



Q3 2018 and 9M 2018 Operating results

Moscow, 22 October 2018 – ALROSA, a global leader in diamond production, reports its Q3 2018 and 9M 2018 production and sales update.

Key highlights:

- **Q3 2018 diamond production grew by 23% q-o-q (up 2% y-o-y) to 10.5 m carats** due to seasonal growth in output at alluvial deposits, an increase in ore and gravels processing, and the ramp-up of the recently launched assets to design capacity.
An 11% decrease in 9M output to 26.4 m carats was mainly due to the shutdown of the Mir underground mine (UM) and the completion of open-pit mining at the Udachnaya pipe.
- **In Q3 2018, the volume of processed ore and gravels grew by 70% q-o-q (up 10% y-o-y) to 17.2 m tonnes**, due to seasonal return to production at alluvial deposits.
The volume of processed ore and gravels in 9M 2018 rose by 4% to 33 m tonnes, mainly driven by an increase in ore processing at alluvial deposits.
- **In Q3 2018, the average diamond grade per tonne of ore** was lower by 28% q-o-q (down 7% y-o-y) to 0.61 cpt, mainly due to seasonal growth of production at alluvial deposits. A 14% decrease in diamond grade **in 9M 2018** to 0.8 cpt was caused by the closure of the Mir UM in 2017 and production growth at lower-grade assets.
- **Q3 Group rough diamond sales (ex. polished diamond sales) were 6.7 m carats** (down 26% q-o-q), including 4.7 m carats of gem-quality diamonds (down 26% q-o-q) and 2.0 m carats of industrial diamonds (down 27% q-o-q). **9M diamond sales** were 29.1 m carats (down 9% y-o-y), including 21.1 m carats of gem-quality diamonds (down 12% y-o-y) and 8.0 m carats of industrial diamonds (up 1% y-o-y).
- **Inventories as at the end of Q3 2018** were up by 42% q-o-q (down 11% y-o-y) to 15.5 m carats, driven by a seasonal production growth at alluvial deposits and lower sales volumes.
- **Growth of average realised prices for gem-quality diamonds:** following sales in July through September, average realised prices* (including product mix change effect) grew by 22% q-o-q (up 18% y-o-y) to \$199/ct due to improved mix as sales of +10.8 and +2 carat stones grew.
- **The diamond price index grew by 5.2%** year-to-date, driven by improved demand.
- **Q3 sales** decreased by 10% q-o-q to \$973 m (up 13% y-o-y), with gem quality diamond sales (ex. polished and industrial diamonds) amounting to \$949 m.
- **2018 forecast:** production outlook remains unchanged at 36.6 m carats, a decrease of 8% y-o-y.

Market overview

- In H1 2018, the diamond jewellery market grew by 6% as all key markets enjoyed rising sales, with the exception of India. The stagnant growth in India was due to local banks' reluctance to fund the diamond industry.
- In H1 2018, the diamond jewellery market was in the positive territory, among other things, due to the robust growth of major markets in the US and China. The North American market saw diamond jewellery sales rise by 5% y-o-y. In Asia and Europe, sales in dollar terms added 8% y-o-y (up 3% and down 3%, respectively, at constant exchange rates).
- In Q3 2018, the rough diamond market experienced a traditional seasonal slowdown due to summer holidays. Beginning in the second half of August, cutters were loading production facilities to accumulate sufficient diamond inventory ahead of the Diwali festival holidays starting on 7 November. Resumed market activity following the summer slowdown saw weaker demand for inexpensive goods due, in part, to the depreciation of the world currencies against the US dollar.

Hereinafter data on 2018 Q3 and 9M 2018 production, sales, prices, inventories is preliminary and can be updated. Data on the diamond market is the Company's estimate.

** Average realised prices (sales revenue divided by the sales volumes in carat terms) is also impacted by changes in product mix throughout the reported period.*

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2018 key events

8 November ALROSA's Q3 2018 IFRS financial results

9 November October 2018 sales results

10 December November 2018 sales results

Sales volumes

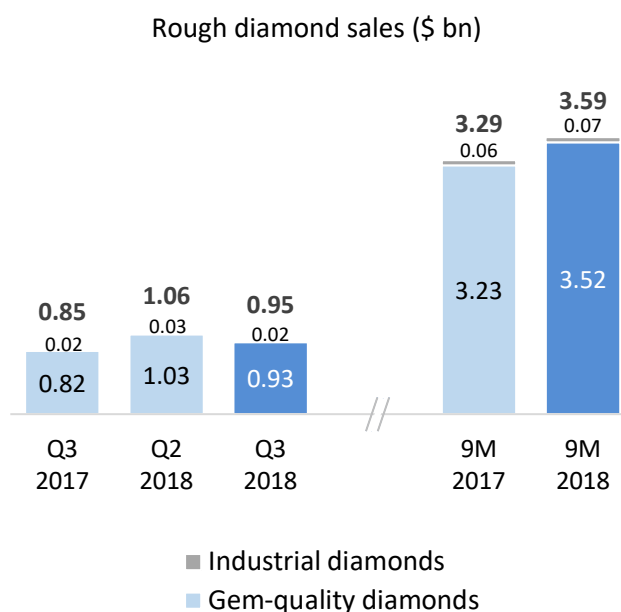
- **In Q3 2018, rough diamond sales (ex. polished diamonds) decreased** by 2.3 m carats q-o-q to 6.7 m carats (down 26% q-o-q), including gem-quality diamonds down by 1.6 m carats q-o-q to 4.7 m carats (down 26% q-o-q) due to a drop in sales of small-size diamonds. An 11% decrease y-o-y was also due to weaker small-size diamond sales. Industrial diamond sales dropped to 2.0 m carats (down 27% q-o-q), while the share of gem-quality diamonds in sales remained at 70%.



- **In 9M 2018, diamond sales declined** by 2.7 m carats to 29.1 m carats (down 9% y-o-y), including gem-quality diamonds down by 2.8 m carats to 21.1 m carats (down 12% y-o-y) on the back of an overall y-o-y output reduction. Industrial diamond sales totalled 8.0 m carats (up 1% y-o-y).

- **Diamond inventories as at the end of Q3 2018** increased by 4.5 m carats q-o-q to 15.5 m carats (up 42% q-o-q), driven by a seasonal increase in production at alluvial deposits and a decline in small-size diamond sales in Q3 2018. Inventories decreased by 2.0 m carats y-o-y (down 11% y-o-y).

- **In Q3 2018, sales stood at \$973 m, including diamond sales (ex. polished diamonds) at \$949 m** (down 10% q-o-q) on the back of a 26% q-o-q decline of sales in carats. In money terms, Q3 sales rose by 12% y-o-y, while sales in carats shrank by 11% y-o-y.



- **9M sales** increased by \$306 m (up 9% y-o-y), including diamond sales up by \$299 m, while sales in carats declined by 9%.

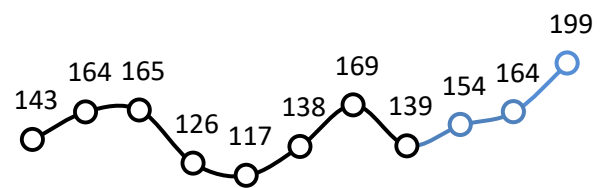
- **In Q3 2018, sales of rough gem-quality diamonds** in US dollars decreased by 10% q-o-q to \$933 m, while sales in carats dropped by 26%. Sales in US dollars increased by 13% y-o-y, while sales in carats shrank by 4% y-o-y, which was offset by higher average realised prices.

- **In Q3 2018, polished diamond sales** amounted to \$24.1 m: down 8% q-o-q and up 83% y-o-y.

- **In 9M 2018, polished diamond sales** were \$74.0 m, up 9% y-o-y.

- **Average realised prices for rough gem-quality diamonds grew by 22% q-o-q** (up 18% y-o-y) to circa \$199/ct, driven by both general demand growth and a higher share of large diamonds (+10.8 carats and +2 carats).
- **The diamond price index grew by 5.2%** since beginning of the year, driven by higher demand.

Gem quality diamonds average realised price (\$/ct)



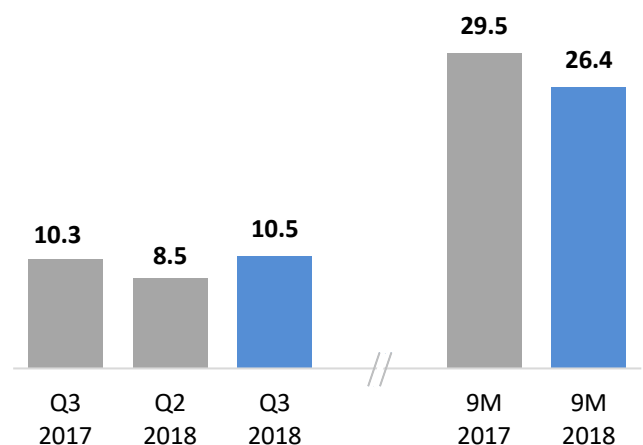
Quarter	Year
Q1	2016
Q2	2016
Q3	2016
Q4	2016
Q1	2017
Q2	2017
Q3	2017
Q4	2017
Q1	2018
Q2	2018
Q3	2018

* Average realised prices (sales revenue divided by the sales volumes in carat terms) is also impacted by changes in product mix throughout the reported period.

Production

- **In Q3 2018, diamond production grew by 23% q-o-q** to 10.5 m carats, due to seasonal growth of production at alluvial deposits by 3.5 m carats. On top of that, the Nyurba Division's deposits increased ore processing, and the recently launched Udachny UM and Severalmaz gradually ramped up their production to design capacity.
 - **A 2% y-o-y rise in Q3 diamond production** was driven by an increase in ore processing at the Jubilee pipe and the Udachny UM alongside the scheduled ramp-up to design capacity at Severalmaz.
 - **In 9M 2018, diamond production declined by 11% y-o-y** to 26.4 m carats, mainly due to the closure of the Mir UM.
 - **Open-pit mining volumes** shrank by 8% q-o-q to 3.8 m carats, largely due to a lower output at the Jubilee pipe as a result of planned maintenance works at the processing plant.
 - **A 6% y-o-y growth in open-pit mining** resulted from a planned increase in ore processing at the Zarnitsa pipe, and the scheduled ramp-up to design capacity at Severalmaz.
- In Q3 2018, the share of open-pit mining decreased by 12 p.p. q-o-q to 36% (up 2 p.p. y-o-y).
- **Underground mining volumes** dropped 2.2 times q-o-q to 988,000 carats, primarily following the planned decrease in mining at all ALROSA's underground mines, among other things, due to planned maintenance works at processing plants.

Rough diamond production (m cts)



- **A 26% y-o-y decrease in underground mining volumes** was caused by the shutdown of the Mir UM, while mining volumes at the Udachny UM went up 1.9 times y-o-y due to its gradual ramp-up to design capacity.

In Q3 2018, the share of underground mining dropped by 16 p.p. q-o-q to 9% (down 4 p.p. y-o-y).

- **Alluvial mining volumes** grew 2.5 times q-o-q to 5.8 m carats due to seasonal return to production. A 7% y-o-y growth is largely attributable to an increase in gravels processing at the Nyurba Division's alluvial deposits, driven by a higher diamond grade.

In Q3 2018, the share of alluvial mining operations grew by 28 p.p. q-o-q to 55% (up 2 p.p. y-o-y).

- **In Q3 2018, the average diamond grade per tonne of ore dropped by 28% q-o-q** (down 7% y-o-y) to 0.61 cpt, mainly driven by seasonal return to production at alluvial deposits, and a lower average diamond grade at the Nyurbinskaya pipe. A y-o-y decrease was mainly caused by the closure of the Mir UM.

Performance by division

Aikhal Division operational overview

Aikhal Division accounted for 17% and 28% of ALROSA Group's total diamond production in Q3 2018 and 9M 2018, respectively

	Q3 2018	Q2 2018	Q3 2017	q-o-q	y-o-y	9M 2018	9M 2017	y-o-y
Ore processing, '000 t	1,567	2,664	1,160	(41%)	35%	6,763	6,402	6%
Grade, cpt	1.12	1.10	1.03	2%	8%	1.11	1.26	(13%)
Diamond production, '000 cts	1,748	2,919	1,200	(40%)	46%	7,477	8,089	(8%)

In Q3 2018, diamond production decreased by 40% q-o-q (up 46% y-o-y) to reach **1,748,000 carats**. Ore processed in this period was down 41% q-o-q (up 35% y-o-y) to **1,567,000 tonnes**.

In 9M 2018, diamond production decreased by 8% y-o-y to **7,477,000 carats**. Ore processing in this period increased by 6% y-o-y to **6,763,000 tonnes**.

Open-pit mining:

At the Jubilee pipe, a 43% q-o-q decrease in diamond production in Q3 2018 was caused by a 52% q-o-q reduction in ore processing, with the average diamond grade per tonne of ore up 18% q-o-q. A 29% y-o-y growth of diamond production came on the back of a 49% y-o-y increase in ore processing, with the average diamond grade per tonne of ore down 13% y-o-y.

An 8% y-o-y decrease in diamond production at the Jubilee pipe in 9M 2018 was caused by the processing of porphyritic kimberlites from the western and eastern ore shoots with a lower diamond grade (down 14% y-o-y).

At the Komsomolskaya pipe, a 44% q-o-q growth of diamond production in Q3 2018 was driven by a 45% q-o-q increase in ore processing. A 7% y-o-y decrease in diamond production was due to the processing of lower-grade ore (grade down 6% y-o-y).

A 3% y-o-y decrease in diamond production at the Komsomolskaya pipe in 9M 2018 was due to a planned 5% y-o-y reduction in ore processing, with the average diamond grade per tonne of ore up 2% y-o-y.

Underground mining:

At the Aikhal underground mine, a 42% q-o-q decrease in diamond production in Q3 2018 was caused by a planned 35% q-o-q reduction in ore processing and a lower diamond grade (down 11% y-o-y). In Q3 2017, the Aikhal underground mine saw no diamond production.

A 5% y-o-y decline in diamond production at the Aikhal underground mine in 9M 2018 was due to a lower diamond grade per tonne of processed ore (down 18% y-o-y).

Mirny Division operational overview

Mirny Division accounted for 5% and 11% of ALROSA Group's total diamond production in Q3 2018 and 9M 2018, respectively

	Q3 2018	Q2 2018	Q3 2017	q-o-q	y-o-y	9M 2018	9M 2017	y-o-y
Ore and gravels processing, '000 t	1,601	1,451	1,836	10%	(13%)	3,484	3,843	(9%)
Grade, cpt	0.31	0.77	0.77	(60%)	(60%)	0.80	1.52	(48%)
Diamond production, '000 cts	493	1,116	1,406	(56%)	(65%)	2,778	5,851	(53%)

In Q3 2018, diamond production decreased by 56% q-o-q (down 65% y-o-y) to **493,000 carats**. The volume of processed ore and gravels during this period increased by 10% q-o-q (down 13% y-o-y) to **1,601,000 tonnes**.

Diamond production in 9M 2018 dropped by 53% y-o-y to **2,778,000 carats**. Ore and gravels processed in this period amounted to **3,484,000 tonnes**, down 9% y-o-y.

Underground mining:

At the International underground mine, a 72% q-o-q and a 55% y-o-y decrease in diamond production in Q3 2018, and a 19% y-o-y decline in 9M 2018 were caused by the scheduled shutdown of the processing plant.

In Q3 2018, the Mir UM saw no diamond production.

Alluvial mining:

A 36% q-o-q growth of diamond production at alluvial and technogenic deposits in Q3 2018 was driven by an increase in gravels processing due to seasonal return to production. A 29% y-o-y drop in diamond production was caused by the shutdown of the processing plant for planned maintenance.

A 4% y-o-y decline of diamond production at the Mirny Division's alluvial and technogenic deposits in 9M 2018 also came on the back of the processing plant's scheduled shutdown.

Udachny Division operational overview

Udachny Division accounted for 8% and 10% of ALROSA Group's total diamond production in Q3 2018 and 9M 2018, respectively

	Q3 2018	Q2 2018	Q3 2017	q-o-q	y-o-y	9M 2018	9M 2017	y-o-y
Ore and gravels processing, '000 t	1,921	1,519	1,474	26%	30%	4,940	4,689	5%
Grade, cpt	0.45	0.64	0.49	(31%)	(10%)	0.54	0.60	(11%)
Diamond production, '000 cts	858	978	729	(12%)	18%	2,652	2,833	(6%)

In Q3 2018, diamond production decreased by 12% q-o-q (up 18% y-o-y) to **858,000 carats**. Ore and gravels processed in this period amounted to **1,921,000 tonnes**, an increase of 26% q-o-q (up 30% y-o-y).

In 9M 2018, diamond production decreased by 6% y-o-y to **2,652,000 carats**. Ore and gravels processed in this period amounted to **4,940,000 tonnes**, an increase of 5% y-o-y.

Open-pit mining:

A two-fold q-o-q growth in diamond production at the Zarnitsa pipe in Q3 2018 was driven by a planned increase in ore processing (up 92% q-o-q) and a higher average diamond grade (up 5% q-o-q). A 76% y-o-y growth in diamond production resulted from a planned increase in ore processing (up 65% y-o-y), with the average diamond grade adding 7% y-o-y.

In 9M 2018, diamond production at the Zarnitsa pipe grew by 24% y-o-y thanks to a planned increase in ore processing (up 42% y-o-y). The average diamond grade was down 12% y-o-y.

In Q1 2018, processing of ore from the Udachnaya pipe was terminated after completion of open-pit mining.

The Zapolyarnaya pipe of the Verkhne-Munskoye deposit will be put into operation in Q4 2018.

Underground mining:

A 38% q-o-q decrease in diamond production at the Udachny underground mine in Q3 2018 was caused by a planned reduction in ore processing (down 36% q-o-q). A 89% y-o-y growth in production resulted from the scheduled ramp-up to design capacity and the resulting 2.4 times y-o-y increase in ore processing, with the average diamond grade down 23% y-o-y.

The gradual ramp-up at the Udachny underground mine also contributed to a 72% y-o-y growth in 9M diamond production.

Alluvial mining:

In Q3 2018, diamond production at the Udachny Division's alluvial deposits reduced by 33% q-o-q and 23% y-o-y due to a decrease in gravels processing (down 18% q-o-q and 4% y-o-y) and a lower average diamond grade per tonne of processed gravels (down 18% q-o-q and 20% y-o-y).

In 9M 2018, diamond production at the Udachny Division's alluvial deposits shrank by 25% y-o-y, which also came as a result of a lower average diamond grade of processed gravels (down 13% y-o-y).

Nyurba Division operational overview

Nyurba Division accounted for 22% and 21% of ALROSA Group's total diamond production in Q3 2018 and 9M 2018, respectively

	Q3 2018	Q2 2018	Q3 2017	q-o-q	y-o-y	9M 2018	9M 2017	y-o-y
Ore and gravels processing, '000 t	814	413	795	97%	2%	1,617	1,635	(1%)
Grade, cpt	2.89	2.94	2.89	(2%)	0%	3.38	3.48	(3%)
Diamond production, '000 cts	2,351	1,212	2,299	94%	2%	5,458	5,689	(4%)

In Q3 2018, diamond production grew by 94% q-o-q (up 2% y-o-y) to **2,351,000 carats**. In the same period, ore and gravels processing increased 2 times q-o-q (up 2% y-o-y) to **814,000 tonnes**.

In 9M 2018, diamond production decreased by 4% y-o-y to **5,458,000 carats**. In the same period, ore and gravels processing was flat (down 1% y-o-y) at **1,617,000 tonnes**.

Open-pit mining:

A 28% q-o-q growth in diamond production at the Nyurbinskaya pipe in Q3 2018 was driven by a planned increase in ore processing (up 42% q-o-q), with the average diamond grade down 10% q-o-q. A 28% y-o-y decrease in Q3 production was caused by a planned reduction in ore processing (down 39% y-o-y), while the average diamond grade increased by 18%.

A 9% y-o-y decrease in diamond production at the Nyurbinskaya pipe in 9M 2018 was also due to an overall reduction in ore processing (down 7% y-o-y) and a lower average grade (down 2% y-o-y).

A 94% q-o-q growth in diamond production at the Botuobinskaya pipe in Q3 2018 was driven by an increase in ore processing (up 84% q-o-q) and a higher average diamond grade (up 5% q-o-q). A 36% y-o-y decline in production was attributable to a significant planned decrease in average diamond grade (down 60% y-o-y). The volume of processed ore grew by 59% y-o-y.

A 37% y-o-y drop in diamond production at the Botuobinskaya pipe in 9M 2018 was also caused by a planned decrease in average diamond grade (down 42% y-o-y).

Alluvial mining:

In Q3 2018, diamond production at the Nyurba Division's alluvial deposits grew 2.4 times q-o-q due to seasonal resumption of alluvial operations resulting in increased gravels processing (up 2.2 times q-o-q), with a higher average diamond grade (up 11% q-o-q). A 40% y-o-y growth in Q3 production was attributable to an increase in gravels processing (up 13% y-o-y) and a higher diamond grade (up 24% y-o-y).

A 28% y-o-y increase in diamond production at the Nyurba Division's alluvial deposits in 9M 2018 was mainly driven by a higher diamond grade (up 28% y-o-y).

Lomonosov Division (Severalmaz) operational overview

Lomonosov Division accounted for 10% of ALROSA Group's total diamond production in both Q3 2018 and 9M 2018

	Q3 2018	Q2 2018	Q3 2017	q-o-q	y-o-y	9M 2018	9M 2017	y-o-y
Ore processing, '000 t	823	885	703	-7%	17%	2,566	2,402	7%
Grade, cpt	1.29	0.96	0.97	34%	34%	1.03	0.78	32%
Diamond production, '000 cts	1,065	854	681	25%	56%	2,648	1,883	41%

Diamond production in Q3 2018 grew by 25% q-o-q (up 56% y-o-y) to **1,065,000 carats** thanks to an increase in average diamond grade per tonne of mined ore.

Ore processing stood at **823,000 tonnes**, decreasing by 7% q-o-q due to planned repairs to processing equipment and increasing by 17% y-o-y as a result of improved equipment performance and raw material structure.

Diamond production in 9M 2018 grew by 41% y-o-y to **2,648,000 carats**. Ore processed in this period amounted to **2,566,000 tonnes**, an increase of 7% y-o-y.

Open-pit mining:

A 37% q-o-q growth in diamond production at the Arkhangelskaya pipe in Q3 2018 was driven by an increase in ore processing (up 22% q-o-q) and a higher average diamond grade (up 12% q-o-q). A 35% y-o-y increase in Q3 production was attributable to a higher average diamond grade (up 57% y-o-y) achieved in parallel with a planned reduction in ore processing (down 14% y-o-y).

A 42% y-o-y growth in diamond production at the Arkhangelskaya pipe in 9M 2018 was also driven by a higher average diamond grade (up 54% y-o-y) achieved in parallel with a planned reduction in ore processing (down 8% y-o-y).

A 16% q-o-q increase in diamond production at the Karpinskogo-1 pipe was driven by a higher average diamond grade (up 55% q-o-q) achieved in parallel with a planned reduction in ore processing (down 25% q-o-q). A 81% y-o-y growth in Q3 production resulted from an increase in ore processing (up 87% y-o-y), with the average diamond grade shrinking slightly (down 3% y-o-y).

A 39% y-o-y increase in diamond production at the Karpinskogo-1 pipe in 9M 2018 was due to increased ore processing (up 24% y-o-y) and a higher average diamond grade per tonne of ore (up 12% y-o-y).

Almazy Anabara and Nizhne-Lenskoye operational overview

Almazy Anabara and Nizhne-Lenskoye together accounted for 38% and 21% of ALROSA Group's total diamond production in Q3 2018 and 9M 2018, respectively

	Q3 2018	Q2 2018	Q3 2017	q-o-q	y-o-y	9M 2018	9M 2017	y-o-y
Gravels processing, '000 t	10,488	3,180	9,716	230%	8%	13,668	12,900	6%
Grade, cpt	0.38	0.45	0.41	(16%)	-6%	0.40	0.40	(2%)
Diamond production, '000 cts	3,987	1,433	3,940	178%	1%	5,420	5,197	4%

Alluvial mining:

In Q3 2018, Almazy Anabara and Nizhne-Lenskoye achieved a 2.8 times q-o-q growth in diamond production triggered by seasonal resumption of alluvial operations, with the gravels processing rising 3.3 times q-o-q and the average diamond grade decreasing by 16% q-o-q. A 1% y-o-y growth in Q3 diamond production was driven by an increase in gravels processing (up 8% y-o-y). The average diamond grade decreased by 6% y-o-y in the same period.

In 9M 2018, Almazy Anabara and Nizhne-Lenskoye achieved a 4% y-o-y growth in diamond production thanks to an increase in gravels processing (up 6% y-o-y), while the average diamond grade declined slightly (down 2% y-o-y).

Appendices

Appendix 1. Diamond production

'000 cts	Q3 2018	Q2 2018	q-o-q	Q3 2017	y-o-y	9M 2018	9M 2017	y-o-y
Aikhal Division	1,748	2,919	(40%)	1,200	46%	7,477	8,089	(8%)
Jubilee pipe	1,337	2,365	(43%)	1,035	29%	6,033	6,577	(8%)
Aikhal underground mine	257	447	(42%)	–	–	1,098	1,155	(5%)
Komsomolskaya pipe	154	107	44%	165	(7%)	346	357	(3%)
Mirny Division	493	1,116	(56%)	1,406	(65%)	2,778	5,851	(53%)
International underground mine	266	940	(72%)	585	(55%)	2,267	2,811	(19%)
Mir underground mine	–	9	–	500	–	30	2,539	(99%)
Alluvial and technogenic deposits	228	167	36%	321	(29%)	481	501	(4%)
Udachny Division	858	978	(12%)	729	18%	2,652	2,833	(6%)
Udachnaya pipe	–	–	–	232	–	–	996	–
Udachny underground mine	465	744	(38%)	246	89%	1,713	993	72%
Zarnitsa pipe	355	176	101%	201	76%	776	625	24%
Verkhne-Munskoye deposit	–	–	–	–	–	–	–	–
Alluvial deposits	39	58	(33%)	50	(23%)	163	219	(25%)
Nyurba Division	2,351	1,212	94%	2,299	2%	5,458	5,689	(4%)
Nyurbinskaya pipe	580	452	28%	808	(28%)	2,559	2,821	(9%)
Botuobinskaya pipe	265	137	94%	414	(36%)	769	1,211	(37%)
Alluvial deposits	1,506	624	141%	1,077	40%	2,129	1,657	28%
Severalmaz	1,065	854	25%	681	56%	2,648	1,883	41%
Arkhangelskaya pipe	488	355	37%	362	35%	1,217	856	42%
Karpinskogo-1 pipe	577	499	16%	319	81%	1,431	1,027	39%
Almazy Anabara and Nizhne-Lenskoye	3,987	1,433	178%	3,940	1%	5,420	5,197	4%
Total	10,502	8,511	23%	10,255	2%	26,432	29,542	(11%)

Appendix 2. Ore and gravels processing

'000 t	Q3 2018	Q2 2018	q-o-q	Q3 2017	y-o-y	9M 2018	9M 2017	y-o-y
Aikhal Division	1,567	2,664	(41%)	1,160	35%	6,763	6,402	6%
Jubilee pipe	1,096	2,296	(52%)	736	49%	5,615	5,236	7%
Aikhal underground mine	50	77	(35%)	–	–	208	180	16%
Komsomolskaya pipe	421	291	45%	424	(1%)	940	986	(5%)
Mirny Division	1,601	1,451	10%	1,836	(13%)	3,484	3,843	(9%)
International underground mine	32	147	(79%)	88	(64%)	338	407	(17%)
Mir underground mine	–	3	–	131	–	11	687	(98%)
Alluvial and technogenic deposits	1,569	1,300	21%	1,617	(3%)	3,136	2,749	14%
Udachny Division	1,921	1,519	26%	1,474	30%	4,940	4,689	5%
Udachnaya pipe	–	–	–	308	–	–	1,296	–
Udachny underground mine	377	589	(36%)	154	145%	1,344	558	141%
Zarnitsa pipe	1,367	713	92%	828	65%	2,922	2,063	42%
Verkhne-Munskoye deposit	–	–	–	–	–	–	–	–
Alluvial deposits	177	217	(18%)	184	(4%)	674	772	(13%)
Nyurba Division	814	413	97%	795	2%	1,617	1,635	(1%)
Nyurbinskaya pipe	128	90	42%	210	(39%)	533	575	(7%)
Botuobinskaya pipe	92	50	84%	58	59%	217	198	10%
Alluvial deposits	594	273	118%	527	13%	867	862	1%
Severalmaz	823	885	(7%)	703	17%	2,566	2,402	7%
Arkhangelskaya pipe	417	341	22%	486	(14%)	1,204	1,305	(8%)
Karpinskogo-1 pipe	407	545	(25%)	217	87%	1,363	1,097	24%
Almazy Anabara and Nizhne-Lenskoye	10,488	3,180	230%	9,716	8%	13,668	12,900	6%
Total	17,214	10,112	70%	15,684	10%	33,038	31,871	4%

Appendix 3. Grade

cpt	Q3 2018	Q2 2018	q-o-q	Q3 2017	y-o-y	9M 2018	9M 2017	y-o-y
Aikhal Division	1.12	1.10	2%	1.03	8%	1.11	1.26	(13%)
Jubilee pipe	1.22	1.03	18%	1.41	(13%)	1.07	1.26	(14%)
Aikhal underground mine	5.15	5.80	(11%)	–	–	5.28	6.42	(18%)
Komsomolskaya pipe	0.37	0.37	–	0.39	(6%)	0.37	0.36	2%
Mirny Division	0.31	0.77	(60%)	0.77	(60%)	0.80	1.52	(48%)
International underground mine	8.43	6.39	32%	6.65	27%	6.72	6.91	(3%)
Mir underground mine	–	2.58	–	3.82	–	2.88	3.70	(22%)
Alluvial and technogenic deposits	0.14	0.13	13%	0.20	(27%)	0.15	0.18	(16%)
Udachny Division	0.45	0.64	(31%)	0.49	(10%)	0.54	0.60	(11%)
Udachnaya pipe	–	–	–	0.75	–	–	0.77	–
Udachny underground mine	1.23	1.26	(2%)	1.60	(23%)	1.27	1.78	(28%)
Zarnitsa pipe	0.26	0.25	5%	0.24	7%	0.27	0.30	(12%)
Verkhne-Munskoye deposit	–	–	–	–	–	–	–	–
Alluvial deposits	0.22	0.27	(18%)	0.27	(20%)	0.24	0.28	(15%)
Nyurba Division	2.89	2.94	(2%)	2.89	–	3.38	3.48	(3%)
Nyurbinskaya pipe	4.53	5.02	(10%)	3.85	18%	4.80	4.91	(2%)
Botuobinskaya pipe	2.88	2.74	5%	7.14	(60%)	3.54	6.12	(42%)
Alluvial deposits	2.53	2.28	11%	2.04	24%	2.46	1.92	28%
Severalmaz	1.29	0.96	34%	0.97	34%	1.03	0.78	32%
Arkhangelskaya pipe	1.17	1.04	12%	0.74	57%	1.01	0.66	54%
Karpinskogo-1 pipe	1.42	0.92	55%	1.47	(3%)	1.05	0.94	12%
Almazy Anabara and Nizhne-Lenskoye	0.38	0.45	(16%)	0.41	(6%)	0.40	0.40	(2%)
Total	0.61	0.84	(28%)	0.65	(7%)	0.80	0.93	(14%)