

Security Class

Holder Account Number

Fold

Form of Proxy - Annual General Meeting to be held on January 19, 2024

This Form of Proxy is solicited by and on behalf of Management or the Board, as applicable.

Notes to proxy

1. Every holder has the right to appoint some other person or company of their choice, who need not be a holder, to attend and act on their behalf at the meeting or any adjournment or postponement thereof. If you wish to appoint a person or company other than the Management Proxyholders whose names are printed herein, please insert the name of your chosen proxyholder in the space provided (see reverse).
2. If the securities are registered in the name of more than one owner (for example, joint ownership, trustees, executors, etc.), then all those registered should sign this proxy. If you are voting on behalf of a corporation or another individual, you must sign this proxy with signing capacity stated, and you may be required to provide documentation evidencing your power to sign this proxy.
3. This proxy should be signed in the exact manner as the name(s) appear(s) on the proxy.
4. If a date is not inserted in the space provided on the reverse of this proxy, it will be deemed to bear the date on which it was received by Management.
5. **The securities represented by this proxy will be voted as directed by the holder; however, if such a direction is not made in respect of any matter, and the proxy appoints the Management Proxyholders listed on the reverse, this proxy will be voted as recommended by Management or the Board, as applicable.**
6. The securities represented by this proxy will be voted in favour, or withheld from voting, or voted against or abstained from voting each of the matters described herein, as applicable, in accordance with the instructions of the holder, on any ballot that may be called for. If you have specified a choice with respect to any matter to be acted on, the securities will be voted accordingly.
7. This proxy confers discretionary authority in respect of amendments or variations to matters identified in the Notice of Meeting and Management Information and Proxy Circular or other matters that may properly come before the meeting or any adjournment or postponement thereof, unless prohibited by law.
8. This proxy should be read in conjunction with the accompanying documentation provided by Management.

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Proxies submitted must be received by 10:00 am, Mountain Standard Time, on January 17, 2024.

VOTE USING THE TELEPHONE OR INTERNET 24 HOURS A DAY 7 DAYS A WEEK!



To Vote Using the Telephone

- Call the number listed BELOW from a touch tone telephone.

1-866-732-VOTE (8683) Toll Free



To Vote Using the Internet

- Go to the following web site:
www.investorvote.com
- **Smartphone?**
Scan the QR code to vote now.



To Receive Documents Electronically

- You can enroll to receive future securityholder communications electronically by visiting www.investorcentre.com.

If you vote by telephone or the Internet, DO NOT mail back this proxy.

Voting by mail may be the only method for securities held in the name of a corporation or securities being voted on behalf of another individual.

Voting by mail or by Internet are the only methods by which a holder may appoint a person as proxyholder other than the Management Proxyholders named on the reverse of this proxy. Instead of mailing this proxy, you may choose one of the two voting methods outlined above to vote this proxy.

To vote by telephone or the Internet, you will need to provide your CONTROL NUMBER listed below.

CONTROL NUMBER



Appointment of Proxyholder

I/We being holder(s) of securities of NioCorp Developments Ltd. (the "Company") hereby appoint: Mark A. Smith, President, Chief Executive Officer, and Executive Chairman of the Company, or failing this person, Neal S. Shah, Chief Financial Officer, and Corporate Secretary of the Company (the "Management Proxyholders")

OR Print the name of the person you are appointing if this person is someone other than the Management Proxyholders listed herein.

as my/our proxyholder with full power of substitution and to attend, act and to vote for and on behalf of the holder in accordance with the following directions (or if no directions have been given, as the proxyholder sees fit) and on all other matters that may properly come before the Annual General Meeting of Shareholders of the Company to be held at 7000 S Yosemite St, Lower Level Conference Room, Centennial, CO 80112 on January 19, 2024 at 10:00 am, MST and at any adjournment or postponement thereof.

VOTING RECOMMENDATIONS ARE INDICATED BY HIGHLIGHTED TEXT OVER THE BOXES.

For **Against**

1. Number of Directors

To set the number of Directors at seven (7).

2. Election of Directors

For **Withhold**

For **Withhold**

For **Withhold** Fold

01. Mark A. Smith

02. Michael J. Morris

03. David C. Beling

04. Nilsa Guerrero-Mahon

05. Peter Oliver

06. Michael Maselli

07. Dean Kehler

For **Withhold**

3. Appointment of Auditors

Appointment of Deloitte & Touche LLP as Auditors of the Company for the ensuing year and authorizing the Directors to fix their remuneration.

4. Approval of the Amendment and Restatement of the NioCorp Developments Ltd. Long-Term Incentive Plan

To consider and, if thought fit, pass the resolution set out below, approving the implementation of the 2017 Amended Long-Term Incentive Plan:

BE IT RESOLVED AS AN ORDINARY RESOLUTION THAT:

- The 2017 Amended Long-Term Incentive Plan, substantially as described in and appended as Schedule B to the Company's Information Circular in respect of the Company's Meeting, is hereby authorized and approved to be effective from the date of the Meeting.
- All unallocated entitlements under the 2017 Amended Long-Term Incentive Plan, as amended from time to time, be and are hereby approved and authorized, and the Company shall be permitted to grant awards thereunder until January 19, 2027.
- Any one director or officer of the Company be and is hereby authorized and directed to do all such acts and things and to execute and deliver all such documents, instruments and assurances as in the opinion of such director or officer may be necessary or desirable to give effect to the foregoing resolutions.

For **Against** **Abstain** Fold

5. Advisory Vote to Approve Named Executive Compensation

Approval, on a nonbinding, advisory basis, of the compensation of the Company's named executive officers.

Signature of Proxyholder

Signature(s)

Date

I/We authorize you to act in accordance with my/our instructions set out above. I/We hereby revoke any proxy previously given with respect to the Meeting. If no voting instructions are indicated above, and this proxy appoints the Management Proxyholders, this proxy will be voted as recommended by Management or the Board, as applicable.

MM / DD / YY

Interim Financial Statements – Mark this box if you would like to receive Interim Financial Statements and accompanying Management's Discussion and Analysis by mail.

Annual Financial Statements – Mark this box if you would like to receive the Annual Financial Statements and accompanying Management's Discussion and Analysis by mail.

Information Circular – Mark this box if you would like to receive the Management Information and Proxy Circular by mail for the next securityholders' meeting.

If you are not mailing back your proxy, you may register online to receive the above financial report(s) by mail at www.computershare.com/maillinglist.

