

Form 604

Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme CSR LTD

ACN/ARSN 000 001 276

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 05 / 12 / 2019

The previous notice was given to the company on 22 / 08 / 2019

The previous notice was dated 20 / 08 / 2019

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	41,351,362	8.30	35,740,411	7.27

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:

Name	Address
Annexure C	

Signature

print name Maria Tricarico

capacity *Authorised Signatory

sign here

date 09 / 12 / 2019

* 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, 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.
- (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.

This is Annexure A of 13 pages referred to in form 604 Notice of change of interests of substantial shareholder

09-Dec-19

Maria Tricarico,
Authorised Signatory

Date

5. Consideration

CSR LTD (CSR)							
Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
21-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.99	AUD	ORD	-5,361	-5,361
21-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.99	AUD	ORD	-17,050	-17,050
21-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell	3.99	AUD	ORD	-8,886	-8,886
21-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell	3.99	AUD	ORD	-3,953	-3,953
21-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell	3.99	AUD	ORD	-6,531	-6,531
21-Aug-19	BlackRock Investment Management, LLC	on mkt sell	3.99	AUD	ORD	-5,068	-5,068
21-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.99	AUD	ORD	-25,785	-25,785
21-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.99	AUD	ORD	-46,887	-46,887
21-Aug-19	BlackRock Fund Advisors	on mkt buy	4.00	AUD	ORD	56,209	56,209
21-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.00	AUD	ORD	1,740	1,740
22-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.00	AUD	ORD	-6,277	-6,277
22-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.00	AUD	ORD	-15,667	-15,667
22-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.00	AUD	ORD	-3,938	-3,938
22-Aug-19	BlackRock Advisors, LLC	on mkt sell	4.00	AUD	ORD	-13,500	-13,500
22-Aug-19	BlackRock Advisors, LLC	on mkt sell	4.00	AUD	ORD	-3,852	-3,852
22-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.00	AUD	ORD	-75,177	-75,177
22-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.00	AUD	ORD	-8,148	-8,148
22-Aug-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.00	AUD	ORD	-3,791	-3,791
22-Aug-19	BlackRock Asset Management Canada Limited	on mkt sell	4.00	AUD	ORD	-13,107	-13,107
22-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.00	AUD	ORD	-31,705	-31,705
22-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.00	AUD	ORD	-21,676	-21,676
22-Aug-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,380	-10,380
23-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.03	AUD	ORD	-5,823	-5,823
23-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.03	AUD	ORD	-11,929	-11,929
23-Aug-19	BlackRock Advisors, LLC	on mkt sell	4.03	AUD	ORD	-11,468	-11,468
23-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.03	AUD	ORD	-63,578	-63,578
23-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.03	AUD	ORD	-6,672	-6,672
23-Aug-19	BlackRock Asset Management Canada Limited	on mkt sell	4.03	AUD	ORD	-10,973	-10,973
23-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.03	AUD	ORD	-27,444	-27,444
23-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.03	AUD	ORD	-19,145	-19,145
23-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.02	AUD	ORD	2,900	2,900
23-Aug-19	BlackRock Investment Management, LLC	on mkt sell	4.02	AUD	ORD	-6,084	-6,084
26-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.92	AUD	ORD	-4,326	-4,326

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
26-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.92	AUD	ORD	-9,795	-9,795
26-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy	3.91	AUD	ORD	125,160	125,160
27-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.96	AUD	ORD	-3,507	-3,507
27-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.96	AUD	ORD	-8,996	-8,996
27-Aug-19	BlackRock Advisors, LLC	on mkt sell	3.97	AUD	ORD	-9,428	-9,428
27-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.97	AUD	ORD	-52,742	-52,742
27-Aug-19	BlackRock Asset Management Canada Limited	on mkt sell	3.97	AUD	ORD	-8,665	-8,665
27-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.97	AUD	ORD	-22,040	-22,040
27-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.97	AUD	ORD	-16,806	-16,806
27-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.96	AUD	ORD	1,222	1,222
27-Aug-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-14,230	-14,230
27-Aug-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-9,961	-9,961
28-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.00	AUD	ORD	-3,072	-3,072
28-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.00	AUD	ORD	-4,829	-4,829
28-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.00	AUD	ORD	-8,237	-8,237
28-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.00	AUD	ORD	-16,521	-16,521
29-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-2,670	-2,670
29-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-4,489	-4,489
29-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-31,685	-31,685
29-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-13,082	-13,082
29-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.97	AUD	ORD	3,666	3,666
30-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.97	AUD	ORD	-2,577	-2,577
30-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.97	AUD	ORD	-3,998	-3,998
30-Aug-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,404	3,404
30-Aug-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-32,729	-32,729
30-Aug-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-9,961	-9,961
02-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.95	AUD	ORD	-805	-805
02-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.95	AUD	ORD	-1,517	-1,517
03-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.97	AUD	ORD	3,480	3,480
04-Sep-19	BlackRock Fund Advisors	on mkt buy	3.85	AUD	ORD	643	643
04-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.70	AUD	ORD	-6,141	-6,141
04-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.70	AUD	ORD	-2,494	-2,494
04-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.70	AUD	ORD	-1,691	-1,691
04-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.71	AUD	ORD	6,184	6,184
04-Sep-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,927	2,927
05-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.86	AUD	ORD	-2,446	-2,446
05-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.86	AUD	ORD	8,386	8,386
05-Sep-19	BlackRock Advisors (UK) Limited	on mkt sell	3.86	AUD	ORD	-7,428	-7,428
05-Sep-19	BlackRock Investment Management, LLC	on mkt buy	3.86	AUD	ORD	5,276	5,276
05-Sep-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,960	2,960
05-Sep-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,776	1,776
05-Sep-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,380	-10,380
06-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.90	AUD	ORD	-817	-817

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
06-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.90	AUD	ORD	-3,181	-3,181
06-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.91	AUD	ORD	6,960	6,960
06-Sep-19	BlackRock Advisors (UK) Limited	on mkt sell	3.91	AUD	ORD	-3,714	-3,714
06-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.91	AUD	ORD	2,444	2,444
06-Sep-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,368	2,368
06-Sep-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,380	-10,380
09-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.89	AUD	ORD	-2,799	-2,799
09-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.89	AUD	ORD	-3,704	-3,704
09-Sep-19	BlackRock Advisors (UK) Limited	on mkt sell	3.91	AUD	ORD	-14,095	-14,095
09-Sep-19	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	-188,844	-188,844
10-Sep-19	BlackRock Asset Management Deutschland AG	on mkt sell	4.02	AUD	ORD	-53,938	-53,938
10-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.96	AUD	ORD	2,378	2,378
10-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.97	AUD	ORD	-2,274	-2,274
10-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.97	AUD	ORD	-3,372	-3,372
10-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.02	AUD	ORD	4,640	4,640
10-Sep-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,664	2,664
11-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.06	AUD	ORD	-2,448	-2,448
11-Sep-19	BlackRock Advisors (UK) Limited	on mkt sell	4.09	AUD	ORD	-61,378	-61,378
11-Sep-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,036	1,036
12-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.18	AUD	ORD	-3,682	-3,682
12-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.18	AUD	ORD	-40,703	-40,703
12-Sep-19	BlackRock Fund Advisors	on mkt buy	4.11	AUD	ORD	588	588
13-Sep-19	BlackRock Fund Advisors	on mkt buy	4.18	AUD	ORD	581	581
13-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.19	AUD	ORD	-5,132	-5,132
13-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.19	AUD	ORD	-1,554	-1,554
13-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.19	AUD	ORD	-3,564	-3,564
13-Sep-19	BlackRock Advisors, LLC	on mkt sell	4.19	AUD	ORD	-8,618	-8,618
13-Sep-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.19	AUD	ORD	-28,030	-28,030
13-Sep-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.19	AUD	ORD	-10,429	-10,429
13-Sep-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.19	AUD	ORD	-10,219	-10,219
13-Sep-19	BlackRock Advisors, LLC	on mkt sell	4.19	AUD	ORD	-3,701	-3,701
13-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.19	AUD	ORD	-67,115	-67,115
13-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.19	AUD	ORD	-6,735	-6,735
13-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.19	AUD	ORD	-21,788	-21,788
13-Sep-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.19	AUD	ORD	-3,435	-3,435
13-Sep-19	BlackRock Asset Management Canada Limited	on mkt sell	4.19	AUD	ORD	-10,474	-10,474
13-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.19	AUD	ORD	-27,829	-27,829
13-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.19	AUD	ORD	-18,500	-18,500
13-Sep-19	BlackRock Asset Management Deutschland AG	on mkt sell	4.19	AUD	ORD	-20,017	-20,017
13-Sep-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,036	1,036
16-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.24	AUD	ORD	-5,766	-5,766
16-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.24	AUD	ORD	-4,704	-4,704

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
17-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.18	AUD	ORD	-6,385	-6,385
17-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.18	AUD	ORD	-7,093	-7,093
17-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.18	AUD	ORD	-3,492	-3,492
17-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.18	AUD	ORD	-61,360	-61,360
17-Sep-19	BlackRock Advisors, LLC	on mkt sell	4.18	AUD	ORD	-7,810	-7,810
17-Sep-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.18	AUD	ORD	-25,521	-25,521
17-Sep-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.18	AUD	ORD	-9,631	-9,631
17-Sep-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.18	AUD	ORD	-9,345	-9,345
17-Sep-19	BlackRock Fund Advisors	on mkt buy	4.20	AUD	ORD	574	574
17-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.18	AUD	ORD	-63,008	-63,008
17-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.18	AUD	ORD	-6,624	-6,624
17-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.18	AUD	ORD	-20,181	-20,181
17-Sep-19	BlackRock Asset Management Canada Limited	on mkt sell	4.18	AUD	ORD	-9,939	-9,939
17-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.18	AUD	ORD	-25,681	-25,681
17-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.18	AUD	ORD	-19,220	-19,220
18-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.09	AUD	ORD	-7,319	-7,319
18-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.09	AUD	ORD	-7,806	-7,806
18-Sep-19	BlackRock Japan Co., Ltd.	on mkt sell	4.09	AUD	ORD	-3,631	-3,631
18-Sep-19	BlackRock Investment Management (UK) Limited	on mkt sell	4.09	AUD	ORD	-7,232	-7,232
18-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.09	AUD	ORD	-58,541	-58,541
18-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.09	AUD	ORD	-149,037	-149,037
18-Sep-19	BlackRock Fund Advisors	on mkt sell	4.09	AUD	ORD	-22,409	-22,409
19-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.17	AUD	ORD	-4,194	-4,194
19-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.17	AUD	ORD	-5,474	-5,474
19-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.17	AUD	ORD	-7,222	-7,222
19-Sep-19	BlackRock Fund Advisors	on mkt sell	4.17	AUD	ORD	-14,939	-14,939
20-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.26	AUD	ORD	-1,042	-1,042
20-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.26	AUD	ORD	-1,378	-1,378
20-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.27	AUD	ORD	4,060	4,060
20-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.27	AUD	ORD	-13,208	-13,208
20-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.27	AUD	ORD	21,969	21,969
20-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.27	AUD	ORD	9,697	9,697
20-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.27	AUD	ORD	7,956	7,956
20-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.27	AUD	ORD	3,511	3,511
24-Sep-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.35	AUD	ORD	-1,288	-1,288
24-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.35	AUD	ORD	-5,985	-5,985
24-Sep-19	BlackRock Fund Advisors	on mkt sell	4.32	AUD	ORD	-9,586	-9,586
24-Sep-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,416	1,416
25-Sep-19	BlackRock Investment Management (UK) Limited	on mkt sell	4.27	AUD	ORD	-3,734	-3,734
25-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.27	AUD	ORD	-53,454	-53,454

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
25-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.27	AUD	ORD	-137,847	-137,847
25-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.27	AUD	ORD	5,220	5,220
25-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.27	AUD	ORD	1,222	1,222
26-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.28	AUD	ORD	1,222	1,222
30-Sep-19	BlackRock Fund Advisors	on mkt buy	4.24	AUD	ORD	1,315	1,315
30-Sep-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.27	AUD	ORD	5,800	5,800
30-Sep-19	BlackRock Advisors (UK) Limited	on mkt buy	4.27	AUD	ORD	619	619
01-Oct-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.27	AUD	ORD	6,316	6,316
01-Oct-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.27	AUD	ORD	580	580
01-Oct-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.27	AUD	ORD	2,444	2,444
01-Oct-19	BlackRock Advisors (UK) Limited	on mkt sell	4.27	AUD	ORD	-45,825	-45,825
01-Oct-19	BlackRock Advisors, LLC	on mkt buy	4.27	AUD	ORD	3,472	3,472
02-Oct-19	BlackRock Fund Advisors	on mkt buy	4.23	AUD	ORD	1,305	1,305
02-Oct-19	BlackRock Advisors (UK) Limited	on mkt sell	4.14	AUD	ORD	-45,824	-45,824
02-Oct-19	BlackRock Fund Advisors	on mkt buy	4.14	AUD	ORD	34,723	34,723
03-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.05	AUD	ORD	461	461
03-Oct-19	BlackRock Advisors (UK) Limited	on mkt sell	3.98	AUD	ORD	-183,292	-183,292
04-Oct-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.00	AUD	ORD	16,240	16,240
04-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.00	AUD	ORD	874	874
04-Oct-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-2,356	-2,356
07-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.01	AUD	ORD	1,915	1,915
07-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.01	AUD	ORD	976	976
07-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	4.01	AUD	ORD	619	619
07-Oct-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-7,809	-7,809
07-Oct-19	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	-3,999	-3,999
07-Oct-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-8,616	-8,616
07-Oct-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,894	3,894
08-Oct-19	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	105,106	105,106
08-Oct-19	BlackRock Fund Advisors	on mkt buy	3.95	AUD	ORD	727	727
08-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.01	AUD	ORD	1,829	1,829
08-Oct-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.01	AUD	ORD	13,340	13,340
08-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	4.01	AUD	ORD	79,595	79,595
09-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.95	AUD	ORD	3,496	3,496
09-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.95	AUD	ORD	1,320	1,320
09-Oct-19	BlackRock Japan Co., Ltd.	on mkt buy	3.95	AUD	ORD	8,490	8,490
09-Oct-19	BlackRock Investment Management (UK) Limited	on mkt buy	3.95	AUD	ORD	5,554	5,554
09-Oct-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.91	AUD	ORD	1,222	1,222
10-Oct-19	BlackRock Fund Advisors	on mkt sell	3.94	AUD	ORD	-3,781	-3,781
10-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.98	AUD	ORD	2,576	2,576
10-Oct-19	BlackRock Advisors, LLC	on mkt buy	3.99	AUD	ORD	8,468	8,468
10-Oct-19	BlackRock Asset Management Canada Limited	on mkt buy	3.99	AUD	ORD	5,754	5,754
10-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.99	AUD	ORD	16,398	16,398
10-Oct-19	BlackRock Advisors (UK) Limited	on mkt sell	3.98	AUD	ORD	-16,583	-16,583
11-Oct-19	BlackRock Fund Advisors	on mkt sell	3.99	AUD	ORD	-1,851	-1,851
11-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.98	AUD	ORD	2,715	2,715
11-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.98	AUD	ORD	1,388	1,388
11-Oct-19	BlackRock Advisors, LLC	on mkt buy	3.98	AUD	ORD	6,429	6,429

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11-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.98	AUD	ORD	13,367	13,367
11-Oct-19	BlackRock Asset Management Deutschland AG	on mkt buy	3.97	AUD	ORD	32,428	32,428
11-Oct-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,052	-10,052
11-Oct-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,540	3,540
11-Oct-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,540	3,540
11-Oct-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,080	7,080
14-Oct-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	15,904	15,904
14-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.99	AUD	ORD	2,943	2,943
14-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.99	AUD	ORD	848	848
14-Oct-19	BlackRock Fund Advisors	on mkt sell	4.00	AUD	ORD	-611	-611
14-Oct-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.00	AUD	ORD	1,220	1,220
15-Oct-19	BlackRock Fund Advisors	on mkt sell	4.03	AUD	ORD	-3,707	-3,707
15-Oct-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.99	AUD	ORD	31,041	31,041
15-Oct-19	BlackRock Advisors, LLC	on mkt buy	3.99	AUD	ORD	7,119	7,119
15-Oct-19	BlackRock Asset Management Canada Limited	on mkt buy	3.99	AUD	ORD	5,714	5,714
15-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.99	AUD	ORD	12,182	12,182
15-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	3.96	AUD	ORD	619	619
16-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.05	AUD	ORD	3,362	3,362
16-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.05	AUD	ORD	1,904	1,904
16-Oct-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.07	AUD	ORD	5,037	5,037
17-Oct-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.12	AUD	ORD	1,737	1,737
18-Oct-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.12	AUD	ORD	2,895	2,895
18-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-8,399	-8,399
21-Oct-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.21	AUD	ORD	2,440	2,440
23-Oct-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.14	AUD	ORD	-125,824	-125,824
23-Oct-19	BlackRock Advisors, LLC	on mkt buy	4.15	AUD	ORD	6,882	6,882
24-Oct-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.15	AUD	ORD	-1,863	-1,863
24-Oct-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-11,794	-11,794
25-Oct-19	BlackRock Asset Management Deutschland AG	on mkt buy	4.08	AUD	ORD	27,017	27,017
29-Oct-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.09	AUD	ORD	-4,333	-4,333
29-Oct-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.05	AUD	ORD	3,474	3,474
30-Oct-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.04	AUD	ORD	-105,234	-105,234
31-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.09	AUD	ORD	491	491
31-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	4.14	AUD	ORD	619	619
31-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.14	AUD	ORD	18,612	18,612
01-Nov-19	BlackRock Fund Advisors	on mkt buy	3.93	AUD	ORD	935	935
01-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,395	2,395
01-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	13,015	13,015
04-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.74	AUD	ORD	1,220	1,220
04-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.74	AUD	ORD	3,474	3,474
05-Nov-19	BlackRock Fund Advisors	on mkt buy	4.72	AUD	ORD	1,134	1,134
05-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.66	AUD	ORD	-5,728	-5,728
05-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.66	AUD	ORD	-13,885	-13,885
05-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.66	AUD	ORD	-13,816	-13,816
05-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.66	AUD	ORD	-4,281	-4,281

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05-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.66	AUD	ORD	-66,168	-66,168
05-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.66	AUD	ORD	-11,166	-11,166
05-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.66	AUD	ORD	-3,872	-3,872
05-Nov-19	BlackRock Asset Management Canada Limited	on mkt sell	4.66	AUD	ORD	-16,040	-16,040
05-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.66	AUD	ORD	-32,831	-32,831
05-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.66	AUD	ORD	-16,309	-16,309
05-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.66	AUD	ORD	-306	-306
05-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.65	AUD	ORD	4,632	4,632
05-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.65	AUD	ORD	2,440	2,440
05-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.65	AUD	ORD	2,440	2,440
05-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	20,104	20,104
06-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.65	AUD	ORD	-122,408	-122,408
06-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.65	AUD	ORD	-1,513	-1,513
06-Nov-19	BlackRock Investment Management (UK) Limited	on mkt sell	4.66	AUD	ORD	-5,554	-5,554
06-Nov-19	BlackRock Investment Management, LLC	on mkt sell	4.66	AUD	ORD	-5,200	-5,200
06-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.66	AUD	ORD	2,440	2,440
07-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	11,975	11,975
07-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.70	AUD	ORD	-373	-373
07-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.70	AUD	ORD	-2,955	-2,955
07-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.71	AUD	ORD	-10,122	-10,122
07-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.70	AUD	ORD	-2,019	-2,019
07-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.71	AUD	ORD	-17,312	-17,312
07-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.71	AUD	ORD	-29,211	-29,211
07-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.71	AUD	ORD	-4,317	-4,317
07-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.71	AUD	ORD	-8,182	-8,182
07-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.71	AUD	ORD	-136,574	-136,574
07-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.71	AUD	ORD	-21,366	-21,366
07-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.71	AUD	ORD	-8,197	-8,197
07-Nov-19	BlackRock Asset Management Canada Limited	on mkt sell	4.71	AUD	ORD	-32,747	-32,747
07-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.71	AUD	ORD	-76,767	-76,767
07-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.71	AUD	ORD	-32,321	-32,321
07-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.73	AUD	ORD	24,504	24,504
08-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,800	3,800
08-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.63	AUD	ORD	-2,330	-2,330
08-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.63	AUD	ORD	-11,644	-11,644
08-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.63	AUD	ORD	-15,212	-15,212
08-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.63	AUD	ORD	-38,539	-38,539
08-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.63	AUD	ORD	-4,970	-4,970
08-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.63	AUD	ORD	-7,127	-7,127
08-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.63	AUD	ORD	-107,535	-107,535

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08-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.63	AUD	ORD	-17,211	-17,211
08-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.63	AUD	ORD	-8,644	-8,644
08-Nov-19	BlackRock Asset Management Canada Limited	on mkt sell	4.63	AUD	ORD	-25,039	-25,039
08-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.63	AUD	ORD	-67,564	-67,564
08-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.63	AUD	ORD	-27,638	-27,638
08-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.63	AUD	ORD	-937	-937
08-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	9,500	9,500
08-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	17,232	17,232
08-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	14,360	14,360
08-Nov-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-6,026	-6,026
08-Nov-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-16,100	-16,100
11-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	16,302	16,302
11-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.62	AUD	ORD	-2,797	-2,797
11-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.62	AUD	ORD	-3,174	-3,174
11-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.62	AUD	ORD	1,158	1,158
11-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,180	7,180
12-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	17,136	17,136
12-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.55	AUD	ORD	-4,347	-4,347
12-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.55	AUD	ORD	-5,691	-5,691
12-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.54	AUD	ORD	-1,853	-1,853
12-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.55	AUD	ORD	-3,715	-3,715
12-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.54	AUD	ORD	-29,150	-29,150
12-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.54	AUD	ORD	-4,005	-4,005
12-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.54	AUD	ORD	-2,838	-2,838
12-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.54	AUD	ORD	-31,658	-31,658
12-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.54	AUD	ORD	-13,303	-13,303
12-Nov-19	BlackRock International Limited	on mkt sell	4.54	AUD	ORD	-9,275	-9,275
12-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.54	AUD	ORD	-81,485	-81,485
12-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.54	AUD	ORD	-4,620	-4,620
12-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.54	AUD	ORD	-8,943	-8,943
12-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.54	AUD	ORD	-8,023	-8,023
12-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.54	AUD	ORD	-143,473	-143,473
12-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.54	AUD	ORD	-22,637	-22,637
12-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.54	AUD	ORD	-28,782	-28,782
12-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	4.54	AUD	ORD	-13,185	-13,185
12-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	4.54	AUD	ORD	-10,469	-10,469
12-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.54	AUD	ORD	-10,830	-10,830
12-Nov-19	BlackRock Asset Management Canada Limited	on mkt sell	4.54	AUD	ORD	-35,236	-35,236
12-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.54	AUD	ORD	-90,801	-90,801
12-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.54	AUD	ORD	-47,616	-47,616
12-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	4.54	AUD	ORD	46,169	46,169
13-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.61	AUD	ORD	-878	-878
13-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.61	AUD	ORD	-1,985	-1,985

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13-Nov-19	BlackRock Japan Co., Ltd.	on mkt sell	4.61	AUD	ORD	-4,476	-4,476
13-Nov-19	BlackRock Japan Co., Ltd.	on mkt sell	4.61	AUD	ORD	-4,850	-4,850
13-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.61	AUD	ORD	-3,219	-3,219
13-Nov-19	BlackRock Investment Management, LLC	on mkt sell	4.61	AUD	ORD	-10,436	-10,436
13-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,290	7,290
13-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.62	AUD	ORD	3,146	3,146
13-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.62	AUD	ORD	-55,789	-55,789
13-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	4.62	AUD	ORD	619	619
14-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	4.66	AUD	ORD	27,033	27,033
14-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.68	AUD	ORD	4,448	4,448
14-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.68	AUD	ORD	-1,272	-1,272
14-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.68	AUD	ORD	-1,086	-1,086
14-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.68	AUD	ORD	-1,378	-1,378
14-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.67	AUD	ORD	-292	-292
14-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.67	AUD	ORD	-21,945	-21,945
14-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.67	AUD	ORD	-31,421	-31,421
14-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.67	AUD	ORD	-12,482	-12,482
14-Nov-19	BlackRock International Limited	on mkt sell	4.67	AUD	ORD	-10,283	-10,283
14-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.67	AUD	ORD	-726	-726
14-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.67	AUD	ORD	-7,811	-7,811
14-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.67	AUD	ORD	-7,957	-7,957
14-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.67	AUD	ORD	-134,661	-134,661
14-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.67	AUD	ORD	-3,557	-3,557
14-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.67	AUD	ORD	-26,538	-26,538
14-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	4.67	AUD	ORD	-14,719	-14,719
14-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	4.67	AUD	ORD	-12,286	-12,286
14-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.67	AUD	ORD	-8,393	-8,393
14-Nov-19	BlackRock Asset Management Canada Limited	on mkt sell	4.67	AUD	ORD	-17,264	-17,264
14-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.67	AUD	ORD	-54,480	-54,480
14-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.67	AUD	ORD	-39,284	-39,284
14-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.66	AUD	ORD	3,474	3,474
14-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.66	AUD	ORD	1,220	1,220
14-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	4.66	AUD	ORD	6,190	6,190
15-Nov-19	BlackRock Investment Management (UK) Limited	on mkt buy	4.64	AUD	ORD	22,259	22,259
15-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.64	AUD	ORD	-2,602	-2,602
15-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.64	AUD	ORD	-16,333	-16,333
15-Nov-19	BlackRock Asset Management Canada Limited	on mkt sell	4.64	AUD	ORD	-2,927	-2,927
15-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.64	AUD	ORD	-25,454	-25,454
15-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.64	AUD	ORD	-10,103	-10,103
15-Nov-19	BlackRock International Limited	on mkt sell	4.64	AUD	ORD	-8,460	-8,460
15-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.64	AUD	ORD	-91,365	-91,365
15-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.64	AUD	ORD	-6,231	-6,231
15-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.64	AUD	ORD	-4,891	-4,891

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15-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.64	AUD	ORD	-100,874	-100,874
15-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.64	AUD	ORD	-21,578	-21,578
15-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	4.64	AUD	ORD	-11,782	-11,782
15-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	4.64	AUD	ORD	-8,352	-8,352
15-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.64	AUD	ORD	-5,106	-5,106
15-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.64	AUD	ORD	-30,601	-30,601
15-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.64	AUD	ORD	-2,307	-2,307
15-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.64	AUD	ORD	-3,304	-3,304
15-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.64	AUD	ORD	-2,162	-2,162
15-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.64	AUD	ORD	-333	-333
15-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.64	AUD	ORD	-787	-787
15-Nov-19	BlackRock Asset Management Canada Limited	on mkt sell	4.64	AUD	ORD	-1,618	-1,618
15-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.64	AUD	ORD	-68	-68
15-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.64	AUD	ORD	-96	-96
15-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.64	AUD	ORD	-26	-26
15-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.64	AUD	ORD	4,632	4,632
15-Nov-19	BlackRock Fund Advisors	on mkt buy	4.64	AUD	ORD	38,483	38,483
15-Nov-19	BlackRock Japan Co., Ltd.	on mkt sell	4.66	AUD	ORD	-5,154	-5,154
18-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,940	4,940
18-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.64	AUD	ORD	-4,130	-4,130
18-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.64	AUD	ORD	-8,022	-8,022
18-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.64	AUD	ORD	-50	-50
18-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.65	AUD	ORD	4,632	4,632
18-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.65	AUD	ORD	-6,187	-6,187
19-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	15,232	15,232
19-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.67	AUD	ORD	-4,333	-4,333
19-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.67	AUD	ORD	-6,409	-6,409
19-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.68	AUD	ORD	-20,379	-20,379
19-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.68	AUD	ORD	-1,732	-1,732
19-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.68	AUD	ORD	-39,497	-39,497
19-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.68	AUD	ORD	-15,418	-15,418
19-Nov-19	BlackRock International Limited	on mkt sell	4.68	AUD	ORD	-12,721	-12,721
19-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.68	AUD	ORD	-73,193	-73,193
19-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.68	AUD	ORD	-9,584	-9,584
19-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.68	AUD	ORD	-3,919	-3,919
19-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.68	AUD	ORD	-131,220	-131,220
19-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.68	AUD	ORD	-33,618	-33,618
19-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	4.68	AUD	ORD	-9,439	-9,439
19-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	4.68	AUD	ORD	-6,691	-6,691
19-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.68	AUD	ORD	-630	-630
19-Nov-19	BlackRock Asset Management Canada Limited	on mkt sell	4.68	AUD	ORD	-1,296	-1,296
19-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.68	AUD	ORD	-4,090	-4,090

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
19-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.68	AUD	ORD	-37,265	-37,265
19-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.68	AUD	ORD	-267	-267
19-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.66	AUD	ORD	3,024	3,024
20-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.64	AUD	ORD	-66,566	-66,566
20-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.65	AUD	ORD	-4,726	-4,726
20-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.65	AUD	ORD	-4,376	-4,376
20-Nov-19	BlackRock Japan Co., Ltd.	on mkt sell	4.64	AUD	ORD	-8,357	-8,357
20-Nov-19	BlackRock Japan Co., Ltd.	on mkt sell	4.64	AUD	ORD	-9,428	-9,428
20-Nov-19	BlackRock Investment Management, LLC	on mkt sell	4.64	AUD	ORD	-4,018	-4,018
20-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.63	AUD	ORD	-3,971	-3,971
20-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.62	AUD	ORD	4,632	4,632
20-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	4.62	AUD	ORD	619	619
20-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	4.62	AUD	ORD	619	619
20-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,178	1,178
20-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	30,429	30,429
21-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	4.64	AUD	ORD	27,030	27,030
21-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.64	AUD	ORD	7,053	7,053
21-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.64	AUD	ORD	-6,230	-6,230
21-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.64	AUD	ORD	-5,078	-5,078
21-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.65	AUD	ORD	-26,610	-26,610
21-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.65	AUD	ORD	-7,339	-7,339
21-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.65	AUD	ORD	-37,934	-37,934
21-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.65	AUD	ORD	-14,355	-14,355
21-Nov-19	BlackRock International Limited	on mkt sell	4.65	AUD	ORD	-13,554	-13,554
21-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.65	AUD	ORD	-10,139	-10,139
21-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.65	AUD	ORD	-33,641	-33,641
21-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.65	AUD	ORD	-43,126	-43,126
21-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.64	AUD	ORD	2,440	2,440
21-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.64	AUD	ORD	2,316	2,316
21-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	4.64	AUD	ORD	92,338	92,338
21-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,898	2,898
22-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	4.69	AUD	ORD	27,031	27,031
22-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.67	AUD	ORD	-4,294	-4,294
22-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.67	AUD	ORD	-4,167	-4,167
22-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.67	AUD	ORD	-16,940	-16,940
22-Nov-19	BlackRock Asset Management Canada Limited	on mkt sell	4.67	AUD	ORD	-6,836	-6,836
22-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.67	AUD	ORD	-39,700	-39,700
22-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.67	AUD	ORD	-14,988	-14,988
22-Nov-19	BlackRock International Limited	on mkt sell	4.67	AUD	ORD	-14,455	-14,455
22-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.67	AUD	ORD	-11,755	-11,755
22-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.67	AUD	ORD	-35,235	-35,235
22-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.67	AUD	ORD	-14,275	-14,275
22-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	6,188	6,188

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
25-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.69	AUD	ORD	-9,084	-9,084
25-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.69	AUD	ORD	-6,743	-6,743
26-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.67	AUD	ORD	-4,430	-4,430
26-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.67	AUD	ORD	-8,482	-8,482
26-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.66	AUD	ORD	-5,456	-5,456
26-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.66	AUD	ORD	-17,654	-17,654
26-Nov-19	BlackRock Advisors, LLC	on mkt sell	4.66	AUD	ORD	-8,921	-8,921
26-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.66	AUD	ORD	-42,932	-42,932
26-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.66	AUD	ORD	-17,509	-17,509
26-Nov-19	BlackRock International Limited	on mkt sell	4.66	AUD	ORD	-16,709	-16,709
26-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.66	AUD	ORD	-13,282	-13,282
26-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.66	AUD	ORD	-38,753	-38,753
26-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.65	AUD	ORD	23,755	23,755
26-Nov-19	BlackRock Fund Advisors	on mkt sell	4.65	AUD	ORD	-4,251	-4,251
26-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	4.65	AUD	ORD	4,251	4,251
26-Nov-19	BlackRock Fund Advisors	on mkt sell	4.65	AUD	ORD	-6,606	-6,606
26-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	12,895	12,895
26-Nov-19	BlackRock Asset Management North Asia Limited	in specie	n/a	AUD	ORD	-2,591	-2,591
27-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.67	AUD	ORD	-4,132	-4,132
27-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.67	AUD	ORD	-5,157	-5,157
27-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	4.68	AUD	ORD	-4,475	-4,475
27-Nov-19	BlackRock Japan Co., Ltd.	on mkt sell	4.68	AUD	ORD	-3,689	-3,689
27-Nov-19	BlackRock Japan Co., Ltd.	on mkt sell	4.68	AUD	ORD	-4,940	-4,940
27-Nov-19	BlackRock Japan Co., Ltd.	on mkt sell	4.68	AUD	ORD	-3,531	-3,531
27-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	25,790	25,790
27-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	12,895	12,895
27-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,776	7,776
28-Nov-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.76	AUD	ORD	4,632	4,632
28-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	4.76	AUD	ORD	46,171	46,171
29-Nov-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	10,316	10,316
02-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.74	AUD	ORD	7,890	7,890
02-Dec-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-187,597	-187,597
03-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.60	AUD	ORD	-4,988	-4,988
03-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.60	AUD	ORD	-14,764	-14,764
03-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.60	AUD	ORD	-7,103	-7,103
03-Dec-19	BlackRock Advisors, LLC	on mkt sell	4.60	AUD	ORD	-15,692	-15,692
03-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.60	AUD	ORD	-73,668	-73,668
03-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.60	AUD	ORD	-28,426	-28,426
03-Dec-19	BlackRock Investment Management, LLC	on mkt sell	4.60	AUD	ORD	-4,365	-4,365
03-Dec-19	BlackRock International Limited	on mkt sell	4.60	AUD	ORD	-16,845	-16,845
03-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.60	AUD	ORD	-20,572	-20,572
03-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.60	AUD	ORD	-65,798	-65,798
03-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.60	AUD	ORD	-7,287	-7,287
03-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	8,694	8,694
03-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	12,900	12,900
04-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.59	AUD	ORD	1,884	1,884

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
04-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.60	AUD	ORD	-8,579	-8,579
04-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.60	AUD	ORD	-14,008	-14,008
04-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	4.62	AUD	ORD	-4,938	-4,938
04-Dec-19	BlackRock Japan Co., Ltd.	on mkt sell	4.62	AUD	ORD	-5,201	-5,201
04-Dec-19	BlackRock Japan Co., Ltd.	on mkt sell	4.62	AUD	ORD	-3,336	-3,336
04-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.62	AUD	ORD	579	579
04-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.62	AUD	ORD	3,474	3,474
04-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	4.62	AUD	ORD	46,169	46,169
04-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	4.62	AUD	ORD	-138,507	-138,507
04-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,184	5,184
04-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	10,368	10,368
05-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.68	AUD	ORD	-8,529	-8,529
05-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.68	AUD	ORD	-16,545	-16,545
05-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.69	AUD	ORD	-61,385	-61,385
05-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.69	AUD	ORD	-24,271	-24,271
05-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.69	AUD	ORD	-16,213	-16,213
05-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.69	AUD	ORD	-51,407	-51,407
05-Dec-19	BlackRock Investment Management, LLC	on mkt sell	4.69	AUD	ORD	-201	-201
05-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.69	AUD	ORD	-6,456	-6,456
05-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.70	AUD	ORD	1,220	1,220
05-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	10,364	10,364

09-Dec-19

Maria Tricarico,
Authorised Signatory

Date

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 number of Securities		Person's votes	Nature of Association
BlackRock (Netherlands) B.V.	SSB-STATE STREET 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	71,290	71,290	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	533,111	533,111	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	8,072,454	8,072,454	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	54,741	54,741	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	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	Nature of Association
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 9,660	9,660	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 123,712	123,712	Subsidiary of BlackRock, Inc.
BlackRock Asset Management Deutschland AG	SSB-STATE STREET BANK, GERMANY		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 4,251,234	4,251,234	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 383	383	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 67,503	67,503	Subsidiary of BlackRock, Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	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 2,158	2,158	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 275,118	275,118	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 110,198	110,198	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 9,982,569	9,982,569	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	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	Nature of Association
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 31,451	31,451	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 76,369	76,369	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	CITI-CITIGROUP GLOBAL MARKETS PRIME BROKERAGE - 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 110,318	110,318	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 3,261,580	3,261,580	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	MS-MORGAN STANLEY & CO INC		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 73,683	73,683	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	NT-NORTHERN TRUST CO. - CHICAGO		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 55	55	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 8,586	8,586	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 313,017	313,017	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 1,688	1,688	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	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	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	15,738	15,738	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	14,525	14,525	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	651,756	651,756	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	609,955	609,955	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	2,305,050	2,305,050	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	461,975	461,975	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	362,204	362,204	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	193,193	193,193	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	267,113	267,113	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	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	Nature of Association
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	62,302	62,302	Subsidiary of BlackRock, Inc.
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	370,638	370,638	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	271,199	271,199	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	338,147	338,147	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	126,538	126,538	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	28,276	28,276	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	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	2,703	2,703	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	2,257	2,257	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	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	Nature of Association
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	216,275	216,275	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	278,576	278,576	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 held in its capacity as investment manager.	ORD	3,146	3,146	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	1,727,967	1,727,967	Subsidiary of BlackRock, Inc.

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

09-Dec-19

Maria Tricarico,

Authorised Signatory

Date

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 Deutschland AG	Max-Joseph-Straße 6 D-80333 Munich, Germany
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 Association	1225 17th Street, 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)