt sell	9.58	AUD	ORD	-5,820	-5,820
05-Mar-18	National Association BlackRock Institutional Trust Company,	in specie	n/a	AUD	ORD	-8,017	-8,017
05 M 40	National Association		/-	ALID	ODD	F 000	5.000
05-Mar-18 05-Mar-18	BlackRock Fund Advisors BlackRock Fund Advisors	in specie	n/a n/a	AUD AUD	ORD ORD	5,200 4,944	5,200
05-Mar-18	BlackRock Fund Advisors	in specie in specie	n/a	AUD	ORD	1,092	4,944 1,092
						· · · · · · · · · · · · · · · · · · ·	
05-Mar-18	BlackRock Advisors, LLC	on mkt buy	9.56	AUD	ORD	120,000	120,000
05-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.52	AUD	ORD	-3,755	-3,755
05-Mar-18	BlackRock Investment Management, LLC	on mkt buy	9.56	AUD	ORD	7,232	7,232
06-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	16,740	16,740
06-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,708	3,708
06-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	6,500	6,500
06-Mar-18	BlackRock Advisors (UK) Limited	on mkt sell	9.71	AUD	ORD	-17,684	-17,684
06-Mar-18	BlackRock Investment Management	on mkt sell	9.72	AUD	ORD	-32,957	-32,957
07.14	(Australia) Limited				000	10.500	10.500
07-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	19,500	19,500
07-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,200	5,200
07-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.75	AUD	ORD	-1,977	-1,977
07-Mar-18	BlackRock Investment Management, LLC	on mkt sell	9.75	AUD	ORD	-2,213	-2,213
07-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.75	AUD	ORD	-2,701	-2,701
07-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.75	AUD	ORD	-10,315	-10,315
07-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.75	AUD	ORD	-58,323	-58,323
07-Mar-18	BlackRock Japan Co., Ltd.	on mkt sell	9.75	AUD	ORD	-4,479	-4,479
07-Mar-18	BlackRock Japan Co., Ltd.	on mkt sell	9.75	AUD	ORD	-2,393	-2,393
07-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.75	AUD	ORD	-14,983	-14,983
07-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.75	AUD	ORD	-18,604	-18,604
07-Mar-18	BlackRock Investment Management, LLC	on mkt sell	9.75	AUD	ORD	-21,658	-21,658
07-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.75	AUD	ORD	-71,036	-71,036
07-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.75	AUD	ORD	-22,014	-22,014
07-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.75	AUD	ORD	-4,141	-4,141
08-Mar-18	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	1,420	1,420
08-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	34,320	34,320
08-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,680	4,680
08-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.73	AUD	ORD	-7,810	-7,810
09-Mar-18	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	-1,085	-1,085
09-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,944	4,944
09-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	728	728
09-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.45	AUD	ORD	-944	-944
09-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.45	AUD	ORD	-2,968	-2,968
09-Mar-18	BlackRock Advisors, LLC	on mkt sell	9.45	AUD	ORD	-3,563	-3,563
09-Mar-18	BlackRock Advisors, LLC	on mkt sell	9.45	AUD	ORD	-5,794	-5,794
09-Mar-18	BlackRock Institutional Trust Company,	on mkt sell	9.45	AUD	ORD	-72,927	-72,927
	National Association					· 	
09-Mar-18	BlackRock Investment Management, LLC	on mkt sell	9.43	AUD	ORD	-24,569	-24,569
09-Mar-18	BlackRock Financial Management, Inc.	on mkt sell	9.45	AUD	ORD	-6,900	-6,900

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Date of Change	Person whose relevant interest changed	Consideration	change (6) / given in relation to nge (7)	CCY	Class and r securities		Person's votes affected
09-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.45	AUD	ORD	-15,248	-15,248
09-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.45	AUD	ORD	-4,187	-4,187
09-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.45	AUD	ORD	-6,374	-6,374
09-Mar-18	BlackRock International Limited	on mkt sell	9.45	AUD	ORD	-8,455	-8,455
12-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,854	1,854
12-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,708	3,708
12-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.41	AUD	ORD	-41,653	-41,653
13-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,800	7,800
13-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.20	AUD	ORD	-3,850	-3,850
13-Mar-18	BlackRock Investment Management, LLC	on mkt sell	9.20	AUD	ORD	-4,587	-4,587
13-Mar-18	BlackRock Investment Management (UK) Limited	on mkt sell	9.20	AUD	ORD	-1,377	-1,377
13-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.20	AUD	ORD	-1,353	-1,353
13-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.20	AUD	ORD	-1,975	-1,975
13-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.18	AUD	ORD	-25,053	-25,053
13-Mar-18	BlackRock Advisors, LLC	on mkt sell	9.20	AUD	ORD	-9,258	-9,258
13-Mar-18	BlackRock Advisors, LLC	on mkt sell	9.20	AUD	ORD	-3,681	-3,681
13-Mar-18	BlackRock Financial Management, Inc.	on mkt sell	9.20	AUD	ORD	-7,953	-7,953
13-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.20	AUD	ORD	-30,852	-30,852
13-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.20	AUD	ORD	-14,792	-14,792
13-Mar-18	BlackRock International Limited	on mkt sell	9.22	AUD	ORD	-4,174	-4,174
13-Mar-18	BlackRock Japan Co., Ltd.	on mkt sell	9.22	AUD	ORD	-6,629	-6,629
14-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,600	2,600
14-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.19	AUD	ORD	4,326	4,326
15-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	16,740	16,740
15-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,900	3,900
15-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,120	3,120
15-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.38	AUD	ORD	-6,232	-6,232
15-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.35	AUD	ORD	-7,616	-7,616
16-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.35	AUD	ORD	-12,700	-12,700
19-Mar-18	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ORD	-682	-682
19-Mar-18	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ORD	-1,855	-1,855
19-Mar-18	BlackRock Investment Management, LLC	on mkt sell	9.43	AUD	ORD	-19,408	-19,408
19-Mar-18	BlackRock Investment Management, LLC		9.39	AUD	ORD	5,698	5,698
20-Mar-18	BlackRock Investment Management, LLC		9.25	AUD	ORD	-2,499	-2,499
20-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.25	AUD	ORD	-1,747	-1,747
21-Mar-18	Limited	in specie	n/a	AUD	ORD	-2,865	-2,865
21-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.35	AUD	ORD	1,125	1,125
21-Mar-18	BlackRock Investment Management, LLC	on mkt sell	9.36	AUD	ORD	-23,205	-23,205
22-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,090	3,090
23-Mar-18	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	1,855	1,855
23-Mar-18	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	682	682
23-Mar-18	BlackRock Investment Management (UK) Limited	on mkt sell	9.04	AUD	ORD	-5,434	-5,434
26-Mar-18	BlackRock Investment Management, LLC	on mkt sell	8.96	AUD	ORD	-5,532	-5,532
27-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-15,066	-15,066

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Date of Change	Person whose relevant interest changed	Consideration g	change (6) / iven in relation to ige (7)	CCY	Class and securities		Person's votes affected
27-Mar-18	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	1,085	1,085
27-Mar-18	BlackRock Advisors (UK) Limited	on mkt buy	9.10	AUD	ORD	14,127	14,127
28-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	9.02	AUD	ORD	480,000	480,000
28-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.02	AUD	ORD	5,659	5,659
28-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.02	AUD	ORD	3,753	3,753
28-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	9.00	AUD	ORD	328,847	328,847
29-Mar-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,820	1,820
29-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	8.99	AUD	ORD	-3,581	-3,581
29-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	9.02	AUD	ORD	74,406	74,406
29-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	9.02	AUD	ORD	438	438
29-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	9.02	AUD	ORD	244,671	244,671
29-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	9.02	AUD	ORD	1,441	1,441
29-Mar-18	BlackRock Advisors, LLC	on mkt sell	9.01	AUD	ORD	-3,374	-3,374

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Maria Tricarico, Date
Authorised Signatory

4. Details of present registered holders

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and n Securi		Person's votes	Nature of Association
BlackRock (Netherlands) B.V.	SSB-SSB NEW YORK INSTITUTIONAL		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	44,992	44,992	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	BNYM-BONY EUROPE - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	399,107	399,107	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	SSB-STATE STREET DUBLIN		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	14,127	14,127	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	STATE STREET BANK, MUNICH, ZURICH BRANCH		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	31,103	31,103	Subsidiary of BlackRock, Inc.
BlackRock Advisors, LLC	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	10,168	10,168	Subsidiary of BlackRock, Inc.
BlackRock Advisors, LLC	BNYM-THE BANK OF NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	123,263	123,263	Subsidiary of BlackRock, Inc.
BlackRock Asset Management Canada Limited	SSB-STATE STREET SACRAMENTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	20,787	20,787	Subsidiary of BlackRock, Inc.
BlackRock Asset Management North Asia Limited	CITI-CITIBANK, HONG KONG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	224	224	Subsidiary of BlackRock, Inc.

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Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)		nd number of curities	Person's votes	Nature of Association
BlackRock Asset Management North Asia Limited	HSBC-HSBC, HONG KONG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	1,538	1,538	Subsidiary of BlackRock, Inc.
BlackRock Financial Management, Inc.	BNYM-THE BANK OF NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	51,973	51,973	Subsidiary of BlackRock, Inc.
BlackRock Financial Management, Inc.	SSB-STATE STATE HONG KONG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	108,840	108,840	Subsidiary of BlackRock, Inc.
BlackRock Fund Advisors	SSB-STATE STREET BANK, BOSTON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	39,583	39,583	Subsidiary of BlackRock, Inc.
BlackRock Fund Advisors	SSB-STATE STREET SACRAMENTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	2,855,800	2,855,800	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	BNYM-THE BANK OF NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	15,747	15,747	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	7,700	7,700	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	315,897	315,897	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	RBC-ROYAL TRUST - TORONTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	3,666	3,666	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-SSB BOSTON INSTITUTIONAL		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	4,938	4,938	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-SSB NEW YORK INSTITUTIONAL		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	276,843	276,843	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-STATE STREET BANK, BOSTON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	14,488	14,488	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-STATE STREET SACRAMENTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	1,413,593	1,413,593	Subsidiary of BlackRock, Inc.

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Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)		d number of curities	Person's votes	Nature of Association
BlackRock Institutional Trust Company, National Association	UBS- UBS- ZURICH		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	66,767	66,767	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	128,454	128,454	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	HSBC-HSBC SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	186,379	186,379	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	JPM-JPM CHASE - SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	320,341	320,341	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	1,446,711	1,446,711	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	Northern Trust Singapore		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	194,735	194,735	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	UBS- UBS- ZURICH		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	432,363	432,363	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNYM-BANK OF NY BRUS		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	96,311	96,311	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNYM-BONY EUROPE - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	1,822,909	1,822,909	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNYM-BONY LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	6,807,954	6,807,954	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	15,879	15,879	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	CITI-CITIBANK INTERNATIONAL PLC (LUXEMBOURG BRANCH		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	17,119	17,119	Subsidiary of BlackRock, Inc.

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Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)		l number of urities	Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	CITI-CITIBANK, LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	254,693	254,693	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	HSBC-HSBC - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	122,565	122,565	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	JPM-JPM CHASE - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	4,256	4,256	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	NT-NORTHERN TRUST UK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	208,084	208,084	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	SSB-STATE STREET BANK LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	1,482	1,482	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	BNYM-BONY LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	1,100	1,100	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	BNYM-THE BANK OF NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	67,764	67,764	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	18,845	18,845	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	SSB-STATE STREET BANK LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	2,924	2,924	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	UNION BANK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	21,573	21,573	Subsidiary of BlackRock, Inc.
BlackRock Japan Co., Ltd.	JPM-JPM CHASE - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	22,682	22,682	Subsidiary of BlackRock, Inc.
BlackRock Japan Co., Ltd.	MITSUI-SUMITOMO TRUST		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	18,812	18,812	Subsidiary of BlackRock, Inc.

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Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)		d number of urities	Person's votes	Nature of Association
BlackRock Investment Management (Australia) Limited	CITI-Citigroup Australia - SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	ORD	38,405	38,405	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	JPM-JPM CHASE - SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	ORD	262,787	262,787	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	ORD	305,050	305,050	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	SSB-STATE STREET AUSTRALIA		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	ORD	111,614	111,614	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	JPM-JPM CHASE - SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as responsible entity.	ORD	897,469	897,469	Subsidiary of BlackRock, Inc.

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This is Annexure C of 1 page referred to in form 604 Notice of change of interests of substantial shareholder

	03-Apr-18
Maria Tricarico,	Date
Authorised Signatory	

7. Addresses

The addresses of persons named in this form are as follows:

Name	Address
BlackRock Group	
BlackRock Inc.	55 East 52nd Street
	New York NY 10055 USA
BlackRock (Netherlands) B.V.	Rembrandt Tower, 17th floor
	Amstelplein
	Amsterdam Netherlands
BlackRock Advisors (UK) Limited	12 Throgmorton Avenue.
	London, EC2N 2DL,
	United Kingdom
BlackRock Advisors, LLC	1209 Orange Street,
	Wilmington, New Castle County,
	Delaware 19801, United States
BlackRock Asset Management Canada Limited	161 Bay Street, Suite 2500
	Toronto, Ontario M5J 2S1
	Canada
BlackRock Asset Management North Asia Limited	15/F, 16/F, 17/F Citibank Tower & 17/F ICBC Tower,
	3 Garden Road, Central, Hong Kong
BlackRock Financial Management, Inc.	1209 Orange Street,
	Wilmington, New Castle County,
	Delaware 19801, United States
BlackRock Fund Advisors	400 Howard Street
	San Francisco, CA, 94105
	United States
BlackRock Institutional Trust Company, National	1225 17th Street,
Association	Suite 300,
	Denver, CO 80202 (Colorado, USA)
BlackRock International Limited	Exchange Place One,
	1 Semple Street,
	Edinburgh, EH3 8BL,
	United Kingdom (Scotland, United Kingdom)
BlackRock Investment Management (Australia) Limited	Level 26, 101 Collins Street
	Melbourne VIC 3000
	Australia (Victoria, Australia)
BlackRock Investment Management (UK) Limited	12 Throgmorton Avenue
	London EC2N 2DL
	United Kingdom
BlackRock Investment Management, LLC	1209 Orange Street,
	Wilmington, New Castle County,
	Delaware 19801, United States
BlackRock Japan Co., Ltd.	Marunouchi Trust Tower Main,
	1-8-3 Marunouchi,
	Chiyoda-ku, Tokyo 100-8217 (Japan)

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