



**DANAKALI**  
create. nurture. grow

ASX Release:

25 January 2022

## Quarterly Report

### For the period ending 31 December 2021

Danakali Limited (ASX: DNK, **Danakali**, or the **Company**) is pleased to provide this quarterly update on the activities and financial position of the Company and CMSC's Colluli Potash Project located in Eritrea, East Africa. CMSC is progressing to become a leading producer and exporter of Sulphate of Potash (**SOP**), the premium potash fertiliser.

## Highlights

### Project Growth Options

- DNK reviewed the potential growth option of Magnesium Chloride ( $MgCl_2$ ) at Colluli and determined Colluli will produce potentially economic  $MgCl_2$  from two sources at its Sulphate of Potash (SOP) production operation, as announced 7 December 2021. The value of  $MgCl_2$  and any derivative products including Magnesium Oxide ( $MgO$ ) or Magnesium (Mg) does not form part of our current financial, economic or FEED studies.
- Additionally, DNK reassessed the Sodium Chloride (NaCl) resource at Colluli and confirmed the presence of 347 Mt of Rock Salt resource (ASX Announcement 29 January 2018). Colluli will produce an estimated 128 Mt of Rock Salt in the first 60 years production rate of 1.8 million tpa from Modules 1 and 2 (ASX Announcement 29 January 2018). This creates another potential revenue stream for Colluli as Rock Salt prices rise 47% year on year from 2020-2021.

### Project Financing

- SOP price updates provided by CRU indicated long term outlook for the weighted average netback price to Massawa was US\$668/tonne.
- Discussions with potential third-party investors, ENAMCO and senior lenders on Project funding requirements continue.

## Corporate & Financial

- Cash balance of A\$22.8M as of 31 December 2021.

The Colluli Potash Project (**Project, Colluli**) is 100% owned by Colluli Mining Share Company (**CMSC**), a 50:50 Joint Venture between Danakali Limited (**DNK**) and Eritrean National Mining Corporation (**ENAMCO**)



### Codes:

ASX: DNK, SO3-FRA,  
SO3-BER.  
US Level 1 ADR's OTC-  
DNKLY,  
CUSIP.23585T101

### Highlights:

The world's largest JORC compliant solid salt, Sulphate of Potash (**SOP**) reserve, 1.1Bt

Aiming to be the world's first Zero Carbon SOP Producer

Development underway towards production

### Financial facts:

Issued capital: 367.3m  
Share price: A\$0.385  
Market cap: A\$141.4m



**DANAKALI**  
create. nurture. grow

## Project & Corporate Update

### Project

#### Magnesium Chloride

DNK announced 7 December 2021 a market update together with rationale on the Magnesium Chloride market potential and export capacity from the Colluli Project. By way of background, DNK previously stated its JORC-2012 compliant SOP reserve of 1.1Bt<sup>(1)</sup> and the JORC-2012 compliant 85Mt of Kieserite resource<sup>(2)</sup> and JORC-2012 compliant Resource of 347Mt of Rock Salt @ 96.9%<sup>(5)</sup>.

The test results outlined in ASX announcement 7 December 2021 demonstrate Colluli will produce 450,000 tonnes per annum of high purity  $MgCl_2$  as a direct by-product of Colluli's SOP production, that will be suitable for either potential export to regional markets or beneficiation. Bischofite brines from Module 1 and 2 from SOP production alone will produce an estimated 27.0 Mt of  $MgCl_2$  in the first 60 years at an annual production rate of 450,000 tonnes (equivalent to 115 kT as Magnesium).

$MgCl_2$  is used in the production of Magnesium Oxide (MgO) in addition to its other primary applications in the agriculture, chemical, steel, automotive and construction industries. MgO is a feedstock for Magnesium (Mg) metal production.

#### Rock Salt

With the test work completed (ASX Announcement 17 June 2021) and the mine plan confirmed in FEED (ASX announcement 29 January 2018), mining during Modules 1 and 2 will produce an estimated 128Mt of Rock Salt at an annual production rate of 1.8mtpa (as previously announced), from the Upper Rock Salt layer with a JORC-2012 compliant resource of 347 Mt of Rock Salt at 96.9%. The Rock Salt will initially be stockpiled at site in preparation for export from the proposed Anfile Bay export terminal during the first 60 years. With the recent rise in Rock Salt prices (Announced 17 June 2021), and new end uses in battery technology being developed by CATL<sup>(3)</sup> DNK considers Colluli's Rock Salt as a potential economic resource. DNK consider FEED inaccurately described Rock Salt as a waste product from the mining process.

Rock Salt prices have risen rapidly on year-on-year basis by approximately 47% (see ASX Announcement 20 December 2021) with current average prices at US\$50-\$60/t. Interestingly for the Rock Salt market potential a new generation of sodium ion batteries are being developed that can reduce battery raw material production costs by approximately 30% compared to lithium-ion batteries (see ASX Announcement 20 December 2021).

Sodium ion-e cells are able to recharge faster than lithium-ion cells and operate better at low temperatures<sup>(3)</sup>. Due to recent advancements in developing a new generation of sodium-ion batteries, Rock Salt is seen as a potential source of sodium needed for their mass production<sup>(4)</sup>. Other primary applications for Rock Salt include its use for de-icing, water treatment and in the chemical, aluminium, oil, paper, textile, and food industries (see ASX Announcement 20 December 2021).



**DANAKALI**  
create. nurture. grow

## Corporate & Project Financing

The long-term outlook for the weighted average netback price to Massawa for the target markets of Colluli SOP was established by CRU as US\$668/t. CRU expected as at 14 October 2021 all specialty potash fertilizer prices to move higher through 2021-2023 with a pull back in prices from 2024-2027, then a steady price rise until 2040. The current NPV in the Colluli FEED study was based on a long-term SOP price of US\$569/t.

### Change of Directors

Mr Paul Donaldson agreed to accept the role of Non-Executive Director on 11 October 2021. Mr Donaldson has a very deep knowledge of Colluli having previously held positions in Danakali over an 8-year period from 2012 to 2020. Mr John Fitzgerald resigned as Non-Executive Director on 11 October 2021. Mr Fitzgerald's was appointed on 19 February 2015 and made significant contributions to Danakali as a Board member and Chairman of the Audit and Risk Committee and a member of the Remuneration and Nomination Committee.

## Investment In Joint Venture

During the quarter the company invested an additional A\$1.9M to further develop the project.

## Capital

### Cash

Consolidated cash on hand was A\$22.8M as at 31 December 2021. Please refer to the Appendix 5B for the quarter which estimates that available funding is sufficient for more than 8 quarters.

### Securities

As at 31 December 2021, there were a total of 368,334,346 fully paid ordinary shares on issue. There were no shares issued during the December 2021 Quarter.

As at 31 December 2021, there were a total of 15,264,112 unlisted options on issue at various exercise prices and expiry dates. No unlisted options were issued, exercised or lapsed during the December 2021 Quarter.

As at 30 December 2021, there were a total of 360,000 performance rights on issue. No performance rights were issued, converted or lapsed during the December 2021 Quarter.

## Related Party Transactions

In accordance with ASX Listing Rule 5.3.5, payments to related parties of the Company and their associates during the quarter totalled A\$0.12M. The Company advises that this relates to Director fees. Refer to the Remuneration Report in the Financial Report for further details on director remuneration.

## Interests in mining tenements

The 7 Mining Licenses awarded to CMSC span over 60km<sup>2</sup> of the 100km<sup>2</sup> Mining Agreement area. There were no mining exploration activities undertaken during the quarter.



Tenement holdings:

Tenement	Colluli, Eritrea
Nature of interest	Owned
License type	Mining Licenses
Current equity	50%

(1) ASX Announcement 29 April 2021.

(2) ASX Announcement 15 August 2016.

(3) Source: Just Auto, Could CATL's sodium-ion battery be the next breakthrough in electric vehicle batteries?, October 2021, <https://bit.ly/30nRLH4>, retrieved November 2021.

(4) Source: Asia Times, China EVs getting charged about sodium-ion batteries, July 16 2021, <https://bit.ly/3wP0IFj>, retrieved November 2021.

(5) ASX Announcement 23 September 2015.

There was no change in tenement holding during the December 2021 Quarter.

For more information, please contact:

**Danakali**

Seamus Cornelius  
Executive Chairman  
+61 8 6266 8368

Mark Riseley  
Head of Corporate Development  
+61 8 6266 8368

Visit the Company's website: [www.danakali.com](http://www.danakali.com)

Follow Danakali on LinkedIn: [www.linkedin.com/company/danakali-limited](https://www.linkedin.com/company/danakali-limited)

Subscribe to Danakali on YouTube: [www.youtube.com/channel/UChGKN4-M4lOvPKxs9b-IJvw](https://www.youtube.com/channel/UChGKN4-M4lOvPKxs9b-IJvw)

Announcement authorised for release by the board of Danakali.





**DANAKALI**  
create. nurture. grow

## About Danakali

Danakali Limited (ASX: DNK) (**Danakali**, or the **Company**) is an ASX-listed potash company focused on the development of the Colluli Sulphate of Potash Project (**Colluli** or the **Project**). The Project is 100% owned by the Colluli Mining Share Company (**CMSC**), a 50:50 joint venture between Danakali and the Eritrean National Mining Corporation (**ENAMCO**).

The Project is located in the Danakil Depression region of Eritrea, East Africa, and is ~75km from the Red Sea coast, making it one of the most accessible potash deposits globally. Mineralisation within the Colluli resource commences at just 16m, making it the world's shallowest known potash deposit. The resource is amenable to open cut mining, which allows higher overall resource recovery to be achieved, is generally safer than underground mining, and is highly advantageous for modular growth.

The Company has completed a Front-End Engineering Design (**FEED**) for the production of potassium sulphate, otherwise known as Sulphate of Potash or **SOP**. SOP is a chloride free, specialty fertiliser which carries a substantial price premium relative to the more common potash type; potassium chloride (or **MOP**). Economic resources for production of SOP are geologically scarce. The unique composition of the Colluli resource favours low energy input, high potassium yield conversion to SOP using commercially proven technology. One of the key advantages of the resource is that the salts are present in solid form (in contrast with production of SOP from brines) which reduces infrastructure costs and substantially reduces the time required to achieve full production capacity.

The resource is favourably positioned to supply the world's fastest growing markets. A binding take-or-pay offtake agreement has been confirmed with EuroChem Trading GmbH (**EuroChem**) for up to 100% (minimum 87%) of Colluli Module I SOP production.

Development Finance Institutions, Africa Finance Corporation (**AFC**) and African Export Import Bank (**Afreximbank**), have obtained formal credit approval to provide CMSC with US\$200M in senior debt finance. The credit documentation was executed in December 2019, allowing drawdown of CMSC senior debt on satisfaction of customary conditions precedent. This represents the majority of funding required for the development and construction of the Colluli.

Project execution has commenced and the Company's vision is to bring Colluli into production using the principles of risk management, resource utilisation and modularity, using the starting module (**Module I**) as a growth platform to develop the resource to its full potential.

## Forward looking statements and disclaimer

The information in this document is published to inform you about Danakali and its activities. Danakali has endeavoured to ensure that the information enclosed is accurate at the time of release, and that it accurately reflects the Company's intentions. All statements in this document, other than statements of historical facts, that address future production, project development, reserve or resource potential, exploration drilling, exploitation activities, corporate transactions and events or developments that the Company expects to occur, are forward looking statements. Although the Company believes the expectations expressed in such statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results or developments may differ materially from those in forward-looking statements.

Factors that could cause actual results to differ materially from those in forward-looking statements include market prices of potash and, exploitation and exploration successes, capital and operating costs, changes in project parameters as plans continue to be evaluated, continued availability of capital and financing and general economic, market or business conditions, as well as those factors disclosed in the Company's filed documents.

There can be no assurance that the development of Colluli will proceed as planned. Accordingly, readers should not place undue reliance on forward looking information. Mineral Resources and Ore Reserves have been reported according to the JORC Code, 2012 Edition. To the extent permitted by law, the Company accepts no responsibility or liability for any losses or damages of any kind arising out of the use of any information contained in this document. Recipients should make their own enquiries in relation to any investment decisions.

Mineral Resource, Ore Reserve, production target, forecast financial information and financial assumptions made in this announcement are consistent with assumptions detailed in the Company's ASX announcements dated 25 February 2015, 23 September 2015, 15 August 2016, 1 February 2017, 29 January 2018, and 19 February 2018 which continue to apply and have not materially changed. The Company is not aware of any new information or data that materially affects assumptions made.

No representation or warranty, express or implied, is or will be made by or on behalf of the Company, and no responsibility or liability is or will be accepted by the Company or its affiliates, as to the accuracy, completeness or verification of the information set out in this announcement, and nothing contained in this announcement is, or shall be relied upon as, a promise or representation in this respect, whether as to the past or the future. The Company and each of its affiliates accordingly disclaims, to the fullest extent permitted by law, all and any liability whether arising in tort, contract or otherwise which it might otherwise have in respect of this announcement or any such statement.

## Appendix 5B

### Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

Danakali Limited

ABN

57 097 904 302

Quarter ended ("current quarter")

31 December 2021

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (12 months) \$A'000
<b>1.</b>	<b>Cash flows from operating activities</b>		
1.1	Receipts from customers	-	-
1.2	Payments for		
	(a) exploration & evaluation	-	-
	(b) development	-	-
	(c) production	-	-
	(d) staff costs	(478)	(1,855)
	(e) administration and corporate costs	(262)	(1,745)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	24	43
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	-
1.8	Other (provide details if material)	-	-
<b>1.9</b>	<b>Net cash from / (used in) operating activities</b>	<b>(716)</b>	<b>(3,557)</b>

<b>2.</b>	<b>Cash flows from investing activities</b>		
2.1	Payments to acquire or for:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) exploration & evaluation	-	-
	(e) investments	-	-
	(f) other non-current assets	-	-

<b>Consolidated statement of cash flows</b>		<b>Current quarter \$A'000</b>	<b>Year to date (12 months) \$A'000</b>
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (funding of joint venture)	(1,876)*	(4,469)
<b>2.6</b>	<b>Net cash from / (used in) investing activities</b>	<b>(1,876)</b>	<b>(4,469)</b>

<b>3.</b>	<b>Cash flows from financing activities</b>		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	20,919
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	-	(1,507)
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	-
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
<b>3.10</b>	<b>Net cash from / (used in) financing activities</b>	<b>-</b>	<b>19,412</b>

<b>4.</b>	<b>Net increase / (decrease) in cash and cash equivalents for the period</b>		
4.1	Cash and cash equivalents at beginning of period	25,254	9,739
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(716)	(3,557)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(1,876)	(4,469)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	-	19,412

## Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (12 months) \$A'000
4.5	Effect of movement in exchange rates on cash held	117	1,655
4.6	<b>Cash and cash equivalents at end of period</b>	<b>22,779</b>	<b>22,779</b>

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1	Bank balances	22,779	25,254
5.2	Call deposits	-	-
5.3	Bank overdrafts	-	-
5.4	Other (term deposit)	-	-
5.5	<b>Cash and cash equivalents at end of quarter (should equal item 4.6 above)</b>	<b>22,779</b>	<b>25,254</b>

6.	Payments to related parties of the entity and their associates	Current quarter \$A'000
6.1	Aggregate amount of payments to related parties and their associates included in item 1	120
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-
<i>Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments.</i>		

Payments included in item 6.1 relates to payment of director fees (\$120k)



<b>7.</b>	<b>Financing facilities</b> <i>Note: the term "facility" includes all forms of financing arrangements available to the entity.</i> <i>Add notes as necessary for an understanding of the sources of finance available to the entity.</i>	<b>Total facility amount at quarter end \$A'000</b>	<b>Amount drawn at quarter end \$A'000</b>
7.1	Loan facilities	-	-
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	<b>Total financing facilities</b>	-	-
7.5	<b>Unused financing facilities available at quarter end</b>		-
7.6	Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.		

<b>8.</b>	<b>Estimated cash available for future operating activities</b>	<b>\$A'000</b>
8.1	Net cash from / (used in) operating activities (item 1.9)	(717)
8.2	Payments for exploration & evaluation classified as investing activities (item 2.1(d))	-
8.2a	Other (funding of joint venture) (item 2.5)	(1,876)*
8.3	Total relevant outgoings (item 8.1 + item 8.2 + item 8.2a)	(2,593)
8.4	Cash and cash equivalents at quarter end (item 4.6)	22,779
8.5	Unused finance facilities available at quarter end (item 7.5)	-
8.6	Total available funding (item 8.4 + item 8.5)	22,779
8.7	<b>Estimated quarters of funding available (item 8.6 divided by item 8.3)</b> <i>Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3, answer item 8.7 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.7.</i> * The Company considers it appropriate to include cash outflows related to the funding of joint venture (investing activities) in this table given its ongoing obligation to fund these activities.	8.8
8.8	If item 8.7 is less than 2 quarters, please provide answers to the following questions: 8.8.1 Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not? <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">Answer:</div> 8.8.2 Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful? <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">Answer:</div>	

**Mining exploration entity or oil and gas exploration entity quarterly cash flow report**

8.8.3 Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?

Answer:

*Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.*

**Compliance statement**

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

Date: 25 January 2022.....

Authorised by: By the Audit and Risk Committee.....  
(Name of body or officer authorising release – see note 4)

**Notes**

1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, *AASB 6: Exploration for and Evaluation of Mineral Resources* and *AASB 107: Statement of Cash Flows* apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee – eg Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.