

Form 603

Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme ORICA LTD

ACN/ARSN 004 145 868

1. Details of substantial holder (1)

Name BlackRock Group (BlackRock Inc. and subsidiaries named in Annexures
ACN/ARSN (if applicable) to this form)

The holder became a substantial holder on 17 / 10 / 2018

2. Details of 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 on the date the substantial holder became a substantial holder are as follows:

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
Ord	19,019,422	19,019,422	5.01

3. Details of relevant interests

The nature of the relevant interest the substantial holder or an associate had in the following voting securities on the date the substantial holder became a substantial holder are as follows:

Holder of relevant interest	Nature of relevant interest (7)	Class and number of securities
Annexure A & D		

4. Details of present registered holders

The persons registered as holders of the securities referred to in paragraph 3 above are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Class and number of securities
see Annexure A			

5. Consideration

The consideration paid for each relevant interest referred to in paragraph 3 above, and acquired in the four months prior to the day that the substantial holder became a substantial holder is as follows:

Holder of relevant interest	Date of acquisition	Consideration (9)		Class and number of securities
		Cash	Non-cash	
see Annexure B				

6. Associates

The reasons the persons named in paragraph 3 above are associates of the substantial holder are as follows:

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

7. Addresses

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

Name	Address
see Annexure C	

Signature

print name Maria Tricarico

capacity Authorised Signatory*

sign here

date 19 / 10 / 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 7 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 total number of votes attached to all the voting shares in the company or voting interests in the scheme (if any) that the person or an associate has a relevant interest in.
- (6) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (7) Include details of:
 - (a) any relevant agreement or other circumstances by which the relevant interest was acquired. 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.
- (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) 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.

19-Oct-18

Maria Tricarico,
Authorised Signatory

Date

3. Details of Relevant Interests
4. Details of present registered holders
6. Associates

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock (Netherlands) B.V.	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.	JPM-JP MORGAN CHASE - NEW YORK		ORD 18,818	18,818	subsidiary of BlackRock Inc.
BlackRock (Netherlands) B.V.	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.	KAS-KAS BANK - AMSTERDAM		ORD 4,998	4,998	subsidiary of BlackRock Inc.
BlackRock (Netherlands) B.V.	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.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 49,747	49,747	subsidiary of BlackRock Inc.
BlackRock (Singapore) Limited	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.	BNP Paribas Securities Services Singapore		ORD 5,716	5,716	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	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.	BNYM-BONY EUROPE - LONDON		ORD 617,883	617,883	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	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.	JPM - J.P. Morgan Zurich		ORD 21,748	21,748	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	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.	JPM-JP MORGAN CHASE - NEW YORK		ORD 20,382	20,382	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	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.	JPM-JPM CHASE - LONDON		ORD 266,113	266,113	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Advisors (UK) Limited	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.	NT-NORTHERN TRUST UK		ORD 87,332	87,332	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	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.	RBC-DEXIA BIL- LONDON		ORD 25,922	25,922	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	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.	SSB-STATE STREET DUBLIN		ORD 937,676	937,676	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	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.	STATE STREET BANK, MUNICH, ZURICH BRANCH		ORD 7,581	7,581	subsidiary of BlackRock Inc.
BlackRock Advisors, LLC	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.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ORD 267,066	267,066	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	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.	NT-NORTHERN TRUST CO. - CHICAGO		ORD 16,676	16,676	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	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.	RBC-ROYAL TRUST - TORONTO		ORD 1,922	1,922	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	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.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 2,468	2,468	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	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.	SSB-STATE STREET SACRAMENTO		ORD 199,185	199,185	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	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.	CITI-CITIBANK, HONG KONG		ORD 608	608	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	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.	HSBC-HSBC, HONG KONG		ORD 1,863	1,863	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	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.	Northern Trust Singapore		ORD 524	524	subsidiary of BlackRock Inc.
BlackRock Financial Management, 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.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD 10,305	10,305	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Financial Management, 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.	BNYM-THE BANK OF NEW YORK		ORD 18,805	18,805	subsidiary of BlackRock Inc.
BlackRock Financial Management, 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.	JPM-JP MORGAN CHASE - NEW YORK		ORD 48,063	48,063	subsidiary of BlackRock Inc.
BlackRock Financial Management, 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.	NT-NORTHERN TRUST UK		ORD 58,127	58,127	subsidiary of BlackRock Inc.
BlackRock Financial Management, 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.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 3,988	3,988	subsidiary of BlackRock Inc.
BlackRock Financial Management, 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.	SSB-STATE STREET BANK & TRUST TORONTO		ORD 2,944	2,944	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	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.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 10,591	10,591	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	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.	SSB-STATE STREET BANK, BOSTON		ORD 53,749	53,749	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	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.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ORD 17,936	17,936	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	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.	SSB-STATE STREET SACRAMENTO		ORD 4,937,242	4,937,242	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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.	BNYM-THE BANK OF NEW YORK		ORD 365,065	365,065	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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.	JPM-JP MORGAN CHASE - NEW YORK		ORD 4,822,745	4,822,745	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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.	NT-NORTHERN TRUST CO. - CHICAGO		ORD 133,448	133,448	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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.	RBC-ROYAL TRUST - TORONTO		ORD 3,987	3,987	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Institutional Trust Company, National Association	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.	SSB-SSB BOSTON INSTITUTIONAL		ORD 8,309	8,309	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 320,157	320,157	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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.	SSB-STATE STATE HONG KONG		ORD 36,932	36,932	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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.	SSB-STATE STREET BANK, BOSTON		ORD 9,732	9,732	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	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.	SSB-STATE STREET SACRAMENTO		ORD 950	950	subsidiary of BlackRock Inc.
BlackRock International Limited	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.	JPM-JP MORGAN CHASE - NEW YORK		ORD 17,989	17,989	subsidiary of BlackRock Inc.
BlackRock International Limited	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.	NT-NORTHERN TRUST UK		ORD 134,734	134,734	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	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.	HSBC-HSBC SYDNEY		ORD 269,381	269,381	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	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.	JPM-JPM CHASE - SYDNEY		ORD 32,682	32,682	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	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.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ORD 781,488	781,488	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	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.	Northern Trust Singapore		ORD 243,470	243,470	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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.	AP7		ORD 112,482	112,482	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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.	BNP PARIBAS LON		ORD 19,625	19,625	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	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.	BNP PARIBAS LUX		ORD 2,426	2,426	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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.	BNP-BNP Paribas Milan		ORD 9,561	9,561	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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.	BNYM-BANK OF NY BRUS		ORD 168,805	168,805	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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.	BNYM-BONY EUROPE - LONDON		ORD 155,900	155,900	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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.	CITI-CITIBANK, LONDON		ORD 389,449	389,449	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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.	HSBC-HSBC - LONDON		ORD 242,007	242,007	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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.	JPM-JP MORGAN CHASE - NEW YORK		ORD 21,840	21,840	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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.	KAS-KAS BANK - AMSTERDAM		ORD 217,466	217,466	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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.	NT-NORTHERN TRUST CO. - CHICAGO		ORD 25,372	25,372	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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.	NT-NORTHERN TRUST UK		ORD 273,788	273,788	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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.	PICT-PICTET & CIE		ORD 1,690	1,690	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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.	SEB-SKANDINAVISKA ENSKILDA BANKEN		ORD 15,872	15,872	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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.	SSB-STATE STATE HONG KONG		ORD 16,049	16,049	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	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.	SSB-STATE STREET BANK LUXEMBOURG		ORD 83,518	83,518	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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.	SSB-STATE STREET BANK, GERMANY		ORD 29,905	29,905	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	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.	SSB-STATE STREET LONDON		ORD 237,887	237,887	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	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.	BNYM-THE BANK OF NEW YORK		ORD 239,697	239,697	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	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.	JPM-JP MORGAN CHASE - NEW YORK		ORD 250,010	250,010	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	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.	USB-US BANK		ORD 11,694	11,694	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	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.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD 5,924	5,924	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	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.	JPM-JP MORGAN CHASE - NEW YORK		ORD 480,584	480,584	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	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.	SSB-STATE STREET BANK, BOSTON		ORD 3,663	3,663	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	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.	JPM-JPM CHASE - SYDNEY		ORD 12,911	12,911	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	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.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ORD 188,536	188,536	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	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.	SSB-STATE STREET AUSTRALIA		ORD 138,282	138,282	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (Australia) Limited	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.	JPM-JPM CHASE - SYDNEY		ORD 767,432	767,432	subsidiary of BlackRock Inc.

This is Annexure B of 6 pages referred to in form 603 Notice of initial substantial shareholder

19-Oct-18
Date

Maria Tricarico,
Authorised Signatory

5. Consideration

ORICA LTD (ORI)								
Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Investment Management (UK) Limited	18-Jun-18	no	n/a	collateral transfer	AUD	ORD 34	34	
BlackRock Advisors (UK) Limited	19-Jun-18	no	n/a	in specie	AUD	ORD 3,978	3,978	
BlackRock Investment Management (UK) Limited	20-Jun-18	yes	17.93	on mkt buy	AUD	ORD 17,457	17,457	
BlackRock Advisors (UK) Limited	20-Jun-18	yes	17.96	on mkt buy	AUD	ORD 2,457	2,457	
BlackRock Advisors (UK) Limited	20-Jun-18	no	n/a	collateral transfer	AUD	ORD 21,944	21,944	
BlackRock Advisors (UK) Limited	21-Jun-18	yes	17.98	on mkt buy	AUD	ORD 1,470	1,470	
BlackRock Japan Co., Ltd.	21-Jun-18	no	n/a	collateral transfer	AUD	ORD 9,953	9,953	
BlackRock Institutional Trust Company, National Association	22-Jun-18	yes	17.93	on mkt buy	AUD	ORD 306	306	
BlackRock Advisors (UK) Limited	22-Jun-18	no	n/a	collateral transfer	AUD	ORD 21,548	21,548	
BlackRock Fund Advisors	25-Jun-18	no	n/a	in specie	AUD	ORD 900	900	
BlackRock Advisors (UK) Limited	26-Jun-18	yes	17.84	on mkt buy	AUD	ORD 620	620	
BlackRock Japan Co., Ltd.	26-Jun-18	no	n/a	collateral transfer	AUD	ORD 902	902	
BlackRock Fund Advisors	27-Jun-18	yes	17.99	on mkt buy	AUD	ORD 33,357	33,357	
BlackRock Fund Advisors	27-Jun-18	no	n/a	in specie	AUD	ORD 3,378	3,378	
BlackRock Japan Co., Ltd.	28-Jun-18	no	n/a	collateral transfer	AUD	ORD 76,849	76,849	
BlackRock Advisors (UK) Limited	28-Jun-18	no	n/a	collateral transfer	AUD	ORD 29,560	29,560	
BlackRock Investment Management (UK) Limited	28-Jun-18	no	n/a	collateral transfer	AUD	ORD 27,274	27,274	
BlackRock Advisors (UK) Limited	29-Jun-18	yes	17.75	on mkt buy	AUD	ORD 7,803	7,803	
BlackRock Institutional Trust Company, National Association	29-Jun-18	yes	17.75	on mkt buy	AUD	ORD 51,587	51,587	
BlackRock Advisors (UK) Limited	29-Jun-18	yes	17.75	on mkt buy	AUD	ORD 1,644	1,644	
BlackRock Fund Advisors	29-Jun-18	yes	17.75	on mkt buy	AUD	ORD 2,216	2,216	
BlackRock Fund Advisors	29-Jun-18	no	n/a	in specie	AUD	ORD 979	979	
BlackRock Fund Advisors	02-Jul-18	no	n/a	in specie	AUD	ORD 1,203	1,203	
BlackRock Advisors (UK) Limited	03-Jul-18	yes	17.75	on mkt buy	AUD	ORD 1,644	1,644	
BlackRock Advisors (UK) Limited	04-Jul-18	yes	17.62	on mkt buy	AUD	ORD 822	822	
BlackRock Advisors (UK) Limited	05-Jul-18	yes	17.69	on mkt buy	AUD	ORD 29,516	29,516	
BlackRock Fund Advisors	05-Jul-18	yes	17.69	on mkt buy	AUD	ORD 5,789	5,789	
BlackRock Japan Co., Ltd.	05-Jul-18	yes	17.69	on mkt buy	AUD	ORD 2,187	2,187	
BlackRock Japan Co., Ltd.	05-Jul-18	no	n/a	collateral transfer	AUD	ORD 51	51	
BlackRock Advisors (UK) Limited	05-Jul-18	no	n/a	collateral transfer	AUD	ORD 19,893	19,893	
BlackRock Investment Management (UK) Limited	05-Jul-18	no	n/a	collateral transfer	AUD	ORD 8,623	8,623	
BlackRock Asset Management North Asia Limited	05-Jul-18	no	n/a	collateral transfer	AUD	ORD 15	15	
BlackRock Institutional Trust Company, National Association	06-Jul-18	yes	17.77	on mkt buy	AUD	ORD 2,679	2,679	
BlackRock (Netherlands) B.V.	06-Jul-18	yes	17.77	on mkt buy	AUD	ORD 607	607	
BlackRock Fund Advisors	06-Jul-18	yes	17.77	on mkt buy	AUD	ORD 3,331	3,331	
BlackRock Fund Advisors	06-Jul-18	no	n/a	in specie	AUD	ORD 802	802	
BlackRock Japan Co., Ltd.	06-Jul-18	no	n/a	collateral transfer	AUD	ORD 31,313	31,313	
BlackRock Asset Management Canada Limited	09-Jul-18	yes	17.81	on mkt buy	AUD	ORD 8,427	8,427	
BlackRock Institutional Trust Company, National Association	09-Jul-18	yes	17.81	on mkt buy	AUD	ORD 33,755	33,755	
BlackRock Institutional Trust Company, National Association	09-Jul-18	yes	17.81	on mkt buy	AUD	ORD 6,198	6,198	
BlackRock Fund Advisors	09-Jul-18	no	n/a	in specie	AUD	ORD 802	802	
BlackRock Advisors (UK) Limited	10-Jul-18	yes	17.89	on mkt buy	AUD	ORD 25,980	25,980	
BlackRock Advisors (UK) Limited	10-Jul-18	yes	17.83	on mkt buy	AUD	ORD 288	288	

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Fund Advisors	10-Jul-18	no	n/a	in specie	AUD	ORD	802	802
BlackRock Institutional Trust Company, National Association	10-Jul-18	no	n/a	in specie	AUD	ORD	19,928	19,928
BlackRock Japan Co., Ltd.	10-Jul-18	no	n/a	collateral transfer	AUD	ORD	526	526
BlackRock Advisors (UK) Limited	11-Jul-18	yes	17.89	on mkt buy	AUD	ORD	715	715
BlackRock Financial Management, Inc.	11-Jul-18	no	n/a	collateral transfer	AUD	ORD	323	323
BlackRock Investment Management (UK) Limited	11-Jul-18	no	n/a	collateral transfer	AUD	ORD	193	193
BlackRock Advisors (UK) Limited	12-Jul-18	yes	17.97	on mkt buy	AUD	ORD	1,022	1,022
BlackRock Fund Advisors	12-Jul-18	no	n/a	in specie	AUD	ORD	15,291	15,291
BlackRock Fund Advisors	12-Jul-18	no	n/a	in specie	AUD	ORD	802	802
BlackRock Financial Management, Inc.	12-Jul-18	no	n/a	collateral transfer	AUD	ORD	17,188	17,188
BlackRock Investment Management (UK) Limited	12-Jul-18	no	n/a	collateral transfer	AUD	ORD	8,346	8,346
BlackRock Advisors (UK) Limited	13-Jul-18	yes	17.87	on mkt buy	AUD	ORD	369	369
BlackRock Investment Management (UK) Limited	16-Jul-18	yes	17.77	on mkt buy	AUD	ORD	2,304	2,304
BlackRock Advisors (UK) Limited	16-Jul-18	yes	17.77	on mkt buy	AUD	ORD	151	151
BlackRock Japan Co., Ltd.	16-Jul-18	no	n/a	collateral transfer	AUD	ORD	41	41
BlackRock Investment Management, LLC	16-Jul-18	no	n/a	collateral transfer	AUD	ORD	303	303
BlackRock Asset Management North Asia Limited	16-Jul-18	no	n/a	collateral transfer	AUD	ORD	240	240
BlackRock Japan Co., Ltd.	17-Jul-18	no	n/a	collateral transfer	AUD	ORD	4	4
BlackRock Investment Management, LLC	17-Jul-18	no	n/a	collateral transfer	AUD	ORD	4	4
BlackRock Investment Management (UK) Limited	17-Jul-18	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Fund Advisors	18-Jul-18	yes	17.77	on mkt buy	AUD	ORD	5,632	5,632
BlackRock Japan Co., Ltd.	18-Jul-18	no	n/a	collateral transfer	AUD	ORD	704	704
BlackRock Financial Management, Inc.	18-Jul-18	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Investment Management, LLC	18-Jul-18	no	n/a	collateral transfer	AUD	ORD	5,183	5,183
BlackRock Investment Management (UK) Limited	18-Jul-18	no	n/a	collateral transfer	AUD	ORD	6,519	6,519
BlackRock Asset Management North Asia Limited	18-Jul-18	no	n/a	collateral transfer	AUD	ORD	3,893	3,893
BlackRock Advisors (UK) Limited	20-Jul-18	yes	17.93	on mkt buy	AUD	ORD	832	832
BlackRock Advisors (UK) Limited	20-Jul-18	yes	17.93	on mkt buy	AUD	ORD	122	122
BlackRock Advisors (UK) Limited	20-Jul-18	yes	17.93	on mkt buy	AUD	ORD	369	369
BlackRock Investment Management, LLC	20-Jul-18	yes	17.93	on mkt buy	AUD	ORD	8,354	8,354
BlackRock Fund Advisors	20-Jul-18	no	n/a	in specie	AUD	ORD	401	401
BlackRock Advisors (UK) Limited	23-Jul-18	yes	17.76	on mkt buy	AUD	ORD	369	369
BlackRock Advisors (UK) Limited	23-Jul-18	yes	17.76	on mkt buy	AUD	ORD	1,732	1,732
BlackRock Investment Management (Australia) Limited	23-Jul-18	yes	17.76	on mkt buy	AUD	ORD	9,705	9,705
BlackRock Advisors (UK) Limited	23-Jul-18	no	n/a	collateral transfer	AUD	ORD	23,547	23,547
BlackRock Advisors (UK) Limited	24-Jul-18	yes	17.84	on mkt buy	AUD	ORD	831	831
BlackRock Fund Advisors	24-Jul-18	no	n/a	in specie	AUD	ORD	802	802
BlackRock Financial Management, Inc.	27-Jul-18	yes	17.83	on mkt buy	AUD	ORD	66	66
BlackRock Advisors (UK) Limited	27-Jul-18	yes	17.85	on mkt buy	AUD	ORD	3,464	3,464
BlackRock Advisors (UK) Limited	27-Jul-18	yes	17.85	on mkt buy	AUD	ORD	858	858
BlackRock Advisors (UK) Limited	27-Jul-18	yes	17.85	on mkt buy	AUD	ORD	868	868
BlackRock Fund Advisors	27-Jul-18	yes	17.85	on mkt buy	AUD	ORD	9,607	9,607
BlackRock Investment Management (UK) Limited	27-Jul-18	no	n/a	collateral transfer	AUD	ORD	153,378	153,378
BlackRock Advisors (UK) Limited	30-Jul-18	no	n/a	collateral transfer	AUD	ORD	7,411	7,411
BlackRock Advisors (UK) Limited	31-Jul-18	yes	17.58	on mkt buy	AUD	ORD	867	867
BlackRock Advisors (UK) Limited	31-Jul-18	yes	17.58	on mkt buy	AUD	ORD	1,734	1,734
BlackRock Advisors (UK) Limited	31-Jul-18	yes	17.58	on mkt buy	AUD	ORD	286	286
BlackRock Fund Advisors	31-Jul-18	no	n/a	in specie	AUD	ORD	651	651
BlackRock Advisors (UK) Limited	31-Jul-18	no	n/a	collateral transfer	AUD	ORD	9,795	9,795
BlackRock Advisors (UK) Limited	01-Aug-18	yes	17.58	on mkt buy	AUD	ORD	19,074	19,074
BlackRock Fund Advisors	01-Aug-18	no	n/a	in specie	AUD	ORD	744	744
BlackRock Advisors (UK) Limited	01-Aug-18	no	n/a	collateral transfer	AUD	ORD	30,720	30,720

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Fund Advisors	02-Aug-18	no	n/a	in specie	AUD	ORD	4,365	4,365
BlackRock Fund Advisors	02-Aug-18	no	n/a	in specie	AUD	ORD	5,820	5,820
BlackRock Advisors, LLC	02-Aug-18	no	n/a	collateral transfer	AUD	ORD	354	354
BlackRock Japan Co., Ltd.	02-Aug-18	no	n/a	collateral transfer	AUD	ORD	1,620	1,620
BlackRock Advisors (UK) Limited	02-Aug-18	no	n/a	collateral transfer	AUD	ORD	670	670
BlackRock Investment Management, LLC	02-Aug-18	no	n/a	collateral transfer	AUD	ORD	3,801	3,801
BlackRock Investment Management (UK) Limited	02-Aug-18	no	n/a	collateral transfer	AUD	ORD	14,226	14,226
BlackRock Asset Management North Asia Limited	02-Aug-18	no	n/a	collateral transfer	AUD	ORD	499	499
BlackRock Advisors (UK) Limited	03-Aug-18	yes	17.45	on mkt buy	AUD	ORD	750	750
BlackRock Japan Co., Ltd.	03-Aug-18	yes	17.45	on mkt buy	AUD	ORD	299	299
BlackRock Advisors, LLC	03-Aug-18	no	n/a	collateral transfer	AUD	ORD	21	21
BlackRock Financial Management, Inc.	03-Aug-18	no	n/a	collateral transfer	AUD	ORD	1,982	1,982
BlackRock Fund Advisors	06-Aug-18	no	n/a	in specie	AUD	ORD	4,365	4,365
BlackRock Japan Co., Ltd.	06-Aug-18	no	n/a	collateral transfer	AUD	ORD	11,089	11,089
BlackRock Institutional Trust Company, National Association	07-Aug-18	yes	17.53	on mkt buy	AUD	ORD	21,738	21,738
BlackRock Advisors (UK) Limited	07-Aug-18	yes	17.51	on mkt buy	AUD	ORD	24,192	24,192
BlackRock Advisors (UK) Limited	07-Aug-18	yes	17.47	on mkt buy	AUD	ORD	831	831
BlackRock Investment Management (Australia) Limited	08-Aug-18	yes	17.28	on mkt buy	AUD	ORD	28,790	28,790
BlackRock Advisors (UK) Limited	08-Aug-18	yes	17.27	on mkt buy	AUD	ORD	4,234	4,234
BlackRock Advisors (UK) Limited	08-Aug-18	yes	17.27	on mkt buy	AUD	ORD	244	244
BlackRock Financial Management, Inc.	08-Aug-18	yes	17.27	on mkt buy	AUD	ORD	1,053	1,053
BlackRock Institutional Trust Company, National Association	08-Aug-18	yes	17.27	on mkt buy	AUD	ORD	17,122	17,122
BlackRock Fund Advisors	09-Aug-18	no	n/a	in specie	AUD	ORD	930	930
BlackRock Investment Management (UK) Limited	09-Aug-18	no	n/a	in specie	AUD	ORD	3,161	3,161
BlackRock Fund Advisors	10-Aug-18	no	n/a	in specie	AUD	ORD	1,860	1,860
BlackRock Advisors (UK) Limited	10-Aug-18	no	n/a	collateral transfer	AUD	ORD	26,066	26,066
BlackRock Advisors (UK) Limited	13-Aug-18	yes	16.97	on mkt buy	AUD	ORD	5,064	5,064
BlackRock Advisors (UK) Limited	13-Aug-18	no	n/a	collateral transfer	AUD	ORD	17,639	17,639
BlackRock Institutional Trust Company, National Association	14-Aug-18	yes	17.15	on mkt buy	AUD	ORD	3,084	3,084
BlackRock Institutional Trust Company, National Association	15-Aug-18	yes	17.20	on mkt buy	AUD	ORD	39,201	39,201
BlackRock Japan Co., Ltd.	16-Aug-18	yes	17.26	on mkt buy	AUD	ORD	15,218	15,218
BlackRock Investment Management (Australia) Limited	16-Aug-18	yes	17.18	on mkt buy	AUD	ORD	3,045	3,045
BlackRock Fund Advisors	16-Aug-18	no	n/a	in specie	AUD	ORD	802	802
BlackRock Advisors (UK) Limited	17-Aug-18	yes	17.27	on mkt buy	AUD	ORD	1,105	1,105
BlackRock Advisors (UK) Limited	17-Aug-18	no	n/a	collateral transfer	AUD	ORD	62,827	62,827
BlackRock Japan Co., Ltd.	20-Aug-18	no	n/a	collateral transfer	AUD	ORD	5,068	5,068
BlackRock Advisors (UK) Limited	20-Aug-18	no	n/a	collateral transfer	AUD	ORD	2,835	2,835
BlackRock Advisors (UK) Limited	21-Aug-18	yes	17.18	on mkt buy	AUD	ORD	91	91
BlackRock Advisors (UK) Limited	21-Aug-18	yes	17.18	on mkt buy	AUD	ORD	123	123
BlackRock Advisors (UK) Limited	24-Aug-18	no	n/a	collateral transfer	AUD	ORD	10,385	10,385
BlackRock Fund Advisors	28-Aug-18	no	n/a	in specie	AUD	ORD	998	998
BlackRock Advisors (UK) Limited	28-Aug-18	no	n/a	collateral transfer	AUD	ORD	15,655	15,655
BlackRock Fund Advisors	29-Aug-18	no	n/a	in specie	AUD	ORD	2,998	2,998
BlackRock Fund Advisors	30-Aug-18	yes	17.74	on mkt buy	AUD	ORD	5,676	5,676
BlackRock Japan Co., Ltd.	31-Aug-18	yes	17.59	on mkt buy	AUD	ORD	24,855	24,855
BlackRock International Limited	31-Aug-18	yes	17.59	on mkt buy	AUD	ORD	5,015	5,015
BlackRock Investment Management (UK) Limited	31-Aug-18	no	n/a	collateral transfer	AUD	ORD	79,555	79,555
BlackRock Investment Management (UK) Limited	03-Sep-18	no	n/a	collateral transfer	AUD	ORD	111,204	111,204
BlackRock Advisors (UK) Limited	04-Sep-18	yes	16.76	on mkt buy	AUD	ORD	840	840
BlackRock Advisors (UK) Limited	04-Sep-18	yes	16.76	on mkt buy	AUD	ORD	286	286
BlackRock Advisors (UK) Limited	04-Sep-18	yes	16.81	on mkt buy	AUD	ORD	5,040	5,040

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected		Person's votes affected
			Cash	Non-cash	CCY			
BlackRock Advisors (UK) Limited	04-Sep-18	yes	16.81	on mkt buy	AUD	ORD	8,400	8,400
BlackRock Japan Co., Ltd.	04-Sep-18	no	n/a	collateral transfer	AUD	ORD	5,454	5,454
BlackRock Investment Management, LLC	04-Sep-18	no	n/a	collateral transfer	AUD	ORD	49,472	49,472
BlackRock Asset Management North Asia Limited	04-Sep-18	no	n/a	collateral transfer	AUD	ORD	55,481	55,481
BlackRock Fund Advisors	05-Sep-18	no	n/a	in specie	AUD	ORD	2,325	2,325
BlackRock Advisors (UK) Limited	05-Sep-18	no	n/a	collateral transfer	AUD	ORD	32,726	32,726
BlackRock Investment Management (UK) Limited	06-Sep-18	yes	16.65	on mkt buy	AUD	ORD	2,451	2,451
BlackRock Fund Advisors	06-Sep-18	no	n/a	in specie	AUD	ORD	639	639
BlackRock Advisors (UK) Limited	07-Sep-18	yes	16.66	on mkt buy	AUD	ORD	286	286
BlackRock Advisors (UK) Limited	07-Sep-18	yes	16.61	on mkt buy	AUD	ORD	6,048	6,048
BlackRock Advisors (UK) Limited	07-Sep-18	yes	16.66	on mkt buy	AUD	ORD	1,992	1,992
BlackRock Fund Advisors	07-Sep-18	no	n/a	in specie	AUD	ORD	930	930
BlackRock Fund Advisors	07-Sep-18	no	n/a	in specie	AUD	ORD	6,402	6,402
BlackRock Fund Advisors	07-Sep-18	no	n/a	in specie	AUD	ORD	4,947	4,947
BlackRock Advisors (UK) Limited	07-Sep-18	no	n/a	collateral transfer	AUD	ORD	122	122
BlackRock Japan Co., Ltd.	10-Sep-18	yes	16.60	on mkt buy	AUD	ORD	10,652	10,652
BlackRock Investment Management (Australia) Limited	10-Sep-18	yes	16.59	on mkt buy	AUD	ORD	1,740	1,740
BlackRock Advisors (UK) Limited	10-Sep-18	yes	16.59	on mkt buy	AUD	ORD	858	858
BlackRock Fund Advisors	10-Sep-18	no	n/a	in specie	AUD	ORD	1,116	1,116
BlackRock Fund Advisors	10-Sep-18	no	n/a	in specie	AUD	ORD	802	802
BlackRock Advisors (UK) Limited	11-Sep-18	yes	16.56	on mkt buy	AUD	ORD	2,595	2,595
BlackRock Fund Advisors	11-Sep-18	no	n/a	in specie	AUD	ORD	70	70
BlackRock Investment Management, LLC	12-Sep-18	yes	16.52	on mkt buy	AUD	ORD	4,053	4,053
BlackRock Japan Co., Ltd.	12-Sep-18	no	n/a	collateral transfer	AUD	ORD	1,106	1,106
BlackRock Advisors (UK) Limited	13-Sep-18	yes	16.48	on mkt buy	AUD	ORD	715	715
BlackRock Advisors (UK) Limited	13-Sep-18	yes	16.48	on mkt buy	AUD	ORD	286	286
BlackRock Fund Advisors	13-Sep-18	no	n/a	in specie	AUD	ORD	1,996	1,996
BlackRock Fund Advisors	13-Sep-18	no	n/a	in specie	AUD	ORD	802	802
BlackRock Investment Management (UK) Limited	14-Sep-18	no	n/a	in specie	AUD	ORD	1,885	1,885
BlackRock Investment Management (UK) Limited	14-Sep-18	no	n/a	in specie	AUD	ORD	3,324	3,324
BlackRock Investment Management (UK) Limited	14-Sep-18	no	n/a	in specie	AUD	ORD	45,526	45,526
BlackRock Investment Management (UK) Limited	14-Sep-18	no	n/a	in specie	AUD	ORD	30,988	30,988
BlackRock Japan Co., Ltd.	17-Sep-18	yes	16.43	on mkt buy	AUD	ORD	1,096	1,096
BlackRock Institutional Trust Company, National Association	18-Sep-18	yes	16.41	on mkt buy	AUD	ORD	3,512	3,512
BlackRock Advisors (UK) Limited	18-Sep-18	yes	16.41	on mkt buy	AUD	ORD	838	838
BlackRock Japan Co., Ltd.	18-Sep-18	no	n/a	collateral transfer	AUD	ORD	44,434	44,434
BlackRock Investment Management (Australia) Limited	19-Sep-18	yes	16.63	on mkt buy	AUD	ORD	18,827	18,827
BlackRock Advisors (UK) Limited	20-Sep-18	yes	16.80	on mkt buy	AUD	ORD	839	839
BlackRock Fund Advisors	20-Sep-18	no	n/a	in specie	AUD	ORD	802	802
BlackRock Japan Co., Ltd.	20-Sep-18	no	n/a	collateral transfer	AUD	ORD	34,078	34,078
BlackRock Institutional Trust Company, National Association	21-Sep-18	yes	17.08	on mkt buy	AUD	ORD	1,442	1,442
BlackRock Institutional Trust Company, National Association	21-Sep-18	yes	17.08	on mkt buy	AUD	ORD	9,025	9,025
BlackRock Asset Management Canada Limited	21-Sep-18	yes	17.08	on mkt buy	AUD	ORD	4,252	4,252
BlackRock Institutional Trust Company, National Association	21-Sep-18	yes	17.08	on mkt buy	AUD	ORD	377	377
BlackRock Fund Advisors	21-Sep-18	no	n/a	in specie	AUD	ORD	802	802
BlackRock Investment Management (UK) Limited	21-Sep-18	no	n/a	in specie	AUD	ORD	7,321	7,321
BlackRock Advisors (UK) Limited	24-Sep-18	yes	17.08	on mkt buy	AUD	ORD	1,001	1,001
BlackRock Japan Co., Ltd.	25-Sep-18	yes	17.13	on mkt buy	AUD	ORD	607	607
BlackRock Fund Advisors	25-Sep-18	no	n/a	in specie	AUD	ORD	802	802
BlackRock Fund Advisors	25-Sep-18	no	n/a	in specie	AUD	ORD	998	998
BlackRock Fund Advisors	25-Sep-18	no	n/a	in specie	AUD	ORD	802	802
BlackRock Fund Advisors	25-Sep-18	no	n/a	in specie	AUD	ORD	1,203	1,203
BlackRock Advisors (UK) Limited	25-Sep-18	no	n/a	in specie	AUD	ORD	2,345	2,345
BlackRock Advisors (UK) Limited	25-Sep-18	no	n/a	collateral transfer	AUD	ORD	8,226	8,226

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Japan Co., Ltd.	26-Sep-18	yes	17.16	on mkt buy	AUD	ORD	608	608
BlackRock Investment Management (Australia) Limited	26-Sep-18	yes	17.17	on mkt buy	AUD	ORD	3,045	3,045
BlackRock Advisors (UK) Limited	26-Sep-18	yes	17.17	on mkt buy	AUD	ORD	864	864
BlackRock Advisors (UK) Limited	26-Sep-18	yes	17.15	on mkt buy	AUD	ORD	4,320	4,320
BlackRock Advisors (UK) Limited	26-Sep-18	yes	17.17	on mkt buy	AUD	ORD	1,287	1,287
BlackRock Advisors (UK) Limited	26-Sep-18	yes	17.17	on mkt buy	AUD	ORD	715	715
BlackRock Investment Management, LLC	26-Sep-18	yes	17.17	on mkt buy	AUD	ORD	2,614	2,614
BlackRock Fund Advisors	26-Sep-18	no	n/a	in specie	AUD	ORD	1,164	1,164
BlackRock Advisors (UK) Limited	26-Sep-18	no	n/a	collateral transfer	AUD	ORD	80,985	80,985
BlackRock Japan Co., Ltd.	27-Sep-18	yes	17.20	on mkt buy	AUD	ORD	605	605
BlackRock Advisors (UK) Limited	27-Sep-18	yes	17.15	on mkt buy	AUD	ORD	608	608
BlackRock Fund Advisors	27-Sep-18	yes	17.15	on mkt buy	AUD	ORD	22,490	22,490
BlackRock Fund Advisors	27-Sep-18	no	n/a	in specie	AUD	ORD	837	837
BlackRock Fund Advisors	27-Sep-18	no	n/a	in specie	AUD	ORD	802	802
BlackRock Institutional Trust Company, National Association	28-Sep-18	no	n/a	in specie	AUD	ORD	1,985	1,985
BlackRock Japan Co., Ltd.	28-Sep-18	yes	17.09	on mkt buy	AUD	ORD	202	202
BlackRock Advisors (UK) Limited	28-Sep-18	yes	17.03	on mkt buy	AUD	ORD	286	286
BlackRock Institutional Trust Company, National Association	28-Sep-18	yes	17.03	on mkt buy	AUD	ORD	22,241	22,241
BlackRock Institutional Trust Company, National Association	28-Sep-18	yes	17.03	on mkt buy	AUD	ORD	3,001	3,001
BlackRock Fund Advisors	28-Sep-18	no	n/a	in specie	AUD	ORD	10,767	10,767
BlackRock Fund Advisors	28-Sep-18	no	n/a	in specie	AUD	ORD	4,365	4,365
BlackRock Fund Advisors	28-Sep-18	no	n/a	in specie	AUD	ORD	802	802
BlackRock Fund Advisors	28-Sep-18	no	n/a	in specie	AUD	ORD	998	998
BlackRock Fund Advisors	01-Oct-18	yes	16.95	on mkt buy	AUD	ORD	3,260	3,260
BlackRock Advisors (UK) Limited	01-Oct-18	no	n/a	collateral transfer	AUD	ORD	12,093	12,093
BlackRock (Netherlands) B.V.	02-Oct-18	yes	17.01	on mkt buy	AUD	ORD	342	342
BlackRock Advisors (UK) Limited	02-Oct-18	yes	17.01	on mkt buy	AUD	ORD	572	572
BlackRock Advisors (UK) Limited	02-Oct-18	yes	17.01	on mkt buy	AUD	ORD	1,050	1,050
BlackRock Institutional Trust Company, National Association	02-Oct-18	yes	17.01	on mkt buy	AUD	ORD	10,678	10,678
BlackRock Investment Management (UK) Limited	02-Oct-18	yes	17.08	on mkt buy	AUD	ORD	3,257	3,257
BlackRock Fund Advisors	02-Oct-18	no	n/a	in specie	AUD	ORD	998	998
BlackRock Investment Management (Australia) Limited	03-Oct-18	yes	17.15	on mkt buy	AUD	ORD	12,432	12,432
BlackRock Institutional Trust Company, National Association	03-Oct-18	yes	17.14	on mkt buy	AUD	ORD	3,878	3,878
BlackRock Advisors (UK) Limited	03-Oct-18	yes	17.14	on mkt buy	AUD	ORD	715	715
BlackRock Investment Management (UK) Limited	03-Oct-18	yes	17.14	on mkt buy	AUD	ORD	3,483	3,483
BlackRock Financial Management, Inc.	03-Oct-18	no	n/a	collateral transfer	AUD	ORD	2,017	2,017
BlackRock Investment Management, LLC	03-Oct-18	no	n/a	collateral transfer	AUD	ORD	14,972	14,972
BlackRock Investment Management (UK) Limited	03-Oct-18	no	n/a	collateral transfer	AUD	ORD	14,169	14,169
BlackRock Advisors (UK) Limited	04-Oct-18	yes	17.36	on mkt buy	AUD	ORD	429	429
BlackRock Investment Management (Australia) Limited	04-Oct-18	yes	17.36	on mkt buy	AUD	ORD	13,928	13,928
BlackRock Fund Advisors	04-Oct-18	no	n/a	in specie	AUD	ORD	637	637
BlackRock Institutional Trust Company, National Association	04-Oct-18	no	n/a	in specie	AUD	ORD	3,595	3,595
BlackRock Japan Co., Ltd.	04-Oct-18	no	n/a	collateral transfer	AUD	ORD	1,327	1,327
BlackRock Investment Management (UK) Limited	04-Oct-18	no	n/a	collateral transfer	AUD	ORD	13,660	13,660
BlackRock Asset Management North Asia Limited	04-Oct-18	no	n/a	collateral transfer	AUD	ORD	7,225	7,225
BlackRock Investment Management (Australia) Limited	05-Oct-18	yes	17.16	on mkt buy	AUD	ORD	319	319
BlackRock Investment Management (Australia) Limited	05-Oct-18	yes	17.16	on mkt buy	AUD	ORD	2,610	2,610
BlackRock Fund Advisors	05-Oct-18	no	n/a	in specie	AUD	ORD	7,566	7,566
BlackRock Advisors (UK) Limited	08-Oct-18	yes	16.89	on mkt buy	AUD	ORD	154	154
BlackRock Advisors (UK) Limited	08-Oct-18	yes	16.89	on mkt buy	AUD	ORD	839	839
BlackRock Fund Advisors	08-Oct-18	no	n/a	in specie	AUD	ORD	802	802
BlackRock Advisors (UK) Limited	08-Oct-18	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Investment Management (UK) Limited	08-Oct-18	no	n/a	collateral transfer	AUD	ORD	24,005	24,005

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected		Person's votes affected
			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	09-Oct-18	no	n/a	in specie	AUD	ORD	34,649	34,649
BlackRock Institutional Trust Company, National Association	09-Oct-18	no	n/a	in specie	AUD	ORD	2,770	2,770
BlackRock Fund Advisors	09-Oct-18	no	n/a	in specie	AUD	ORD	6,603	6,603
BlackRock Fund Advisors	09-Oct-18	no	n/a	in specie	AUD	ORD	2,994	2,994
BlackRock Advisors (UK) Limited	09-Oct-18	no	n/a	collateral transfer	AUD	ORD	9,473	9,473
BlackRock Investment Management (Australia) Limited	10-Oct-18	yes	16.71	on mkt buy	AUD	ORD	22,815	22,815
BlackRock Advisors (UK) Limited	10-Oct-18	yes	16.76	on mkt buy	AUD	ORD	286	286
BlackRock Fund Advisors	10-Oct-18	no	n/a	in specie	AUD	ORD	998	998
BlackRock Advisors (UK) Limited	10-Oct-18	no	n/a	in specie	AUD	ORD	926	926
BlackRock Advisors (UK) Limited	10-Oct-18	no	n/a	in specie	AUD	ORD	2,596	2,596
BlackRock Advisors (UK) Limited	11-Oct-18	yes	16.31	on mkt buy	AUD	ORD	858	858
BlackRock Advisors (UK) Limited	11-Oct-18	yes	16.31	on mkt buy	AUD	ORD	286	286
BlackRock Fund Advisors	11-Oct-18	no	n/a	in specie	AUD	ORD	9,300	9,300
BlackRock Institutional Trust Company, National Association	12-Oct-18	yes	16.45	on mkt buy	AUD	ORD	17,388	17,388
BlackRock Investment Management (Australia) Limited	12-Oct-18	yes	16.44	on mkt buy	AUD	ORD	19,911	19,911
BlackRock Investment Management (UK) Limited	12-Oct-18	no	n/a	in specie	AUD	ORD	1,048	1,048
BlackRock Investment Management (UK) Limited	12-Oct-18	no	n/a	in specie	AUD	ORD	11,603	11,603
BlackRock Investment Management (Australia) Limited	15-Oct-18	yes	16.40	on mkt buy	AUD	ORD	3,031	3,031
BlackRock Advisors (UK) Limited	16-Oct-18	yes	16.42	on mkt buy	AUD	ORD	845	845
BlackRock Fund Advisors	16-Oct-18	yes	16.42	on mkt buy	AUD	ORD	3,079	3,079
BlackRock Advisors (UK) Limited	16-Oct-18	yes	16.42	on mkt buy	AUD	ORD	572	572
BlackRock Fund Advisors	16-Oct-18	no	n/a	in specie	AUD	ORD	8,370	8,370
BlackRock Fund Advisors	16-Oct-18	no	n/a	in specie	AUD	ORD	1,736	1,736
BlackRock Fund Advisors	16-Oct-18	no	n/a	in specie	AUD	ORD	1,240	1,240
BlackRock Investment Management (Australia) Limited	17-Oct-18	yes	16.47	on mkt buy	AUD	ORD	10	10
BlackRock Investment Management (Australia) Limited	17-Oct-18	yes	16.47	on mkt buy	AUD	ORD	21	21
BlackRock Investment Management (Australia) Limited	17-Oct-18	yes	16.64	on mkt buy	AUD	ORD	24,339	24,339
BlackRock Investment Management (Australia) Limited	17-Oct-18	yes	16.64	on mkt buy	AUD	ORD	12,901	12,901
BlackRock Investment Management (Australia) Limited	17-Oct-18	yes	16.64	on mkt buy	AUD	ORD	28,464	28,464
BlackRock Fund Advisors	17-Oct-18	no	n/a	in specie	AUD	ORD	3,224	3,224

This is Annexure C of 1 pages referred to in form 603 Notice of initial substantial shareholder

Maria Tricarico,
Authorised Signatory

19-Oct-18
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 (Singapore) Limited	20 Anson Road #18-01 079912 Singapore
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 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)

This is Annexure D of 1 page referred to in form 603 Notice of initial substantial shareholder

-----19-Oct-18-----
 Maria Tricarico, Authorised Signatory Date

Type of agreement:	Global Master Securities Lending Agreement
Parties to agreement:	Party A - Citigroup Global Markets Limited Party B - HSBC Institutional Trust Services (Asia) Limited
Transfer date:	Refer to Annexure B (transactions identified as collateral transfers)
Holder of voting rights:	BlackRock Asset Management North Asia Limited (as investment manager for the funds)
Are there any restrictions on voting rights? If yes, detail	Yes. Unless otherwise agreed between the parties, the Registered Owner will not exercise any voting rights.
Scheduled return date (if any):	Not applicable.
Does the borrower have the right to return early? If yes, detail	Yes. Upon an Event of Default under the GMSLA, the GMSLA provides, broadly, that both parties payment and delivery obligations will be accelerated and replaced with an obligation of one party to pay a single cash sum to the other determined in accordance with the provisions of the GMSLA (as modified by the Annex). The GMSLA provides that the parties' right to terminate the Agreement upon notice will not affect the parties' existing obligations in respect of any outstanding loans of securities. The Annex amended and restricted the Borrower's termination rights – i.e. Borrower may not have the right to terminate and return the borrowed securities - as the Borrower was to borrow the securities issued by it (or its sister company) to provide protection against the insolvency of the issuer and so usual rights of termination in a GMSLA were restricted. Subject to the terms of the relevant Loan, the Borrower, may early terminate a Loan and return Equivalent Securities at any time provided that it "shall cease to have such entitlement if an Act of Insolvency with respect to any Security Issuer or any of the Borrower's or any Security Issuer's affiliates has occurred, or any such person takes any steps preparatory to any of the matters which would constitute an Act of Insolvency"
Does the lender have the right to recall early? If yes, detail	Yes, at notice.
Will the securities be returned on settlement? If yes, detail any exceptions	Yes.

A copy of this agreement will be provided to ORICA LTD or the Australian Securities and Investments Commission upon request.