



**Petra Diamonds Limited**

**2021 Resource Statement**

Petra Diamonds Limited (“Petra” or the “Company” or the “Group”) manages one of the world’s largest diamond Resources of 230 million carats (“Mcts”). This major Resource implies that the potential mine lives of Petra’s core assets could be considerably longer than the current mine plans in place at each operation, or could support higher production rates (in the case of Cullinan and Williamson).

*Gross Resources*

As at 30 June 2021 the Group’s gross diamond resources (inclusive of reserves) decreased 5% to 230.64 Mcts (30 June 2020: 243.51 Mcts), predominantly due to depletions at all mining assets further to ore mined in FY 2021 and the sale of Petra’s exploration assets in Botswana to Botswana Diamonds PLC, which has removed the KX36 kimberlite pipe (Resource of 8.73 Mcts) from the Resource Statement.

*Gross Reserves*

The Group’s gross diamond reserves decreased 14% to 33.33 Mcts (30 June 2020: 38.86 Mcts) primarily due to mining depletions, the impact of increased pit scaling and waste ingress on the remaining reserves in the current SLC at Finsch, changes to the mine plan and mining method for the future block at Finsch, and Williamson remaining on care and maintenance.

The following table summarises the gross Reserves and Resources status of the combined Petra Group operations as at 30 June 2021.

Category	Gross		
	Tonnes (millions)	Grade (cpht)	Contained Diamonds (Mcts)
<b>Reserves</b>			
Proved	-	-	-
Probable	116.3	28.7	33.33
<b>Sub-total</b>	<b>116.3</b>	<b>28.7</b>	<b>33.33</b>
<b>Resources</b>			
Measured	-	-	-
Indicated	329.1	47.2	155.38
Inferred	1,292.3	5.8	75.27
<b>Sub-total</b>	<b>1,621.3</b>	<b>14.2</b>	<b>230.64</b>

## Cullinan

Category	Gross		
	Tonnes (millions)	Grade (cpht)	Contained Diamonds (Mcts)
<b>Reserves</b>			
Proved	-	-	-
Probable	38.6	38.8	14.97
<b>Sub-total</b>	<b>38.6</b>	<b>38.8</b>	<b>14.97</b>
<b>Resources</b>			
Measured	-	-	-
Indicated	224.0	59.2	132.63
Inferred	169.5	10.1	17.19
<b>Sub-total</b>	<b>393.6</b>	<b>38.1</b>	<b>149.82</b>

1. Resource bottom cut-off: 1.0mm.
2. Reserve bottom cut-off: 1.0mm.
3. B-Cut Resource tonnes and grade are based on block cave depletion modelling and include external waste. A portion of the Resources in these remnant blocks report into the current caving operations as low grade dilution.
4. C-Cut Resource stated as in-situ.
5. Reserves based on PCBC simulations on C-Cut phase 1 and PCSLC simulations for the CC1E.
6. Factorised grades and carats are derived from a calculated Plant Recovery Factor ("PRF"). These factors account for the efficiency of sieving (bottom cut-off), diamond liberation and recovery in the ore treatment process.
7. The PRF has been revised in line with the new Resource model and plant commissioning in 2018. The PRFs currently applied for the new mill plant per rock type are: Brown kimberlite = 73.8%, Grey kimberlite = 67.9%, Black kimberlite = 70.6% & Coherent kimberlite = 68.0%.
8. US\$/ct values of 95-105 for ROM, excluding exceptional stones, and 35-45 for tailings based on expected sales values (with reference to FY 2021 sales results and considering rough diamond prices recovering to levels before the COVID-19 pandemic) and production size frequency distributions.

## Finsch

Category	Gross		
	Tonnes (millions)	Grade (cpht)	Contained Diamonds (Mcts)
<b>Reserves</b>			
Proved	-	-	-
Probable	26.8	55.2	14.81
<b>Sub-total</b>	<b>26.8</b>	<b>55.2</b>	<b>14.81</b>
<b>Resources</b>			
Measured			
Indicated	27.0	68.7	18.56
Inferred	40.6	47.2	19.16
<b>Sub-total</b>	<b>67.6</b>	<b>55.8</b>	<b>37.72</b>

1. Resource bottom cut-off: 1.0mm.
2. Reserve bottom cut-off: 1.0mm.
3. Block 4 Resource tonnes and grade are based on block cave depletion modelling and include external waste. A portion of this remnant Resource reports into the current caving operations as low grade dilution.
4. Increased pit scaling and waste ingress have been included in the Reserve models
5. Block 5 and Block 6 Resource stated as in situ.
6. Remaining Block 5 Reserves are based on CA3D software simulations.
7. US\$/ct values of 90-100 for ROM, based on expected sales values (with reference to FY 2021 sales results and considering rough diamond prices recovering to levels before the COVID-19 pandemic) and production size frequency distributions.

## Koffiefontein

Category	Gross		
	Tonnes (millions)	Grade (cpht)	Contained Diamonds (Mcts)
<b>Reserves</b>			
Proved	-	-	-
Probable	2.3	8.2	0.19
<b>Sub-total</b>	<b>2.3</b>	<b>8.2</b>	<b>0.19</b>
<b>Resources</b>			
Measured			
Indicated	14.6	7.6	1.11
Inferred	124.1	3.3	4.14
<b>Sub-total</b>	<b>138.7</b>	<b>3.8</b>	<b>5.25</b>

1. Resource bottom cut-off (Koffiefontein underground and Ebenhaezer): 1.15mm.
2. Reserve bottom cut-off: 1.15mm.
3. Main Pipe resources above 490L are remnants of the front cave mining block and include external waste. A portion of this remnant Resource reports into the current caving operations as low grade dilution.
4. Resources below 490L are stated as in situ.
5. The Eskom Tailings Mineral Resource has been removed following a donation of part of the Tailings Mineral Resource to the Koffiefontein Community Mining Primary Cooperative to promote artisanal small-scale mining in the area.
6. Remaining 56–60L sub-level cave Reserves are based on PCSLC simulations
7. US\$/ct values of 470-520 for ROM, based on expected sales values (with reference to FY 2021 sales results and considering rough diamond prices recovering to levels before the COVID-19 pandemic) and production size frequency distributions.

## Williamson

Category	Gross		
	Tonnes (millions)	Grade (cpht)	Contained Diamonds (Mcts)
<b>Reserves</b>			
Proved	-	-	-
Probable	48.6	6.9	3.36
<b>Sub-total</b>	<b>48.6</b>	<b>6.9</b>	<b>3.36</b>
<b>Resources</b>			
Measured			
Indicated	63.4	4.9	3.08
Inferred	958.0	3.6	34.77
<b>Sub-total</b>	<b>1021.4</b>	<b>3.7</b>	<b>37.86</b>

1. Resource bottom cut-off: 1.15mm.
2. Reserve bottom cut-off: 1.15mm.
3. Resource depletions based on June 2020 pit surface, adjusted for the in-pit slump experienced in FY 2020.
4. Reserves adjusted with 9 months removed from Life of Mine plan (to end of Mining Licence in 2030).
5. Reserves based on mine scheduling in XPAC, including care and maintenance.
6. US\$/ct values of 180-230 for ROM, based on expected sales values (with reference to FY 2020 and FY 2021 sales results and considering rough diamond prices recovering to levels before the COVID-19 pandemic) and production size frequency distributions.

**General notes on reporting criteria**

1. Resources are reported inclusive of Reserves.
2. Tonnes are reported as millions; contained diamonds are reported per million carats (“Mcts”).
3. Tonnes are metric tonnes and are rounded to the nearest 100,000 tonnes; carats are rounded to the nearest 10,000 carats; rounding off of numbers may result in minor computational discrepancies.
4. Resource tonnages and grades are reported exclusive of external waste, unless where otherwise stated.
5. Reserve tonnages and grades are reported inclusive of external waste, mining and geological losses and plant modifying factors; reserve carats will generally be less than resource carats on conversion and this has been taken into account in the applicable statements.
6. Reserves and Resources have been reported in accordance with the South African code for the reporting of mineral reserves and mineral resources (SAMREC 2016).
7. The Petra 2021 annual Resource Statement as shown above is based on information compiled internally within the Group under the guidance and supervision of Andrew Rogers, Pr. Sci. Nat. (reg. No.120664). Andrew Rogers has 21 years' relevant experience in the diamond industry and is a full-time employee of Petra.
8. All Reserves and Resources have been independently reviewed and verified by John Kilham, Pr. Sci. Nat. (reg. No. 400018/07), a competent person with 41 years' relevant experience in the diamond mining industry, who was appointed as an independent consultant by the Company for this purpose.