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10 February 2022

KAZ MINERALS GROUP PRODUCTION AND SALES REPORT FOR TWELVE MONTHS AND THE FOURTH QUARTER ENDED 31 DECEMBER 2021

		12m	12m	Q4	Q3	Q4
		2021	2020	2021	2021	2020
Copper production ¹	kt	298.7	305.7	74.8	73.6	75.7
Aktogay	kt	138.4	131.2	36.1	32.4	31.9
Bozshakol	kt	107.5	122.0	25.9	27.7	31.3
East Region & Bozymchak	kt	52.8	52.5	12.8	13.5	12.5
Gold production ²	koz	166.8	196.3	40.6	43.3	35.9
Silver production ²	koz	3,417	3,374	904	849	732
Zinc in concentrate	kt	46.5	49.7	12.4	12.3	10.2
Copper sales ³	kt	252.6	300.4	53.2	62.4	72.1
Gold sales ⁴	koz	136.9	204.6	38.4	36.0	45.4
Silver sales ⁴	koz	2,935	3,496	719	805	896
Zinc in concentrate sales	kt	42.9	50.3	9.7	11.1	11.4

¹ Payable metal in concentrate and copper cathode from Aktogay oxide ore

Highlights

- KAZ Minerals achieved copper production of 299 kt in 2021, exceeding the production target set at the start of the year of 275-295 kt, due to Aktogay and Bozshakol operating above design capacity and an exceptional ramp-up at the Aktogay expansion.
- The second sulphide concentrator at Aktogay was commissioned in October 2021 and has shipped its first copper concentrate to customers during the fourth quarter. The ramp-up has outperformed expectations, with the new concentrator achieving design capacity throughput for extended periods.
- Copper production in the fourth quarter increased by 2% to 75 kt (Q3 2021: 74 kt) driven by an increase at Aktogay following the start-up of the second sulphide concentrator, which offset lower output from Bozshakol and East Region & Bozymchak, where grades fell.
- Full year gold production of 167 koz was consistent with the Group's target of 160-180 koz. KAZ Minerals exceeded its annual targets for the production of both silver and zinc in concentrate.
- Copper sales of 253 kt in 2021 were 18% below production as the Group experienced congestion on the rail network during the second half of the year, including restrictions at the Kazakhstan-China border associated with enhanced Covid-19 measures. There has subsequently been a significant improvement in transit times with inventory levels reducing in January.
- At the start of January there was unrest in Kazakhstan. None of the Group's staff were harmed and there was no damage to Group property. There was minimal disruption to the Group's operations, all of which are running at full capacity.

Andrew Southam, Chief Executive Officer, said: "KAZ Minerals' operations continued to perform strongly in the fourth quarter, and supported by the exceptional ramp-up of the second concentrator at Aktogay, the Group met or exceeded its production targets for all metals. We have had a good start to 2022, with the second concentrator at Aktogay set to deliver further growth in the year."

² Payable metal in concentrate

³ Payable metal in concentrate, toll processed metal and copper cathode from Aktogay oxide ore

⁴ Payable metal in concentrate and toll processed metal

For further information please contact:

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NOTES TO EDITORS

KAZ Minerals Limited ("KAZ Minerals" or "the Group") is a high growth copper company focused on large scale, low cost, open pit mining in Kazakhstan, Russia and Kyrgyzstan. It operates the Aktogay and Bozshakol open pit copper mines in the East Region and Pavlodar region of Kazakhstan, three underground mines and associated concentrators in the East Region of Kazakhstan and the Bozymchak copper-gold mine in Kyrgyzstan. In 2021, total copper production was 299 kt with by-products of 167 koz of gold, 3,417 koz of silver and 43 kt of zinc in concentrate. The Group acquired the Baimskaya copper project in the Chukotka region of Russia in January 2019, one of the world's most significant undeveloped copper assets, with the potential to become a large scale, low cost, open pit copper mine.

The Group's major operations at Aktogay and Bozshakol have delivered industry leading production growth and transformed KAZ Minerals into a company dominated by world class, open pit copper mines. The Aktogay expansion project to double sulphide processing capacity at the mine was officially opened in October 2021, with first shipments to customers dispatched in December 2021.

The Group has completed a Bankable Feasibility Study for the Baimskaya copper project and is progressing financing for the greenfield development, which has an expected capital construction cost of \$8.5 billion. The Peschanka deposit within the Baimskaya licence area in Russia has JORC measured, indicated and inferred resources of 9.9 Mt of copper at an average grade of 0.39% and 16.6 Moz of gold at an average grade of 0.21 g/t.

KAZ Minerals employs around 16,000 people across Kazakhstan, Russia and Kyrgyzstan.

		12m	12m	Q4	Q3	Q4
		2021	2020	2021	2021	2020
Ore extraction	kt	54,944	41,246	14,745	13,579	12,513
Oxide	kt	20,655	10,458	3,192	5,677	5,427
Sulphide	kt	34,289	30,788	11,553	7,902	7,086
Oxide						
Oxide ore to leach pads	kt	20,655	10,577	3,192	5,677	5,427
Grade	%	0.32	0.28	0.33	0.32	0.26
Copper cathode	kt	24.2	21.3	5.9	7.6	4.6
Sulphide						
Sulphide ore processed	kt	27,959	24,138	8,828	5,989	6,057
Sulphide ore processed Sulphide 1	kt kt	27,959 25,798	24,138 24,138	8,828 6,667	5,989 5,989	6,057 6,057
Sulphide 1	kt	25,798		6,667		
Sulphide 1 Sulphide 2	kt kt	25,798 2,161	24,138	6,667 2,161	5,989 -	6,057 -
Sulphide 1 Sulphide 2 Average grade processed	kt kt %	25,798 2,161 0.50	24,138 - 0.56	6,667 2,161 0.44	5,989 - 0.50	6,057 - 0.56
Sulphide 1 Sulphide 2 Average grade processed Recovery rate	kt kt %	25,798 2,161 0.50 84.9	24,138 - 0.56 85.0	6,667 2,161 0.44 80.9	5,989 - 0.50 86.9	6,057 - 0.56 84.6
Sulphide 1 Sulphide 2 Average grade processed Recovery rate Copper in concentrate Copper production ¹	kt kt % % kt	25,798 2,161 0.50 84.9 119.6	24,138 - 0.56 85.0 115.1	6,667 2,161 0.44 80.9 31.7	5,989 - 0.50 86.9 25.9	6,057 - 0.56 84.6 28.6
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Sulphide 1 Sulphide 2 Average grade processed Recovery rate Copper in concentrate Copper production Total copper production	kt kt % kt kt	25,798 2,161 0.50 84.9 119.6 114.2	24,138 - 0.56 85.0 115.1 109.9	6,667 2,161 0.44 80.9 31.7 30.2	5,989 - 0.50 86.9 25.9 24.8	6,057 - 0.56 84.6 28.6 27.3
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¹ Payable metal in concentrate.

Ore extraction at Aktogay in Q4 2021 of 14,745 kt was 9% higher than the previous quarter (Q3 2021: 13,579 kt) as a reduction in oxide ore mined was offset by a 46% increase in sulphide ore mined to 11,553 kt (Q3 2021: 7,902 kt). Sulphide ore has been stockpiled throughout the year to prepare for the commissioning of the second 25 Mtpa sulphide concentrator ("sulphide 2"), which took place in October 2021.

Sulphide ore processing volumes in Q4 of 8,828 kt increased by 47% from the previous quarter (Q3 2021: 5,989 kt) as ore throughput was limited in Q3 2021 due to maintenance work at the SAG mill and as sulphide 2 launched in Q4 2021, processing 2,161 kt in the period. Copper production from sulphide ore in Q4 of 30.2 kt increased by 21% compared with the previous quarter (Q3 2021: 24.8 kt) with sulphide 2 contributing 4.6 kt of copper. Sulphide 2 is based on the same design as the first sulphide concentrator ("sulphide 1"), and therefore the Aktogay management team has benefited from existing operational knowledge. To date, the ramp-up has exceeded expectations, with the concentrator achieving throughput in excess of the hourly design parameters for extended periods. Production from sulphide 1 of 25.6 kt of copper represented an increase compared with the previous quarter as higher throughput more than offset a reduction in the grade processed at the plant.

Copper cathode production from oxide ore of 5.9 kt in Q4 decreased by 22% compared with the previous quarter (Q3 2021: 7.6 kt) due to seasonal temperature variation.

Total copper production in Q4 2021 of 36.1 kt was 11% higher than the previous quarter (Q3 2021: 32.4 kt) mainly due to the commissioning of sulphide 2 during the quarter.

Silver production in Q4 of 183 koz increased by 48% compared with the previous quarter (Q3 2021: 124 koz) as the site benefited from a higher silver grade in ore processed. Full year production of 594 koz increased by 24% (FY 2020: 479 koz) also due to higher silver grade.

Ore extraction over the full year increased by 33% to 54,944 kt (FY 2020: 41,246 kt). Oxide ore mined of 20,655 kt was 97% higher than the prior year (FY 2020: 10,458 kt) as oxide material was continually delivered to the heap leach pads during the year, whereas in 2020 oxide ore mining was temporarily suspended as production focused on the re-irrigation of previously extracted material. Sulphide ore extraction of 34,289 kt (FY 2020: 30,788 kt) continued to exceed throughput at the concentrator as stockpiling was performed to prepare for the ramp-up of the second sulphide plant in 2022.

² Minimal volume recovered from Aktogay material.

Sulphide ore processed in 2021 was 27,959 kt, with sulphide 1 contributing 25,798 kt, a 7% increase compared with the prior year comparative period (FY 2020: 24,138 kt) as the plant achieved throughput in excess of its 25 Mtpa design capacity as management continue to identify opportunities to improve operational performance. The average grade processed reduced from 0.56% in 2020 to 0.50% in 2021 due to an expected decline in grades processed at sulphide 1 and the Group's decision to process lower grade material at sulphide 2 during its ramp-up phase.

The increase in ore throughput more than offset the reduction in the grade processed and copper production from sulphide ore increased by 4% to 114.2 kt (FY 2020: 109.9 kt). Copper cathode production also increased in 2021 to 24.2 kt from 21.3 kt in 2020 as a greater volume of ore was placed under irrigation.

Overall, total copper production at Aktogay increased by 5% in 2021 to 138.4 kt, a record for the site.

		12m 2021	12m 2020	Q4 2021	Q3 2021
Ore extraction	kt	27,474	32,090	5,475	5,581
Sulphide	kt	23,577	26,556	4,743	5,383
Clay	kt	3,897	5,534	732	198
Ore processed	kt	32,700	31,618	8,771	8,125
Copper					
Average copper grade processed	%	0.46	0.51	0.43	0.49
Copper recovery rate	%	74.4	79.7	71.5	72.6
Copper in concentrate	kt	112.6	127.8	27.1	29.0
Copper production ¹	kt	107.5	122.0	25.9	27.7
Gold					
Average gold grade processed	g/t	0.21	0.26	0.21	0.22
Gold recovery rate	%	53.5	60.3	49.8	55.0
Gold in concentrate	koz	120.8	162.2	30.1	32.2
Gold production ¹	koz	112.9	151.7	28.1	30.1
Silver production ¹	koz	732	949	178	175

Q4

2020

9.833

6,824

3,009

7.867

0.52

79.6

32.8

31.3

0.24

56.0

33.5

31.4

249

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Ore extraction in Q4 2021 of 5,475 kt was broadly in line with the previous quarter (Q3 2021: 5,581 kt) as stockpiled material continued to be used to feed the concentrators.

During Q4 both the sulphide and clay plants continued operating above their combined design capacity of 30 Mtpa resulting in increased ore processed of 8,771 kt compared with the previous quarter (Q3 2021: 8,125 kt) and the prior year comparative period (Q4 2020: 7,867 kt).

Copper production in Q4 2021 of 25.9 kt was 6% lower than the previous quarter (Q3 2021: 27.7 kt) due to a decrease in the average grade processed from 0.49% to 0.43% and a reduction in the recovery rate as a result of the composition of the ore processed in the quarter.

Gold production in Q4 decreased to 28.1 koz, 7% lower than the previous quarter (Q3 2021: 30.1 koz) due to a reduction in gold grades processed, and a fall in the recovery rate from 55% to 50% which was impacted by oxidisation of the stockpiled ore processed.

Silver production in Q4 of 178 koz was 2% higher than the previous quarter (Q3 2021: 175 koz) as increased throughput and grades offset a reduction in the recovery rate.

Ore extraction of 27,474 kt in 2021 was 14% lower than the prior year (FY 2020: 32,090 kt) when ore extraction was broadly in line with processing volumes. During 2021 a greater volume of stockpiled ore was used to feed the concentrators which both successfully exceeded their throughput design capacities in 2021. Full year ore processed of 32,700 kt represented a 3% increase compared with the prior year (FY 2020: 31,618 kt) and was 9% above design capacity.

Copper production decreased by 12% to 107.5 kt in 2021 (FY 2020: 122.0 kt) as higher ore processed volumes were offset by a reduction in the average grade processed from 0.51% to 0.46%. The grade reduction in 2021 contributed to a lower recovery rate, which was also impacted by the processing of oxidised ore from stockpiles.

Full year gold output of 112.9 koz was 26% below the prior year comparative period (FY 2020: 151.7 koz) due to a reduction in the average grade and recovery rate at both the sulphide and clay plants, as expected.

Silver production in 2021 reduced by 23% to 732 koz (FY 2020: 949 koz) as the expected decline in silver grades more than offset higher throughput.

		12m 2021	12m 2020	Q4 2021	Q3 2021	Q4 2020
Ore extraction	kt	3,851	3,753	984	955	690
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Ore processed	kt	3,734	3,466	931	951	705
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Copper						
Average grade processed	%	1.66	1.78	1.61	1.68	2.07
East Region	%	2.07	2.07	1.99	2.09	1.99
Bozymchak	%	0.71	0.76	0.66	0.72	0.82
Average recovery rate	%	89.7	90.0	89.8	88.8	91.0
East Region	%	90.0	90.2	90.1	88.9	91.0
Bozymchak	%	87.7	87.9	87.6	87.9	89.5
Copper in concentrate	kt	55.6	55.5	13.5	14.2	13.2
East Region	kt	48.7	50.1	12.0	12.4	11.9
Bozymchak	kt	6.9	5.4	1.5	1.8	0.3
Copper production ¹	kt	52.8	52.5	12.8	13.5	12.5
East Region	kt	46.2	47.4	11.3	11.8	12.2
Bozymchak	kt	6.6	5.1	1.5	1.7	0.3
Gold production ¹	koz	53.8	44.0	12.6	13.2	4.5
Silver production ¹	koz	2,091	1,946	542	550	362
Zinc in concentrate	kt	46.5	49.7	12.4	12.3	10.2

¹ Payable metal in concentrate.

Ore mined in Q4 2021 of 984 kt was 3% higher than the previous quarter (Q3 2021: 955 kt) and ore processed in the period of 931 kt decreased by 2% (Q3 2021: 951 kt), as material continued to be stockpiled at Bozymchak. The volumes of ore extracted and processed were significantly higher than Q4 2020, when operations were suspended at Bozymchak for most of the quarter.

Copper production in Q4 fell by 5% to 12.8 kt (Q3 2021: 13.5 kt) as lower grades were processed at East Region, where planned mining of higher grade areas of Artemyevsky was delayed and at Bozymchak where grades began to reduce, as expected, as the pit deepens.

Gold production in Q4 of 12.6 koz fell by 4% (Q3 2021: 13.2 koz) due to lower throughput and a reduction in the grade processed at Bozymchak.

Silver production in Q4 2021 of 542 koz was in line with the previous quarter (Q3 2021: 550 koz) with higher throughput broadly offsetting a reduction in the silver grade processed at Bozymchak.

Zinc in concentrate output of 12.4 kt in Q4 2021 was in line with the previous quarter (Q3 2021: 12.3 kt).

In 2021 total ore extraction of 3,851 kt was 3% higher than the prior year (FY 2020: 3,753 kt) mainly due to an increase at Bozymchak, where operations ceased for most of Q4 2020 during a period of political instability.

Ore processed in 2021 totalled 3,734 kt, an 8% increase compared with 2020 (FY 2020: 3,466 kt) as higher throughput at Bozymchak, which operated 11% above design capacity, offset lower ore processed at the Nikolayevsky concentrator in the East Region.

Copper production of 52.8 kt in 2021 was consistent with the prior year (FY 2020: 52.5 kt) due to increased output from Bozymchak, where higher throughput offset lower average grades, which mitigated a fall in production from East Region arising from lower ore processed volumes.

Gold production in 2021 increased by 22% to 53.8 koz compared with the prior year (FY 2020: 44.0 koz) as additional ore processed and improved recoveries at Bozymchak offset lower throughput and grades at East Region.

Silver output totalled 2,091 koz in 2021, 7% higher than the prior year (FY 2020: 1,946 koz), resulting from increased throughput at Bozymchak and higher grades at the East Region.

Zinc in concentrate production of 46.5 kt in 2021 was 6% below the prior year (FY 2020: 49.7 kt) due to reduced throughput levels and lower grades processed at the East Region concentrators.