

**Form 603**Corporations Act 2001  
Section 671B**Notice of initial substantial holder**To Company Name/Scheme Emerald Resources NLACN/ARSN 009 795 046**1. Details of substantial holder (1)**Name T. Rowe Price Associates, Inc.

ACN/ARSN (if applicable) \_\_\_\_\_

The holder became a substantial holder on 14 07 2023**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)
Ordinary Shares	34,089,932	34,089,932	5.72%

**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
T. Rowe Price International Ltd	Power to exercise vote and/or dispose of securities as discretionary investment managers	32,945,882
T. Rowe Price Associates, Inc.		1,114,812
T. Rowe Price Japan, Inc.		29,238

**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 1			

**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 2				

**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
T. Rowe Price Associates, Inc. T. Rowe Price International Ltd	T. Rowe Price International Ltd is a wholly owned subsidiary of T. Rowe Price Associates, Inc.
T. Rowe Price Japan, Inc.	T. Rowe Price Japan, Inc. is a wholly owned subsidiary of T. Rowe Price Associates, Inc.

**7. Addresses**

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

Name	Address
T. Rowe Price Associates, Inc.	100 East Pratt Street, Baltimore, MD 21202
T. Rowe Price International Ltd	60 Queen Victoria Street, London, EC4N 4TZ, United Kingdom
T. Rowe Price Japan, Inc.	GranTokyo South Tower, 10th Floor, 1-9-2 Marunouchi, Chiyoda-ku, Tokyo, Japan, 100-6610, Japan

**Signature**

print name **Gary Greb**

capacity **Vice President**

sign here



date / /

18 07 2023

**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.

Annexure 1

<b>Holder of Relevant Interest</b>	<b>Registered holder of securities</b>	<b>Person entitled to be registered as holder (8)</b>	<b>Class and number of securities</b>
T. Rowe Price Associates, Inc.	Bank of New York Mellon	Bank of New York Mellon	1,000,563 ordinary shares
T. Rowe Price Associates, Inc.	JP Morgan Chase	JP Morgan Chase	9,867 ordinary shares
T. Rowe Price Associates, Inc.	State Street Bank & Trust Co	State Street Bank & Trust Co	104,382 ordinary shares
T. Rowe Price International Ltd.	State Street Bank & Trust Co	State Street Bank & Trust Co	32,945,882 ordinary shares
T. Rowe Price Japan, Inc.	JP Morgan Chase	JP Morgan Chase	29,238 ordinary shares

This is annexure 1 referred to on page 1 of Form 603 (Notice of initial substantial holder)



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Gary Greb, Vice President

18-Jul-23

## Annexure 2

<b>Holder of Relevant Interest</b>	<b>Date of Acquisition</b>	<b>Consideration (cash - AUD)</b>	<b>Number of Shares</b>	<b>Class</b>
T. Rowe Price Associates, Inc.	18-Apr-23	1.720	88,361	Ordinary
T. Rowe Price Associates, Inc.	18-Apr-23	1.655	961	Ordinary
T. Rowe Price Japan, Inc.	18-Apr-23	1.720	2,104	Ordinary
T. Rowe Price Japan, Inc.	18-Apr-23	1.655	23	Ordinary
T. Rowe Price Associates, Inc.	18-Apr-23	1.720	636	Ordinary
T. Rowe Price Associates, Inc.	18-Apr-23	1.655	7	Ordinary
T. Rowe Price Associates, Inc.	18-Apr-23	1.720	3,356	Ordinary
T. Rowe Price Associates, Inc.	18-Apr-23	1.655	36	Ordinary
T. Rowe Price Japan, Inc.	18-Apr-23	1.720	317	Ordinary
T. Rowe Price Japan, Inc.	18-Apr-23	1.655	3	Ordinary
T. Rowe Price Associates, Inc.	18-Apr-23	1.720	6,442	Ordinary
T. Rowe Price Associates, Inc.	18-Apr-23	1.655	70	Ordinary
T. Rowe Price International Ltd.	18-Apr-23	1.720	707,686	Ordinary
T. Rowe Price International Ltd.	18-Apr-23	1.655	7,694	Ordinary
T. Rowe Price International Ltd.	18-Apr-23	1.720	637,167	Ordinary
T. Rowe Price International Ltd.	18-Apr-23	1.655	6,927	Ordinary
T. Rowe Price International Ltd.	18-Apr-23	1.720	788,708	Ordinary
T. Rowe Price International Ltd.	18-Apr-23	1.655	8,574	Ordinary
T. Rowe Price International Ltd.	18-Apr-23	1.720	693,708	Ordinary
T. Rowe Price International Ltd.	18-Apr-23	1.655	7,542	Ordinary
T. Rowe Price Associates, Inc.	18-Apr-23	1.720	540	Ordinary
T. Rowe Price Associates, Inc.	18-Apr-23	1.655	6	Ordinary
T. Rowe Price Associates, Inc.	18-Apr-23	1.720	497	Ordinary
T. Rowe Price Associates, Inc.	18-Apr-23	1.655	5	Ordinary
T. Rowe Price Associates, Inc.	19-Apr-23	1.750	53,233	Ordinary
T. Rowe Price Associates, Inc.	19-Apr-23	1.743	8,174	Ordinary
T. Rowe Price Japan, Inc.	19-Apr-23	1.750	1,267	Ordinary
T. Rowe Price Japan, Inc.	19-Apr-23	1.743	195	Ordinary
T. Rowe Price Associates, Inc.	19-Apr-23	1.750	383	Ordinary
T. Rowe Price Associates, Inc.	19-Apr-23	1.743	59	Ordinary
T. Rowe Price Associates, Inc.	19-Apr-23	1.750	2,022	Ordinary
T. Rowe Price Associates, Inc.	19-Apr-23	1.743	310	Ordinary
T. Rowe Price Japan, Inc.	19-Apr-23	1.750	191	Ordinary
T. Rowe Price Japan, Inc.	19-Apr-23	1.743	29	Ordinary
T. Rowe Price Associates, Inc.	19-Apr-23	1.750	3,881	Ordinary
T. Rowe Price Associates, Inc.	19-Apr-23	1.743	596	Ordinary
T. Rowe Price International Ltd.	19-Apr-23	1.750	426,341	Ordinary
T. Rowe Price International Ltd.	19-Apr-23	1.743	65,469	Ordinary
T. Rowe Price International Ltd.	19-Apr-23	1.750	383,857	Ordinary
T. Rowe Price International Ltd.	19-Apr-23	1.743	58,945	Ordinary
T. Rowe Price International Ltd.	19-Apr-23	1.750	475,152	Ordinary
T. Rowe Price International Ltd.	19-Apr-23	1.743	72,964	Ordinary
T. Rowe Price International Ltd.	19-Apr-23	1.750	417,920	Ordinary
T. Rowe Price International Ltd.	19-Apr-23	1.743	64,176	Ordinary
T. Rowe Price Associates, Inc.	19-Apr-23	1.750	325	Ordinary

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T. Rowe Price Associates, Inc.	19-Apr-23	1.743	50	Ordinary
T. Rowe Price Associates, Inc.	19-Apr-23	1.750	299	Ordinary
T. Rowe Price Associates, Inc.	19-Apr-23	1.743	46	Ordinary
T. Rowe Price Associates, Inc.	20-Apr-23	1.750	1,920	Ordinary
T. Rowe Price Japan, Inc.	20-Apr-23	1.750	46	Ordinary
T. Rowe Price Associates, Inc.	20-Apr-23	1.750	14	Ordinary
T. Rowe Price Associates, Inc.	20-Apr-23	1.750	73	Ordinary
T. Rowe Price Japan, Inc.	20-Apr-23	1.750	7	Ordinary
T. Rowe Price Associates, Inc.	20-Apr-23	1.750	140	Ordinary
T. Rowe Price International Ltd.	20-Apr-23	1.750	15,381	Ordinary
T. Rowe Price International Ltd.	20-Apr-23	1.750	13,848	Ordinary
T. Rowe Price International Ltd.	20-Apr-23	1.750	17,142	Ordinary
T. Rowe Price International Ltd.	20-Apr-23	1.750	15,077	Ordinary
T. Rowe Price Associates, Inc.	20-Apr-23	1.750	12	Ordinary
T. Rowe Price Associates, Inc.	20-Apr-23	1.750	11	Ordinary
T. Rowe Price Associates, Inc.	21-Apr-23	1.817	84,995	Ordinary
T. Rowe Price Associates, Inc.	21-Apr-23	1.814	16,842	Ordinary
T. Rowe Price Japan, Inc.	21-Apr-23	1.817	2,024	Ordinary
T. Rowe Price Japan, Inc.	21-Apr-23	1.814	401	Ordinary
T. Rowe Price Associates, Inc.	21-Apr-23	1.817	612	Ordinary
T. Rowe Price Associates, Inc.	21-Apr-23	1.814	121	Ordinary
T. Rowe Price Associates, Inc.	21-Apr-23	1.817	3,227	Ordinary
T. Rowe Price Associates, Inc.	21-Apr-23	1.814	640	Ordinary
T. Rowe Price Japan, Inc.	21-Apr-23	1.817	305	Ordinary
T. Rowe Price Japan, Inc.	21-Apr-23	1.814	60	Ordinary
T. Rowe Price Associates, Inc.	21-Apr-23	1.817	6,196	Ordinary
T. Rowe Price Associates, Inc.	21-Apr-23	1.814	1,228	Ordinary
T. Rowe Price International Ltd.	21-Apr-23	1.817	680,725	Ordinary
T. Rowe Price International Ltd.	21-Apr-23	1.814	134,888	Ordinary
T. Rowe Price International Ltd.	21-Apr-23	1.817	612,892	Ordinary
T. Rowe Price International Ltd.	21-Apr-23	1.814	121,447	Ordinary
T. Rowe Price International Ltd.	21-Apr-23	1.817	758,660	Ordinary
T. Rowe Price International Ltd.	21-Apr-23	1.814	150,331	Ordinary
T. Rowe Price International Ltd.	21-Apr-23	1.817	667,279	Ordinary
T. Rowe Price International Ltd.	21-Apr-23	1.814	132,224	Ordinary
T. Rowe Price Associates, Inc.	21-Apr-23	1.817	519	Ordinary
T. Rowe Price Associates, Inc.	21-Apr-23	1.814	103	Ordinary
T. Rowe Price Associates, Inc.	21-Apr-23	1.817	477	Ordinary
T. Rowe Price Associates, Inc.	21-Apr-23	1.814	95	Ordinary
T. Rowe Price Associates, Inc.	24-Apr-23	1.785	2,571	Ordinary
T. Rowe Price Japan, Inc.	24-Apr-23	1.785	61	Ordinary
T. Rowe Price Associates, Inc.	24-Apr-23	1.785	19	Ordinary
T. Rowe Price Associates, Inc.	24-Apr-23	1.785	98	Ordinary
T. Rowe Price Japan, Inc.	24-Apr-23	1.785	9	Ordinary
T. Rowe Price Associates, Inc.	24-Apr-23	1.785	187	Ordinary
T. Rowe Price International Ltd.	24-Apr-23	1.785	20,591	Ordinary
T. Rowe Price International Ltd.	24-Apr-23	1.785	18,539	Ordinary

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T. Rowe Price International Ltd.	24-Apr-23	1.785	22,949	Ordinary
T. Rowe Price International Ltd.	24-Apr-23	1.785	20,184	Ordinary
T. Rowe Price Associates, Inc.	24-Apr-23	1.785	16	Ordinary
T. Rowe Price Associates, Inc.	24-Apr-23	1.785	14	Ordinary
T. Rowe Price Associates, Inc.	26-Apr-23	1.810	18,359	Ordinary
T. Rowe Price Associates, Inc.	26-Apr-23	1.807	10,743	Ordinary
T. Rowe Price Japan, Inc.	26-Apr-23	1.810	437	Ordinary
T. Rowe Price Japan, Inc.	26-Apr-23	1.807	256	Ordinary
T. Rowe Price Associates, Inc.	26-Apr-23	1.810	132	Ordinary
T. Rowe Price Associates, Inc.	26-Apr-23	1.807	78	Ordinary
T. Rowe Price Associates, Inc.	26-Apr-23	1.810	697	Ordinary
T. Rowe Price Associates, Inc.	26-Apr-23	1.807	408	Ordinary
T. Rowe Price Japan, Inc.	26-Apr-23	1.810	66	Ordinary
T. Rowe Price Japan, Inc.	26-Apr-23	1.807	38	Ordinary
T. Rowe Price Associates, Inc.	26-Apr-23	1.810	1,339	Ordinary
T. Rowe Price Associates, Inc.	26-Apr-23	1.807	783	Ordinary
T. Rowe Price International Ltd.	26-Apr-23	1.810	147,034	Ordinary
T. Rowe Price International Ltd.	26-Apr-23	1.807	86,042	Ordinary
T. Rowe Price International Ltd.	26-Apr-23	1.810	132,383	Ordinary
T. Rowe Price International Ltd.	26-Apr-23	1.807	77,468	Ordinary
T. Rowe Price International Ltd.	26-Apr-23	1.810	163,868	Ordinary
T. Rowe Price International Ltd.	26-Apr-23	1.807	95,893	Ordinary
T. Rowe Price International Ltd.	26-Apr-23	1.810	144,130	Ordinary
T. Rowe Price International Ltd.	26-Apr-23	1.807	84,343	Ordinary
T. Rowe Price Associates, Inc.	26-Apr-23	1.810	112	Ordinary
T. Rowe Price Associates, Inc.	26-Apr-23	1.807	66	Ordinary
T. Rowe Price Associates, Inc.	26-Apr-23	1.810	103	Ordinary
T. Rowe Price Associates, Inc.	26-Apr-23	1.807	60	Ordinary
T. Rowe Price Associates, Inc.	27-Apr-23	1.794	29,722	Ordinary
T. Rowe Price Japan, Inc.	27-Apr-23	1.794	708	Ordinary
T. Rowe Price Associates, Inc.	27-Apr-23	1.794	214	Ordinary
T. Rowe Price Associates, Inc.	27-Apr-23	1.794	1,128	Ordinary
T. Rowe Price Japan, Inc.	27-Apr-23	1.794	106	Ordinary
T. Rowe Price Associates, Inc.	27-Apr-23	1.794	2,167	Ordinary
T. Rowe Price International Ltd.	27-Apr-23	1.794	238,047	Ordinary
T. Rowe Price International Ltd.	27-Apr-23	1.794	214,327	Ordinary
T. Rowe Price International Ltd.	27-Apr-23	1.794	265,301	Ordinary
T. Rowe Price International Ltd.	27-Apr-23	1.794	233,346	Ordinary
T. Rowe Price Associates, Inc.	27-Apr-23	1.794	182	Ordinary
T. Rowe Price Associates, Inc.	27-Apr-23	1.794	167	Ordinary
T. Rowe Price Associates, Inc.	28-Apr-23	1.889	7,609	Ordinary
T. Rowe Price Japan, Inc.	28-Apr-23	1.889	181	Ordinary
T. Rowe Price Associates, Inc.	28-Apr-23	1.889	55	Ordinary
T. Rowe Price Associates, Inc.	28-Apr-23	1.889	289	Ordinary
T. Rowe Price Japan, Inc.	28-Apr-23	1.889	27	Ordinary
T. Rowe Price Associates, Inc.	28-Apr-23	1.889	555	Ordinary
T. Rowe Price International Ltd.	28-Apr-23	1.889	60,940	Ordinary

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T. Rowe Price International Ltd.	28-Apr-23	1.889	54,868	Ordinary
T. Rowe Price International Ltd.	28-Apr-23	1.889	67,917	Ordinary
T. Rowe Price International Ltd.	28-Apr-23	1.889	59,736	Ordinary
T. Rowe Price Associates, Inc.	28-Apr-23	1.889	46	Ordinary
T. Rowe Price Associates, Inc.	28-Apr-23	1.889	43	Ordinary
T. Rowe Price Associates, Inc.	1-May-23	1.917	6,156	Ordinary
T. Rowe Price Associates, Inc.	1-May-23	1.900	13,966	Ordinary
T. Rowe Price Japan, Inc.	1-May-23	1.917	147	Ordinary
T. Rowe Price Japan, Inc.	1-May-23	1.900	332	Ordinary
T. Rowe Price Associates, Inc.	1-May-23	1.917	44	Ordinary
T. Rowe Price Associates, Inc.	1-May-23	1.900	101	Ordinary
T. Rowe Price Associates, Inc.	1-May-23	1.917	234	Ordinary
T. Rowe Price Associates, Inc.	1-May-23	1.900	530	Ordinary
T. Rowe Price Japan, Inc.	1-May-23	1.917	22	Ordinary
T. Rowe Price Japan, Inc.	1-May-23	1.900	50	Ordinary
T. Rowe Price Associates, Inc.	1-May-23	1.917	448	Ordinary
T. Rowe Price Associates, Inc.	1-May-23	1.900	1,018	Ordinary
T. Rowe Price International Ltd.	1-May-23	1.917	49,300	Ordinary
T. Rowe Price International Ltd.	1-May-23	1.900	111,858	Ordinary
T. Rowe Price International Ltd.	1-May-23	1.917	44,387	Ordinary
T. Rowe Price International Ltd.	1-May-23	1.900	100,712	Ordinary
T. Rowe Price International Ltd.	1-May-23	1.917	54,945	Ordinary
T. Rowe Price International Ltd.	1-May-23	1.900	124,663	Ordinary
T. Rowe Price International Ltd.	1-May-23	1.917	48,326	Ordinary
T. Rowe Price International Ltd.	1-May-23	1.900	109,649	Ordinary
T. Rowe Price Associates, Inc.	1-May-23	1.917	38	Ordinary
T. Rowe Price Associates, Inc.	1-May-23	1.900	85	Ordinary
T. Rowe Price Associates, Inc.	1-May-23	1.917	35	Ordinary
T. Rowe Price Associates, Inc.	1-May-23	1.900	78	Ordinary
T. Rowe Price Associates, Inc.	2-May-23	1.914	1,925	Ordinary
T. Rowe Price Japan, Inc.	2-May-23	1.914	46	Ordinary
T. Rowe Price Associates, Inc.	2-May-23	1.914	14	Ordinary
T. Rowe Price Associates, Inc.	2-May-23	1.914	73	Ordinary
T. Rowe Price Japan, Inc.	2-May-23	1.914	7	Ordinary
T. Rowe Price Associates, Inc.	2-May-23	1.914	140	Ordinary
T. Rowe Price International Ltd.	2-May-23	1.914	15,415	Ordinary
T. Rowe Price International Ltd.	2-May-23	1.914	13,878	Ordinary
T. Rowe Price International Ltd.	2-May-23	1.914	17,179	Ordinary
T. Rowe Price International Ltd.	2-May-23	1.914	15,110	Ordinary
T. Rowe Price Associates, Inc.	2-May-23	1.914	12	Ordinary
T. Rowe Price Associates, Inc.	2-May-23	1.914	11	Ordinary
T. Rowe Price Associates, Inc.	3-May-23	1.910	33,600	Ordinary
T. Rowe Price Japan, Inc.	3-May-23	1.910	800	Ordinary
T. Rowe Price Associates, Inc.	3-May-23	1.910	241	Ordinary
T. Rowe Price Associates, Inc.	3-May-23	1.910	1,276	Ordinary
T. Rowe Price Japan, Inc.	3-May-23	1.910	121	Ordinary
T. Rowe Price Associates, Inc.	3-May-23	1.910	2,450	Ordinary

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T. Rowe Price International Ltd.	3-May-23	1.910	269,110	Ordinary
T. Rowe Price International Ltd.	3-May-23	1.910	242,295	Ordinary
T. Rowe Price International Ltd.	3-May-23	1.910	299,922	Ordinary
T. Rowe Price International Ltd.	3-May-23	1.910	263,796	Ordinary
T. Rowe Price Associates, Inc.	3-May-23	1.910	205	Ordinary
T. Rowe Price Associates, Inc.	3-May-23	1.910	189	Ordinary
T. Rowe Price Associates, Inc.	9-May-23	1.925	24,497	Ordinary
T. Rowe Price Associates, Inc.	9-May-23	1.884	33,845	Ordinary
T. Rowe Price Japan, Inc.	9-May-23	1.925	586	Ordinary
T. Rowe Price Japan, Inc.	9-May-23	1.884	809	Ordinary
T. Rowe Price Associates, Inc.	9-May-23	1.925	148	Ordinary
T. Rowe Price Associates, Inc.	9-May-23	1.884	204	Ordinary
T. Rowe Price Associates, Inc.	9-May-23	1.925	904	Ordinary
T. Rowe Price Associates, Inc.	9-May-23	1.884	1,248	Ordinary
T. Rowe Price Japan, Inc.	9-May-23	1.925	85	Ordinary
T. Rowe Price Japan, Inc.	9-May-23	1.884	118	Ordinary
T. Rowe Price Associates, Inc.	9-May-23	1.925	1,731	Ordinary
T. Rowe Price Associates, Inc.	9-May-23	1.884	2,392	Ordinary
T. Rowe Price International Ltd.	9-May-23	1.925	202,021	Ordinary
T. Rowe Price International Ltd.	9-May-23	1.884	279,112	Ordinary
T. Rowe Price International Ltd.	9-May-23	1.925	138,760	Ordinary
T. Rowe Price International Ltd.	9-May-23	1.884	191,711	Ordinary
T. Rowe Price International Ltd.	9-May-23	1.925	223,327	Ordinary
T. Rowe Price International Ltd.	9-May-23	1.884	308,547	Ordinary
T. Rowe Price International Ltd.	9-May-23	1.925	151,982	Ordinary
T. Rowe Price International Ltd.	9-May-23	1.884	209,978	Ordinary
T. Rowe Price Associates, Inc.	9-May-23	1.925	148	Ordinary
T. Rowe Price Associates, Inc.	9-May-23	1.884	205	Ordinary
T. Rowe Price Associates, Inc.	9-May-23	1.925	91	Ordinary
T. Rowe Price Associates, Inc.	9-May-23	1.884	125	Ordinary
T. Rowe Price Associates, Inc.	10-May-23	1.924	7,723	Ordinary
T. Rowe Price Japan, Inc.	10-May-23	1.924	184	Ordinary
T. Rowe Price Associates, Inc.	10-May-23	1.924	46	Ordinary
T. Rowe Price Associates, Inc.	10-May-23	1.924	285	Ordinary
T. Rowe Price Japan, Inc.	10-May-23	1.924	27	Ordinary
T. Rowe Price Associates, Inc.	10-May-23	1.924	546	Ordinary
T. Rowe Price International Ltd.	10-May-23	1.924	63,689	Ordinary
T. Rowe Price International Ltd.	10-May-23	1.924	43,745	Ordinary
T. Rowe Price International Ltd.	10-May-23	1.924	70,406	Ordinary
T. Rowe Price International Ltd.	10-May-23	1.924	47,914	Ordinary
T. Rowe Price Associates, Inc.	10-May-23	1.924	47	Ordinary
T. Rowe Price Associates, Inc.	10-May-23	1.924	29	Ordinary
T. Rowe Price Associates, Inc.	11-May-23	1.922	5,813	Ordinary
T. Rowe Price Japan, Inc.	11-May-23	1.922	139	Ordinary
T. Rowe Price Associates, Inc.	11-May-23	1.922	35	Ordinary
T. Rowe Price Associates, Inc.	11-May-23	1.922	214	Ordinary
T. Rowe Price Japan, Inc.	11-May-23	1.922	20	Ordinary



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T. Rowe Price Associates, Inc.	11-May-23	1.922	411	Ordinary
T. Rowe Price International Ltd.	11-May-23	1.922	47,937	Ordinary
T. Rowe Price International Ltd.	11-May-23	1.922	32,926	Ordinary
T. Rowe Price International Ltd.	11-May-23	1.922	52,992	Ordinary
T. Rowe Price International Ltd.	11-May-23	1.922	36,063	Ordinary
T. Rowe Price Associates, Inc.	11-May-23	1.922	35	Ordinary
T. Rowe Price Associates, Inc.	11-May-23	1.922	22	Ordinary
T. Rowe Price Associates, Inc.	12-May-23	1.880	4,628	Ordinary
T. Rowe Price Japan, Inc.	12-May-23	1.880	111	Ordinary
T. Rowe Price Associates, Inc.	12-May-23	1.880	28	Ordinary
T. Rowe Price Associates, Inc.	12-May-23	1.880	171	Ordinary
T. Rowe Price Japan, Inc.	12-May-23	1.880	16	Ordinary
T. Rowe Price Associates, Inc.	12-May-23	1.880	327	Ordinary
T. Rowe Price International Ltd.	12-May-23	1.880	38,167	Ordinary
T. Rowe Price International Ltd.	12-May-23	1.880	26,216	Ordinary
T. Rowe Price International Ltd.	12-May-23	1.880	42,192	Ordinary
T. Rowe Price International Ltd.	12-May-23	1.880	28,714	Ordinary
T. Rowe Price Associates, Inc.	12-May-23	1.880	28	Ordinary
T. Rowe Price Associates, Inc.	12-May-23	1.880	17	Ordinary
T. Rowe Price Associates, Inc.	15-May-23	1.950	3,562	Ordinary
T. Rowe Price Japan, Inc.	15-May-23	1.950	85	Ordinary
T. Rowe Price Associates, Inc.	15-May-23	1.950	22	Ordinary
T. Rowe Price Associates, Inc.	15-May-23	1.950	131	Ordinary
T. Rowe Price Japan, Inc.	15-May-23	1.950	12	Ordinary
T. Rowe Price Associates, Inc.	15-May-23	1.950	252	Ordinary
T. Rowe Price International Ltd.	15-May-23	1.950	29,371	Ordinary
T. Rowe Price International Ltd.	15-May-23	1.950	20,174	Ordinary
T. Rowe Price International Ltd.	15-May-23	1.950	32,469	Ordinary
T. Rowe Price International Ltd.	15-May-23	1.950	22,096	Ordinary
T. Rowe Price Associates, Inc.	15-May-23	1.950	22	Ordinary
T. Rowe Price Associates, Inc.	15-May-23	1.950	13	Ordinary
T. Rowe Price Associates, Inc.	16-May-23	1.940	64,427	Ordinary
T. Rowe Price Associates, Inc.	16-May-23	1.940	25	Ordinary
T. Rowe Price Japan, Inc.	16-May-23	1.940	1,540	Ordinary
T. Rowe Price Japan, Inc.	16-May-23	1.940	1	Ordinary
T. Rowe Price Associates, Inc.	16-May-23	1.940	389	Ordinary
T. Rowe Price Associates, Inc.	16-May-23	1.940	2,377	Ordinary
T. Rowe Price Associates, Inc.	16-May-23	1.940	1	Ordinary
T. Rowe Price Japan, Inc.	16-May-23	1.940	224	Ordinary
T. Rowe Price Associates, Inc.	16-May-23	1.940	4,553	Ordinary
T. Rowe Price Associates, Inc.	16-May-23	1.940	2	Ordinary
T. Rowe Price International Ltd.	16-May-23	1.940	531,318	Ordinary
T. Rowe Price International Ltd.	16-May-23	1.940	208	Ordinary
T. Rowe Price International Ltd.	16-May-23	1.940	364,941	Ordinary
T. Rowe Price International Ltd.	16-May-23	1.940	143	Ordinary
T. Rowe Price International Ltd.	16-May-23	1.940	587,354	Ordinary
T. Rowe Price International Ltd.	16-May-23	1.940	229	Ordinary

## Annexure 2

T. Rowe Price International Ltd.	16-May-23	1.940	399,716	Ordinary
T. Rowe Price International Ltd.	16-May-23	1.940	156	Ordinary
T. Rowe Price Associates, Inc.	16-May-23	1.940	389	Ordinary
T. Rowe Price Associates, Inc.	16-May-23	1.940	239	Ordinary
T. Rowe Price Associates, Inc.	18-May-23	1.935	57,269	Ordinary
T. Rowe Price Associates, Inc.	18-May-23	1.958	9,857	Ordinary
T. Rowe Price Japan, Inc.	18-May-23	1.935	1,369	Ordinary
T. Rowe Price Japan, Inc.	18-May-23	1.958	236	Ordinary
T. Rowe Price Associates, Inc.	18-May-23	1.935	346	Ordinary
T. Rowe Price Associates, Inc.	18-May-23	1.958	59	Ordinary
T. Rowe Price Associates, Inc.	18-May-23	1.935	2,112	Ordinary
T. Rowe Price Associates, Inc.	18-May-23	1.958	364	Ordinary
T. Rowe Price Japan, Inc.	18-May-23	1.935	199	Ordinary
T. Rowe Price Japan, Inc.	18-May-23	1.958	34	Ordinary
T. Rowe Price Associates, Inc.	18-May-23	1.935	4,047	Ordinary
T. Rowe Price Associates, Inc.	18-May-23	1.958	697	Ordinary
T. Rowe Price International Ltd.	18-May-23	1.935	472,283	Ordinary
T. Rowe Price International Ltd.	18-May-23	1.958	81,288	Ordinary
T. Rowe Price International Ltd.	18-May-23	1.935	324,393	Ordinary
T. Rowe Price International Ltd.	18-May-23	1.958	55,834	Ordinary
T. Rowe Price International Ltd.	18-May-23	1.935	522,091	Ordinary
T. Rowe Price International Ltd.	18-May-23	1.958	89,862	Ordinary
T. Rowe Price International Ltd.	18-May-23	1.935	355,303	Ordinary
T. Rowe Price International Ltd.	18-May-23	1.958	61,154	Ordinary
T. Rowe Price Associates, Inc.	18-May-23	1.935	346	Ordinary
T. Rowe Price Associates, Inc.	18-May-23	1.958	60	Ordinary
T. Rowe Price Associates, Inc.	18-May-23	1.935	212	Ordinary
T. Rowe Price Associates, Inc.	18-May-23	1.958	37	Ordinary
T. Rowe Price Associates, Inc.	19-May-23	1.910	13,228	Ordinary
T. Rowe Price Japan, Inc.	19-May-23	1.910	316	Ordinary
T. Rowe Price Associates, Inc.	19-May-23	1.910	80	Ordinary
T. Rowe Price Associates, Inc.	19-May-23	1.910	488	Ordinary
T. Rowe Price Japan, Inc.	19-May-23	1.910	46	Ordinary
T. Rowe Price Associates, Inc.	19-May-23	1.910	935	Ordinary
T. Rowe Price International Ltd.	19-May-23	1.910	109,091	Ordinary
T. Rowe Price International Ltd.	19-May-23	1.910	74,931	Ordinary
T. Rowe Price International Ltd.	19-May-23	1.910	120,597	Ordinary
T. Rowe Price International Ltd.	19-May-23	1.910	82,070	Ordinary
T. Rowe Price Associates, Inc.	19-May-23	1.910	80	Ordinary
T. Rowe Price Associates, Inc.	19-May-23	1.910	49	Ordinary
T. Rowe Price Associates, Inc.	22-May-23	1.890	3,986	Ordinary
T. Rowe Price Associates, Inc.	22-May-23	1.898	12,123	Ordinary
T. Rowe Price Japan, Inc.	22-May-23	1.890	95	Ordinary
T. Rowe Price Japan, Inc.	22-May-23	1.898	290	Ordinary
T. Rowe Price Associates, Inc.	22-May-23	1.890	24	Ordinary
T. Rowe Price Associates, Inc.	22-May-23	1.898	73	Ordinary
T. Rowe Price Associates, Inc.	22-May-23	1.890	147	Ordinary

## Annexure 2

T. Rowe Price Associates, Inc.	22-May-23	1.898	447	Ordinary
T. Rowe Price Japan, Inc.	22-May-23	1.890	14	Ordinary
T. Rowe Price Japan, Inc.	22-May-23	1.898	42	Ordinary
T. Rowe Price Associates, Inc.	22-May-23	1.890	282	Ordinary
T. Rowe Price Associates, Inc.	22-May-23	1.898	856	Ordinary
T. Rowe Price International Ltd.	22-May-23	1.890	32,867	Ordinary
T. Rowe Price International Ltd.	22-May-23	1.898	99,977	Ordinary
T. Rowe Price International Ltd.	22-May-23	1.890	22,575	Ordinary
T. Rowe Price International Ltd.	22-May-23	1.898	68,671	Ordinary
T. Rowe Price International Ltd.	22-May-23	1.890	36,334	Ordinary
T. Rowe Price International Ltd.	22-May-23	1.898	110,521	Ordinary
T. Rowe Price International Ltd.	22-May-23	1.890	24,726	Ordinary
T. Rowe Price International Ltd.	22-May-23	1.898	75,214	Ordinary
T. Rowe Price Associates, Inc.	22-May-23	1.890	24	Ordinary
T. Rowe Price Associates, Inc.	22-May-23	1.898	73	Ordinary
T. Rowe Price Associates, Inc.	22-May-23	1.890	15	Ordinary
T. Rowe Price Associates, Inc.	22-May-23	1.898	45	Ordinary
T. Rowe Price Associates, Inc.	23-May-23	1.940	421	Ordinary
T. Rowe Price Associates, Inc.	23-May-23	1.950	33,974	Ordinary
T. Rowe Price Japan, Inc.	23-May-23	1.940	10	Ordinary
T. Rowe Price Japan, Inc.	23-May-23	1.950	813	Ordinary
T. Rowe Price Associates, Inc.	23-May-23	1.940	3	Ordinary
T. Rowe Price Associates, Inc.	23-May-23	1.950	205	Ordinary
T. Rowe Price Associates, Inc.	23-May-23	1.940	16	Ordinary
T. Rowe Price Associates, Inc.	23-May-23	1.950	1,253	Ordinary
T. Rowe Price Japan, Inc.	23-May-23	1.940	1	Ordinary
T. Rowe Price Japan, Inc.	23-May-23	1.950	118	Ordinary
T. Rowe Price Associates, Inc.	23-May-23	1.940	30	Ordinary
T. Rowe Price Associates, Inc.	23-May-23	1.950	2,401	Ordinary
T. Rowe Price International Ltd.	23-May-23	1.940	3,474	Ordinary
T. Rowe Price International Ltd.	23-May-23	1.950	280,181	Ordinary
T. Rowe Price International Ltd.	23-May-23	1.940	2,386	Ordinary
T. Rowe Price International Ltd.	23-May-23	1.950	192,445	Ordinary
T. Rowe Price International Ltd.	23-May-23	1.940	3,841	Ordinary
T. Rowe Price International Ltd.	23-May-23	1.950	309,729	Ordinary
T. Rowe Price International Ltd.	23-May-23	1.940	2,614	Ordinary
T. Rowe Price International Ltd.	23-May-23	1.950	210,782	Ordinary
T. Rowe Price Associates, Inc.	23-May-23	1.940	3	Ordinary
T. Rowe Price Associates, Inc.	23-May-23	1.950	205	Ordinary
T. Rowe Price Associates, Inc.	23-May-23	1.940	2	Ordinary
T. Rowe Price Associates, Inc.	23-May-23	1.950	126	Ordinary
T. Rowe Price Associates, Inc.	24-May-23	1.985	808	Ordinary
T. Rowe Price Japan, Inc.	24-May-23	1.985	19	Ordinary
T. Rowe Price Associates, Inc.	24-May-23	1.985	5	Ordinary
T. Rowe Price Associates, Inc.	24-May-23	1.985	30	Ordinary
T. Rowe Price Japan, Inc.	24-May-23	1.985	3	Ordinary
T. Rowe Price Associates, Inc.	24-May-23	1.985	57	Ordinary

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T. Rowe Price International Ltd.	24-May-23	1.985	6,660	Ordinary
T. Rowe Price International Ltd.	24-May-23	1.985	4,575	Ordinary
T. Rowe Price International Ltd.	24-May-23	1.985	7,363	Ordinary
T. Rowe Price International Ltd.	24-May-23	1.985	5,011	Ordinary
T. Rowe Price Associates, Inc.	24-May-23	1.985	5	Ordinary
T. Rowe Price Associates, Inc.	24-May-23	1.985	3	Ordinary
T. Rowe Price Associates, Inc.	25-May-23	1.990	38,971	Ordinary
T. Rowe Price Associates, Inc.	25-May-23	1.983	15,332	Ordinary
T. Rowe Price Japan, Inc.	25-May-23	1.990	932	Ordinary
T. Rowe Price Japan, Inc.	25-May-23	1.983	367	Ordinary
T. Rowe Price Associates, Inc.	25-May-23	1.990	235	Ordinary
T. Rowe Price Associates, Inc.	25-May-23	1.983	93	Ordinary
T. Rowe Price Associates, Inc.	25-May-23	1.990	1,437	Ordinary
T. Rowe Price Associates, Inc.	25-May-23	1.983	566	Ordinary
T. Rowe Price Japan, Inc.	25-May-23	1.990	136	Ordinary
T. Rowe Price Japan, Inc.	25-May-23	1.983	53	Ordinary
T. Rowe Price Associates, Inc.	25-May-23	1.990	2,754	Ordinary
T. Rowe Price Associates, Inc.	25-May-23	1.983	1,083	Ordinary
T. Rowe Price International Ltd.	25-May-23	1.990	321,389	Ordinary
T. Rowe Price International Ltd.	25-May-23	1.983	126,442	Ordinary
T. Rowe Price International Ltd.	25-May-23	1.990	220,749	Ordinary
T. Rowe Price International Ltd.	25-May-23	1.983	86,848	Ordinary
T. Rowe Price International Ltd.	25-May-23	1.990	355,282	Ordinary
T. Rowe Price International Ltd.	25-May-23	1.983	139,777	Ordinary
T. Rowe Price International Ltd.	25-May-23	1.990	241,783	Ordinary
T. Rowe Price International Ltd.	25-May-23	1.983	95,123	Ordinary
T. Rowe Price Associates, Inc.	25-May-23	1.990	235	Ordinary
T. Rowe Price Associates, Inc.	25-May-23	1.983	93	Ordinary
T. Rowe Price Associates, Inc.	25-May-23	1.990	144	Ordinary
T. Rowe Price Associates, Inc.	25-May-23	1.983	57	Ordinary
T. Rowe Price Associates, Inc.	26-May-23	1.978	47,240	Ordinary
T. Rowe Price Associates, Inc.	26-May-23	1.964	808	Ordinary
T. Rowe Price Japan, Inc.	26-May-23	1.978	1,130	Ordinary
T. Rowe Price Japan, Inc.	26-May-23	1.964	19	Ordinary
T. Rowe Price Associates, Inc.	26-May-23	1.978	285	Ordinary
T. Rowe Price Associates, Inc.	26-May-23	1.964	5	Ordinary
T. Rowe Price Associates, Inc.	26-May-23	1.978	1,742	Ordinary
T. Rowe Price Associates, Inc.	26-May-23	1.964	30	Ordinary
T. Rowe Price Japan, Inc.	26-May-23	1.978	164	Ordinary
T. Rowe Price Japan, Inc.	26-May-23	1.964	3	Ordinary
T. Rowe Price Associates, Inc.	26-May-23	1.978	3,339	Ordinary
T. Rowe Price Associates, Inc.	26-May-23	1.964	57	Ordinary
T. Rowe Price International Ltd.	26-May-23	1.978	389,577	Ordinary
T. Rowe Price International Ltd.	26-May-23	1.964	6,663	Ordinary
T. Rowe Price International Ltd.	26-May-23	1.978	267,585	Ordinary
T. Rowe Price International Ltd.	26-May-23	1.964	4,576	Ordinary
T. Rowe Price International Ltd.	26-May-23	1.978	430,664	Ordinary

## Annexure 2

T. Rowe Price International Ltd.	26-May-23	1.964	7,365	Ordinary
T. Rowe Price International Ltd.	26-May-23	1.978	293,082	Ordinary
T. Rowe Price International Ltd.	26-May-23	1.964	5,012	Ordinary
T. Rowe Price Associates, Inc.	26-May-23	1.978	285	Ordinary
T. Rowe Price Associates, Inc.	26-May-23	1.964	5	Ordinary
T. Rowe Price Associates, Inc.	26-May-23	1.978	176	Ordinary
T. Rowe Price Associates, Inc.	26-May-23	1.964	3	Ordinary
T. Rowe Price International Ltd.	7-Jun-23	2.060	94,943	Ordinary
T. Rowe Price International Ltd.	26-Jun-23	2.040	267,282	Ordinary
T. Rowe Price International Ltd.	26-Jun-23	2.040	164,718	Ordinary
T. Rowe Price Associates, Inc.	27-Jun-23	2.038	29,473	Ordinary
T. Rowe Price Associates, Inc.	27-Jun-23	2.038	203	Ordinary
T. Rowe Price Associates, Inc.	27-Jun-23	2.038	1,377	Ordinary
T. Rowe Price Associates, Inc.	27-Jun-23	2.038	97	Ordinary
T. Rowe Price Japan, Inc.	3-Jul-23	2.068	2,435	Ordinary
T. Rowe Price Japan, Inc.	3-Jul-23	2.068	344	Ordinary
T. Rowe Price International Ltd.	3-Jul-23	2.068	802,021	Ordinary
T. Rowe Price International Ltd.	3-Jul-23	2.068	763,023	Ordinary
T. Rowe Price International Ltd.	6-Jul-23	2.230	539,452	Ordinary
T. Rowe Price International Ltd.	6-Jul-23	2.230	779,100	Ordinary
T. Rowe Price International Ltd.	11-Jul-23	2.260	130,538	Ordinary
T. Rowe Price International Ltd.	11-Jul-23	2.260	475,353	Ordinary
T. Rowe Price International Ltd.	11-Jul-23	2.260	144,076	Ordinary
T. Rowe Price International Ltd.	11-Jul-23	2.260	524,647	Ordinary
T. Rowe Price Associates, Inc.	14-Jul-23	2.350	212,194	Ordinary
T. Rowe Price Associates, Inc.	14-Jul-23	2.287	1,222	Ordinary
T. Rowe Price Japan, Inc.	14-Jul-23	2.350	4,936	Ordinary
T. Rowe Price Japan, Inc.	14-Jul-23	2.287	28	Ordinary
T. Rowe Price Associates, Inc.	14-Jul-23	2.350	1,192	Ordinary
T. Rowe Price Associates, Inc.	14-Jul-23	2.287	7	Ordinary
T. Rowe Price Associates, Inc.	14-Jul-23	2.350	6,712	Ordinary
T. Rowe Price Associates, Inc.	14-Jul-23	2.287	39	Ordinary
T. Rowe Price Japan, Inc.	14-Jul-23	2.350	739	Ordinary
T. Rowe Price Japan, Inc.	14-Jul-23	2.287	4	Ordinary
T. Rowe Price Associates, Inc.	14-Jul-23	2.350	7,044	Ordinary
T. Rowe Price Associates, Inc.	14-Jul-23	2.287	41	Ordinary
T. Rowe Price International Ltd.	14-Jul-23	2.350	1,893,451	Ordinary
T. Rowe Price International Ltd.	14-Jul-23	2.287	10,904	Ordinary
T. Rowe Price International Ltd.	14-Jul-23	2.350	474,346	Ordinary
T. Rowe Price International Ltd.	14-Jul-23	2.287	2,732	Ordinary
T. Rowe Price International Ltd.	14-Jul-23	2.350	2,169,383	Ordinary
T. Rowe Price International Ltd.	14-Jul-23	2.287	12,493	Ordinary
T. Rowe Price International Ltd.	14-Jul-23	2.350	498,043	Ordinary
T. Rowe Price International Ltd.	14-Jul-23	2.287	2,868	Ordinary
T. Rowe Price Associates, Inc.	14-Jul-23	2.350	1,096	Ordinary
T. Rowe Price Associates, Inc.	14-Jul-23	2.287	6	Ordinary
T. Rowe Price Associates, Inc.	14-Jul-23	2.350	826	Ordinary

Annexure 2

T. Rowe Price Associates, Inc.	14-Jul-23	2.287	5	Ordinary
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This is annexure 2 referred to on page 1 of Form 603 (Notice of Initial Substantial Holder)



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Gary Greb, Vice President

18-Jul-23