# THE ADARO GROUP'S COAL RESOURCES AND RESERVES
# SUMBER DAYA DAN CADANGAN BATU BARA GRUP ADARO

**Adaro Group's (Equity Adjusted) Consolidated Coal Resources**
**Konsolidasi Sumber Daya Batu Bara Grup Adaro (Disesuaikan per Ekuitas)**

| Group and Operating Companies<br>Grup dan perusahaan | Resources estimated as at Dec. 31, 20201<br>Perkiraan Sumber Daya per 31 Des 2020 | | | |
|---|---|---|---|---|
| | Total Resources<br>Total Sumber Daya<br>(Mt) | Measured<br>Terukur<br>(Mt) | Indicated<br>Tertunjuk<br>(Mt) | Inferred<br>Tereka<br>(Mt) |
| Adaro total sub-bituminous Coal Resources:<br>PT Adaro Indonesia, PT Semesta Centramas, PT Paramitha Cipta Sarana, PT Laskar Semesta Alam, PT Mustika Indah Permai | 3,356.8 | 2,593.1 | 546.3 | 217.3 |
| Adaro total bituminous Coal Resources:<br>PT Maruwai Coal | 8.7 | 8.4 | 0.3 | 0.0 |
| Adaro total metallurgical Coal Resources: Adaro MetCoal, Kestrel Coal Mine, Australia | 1007,1 | 144,3 | 439,8 | 423,0 |
| Adaro total low-rank Coal Resources:<br>PT Bhakti Energi Persada | 333.8 | 201.4 | 125.2 | 7.2 |

**Adaro Group's (Equity Adjusted) Consolidated Coal Reserved**
**Konsolidasi Cadangan Batu Bara Grup Adaro (Disesuaikan per Ekuitas)**

| Group and Operating Companies<br>Grup dan perusahaan | Reserves estimated as at Dec. 31, 2020[1]<br>Perkiraan Cadangan per 31 Des 2020 | | |
|---|---|---|---|
| | Total Reserves<br>Total Cadangan<br>(Mt) | Proved<br>Terbukti<br>(Mt) | Probable<br>Terkira<br>(Mt) |
| Adaro total sub-bituminous Coal Reserves:<br>PT Adaro Indonesia, PT Semesta Centramas, PT Paramitha Cipta Sarana, PT Laskar Semesta Alam, PT Mustika Indah Permai | 935.0 | 892.8 | 42.3 |
| Adaro total bituminous Coal Reserves:<br>PT Lahai Coal, PT Maruwai Coal | 8.1 | 7.9 | 0.2 |
| Adaro total metallurgical Coal Reserves:<br>PT Lahai Coal, PT Maruwai Coal, Kestrel Coal Resources, Australia | 139,9 | 87,5 | 52,4 |

1) Tonnage has been rounded, hence small differences may occur in the totals.

| | Resources estimated as at Dec. 31, 2019[1]<br>Perkiraan Sumber Daya per 31 Des 2019 | | | |
|---|---|---|---|---|
| | Total Resources<br>Total Sumber Daya<br>(Mt) | Measured<br>Terukur<br>(Mt) | Indicated<br>Tertunjuk<br>(Mt) | Inferred<br>Tereka<br>(Mt) |
| | 3,088.0 | 2,437.0 | 466.0 | 185.0 |
| | 9.0 | 8.7 | 0.3 | 0.0 |
| | 1,024.0 | 133.0 | 441.0 | 449.0 |
| | 334.0 | 201.0 | 125.0 | 7.0 |

| | Reserves estimated as at Dec. 31, 2019[1]<br>Perkiraan Cadangan per 31 Des 2019 | | |
|---|---|---|---|
| | Total Reserves<br>Total Cadangan<br>(Mt) | Proved<br>Terbukti<br>(Mt) | Probable<br>Terkira<br>(Mt) |
| | 988.0 | 872.0 | 116.0 |
| | 7.7 | 7.6 | 0.2 |
| | 133.2 | 77.8 | 55.4 |

**Adaro Group's Coal Resources | Sumber Daya Batu Bara Grup Adaro**
**Reported according to JORC Code 2012 Edition | Dilaporkan sesuai Kode JORC Edisi 2012**

| Operating Company Project Perusahaan | Locality Lokasi | Mining method Metode penambangan | Adaro ownership equity Kepemilikan Saham Grup Adaro (%) | Coal Resources as estimated at Dec. 31, 2020 \| Perkiraan Su | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Total Resources Total Sumber Daya (Mt) | Measured Terukur (Mt) | Indicated Tertunjuk (Mt) | Inferred Tereka (Mt) | Moisture Kelembaban % adb | Ash Abu % adb |
| PT Adaro Indonesia[2] | North Tutupan | OC | 88.5% | 1,011.0 | 803.1 | 152.3 | 55.6 | 20.6 | 2.3 |
| | South Tutupan | OC | | 699.8 | 544.7 | 117.8 | 37.3 | 20.0 | 2.7 |
| | North Paringin | OC | | 213.7 | 172.1 | 30.6 | 11.0 | 19.8 | 3.4 |
| | South Paringin | OC | | 45.2 | 14.3 | 24.5 | 6.3 | 20.0 | 3.3 |
| | Wara I | OC | | 1,043.1 | 715.5 | 205.3 | 122.3 | 24.0 | 3.7 |
| | Wara II | OC | | 314.8 | 264.2 | 44.7 | 6.0 | 19.3 | 4.0 |
| Total Adaro Indonesia | | OC | | 3,327.6 | 2,514.0 | 575.2 | 238.4 | 21.3 | 3.1 |
| IUPs at Balangan[3] | PT Semesta Centramas | OC | 75% | 70.4 | 62.4 | 7.0 | 1.0 | 32.8 | 2.5 |
| | PT Paramitha Cipta Sarana | OC | | 31.0 | 20.0 | 6.0 | 4.0 | 24.9 | 6.9 |
| | PT Laskar Semesta Alam | OC | | 141.9 | 111.5 | 27.0 | 3.4 | 30.3 | 2.2 |
| Total Balangan Coal | | OC | 75% | 243.3 | 193.9 | 40.0 | 8.4 | 30.3 | 2.9 |
| PT Bhakti Energi Persada4 | PT Bumi Kaliman Sejahtera | OC | 10.2% | 555.0 | 243.0 | 288.0 | 24.0 | 14.4 | 3.4 |
| | PT Bumi Murau Coal | OC | | 1,110.0 | 665.0 | 431.0 | 13.0 | 14.3 | 3.9 |
| | PT Birawa Pandu Selaras | OC | | 23.0 | 16.0 | 6.0 | 1.0 | 13.9 | 3.9 |
| | PT Khazana Bumi Kaliman | OC | | 177.0 | 128.0 | 44.0 | 6.0 | 13.4 | 4.3 |
| | PT Persada Multi Bara | OC | | 949.0 | 546.0 | 380.0 | 23.0 | 14.5 | 3.4 |
| | PT Telen Eco Coal | OC | | 454.0 | 373.0 | 78.0 | 3.0 | 14.9 | 3.9 |
| | PT Tri Panuntun Persada | OC | | 4.3 | 3.3 | 0.7 | 0.2 | 13.9 | 6.7 |
| Total Bhakti Energi Persada | | OC | 10.2% | 3,272.3 | 1,974.3 | 1,227.7 | 70.2 | 14.4 | 3.7 |
| Adaro MetCoal | PT Ratah Coal | OC | 100% | No resources estimated in 2020 \| Belum ada per | | | | | |
| | PT Juloi Coal Bumbun (metallurgical/thermal) [5] | OC | | 110.0 | 23.5 | 34.2 | 52.3 | 1.5 | 11.3 |
| | PT Juloi Coal Juloi Northwest (metallurgical/thermal) [5] | OC | | 625.1 | - | 268.4 | 356.7 | 1.2 | 11.7 |
| | PT Kalteng Coal Luon (metallurgical/thermal) [5] | OC | | 12.8 | 5.9 | 3.4 | 3.5 | 1.6 | 9.7 |
| | PT Lahai Coal Haju (metallurgical/thermal) [6] | OC | | 4.4 | 3.9 | 0.5 | 0.1 | 2.8 | 8.7 |
| | PT Maruwai Coal - Lampunut (metallurgical) [7] | OC | | 95.8 | 89.5 | 6.2 | 0.1 | 1.3 | 4.0 |
| | PT Maruwai Coal - Lampunut (thermal) [7] | OC | | 8.7 | 8.4 | 0.3 | 0.0 | 2.0 | 10.5 |
| | PT Pari Coal | OC | | No resources estimated in 2020 \| Belum ada per | | | | | |
| | PT Sumber Barito Coal (metallurgical/thermal) [5] | OC | | 7.0 | 0.7 | 4.9 | 1.4 | 1.9 | 10.4 |
| PT Mustika Indah Permai [8] | Lahat | OC | 75% | 306.8 | 297.1 | 9.7 | 0.0 | 20.9 | 6.3 |
| PT Bukit Enim Energi | Muara Enim | OC | 61% | No resources estimated in 2020 \| Belum ada per | | | | | |
| Kestrel Coal Resources [9] | Queensland, Australia | UG | 34,6% | 442.6 | 61.6 | 355.0 | 26.0 | 2.9 | 16.9 |

1. Adaro's coal resources refer to resources generally suited to host open-pit mineable coal reserves unless noted otherwise. Resources are reported according to JORC 2012 Edition, with reference to the Australian Coal Guidelines 2014. Coal qualities are reported on air dried in situ basis. Tonnage have been rounded, hence small differences may occur in the totals.
2. PT Adaro Indonesia's (AI) coal resources were estimated as at Dec. 31, 2020 by AI Strategic Planning Department, Competent Person Indonesia (CPI) is Yansen Palobo, a full time employee of Adaro Indonesia. The decrease in North Paringin and Wara 1 block's attribute total coal resources is due to depletion based on topography end of year 2020. The increase in total of Adaro Indonesia's Coal resources is due to additional coal resources estimates in South Paringin and the updated of application of pit optimisation to define resources economic limit in Tutupan. The Competent Person (CP) was Hani Adi Graha MAusIMM, of PT Adaro Jasabara Indonesia.
3. The coal resources at PCS, SCM and LSA were estimated as at Dec. 31, 2020. The CP was Dwiyoko Trah Urip Taruno MAusIMM, of PT Adaro Jasabara Indonesia. Decrease in SCM and LSA coal resources are due to depletion base on 2020 production. No updated coal resources estimation in PCS during 2020.
4. The CP was Hani Adi Graha MAusIMM, of PT Adaro Jasabara Indonesia, and the coal resources were estimated as at Dec. 31, 2019. No updated coal resources estimation during 2020.
5. The coal resources in PT Juloi Coal, PT Sumber Barito Coal, and PT Kalteng Coal were estimated as at 31 December 2019, no coal resources estimated in 2020. The CP was Hani Adi Graha MAusIMM, of PT Adaro Jasabara Indonesia.

| mber Daya Batu Bara per 31 Des 2020 [1] | | | | Coal Resources as estimated at Dec. 31, 2019 \| Perkiraan Sumber Daya Batu Bara per 31 Des 2019 [1] | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Volatile Matter Zat Terbang % adb | Total Sulphur Total Sulfur % adb | Calorific Value Nilai Kalori Kcal/kg adb | Total Resources Total Sumber Daya (Mt) | Moisture Kelembaban % adb | Ash Abu % adb | Volatile Matter Zat Terbang % adb | Total Sulphur Total Sulfur % adb | Calorific Value Nilai Kalori Kcal/kg adb |
| | 39.9 | 0.10 | 5,286 | 1,435.0 | 20.1 | 2.5 | 39.7 | 0.12 | 5,378 |
| | 39.6 | 0.14 | 5,459 | | | | | | |
| | 47.4 | 0.25 | 5,414 | 219.0 | 19.8 | 3.4 | 38.1 | 0.25 | 5,419 |
| | 37.7 | 0.25 | 5,395 | No resources estimated in 2019 \| Belum ada perkiraan sumber daya di 2019 | | | | | |
| | 37.9 | 0.26 | 4,956 | 1,049.0 | 24.0 | 3.7 | 37.9 | 0.26 | 4,956 |
| | 41.1 | 0.28 | 5,094 | 315.0 | 19.3 | 4.0 | 41.1 | 0.28 | 5,092 |
| | 39.8 | 0.19 | 5,210 | 3,019.0 | 21.4 | 3.1 | 39.1 | 0.20 | 5,204 |
| | 36.7 | 0.09 | 4,764 | 73.2 | 26.2 | 4.3 | 36.1 | 0.09 | 4,670 |
| | 35.2 | 0.09 | 4,558 | 31.0 | 24.9 | 6.9 | 35.2 | 0.09 | 4,558 |
| | 37.6 | 0.09 | 4,925 | 144.7 | 24.7 | 3.6 | 37.0 | 0.10 | 4,839 |
| | 37.0 | 0.09 | 4,832 | 248.9 | 25.2 | 4.2 | 36.5 | 0.10 | 4,754 |
| | 42.5 | 0.14 | 5,444 | 555.0 | 14.4 | 3.4 | 42.5 | 0.14 | 5,444 |
| | 42.3 | 0.14 | 5,486 | 1,110.0 | 14.3 | 3.9 | 42.3 | 0.14 | 5,486 |
| | 42.6 | 0.14 | 5,543 | 23.0 | 13.9 | 3.9 | 42.6 | 0.14 | 5,543 |
| | 42.7 | 0.14 | 5,499 | 177.0 | 13.4 | 4.3 | 42.7 | 0.14 | 5,499 |
| | 42.4 | 0.13 | 5,432 | 949.0 | 14.5 | 3.4 | 42.4 | 0.13 | 5,432 |
| | 42.9 | 0.15 | 5,444 | 454.0 | 14.9 | 3.9 | 42.9 | 0.15 | 5,444 |
| | 42.4 | 0.16 | 5,235 | 4.3 | 13.9 | 6.7 | 42.4 | 0.16 | 5,235 |
| | 42.5 | 0.14 | 5,458 | 3,272.3 | 14.4 | 3.7 | 42.5 | 0.14 | 5,458 |
| kiraan sumber daya di 2020 | | | | No resources estimated in 2019 \| Belum ada perkiraan sumber daya di 2019 | | | | | |
| | 16.9 | 0.98 | - | 110.0 | 1.5 | 11.3 | 16.9 | 0.98 | - |
| | 25.5 | 0.55 | - | 625.1 | 1.2 | 11.7 | 25.5 | 0.55 | - |
| | 18.0 | 0.70 | - | 12.8 | 1.6 | 9.7 | 18.0 | 0.70 | - |
| | 37.9 | 1.35 | - | 11.3 | 3.0 | 5.1 | 39.2 | 1.10 | - |
| | 28.4 | 0.50 | - | 93.0 | 1.5 | 11.3 | 27.0 | 0.51 | - |
| | 27.2 | 0.47 | 7,509 | 9.0 | 2.0 | 10.6 | 27.2 | 0.47 | 7,510 |
| kiraan sumber daya di 2020 | | | | No resources estimated in 2019 \| Belum ada perkiraan sumber daya di 2019 | | | | | |
| | 17.0 | 0.70 | - | 7.0 | 1.9 | 10.2 | 17.0 | 0.68 | - |
| | 37.6 | 0.46 | 5,185 | 308.2 | 20.9 | 6.3 | 37.6 | 0.47 | 5,186 |
| kiraan sumber daya di 2020 | | | | No resources estimated in 2019 \| Belum ada perkiraan sumber daya di 2019 | | | | | |
| | 38.0 | 0.80 | - | 427.9 | 2.7 | 16.9 | 38.0 | 0.80 | - |

6. A significant decrease in PT Lahai Coal resource is due to the use of pit optimisation to define the resources economic limit.
7. The PT Maruwai Coal - Lampunut Coal Resources were estimated as at Dec. 31, 2020. An increase in PT Maruwai Coal metallurgical coal resources is attributable to the coal resource pit update applying a revised river realignment.
8. The resources were estimated in Dec. 31, 2020. The CP was Hani Adi Graha MAusIMM, of PT Adaro Jasabara Indonesia. The decrease in MIP's coal resources is due to depletion base on 2020 production.
9. The Kestrel Coal Resources were estimated as at Oct. 1, 2020. The Kestrel Coal Resources are inclusive of Marketable Coal Reserves. The CP was Christopher Speedy, MAusIMM, MAIG RPGeo, an independent consultant enganged by Kestrel Coal Resources Pty Ltd. Overall increase of resources is atrributable to limit adjusment and addition of indicated resource, that was previously categorised as sterilised ground. The coal qualities are for in-situ coal raw qualities for the GC (German Creek) Seam. Kestrel resource tonnage reported in-situ.

**Adaro Group's Thermal Coal Reserves | Cadangan Batu Bara Termal Grup Adaro**
**Reported according to JORC Code 2012 Edition | Dilaporkan sesuai Kode JORC Edisi 2012**

| Operating Company Project Perusahaan | Locality Lokasi | Mining method Metode penambangan | Adaro ownership equity Kepemilikan Saham Grup Adaro (%) | Coal Res... Total Coal Reserves Total Cadangan Batu Bara (Mt) |
|---|---|---|---|---|
| PT Adaro Indonesia | North Tutupan[4,5] | OC | 88.5% | 395.6 |
| | South Tutupan[4,5] | OC | | 93.4 |
| | North Paringin[4,5] | OC | | 10.1 |
| | South Paringin | OC | | |
| | Wara I[4,5] | OC | | 275.3 |
| | Wara II | OC | | |
| Total Adaro Indonesia | | OC | | 774.3 |
| IUPs at Balangan | PT Semesta Centramas[6,7] | OC | 75% | 42.5 |
| | PT Paramitha Cipta Sarana[6] | OC | | 12.0 |
| | PT Laskar Semesta Alam[6,7] | OC | | 65.8 |
| Total Balangan Coal | | OC | | 120.3 |
| PT Bhakti Energi Persada | Muara Wahau | OC | 10.2% | |
| Adaro MetCoal | PT Pari Coal | OC | 100% | |
| | PT Lahai Coal (Thermal) 8,9 | OC | | 0.2 |
| | PT Maruwai Coal (Thermal) 10 | OC | | 8.0 |
| PT Mustika Indah Permai[11] | Lahat | OC | 75% | 212.7 |
| PT Bukit Enim Energi | Muara Enim | OC | 61% | |

**Adaro Group's Metallurgical Coal Reserves | Cadangan Batu Bara Metalurgi Grup Adaro**

**Reported according to JORC Code 2012 Edition | Dilaporkan sesuai Kode JORC Edisi 2012**

| Operating Company Project \| Perusahaan | Locality Lokasi | Mining method Metode penambangan | Adaro ownership equity Kepemilikan Saham Grup Adaro (%) | Total Coal Reserves Total Cadangan Batu Bara (Mt) |
|---|---|---|---|---|
| Adaro MetCoal | PT Juloi Coal | OC | 100% | |
| | PT Kalteng Coal | OC | | |
| | PT Lahai Coal 8,9 | OC | | 2.4 |
| | PT Maruwai Coal 10 | OC | | 78.6 |
| | PT Ratah Coal | OC | | |
| | PT Sumber Barito Coal | OC | | |
| Kestrel Coal Resources[12] | Queensland, Australia | UG | 34,6% | 170.5 |

1) Only drill hole with geophysically logged and quality analysed were used for reserves classification. Approximate drill hole spacings used to classify reserves are as below:

| Deposit | Proved Coal Reserves | Proved and Probable Coal Reserves |
|---|---|---|
| Adaro Indonesia | 250m to 500m spacing, 95% coal recovery | >500m to 1,000m spacing, 95% coal recovery |
| Balangan Coal | Maximum 250m spacing, 95% coal recovery | Maximum 500m spacing, 95% coal recovery |
| PT Lahai Coal (Metallurgical, Thermal) | Maximum 250m spacing, 85% coal recovery | Maximum 500m spacing, 85% coal recovery |
| PT Maruwai Coal (Metallurgical, Thermal) | Maximum 500m spacing, 85% coal recovery | Maximum 1,000m spacing, 85% coal recovery |
| PT Mustika Indah Permai | Maximum 500m spacing, 95% coal recovery | Maximum 1,000m spacing, 95% coal recovery |

2) Adaro mineable coal qualities are Run of Mine basis. Tonnage have been rounded, hence small differences may occur in the totals.
3) Coal qualities are for a potential product on an air-dried basis.
4) Competent Person Reserves - Rara Nastiti, MAusIMM who is a full time employee of PT Adaro Jasabara Indonesia.
5) Decrease in Adaro Indonesia Coal Reserves is due to updated Life of Mine plans reported in JORC Reserves Statement as at Dec 31, 2019, depleted by 2020 production.
6) Competent Person Reserves - Rara Nastiti, MAusIMM who is a full time employee of PT Adaro Jasabara Indonesia.
7) Decrease in LSA Coal Reserves and increase in SCM Coal Reserves are due to updated Life of Mine plans and updated geology model reported in JORC Reserves Statement Dec 31, 2019, depteled by 2020 production.
8) Competent Person Reserves - Herwin Syahputra, MAusIMM / CPI who is a full time employee of PT Adaro Jasabara Indonesia.
9) Increase in PT Lahai Coal is due to updated Life of Mine pit design applying revised economic parameters.
10) Competent Person Reserves - Herwin Syahputra, MAusIMM / CPI who is a full time employee of PT Adaro Jasabara Indonesia. The increase in PT Maruwai Coal Lampunut coal reserve is due to updated Life of Mine pit design applying revised economic and technical parameters.
11) Competent Person Reserves - Johanes De Brebeuf, MAusIMM / CPI who is a full time employee of PT Mustika Indah Permai. The decrease in MIP coal reserve is due to depletion based on 2020 production.
12) The Kestrel Coal Reserve were estimated as at Oct. 1, 2020. The CP was Geoffrey Watson, MSc, MAusIMM, CP(Min), RPEQ, a full time employee of Kestrel Coal Resources Pty Ltd. Overall increase of coal reserve is atrributable through the addition of the 700 District and additional LW500 panel. Other changes have occured with the mine design, geological information and technical assumtions.

| erves as estimated at Dec. 31, 2020 \| Perkiraan Cadangan Batu Bara per 31 Des 2020 [1, 2] | | | | | | | Coal Reserves as estimated at Dec. 31, 2019 \| Perkiraan Cadangan per 31 Des 2019[1, 2] | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Proved Terbukti (Mt) | Probable Terkira (Mt) | Total Moisture Kelembaban % ar | Ash Abu % ar | Volatile Matter Zat Terbang % ar | Total Sulphur Total Sulfur % ar | Calorific Value Nilai Kalori Kcal/kg ar | Total Coal Reserves Total Cadangan Batu Bara (Mt) | Total Moisture Kelembaban % ar | Ash Abu % ar | Volatile Matter Zat Terbang % ar | Total Sulphur Total Sulfur % ar | Calorific Value Nilai Kalori Kcal/kg ar |
| 377.6 | 18.0 | 27.1 | 1.9 | 36.7 | 0.09 | 4,831 | 524.2 | 27.2 | 2.1 | 36.6 | 0.09 | 4,864 |
| 90.6 | 2.8 | 27.4 | 1.8 | 36.2 | 0.11 | 5,001 | | | | | | |
| 9.6 | 0.6 | 25.4 | 2.3 | 35.8 | 0.18 | 5,148 | 15.7 | 25.7 | 2.3 | 35.6 | 0.18 | 5,121 |
| No reserves estimated in 2020 \| Belum ada perkiraan cadangan di 2020 | | | | | | | No reserves estimated in 2019 \| Belum ada perkiraan cadangan di 2019 | | | | | |
| 261.5 | 13.8 | 39.0 | 3.7 | 30.6 | 0.21 | 3,987 | 281.2 | 38.9 | 3.4 | 30.9 | 0.21 | 4,025 |
| No reserves estimated in 2020 \| Belum ada perkiraan cadangan di 2020 | | | | | | | No reserves estimated in 2019 \| Belum ada perkiraan cadangan di 2019 | | | | | |
| 739.2 | 35.1 | 31.4 | 2.5 | 34.4 | 0.13 | 4,573 | 821.1 | 31.2 | 2.6 | 34.6 | 0.13 | 4,581 |
| 40.8 | 1.8 | 31.7 | 3.3 | 33.8 | 0.08 | 4,359 | 39.0 | 31.6 | 2.1 | 34.1 | 0.08 | 4,395 |
| 9.0 | 3.0 | 31.7 | 1.8 | 33.9 | 0.07 | 4,420 | 12.0 | 31.7 | 1.8 | 33.9 | 0.07 | 4,420 |
| 60.7 | 5.1 | 30.0 | 3.1 | 34.8 | 0.09 | 4,508 | 84.0 | 31.6 | 1.7 | 35.2 | 0.08 | 4,571 |
| 110.4 | 9.9 | 30.8 | 3.1 | 34.4 | 0.08 | 4,446 | 135.0 | 31.6 | 1.8 | 34.8 | 0.08 | 4,507 |
| No reserves estimated in 2020 \| Belum ada perkiraan cadangan di 2020 | | | | | | | No reserves estimated in 2019 \| Belum ada perkiraan cadangan di 2019 | | | | | |
| No reserves estimated in 2020 \| Belum ada perkiraan cadangan di 2020 | | | | | | | No reserves estimated in 2019 \| Belum ada perkiraan cadangan di 2019 | | | | | |
| 0.2 | 0.0 | 9.0 | 9.3 | 33.1 | 1.54 | 5,777 | 0.1 | 6.1 | 5.3 | 36.5 | 0.97 | 6,042 |
| 7.8 | 0.2 | 10.5 | 14.3 | 23.5 | 0.37 | 6,251 | 7.6 | 10.5 | 14.3 | 23.5 | 0.36 | 6,251 |
| 207.7 | 5.0 | 34.1 | 5.2 | 31.2 | 0.47 | 4,269 | 214.0 | 34.1 | 5.2 | 31.2 | 0.47 | 4,269 |
| No reserves estimated in 2020 \| Belum ada perkiraan cadangan di 2020 | | | | | | | No reserves estimated in 2019 \| Belum ada perkiraan cadangan di 2019 | | | | | |

| Estimated Reserves as at Dec. 31, 2020 \| Perkiraan Cadangan per 31 Des 2020[1, 2, 3] | | | | | | Estimated Reserves as at Dec. 31, 2019 \| Perkiraan Cadangan per 31 Des 2019[1, 2, 3] | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Proved Terbukti (Mt) | Probable Terkira (Mt) | Moisture Kelembaban % adb | Ash Abu % adb | Volatile Matter Zat Terbang % adb | Total Sulphur Total Sulfur % adb | Total Coal Reserves Total Cadangan Batu Bara (Mt) | Moisture Kelembaban % adb | Ash Abu % adb | Volatile Matter Zat Terbang % adb | Total Sulphur Total Sulfur % adb |
| No reserves estimated in 2020 \| Belum ada perkiraan cadangan di 2020 | | | | | | No reserves estimated in 2019 \| Belum ada perkiraan cadangan di 2019 | | | | |
| No reserves estimated in 2020 \| Belum ada perkiraan cadangan di 2020 | | | | | | No reserves estimated in 2019 \| Belum ada perkiraan cadangan di 2019 | | | | |
| 2.3 | 0.0 | 2.8 | 7.0 | 35.7 | 1.03 | 1.6 | 2.8 | 5.8 | 37.9 | 1.10 |
| 73.4 | 5.2 | 1.3 | 4.0 | 28.4 | 0.50 | 76.1 | 1.3 | 4.0 | 28.4 | 0.50 |
| No reserves estimated in 2020 \| Belum ada perkiraan cadangan di 2020 | | | | | | No reserves estimated in 2019 \| Belum ada perkiraan cadangan di 2019 | | | | |
| No reserves estimated in 2020 \| Belum ada perkiraan cadangan di 2020 | | | | | | No reserves estimated in 2019 \| Belum ada perkiraan cadangan di 2019 | | | | |
| 34.2 | 136.3 | 2.8 | 6.5 | 38.0 | 0.60 | 144.6 | 2.1 | 6.5 | 34.0 | 0.60 |