



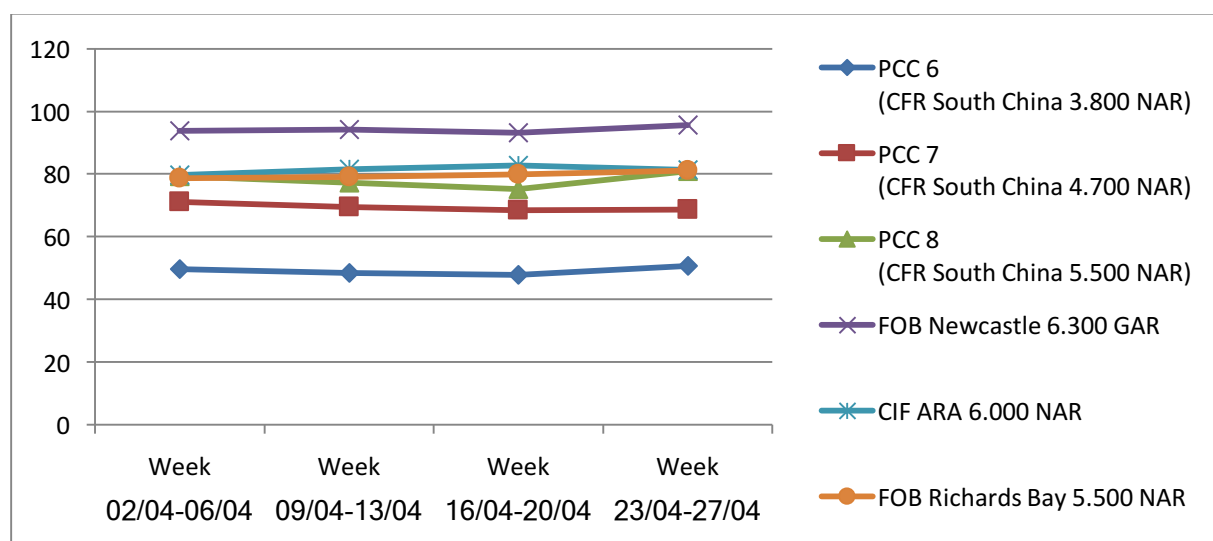
**PETROVIETNAM OIL & GAS GROUP**  
**PETROVIETNAM POWER CORPORATION**  
**MONTHLY NEWS – APRIL**  
 (From 01/04 – 30/04/2018)

## I. COAL MARKET ANALYSIS

### 1. INTERNATIONAL COAL PRICE ASSESSMENTS

*Unit: USD/ton*

Price index	Week 02/04-06/04	Week 09/04-13/04	Week 16/04-20/04	Week 23/04-27/04
<b>PCC 6</b> <i>(CFR South China 3,800 NAR)</i>	49.73	48.40	47.82	50.75
<b>PCC 7</b> <i>(CFR South China 4,700 NAR)</i>	71.18	69.50	68.46	68.77
<b>PCC 8</b> <i>(CFR South China 5,500 NAR)</i>	79.25	77.33	75.16	80.83
<b>FOB Newcastle 6,300 GAR</b>	93.69	94.22	93.16	95.53
<b>CIF ARA 6,000 NAR</b>	79.61	81.49	82.75	81.28
<b>FOB Richards Bay 6,000 NAR</b>	78.66	78.99	79.89	81.15
<b>NEWC</b> <i>(FOB Newcastle 6,000 NAR)</i>	90.79	92.18	93.78	102.3



*Chart 1: Average coal price April (2018)*

*(Source: Platts)*

### 2. INTERNATIONAL SPOT DRY BULK FREIGHT ASSESSMENTS

Unit: USD/ton

Month – April	03/04	09/04	13/04	17/04	20/04	24/04	30/04	
<b>Capesize (150,000 tons)</b>								
1	Australia – China	6.60	6.50	7.75	7.75	8.40	9.15	8.50
2	Queensland – Japan	7.60	7.60	9.00	9.00	9.75	10.70	9.95
3	New South Wales – South Korea	8.15	8.15	9.55	9.55	10.30	11.25	10.50
<b>Panamax (70,000 tons)</b>								
1	Richards Bay - India West	13.65	12.80	13.30	13.40	12.90	13.20	13.00
2	Kalimantan - India West	9.10	8.50	8.70	8.60	8.50	8.65	9.00
3	Richards Bay - India East	13.85	13.00	13.50	13.60	13.10	13.40	13.20
4	Kalimantan - India East	7.65	7.05	7.35	7.25	7.10	7.25	7.60
5	Australia - China	12.15	11.20	11.50	11.75	11.20	11.50	12.10
6	Australia - India	13.75	12.80	13.00	13.25	12.40	12.70	13.75

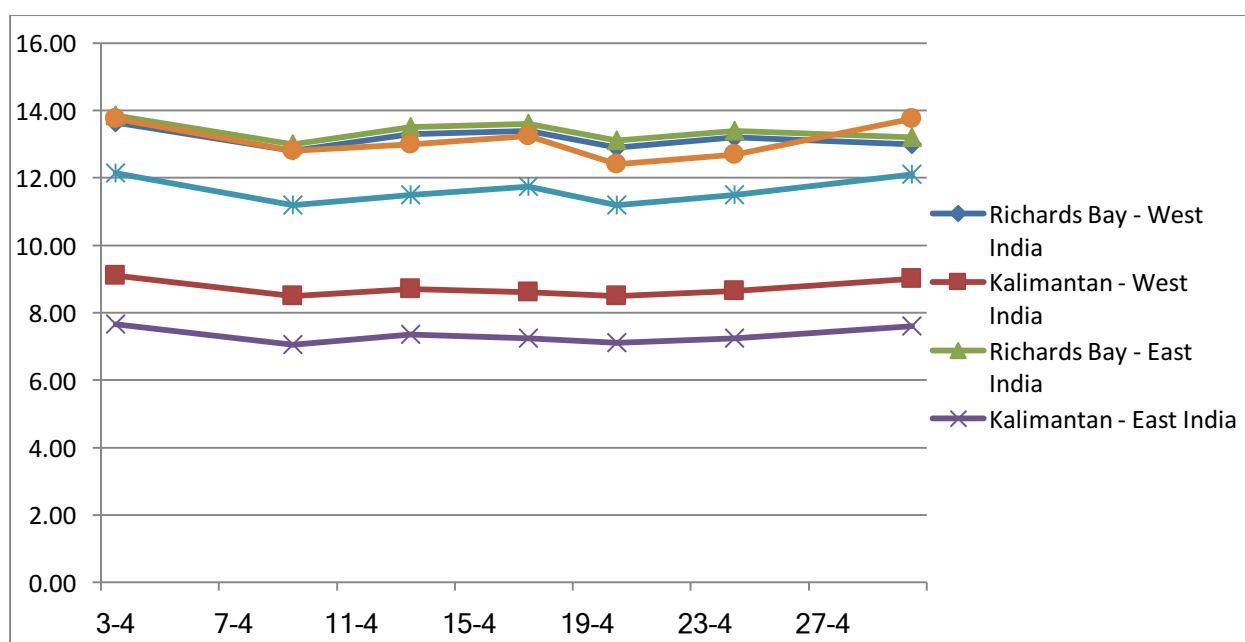


Chart 2: International spot dry bulk freight in April

(Source: Platts Coal Trader International)

## II. NEWS

### South Korea April thermal coal imports at seven-month high

South Korea imported 10.38 million mt of thermal coal in April, up 16% on month and 21% on year, the highest monthly total since September on the back of surging Indonesian and Russian imports, customs data showed Tuesday.

Origins	Volume (million ton)	% on month	% on year
Indonesia	3,599,231	31	17
Australia	2,323,328	-5	-10

Russia	2,010,790	20	42
South Africa	990,762	-4	71
Other	1,452,266	46	59
Total	10,376,377	16	21

*(Source: Customs)*

Bituminous coal accounted for 91% of coal imports, or 9.52 million mt, with sub bituminous representing the rest. Indonesia was the main source of coal for the ninth straight month with 5.6 million mt, up 31% on month and 17% from the year ago month. This was the largest monthly total since January. Imports from Russia rose 20% on month to reach 2.01 million mt. This is up 42% on year, and the highest monthly total for Russian coal since S&P Global Platts began collecting the data in 2012. Imports from Australia were 2.32 million mt in April, a drop of 5% on month and 10% on year. Imports from South Africa were 990,762 mt, down 4% from the previous month but up 71% from the year ago month. Colombian coal accounted for 466,912 mt of imports, up 51% on month, and Canadian coal imports were 435,801 mt, up 11% on month. Imports from the US were 217,732 mt, up 60% on month.

**Thermal coal derivatives total 69.2 million mt in April, down 12.6%:**

The volume of thermal coal derivatives traded in April totaled 69.2 million mt, down 0.6% month on month and down 12.6% year on year, according to data released Friday by the London Energy Brokers Association. Financial trading volumes sagged to four-month lows, with CIF ARA 6,000 kcal/kg NAR Cal-19 prices assessed at an average \$81.30/mt during the month, up from \$75.90/mt in March and up from \$66.19/mt in April 2017.

On a year-to-date basis, cleared volumes have totaled 295.4 million mt and on an annualized pace total 886 million mt. By comparison, cleared volumes totaled 1.1 billion mt in 2017 and 2.7 billion mt in 2016. The volume of Europe-delivered CIF ARA derivative contracts totaled 51.7 million mt during the month, down 2% from March and down 7% year on year. South African Richards Bay thermal coal volumes totaled 6.5 million mt, roughly flat from March, but down 12% year on year. Australian Newcastle futures totaled 11.2 million mt, up 7% from March but down 31% from the year-ago month.

**Ukraine April coal output up 5.8% on year at 2.865 mil mt**

Ukraine's coal extraction in April rose 5.8% year on year to 2.865 million mt. In the first four months of the year Ukraine produced 11.236 million mt of coal, down 14% year on year, it said. Thermal coal production in January-April fell 15.6% to 9.077 million mt, while coking coal output fell 6.7% to 2.159 million mt. In the four-month period coal output in government-controlled parts of the Donetsk region fell 12.1% to 3.941 million mt, while production in the Luhansk region dropped 86.1% to 199,600 mt. Coal output in the Dnipropetrovsk region fell 1.6% to 6.508 million mt, while coal extraction in the Lviv region rose 11.1% to 547,900 mt and production in the Volyn region rose 2.3% to 40,300 mt.

Ukraine used to be a major producer of anthracite coal, which has a higher calorific content than other types of coal, but all anthracite mines are in areas of Donetsk and Luhansk controlled by pro-Russian separatists in since June 2014. The country began experiencing shortages of anthracite after the separatists shut down trade with the mainland in February 2017. Ukraine was forced to start importing anthracite to replenish stocks. In January-April Ukraine increased coal imports by 53.9% year on year to 7.43 million mt to offset the decline in domestic production. Ukraine produced 34.92 million mt of coal in 2017, down 14.5% from 2016.

*(Source: Platts)*