

# Appendix 3B

## New issue announcement, application for quotation of additional securities and agreement

*Information or documents not available now must be given to ASX as soon as available. Information and documents given to ASX become ASX's property and may be made public.*

Introduced 01/07/96 Origin: Appendix 5 Amended 01/07/98, 01/09/99, 01/07/00, 30/09/01, 11/03/02, 01/01/03, 24/10/05, 01/08/12, 04/03/13

Name of entity

PREDICTIVE DISCOVERY LIMITED

ABN

11 127 171 877

We (the entity) give ASX the following information.

### Part 1 - All issues

*You must complete the relevant sections (attach sheets if there is not enough space).*

- |   |   |   |
|---|---|---|
| 1 | +Class of +securities issued or to be issued  | Ordinary shares   |
| 2 | Number of +securities issued or to be issued (if known) or maximum number which may be issued   | a) 18,750,000 (placement)<br>b) 243,969,129 (rights issue)  |
| 3 | Principal terms of the +securities (e.g. if options, exercise price and expiry date; if partly paid +securities, the amount outstanding and due dates for payment; if +convertible securities, the conversion price and dates for conversion) | a) Fully paid ordinary shares pursuant to a placement to sophisticated and professional investors.<br>b) Fully paid ordinary shares pursuant to a 3 for 5 non-renounceable pro rata rights issue pursuant to a prospectus to be lodged with the ASX on or around 13 October 2014. |

**Appendix 3B**  
**New issue announcement**

---

|   |   |
|---|---|
| <p>4 Do the +securities rank equally in all respects from the +issue date with an existing +class of quoted +securities?</p> <p>If the additional +securities do not rank equally, please state:</p> <ul style="list-style-type: none"> <li>• the date from which they do</li> <li>• the extent to which they participate for the next dividend, (in the case of a trust, distribution) or interest payment</li> <li>• the extent to which they do not rank equally, other than in relation to the next dividend, distribution or interest payment</li> </ul> | <p>Yes</p>  |
| <p>5 Issue price or consideration</p>   | <p>a) \$0.008 per share (placement)<br/> b) \$0.007 per share (rights issue)</p>  |
| <p>6 Purpose of the issue<br/> (If issued as consideration for the acquisition of assets, clearly identify those assets)</p>  | <p>Exploration, including drilling, at its high grade Bongou Gold deposit in Burkina Faso and the surrounding area, and for working capital purposes.</p> |
| <p>6a Is the entity an +eligible entity that has obtained security holder approval under rule 7.1A?</p> <p>If Yes, complete sections 6b – 6h in relation to the +securities the subject of this Appendix 3B, and comply with section 6i</p>   | <p>Yes</p>  |
| <p>6b The date the security holder resolution under rule 7.1A was passed</p>  | <p>18 November 2013</p>   |
| <p>6c Number of +securities issued without security holder approval under rule 7.1</p>  | <p>18,750,000 fully paid ordinary shares (placement)</p>  |

| 6d          | Number of +securities issued with security holder approval under rule 7.1A   | N/A   |        |        |             |                 |   |        |        |             |                 |
|-------------|--|---|--------|--------|-------------|-----------------|---|--------|--------|-------------|-----------------|
| 6e          | Number of +securities issued with security holder approval under rule 7.3, or another specific security holder approval (specify date of meeting)  | N/A   |        |        |             |                 |   |        |        |             |                 |
| 6f          | Number of +securities issued under an exception in rule 7.2  | 243,969,129 fully paid ordinary shares (rights issue)   |        |        |             |                 |   |        |        |             |                 |
| 6g          | If +securities issued under rule 7.1A, was issue price at least 75% of 15 day VWAP as calculated under rule 7.1A.3? Include the +issue date and both values. Include the source of the VWAP calculation.   | N/A   |        |        |             |                 |   |        |        |             |                 |
| 6h          | If +securities were issued under rule 7.1A for non-cash consideration, state date on which valuation of consideration was released to ASX Market Announcements   | N/A   |        |        |             |                 |   |        |        |             |                 |
| 6i          | Calculate the entity's remaining issue capacity under rule 7.1 and rule 7.1A – complete Annexure 1 and release to ASX Market Announcements   | <p>7.1 = 71,899,420</p> <p>7.1A = 62,471,779</p>  |        |        |             |                 |   |        |        |             |                 |
| 7           | <p>+Issue dates</p> <p>Note: The issue date may be prescribed by ASX (refer to the definition of issue date in rule 19.12). For example, the issue date for a pro rata entitlement issue must comply with the applicable timetable in Appendix 7A.</p> <p>Cross reference: item 33 of Appendix 3B.</p> | <p>a) 8 October 2014 (placement)</p> <p>b) Expected to occur on 13 November 2014 (rights issue)</p>   |        |        |             |                 |   |        |        |             |                 |
| 8           | Number and +class of all +securities quoted on ASX (including the +securities in section 2 if applicable)  | <table border="1"> <thead> <tr> <th>Number</th> <th>+Class</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">650,584,343</td> <td style="text-align: center;">Ordinary Shares</td> </tr> </tbody> </table> | Number | +Class | 650,584,343 | Ordinary Shares | <table border="1"> <thead> <tr> <th>Number</th> <th>+Class</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">650,584,343</td> <td style="text-align: center;">Ordinary Shares</td> </tr> </tbody> </table> | Number | +Class | 650,584,343 | Ordinary Shares |
| Number      | +Class   |   |        |        |             |                 |   |        |        |             |                 |
| 650,584,343 | Ordinary Shares  |   |        |        |             |                 |   |        |        |             |                 |
| Number      | +Class   |   |        |        |             |                 |   |        |        |             |                 |
| 650,584,343 | Ordinary Shares  |   |        |        |             |                 |   |        |        |             |                 |

**Appendix 3B**  
**New issue announcement**

|    | Number  | +Class  |   |
|----|---|---|---|
| 9  | Number and +class of all +securities not quoted on ASX (including the +securities in section 2 if applicable) | 6,000,000   | Options exercisable at 25 cents expiring 20 August 2015   |
|    |   | 500,000   | Options exercisable at 31 cents expiring 11 July 2005   |
|    |   | 9,131,075   | Unlisted options with an exercise price of 10 cents to 30 June 2013, 15 cents from 1 July 2013 to 30 June 2014 and 20 cents from 1 July 2014 to the expiry date on 30 June 2015 |
|    |   | 2,000,000   | Options exercisable at 15 cents expiring 30 October 2015  |
|    |   | 8,000,000   | Options exercisable at 2.2 cents expiring 31 March 2017   |
| 10 | Dividend policy (in the case of a trust, distribution policy) on the increased capital (interests)            | The Company currently does not have a dividend policy |   |

**Part 2 - Pro rata issue**

|    |  |  |
|----|--|--|
| 11 | Is security holder approval required?  | No.  |
| 12 | Is the issue renounceable or non-renounceable?   | Non-renounceable.  |
| 13 | Ratio in which the +securities will be offered   | 3 shares offered for every 5 shares held at the record date. |
| 14 | +Class of +securities to which the offer relates   | Fully paid ordinary shares.                                  |
| 15 | +Record date to determine entitlements   | 20 October 2014.   |
| 16 | Will holdings on different registers (or subregisters) be aggregated for calculating entitlements? | N/A  |

11922535/1

+ See chapter 19 for defined terms.

|    |  |  |
|----|--|--|
| 17 | Policy for deciding entitlements in relation to fractions  | Round up to nearest whole number.  |
| 18 | Names of countries in which the entity has security holders who will not be sent new offer documents<br><br>Note: Security holders must be told how their entitlements are to be dealt with.<br><br>Cross reference: rule 7.7. | Shareholders whose registered address is not in Australia and New Zealand. |
| 19 | Closing date for receipt of acceptances or renunciations   | Expected to occur on 6 November 2014.                                      |
| 20 | Names of any underwriters  | Aurora Minerals Limited.   |
| 21 | Amount of any underwriting fee or commission   | \$100,000  |
| 22 | Names of any brokers to the issue  | N/A  |
| 23 | Fee or commission payable to the broker to the issue   | N/A  |
| 24 | Amount of any handling fee payable to brokers who lodge acceptances or renunciations on behalf of security holders   | N/A  |
| 25 | If the issue is contingent on security holders' approval, the date of the meeting  | N/A  |
| 26 | Date entitlement and acceptance form and offer documents will be sent to persons entitled  | Expected to occur on 23 October 2014.                                      |
| 27 | If the entity has issued options, and the terms entitle option holders to participate on exercise, the date on which notices will be sent to option holders  | Expected to occur by 13 October 2014.                                      |
| 28 | Date rights trading will begin (if applicable)   | N/A  |

## Appendix 3B New issue announcement

---

- |    |   |  |
|----|---|--|
| 29 | Date rights trading will end (if applicable)  | N/A                                    |
| 30 | How do security holders sell their entitlements <i>in full</i> through a broker?                            | N/A                                    |
| 31 | How do security holders sell <i>part</i> of their entitlements through a broker and accept for the balance? | N/A                                    |
| 32 | How do security holders dispose of their entitlements (except by sale through a broker)?                    | N/A                                    |
| 33 | +Issue date   | Expected to occur on 13 November 2014. |

### Part 3 - Quotation of securities

*You need only complete this section if you are applying for quotation of securities*

- 34 Type of +securities  
(tick one)
- (a)  +Securities described in Part 1
- (b)  All other +securities  
Example: restricted securities at the end of the escrowed period, partly paid securities that become fully paid, employee incentive share securities when restriction ends, securities issued on expiry or conversion of convertible securities

#### Entities that have ticked box 34(a)

#### Additional securities forming a new class of securities

*Tick to indicate you are providing the information or documents*

- 35  If the +securities are +equity securities, the names of the 20 largest holders of the additional +securities, and the number and percentage of additional +securities held by those holders
- 36  If the +securities are +equity securities, a distribution schedule of the additional +securities setting out the number of holders in the categories  
1 - 1,000

---

11922535/1

+ See chapter 19 for defined terms.

- 1,001 - 5,000
- 5,001 - 10,000
- 10,001 - 100,000
- 100,001 and over

37  A copy of any trust deed for the additional +securities

**Entities that have ticked box 34(b)**

38 Number of +securities for which +quotation is sought N/A

39 +Class of +securities for which quotation is sought N/A

40 Do the +securities rank equally in all respects from the +issue date with an existing +class of quoted +securities? N/A

If the additional +securities do not rank equally, please state:

- the date from which they do
- the extent to which they participate for the next dividend, (in the case of a trust, distribution) or interest payment
- the extent to which they do not rank equally, other than in relation to the next dividend, distribution or interest payment

41 Reason for request for quotation now N/A

Example: In the case of restricted securities, end of restriction period

(if issued upon conversion of another +security, clearly identify that other +security)

---

11922535/1  
+ See chapter 19 for defined terms.

**Appendix 3B**  
**New issue announcement**

|  | Number | +Class |
|--|--------|--------|
| 42 Number and +class of all +securities quoted on ASX (including the +securities in clause 38) | N/A    |        |

**Quotation agreement**

1 +Quotation of our additional +securities is in ASX's absolute discretion. ASX may quote the +securities on any conditions it decides.

2 We warrant the following to ASX.

- The issue of the +securities to be quoted complies with the law and is not for an illegal purpose.
- There is no reason why those +securities should not be granted +quotation.
- An offer of the +securities for sale within 12 months after their issue will not require disclosure under section 707(3) or section 1012C(6) of the Corporations Act.

Note: An entity may need to obtain appropriate warranties from subscribers for the securities in order to be able to give this warranty

- Section 724 or section 1016E of the Corporations Act does not apply to any applications received by us in relation to any +securities to be quoted and that no-one has any right to return any +securities to be quoted under sections 737, 738 or 1016F of the Corporations Act at the time that we request that the +securities be quoted.
- If we are a trust, we warrant that no person has the right to return the +securities to be quoted under section 1019B of the Corporations Act at the time that we request that the +securities be quoted.

3 We will indemnify ASX to the fullest extent permitted by law in respect of any claim, action or expense arising from or connected with any breach of the warranties in this agreement.

4 We give ASX the information and documents required by this form. If any information or document is not available now, we will give it to ASX before +quotation of the +securities begins. We acknowledge that ASX is relying on the information and documents. We warrant that they are (will be) true and complete.

Sign here:   
 ..... Date: 1/10/2014  
 (Director/Company secretary)

Print name: Ian Hobson

11922535/1

+ See chapter 19 for defined terms.



# Appendix 3B – Annexure 1

## Calculation of placement capacity under rule 7.1 and rule 7.1A for eligible entities

Introduced 01/08/12 Amended 04/03/13

### Part 1

| <b>Rule 7.1 – Issues exceeding 15% of capital</b>  |   |
|--|---|
| <b>Step 1: Calculate “A”, the base figure from which the placement capacity is calculated</b>  |   |
| <b>Insert</b> number of fully paid +ordinary securities on issue 12 months before the +issue date or date of agreement to issue  | 271,384,194   |
| <b>Add</b> the following: <ul style="list-style-type: none"> <li>• Number of fully paid +ordinary securities issued in that 12 month period under an exception in rule 7.2</li> <li>• Number of fully paid +ordinary securities issued in that 12 month period with shareholder approval</li> <li>• Number of partly paid +ordinary securities that became fully paid in that 12 month period</li> </ul> <p><i>Note:</i></p> <ul style="list-style-type: none"> <li>• <i>Include only ordinary securities here – other classes of equity securities cannot be added</i></li> <li>• <i>Include here (if applicable) the securities the subject of the Appendix 3B to which this form is annexed</i></li> <li>• <i>It may be useful to set out issues of securities on different dates as separate line items</i></li> </ul> | 20,375,000 (SPP 4/3/2014)<br>243,969,129 (rights issue subject of this Appendix 3B)<br><br>94,257,558 (approved by shareholders 18/10/2013 & 20/3/2014) |
| <b>Subtract</b> the number of fully paid +ordinary securities cancelled during that 12 month period  | 0   |
| <b>“A”</b>   | 629,985,881   |

11922535/1

+ See chapter 19 for defined terms.

**Appendix 3B**  
**New issue announcement**

|   |  |
|---|--|
| <b>Step 2: Calculate 15% of “A”</b>   |  |
| <b>“B”</b>  | 0.15<br><i>[Note: this value cannot be changed]</i>  |
| <b>Multiply “A” by 0.15</b>   | 94,497,882   |
| <b>Step 3: Calculate “C”, the amount of placement capacity under rule 7.1 that has already been used</b>  |  |
| <p><b>Insert</b> number of +equity securities issued or agreed to be issued in that 12 month period <i>not counting</i> those issued:</p> <ul style="list-style-type: none"> <li>• Under an exception in rule 7.2</li> <li>• Under rule 7.1A</li> <li>• With security holder approval under rule 7.1 or rule 7.4</li> </ul> <p><i>Note:</i></p> <ul style="list-style-type: none"> <li>• <i>This applies to equity securities, unless specifically excluded – not just ordinary securities</i></li> <li>• <i>Include here (if applicable) the securities the subject of the Appendix 3B to which this form is annexed</i></li> <li>• <i>It may be useful to set out issues of securities on different dates as separate line items</i></li> </ul> | <p>1,521,462 (24/10/2013)</p> <p>327,000 (24/12/2013)</p> <p>2,000,000 options (27/3/2014)</p> <p>18,750,000 (placement subject of this Appendix 3B)</p> |
| <b>“C”</b>  | 22,598,462   |
| <b>Step 4: Subtract “C” from [“A” x “B”] to calculate remaining placement capacity under rule 7.1</b>   |  |
| <p>“A” x 0.15</p> <p><i>Note: number must be same as shown in Step 2</i></p>  | 94,497,882   |
| <p><b>Subtract “C”</b></p> <p><i>Note: number must be same as shown in Step 3</i></p>   | 22,598,462   |
| <b>Total [“A” x 0.15] – “C”</b>   | 71,899,420<br><i>[Note: this is the remaining placement capacity under rule 7.1]</i>   |

## Part 2

| <b>Rule 7.1A – Additional placement capacity for eligible entities</b>   |   |
|--|---|
| <b>Step 1: Calculate “A”, the base figure from which the placement capacity is calculated</b>  |   |
| <b>“A”</b><br><i>Note: number must be same as shown in Step 1 of Part 1</i>  | 629,985,881                                       |
| <b>Step 2: Calculate 10% of “A”</b>  |   |
| <b>“D”</b>   | 0.10<br><i>Note: this value cannot be changed</i> |
| <b>Multiply “A” by 0.10</b>  | 62,998,588  |
| <b>Step 3: Calculate “E”, the amount of placement capacity under rule 7.1A that has already been used</b>  |   |
| <b>Insert</b> number of +equity securities issued or agreed to be issued in that 12 month period under rule 7.1A<br><br><b>Notes:</b> <ul style="list-style-type: none"> <li>• <i>This applies to equity securities – not just ordinary securities</i></li> <li>• <i>Include here – if applicable – the securities the subject of the Appendix 3B to which this form is annexed</i></li> <li>• <i>Do not include equity securities issued under rule 7.1 (they must be dealt with in Part 1), or for which specific security holder approval has been obtained</i></li> <li>• <i>It may be useful to set out issues of securities on different dates as separate line items</i></li> </ul> | 0   |
| <b>“E”</b>   | 0   |

11922535/1

+ See chapter 19 for defined terms.

Appendix 3B  
New issue announcement

---

**Step 4: Subtract "E" from ["A" x "D"] to calculate remaining placement capacity under rule 7.1A**

|  |   |
|--|---|
| <b>"A" x 0.10</b><br><i>Note: number must be same as shown in Step 2</i>   | 62,471,779  |
| <b>Subtract "E"</b><br><i>Note: number must be same as shown in Step 3</i> | 0   |
| <b>Total ["A" x 0.10] – "E"</b>  | 62,471,779<br><i>Note: this is the remaining placement capacity under rule 7.1A</i> |