



PETROVIETNAM POWER CORPORATION
PETROVIETNAM POWER COAL IMPORT AND SUPPLY COMPANY
DAILY NEWS

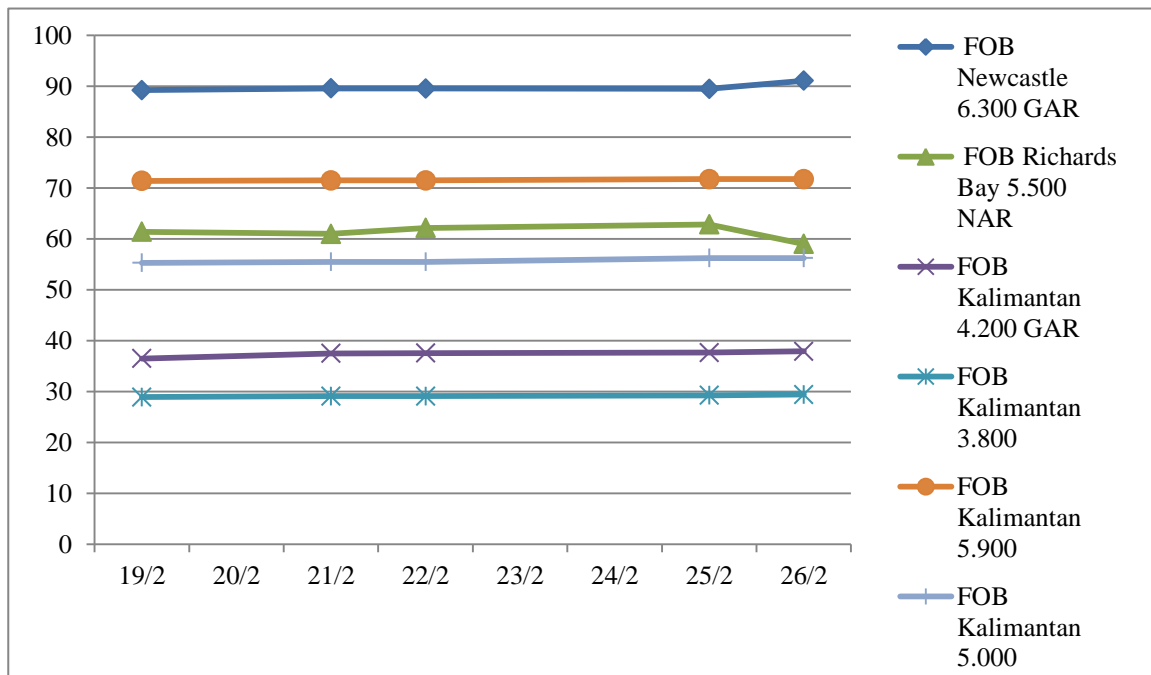
Date 13/3/2019

INTERNATIONAL COAL PRICE ASSESSMENTS

Daily prompt physical thermal coal assessments	Window 7 – 45 day	+/-	Window 90 - day	+/-
FOB Newcastle 6,300 GAR	91.10	-0.65	N/A	N/A
FOB Richards Bay 5.500 NAR	59.00	-0.15	N/A	N/A
FOB Kalimantan 5.900 GAR	N/A	N/A	71,75	+0.00
FOB Kalimantan 5,000 GAR	N/A	N/A	56,25	+0.00
FOB Kalimantan 4,200 GAR	37.90	+0.25	N/A	N/A
FOB Kalimantan 3.800 GAR	29.40	+0.15	N/A	N/A

China Coal Assessment	USD/tons	+/-	NDT/tons	+/-
PCC6 (CFR South China 3,800 NAR)	44.40	+0.10	296.14	+0.82
PCC7 (CFR South China 4,700 NAR)	62.85	+0.10	419.20	+0.88
PCC8 (CFR South China 5,500 NAR)	67.50	+1.00	450.21	+6.89

DAILY PROMPT PHYSICAL THERMAL COAL ASSESSMENTS IN 2019



(Source: Platts Coal Trader International – Date 26/2/2019)

NEWS

Australia's New Hope clears environmental hurdle at coal project

New Hope Corp Ltd said on Tuesday its New Acland coal mine project has cleared an environmental hurdle in the Australian state of Queensland and can now seek further permits to begin operations. The permit issued by the Queensland Department of Environment and Science sets a number of tough conditions for the stage 3 project, the company said in a statement. New Hope said it now needed mining leases and a related water license from the government before it could begin operations. With coal reserves at its Jeebropilly mine expected to run out by late 2019, New Hope has shifted its focus to the larger reserves at its New Acland mine, according to its 2018 annual report. The miner said it expects the New Acland project to generate about A\$7 billion (\$4.95 billion) in economic activity over the expected 14-year life of the project.

China expanded efforts to switch from coal heating in 2018

China expanded its coal-to-gas and coal-to-electricity projects from 12 cities in 2017 to 35 cities last year, China's environment minister Li Ganjie said on Monday, as the world's second-largest economy stepped up its fight against smog, reported Reuters. China used to burn around 400 million tons of coal each winter, but the country's war on pollution has prioritized exchanging coal for greener alternatives. Speaking at a press conference on the sidelines of China's annual parliamentary meeting, Li warned that despite the strides made in 2018, China's war on smog was getting harder. "In reality the pressures are huge and it isn't easy to be optimistic about the trends," he said. "The things that could easily be done have already mostly been done, and the things that need to be done afterwards are much harder."

Top coal-fired power generating country

Coal continues to be a major source of electricity generation in many countries in the world, despite a rapid rise in renewable energy in recent decades. According to the International Energy Agency, coal-fired power generation continues to be the largest source of the world's electricity production, accounting for about 37% share. According to BP Statistical Review of World Energy 2018 report, the total coal power generation capacity of the world was 9,723TWh in 2017. Overall, the world's electricity production stood at 25,551TWh. Here is the list of countries having biggest coal-fired power generating capacities:

China

Producing 4,360.9TWh of power from coal-fired facilities, China occupies the first place in the list. The country is home to some of the biggest coal-fired power plants in the world. China's major coal-fired power plants include the 6.7GW Datang Tuoketuo power station, the 5.1GW Waigaoqiao Power Station and the 5GW Guodian Beilun Power Station. Located in Inner Mongolia Autonomous Region, China, the Datang Tuoketuo power station is considered as the world's biggest coal power plant. Besides, China hosts some of the world's biggest coal mines. Haerwusu and Hei Dai coal mines are estimated to contain combined recoverable coal reserves of over 3.2 billion tonnes.

US

The US continues to generate a significant amount of its electricity from coal. In 2017, the North American country produced 1,314TWh of electricity from coal-fired power plants. Coal power facilities contribute to about 30% of the country's total electricity production. According to the U.S. Energy Information Administration, coal is the second largest source of power production in the US, after natural gas. Major coal power plants in the country include the 3.6GW Robert W Scherer Power Plant, 3.3GW Monroe Power Plant, and the 3.37GW Plant Bowen. The country is also home to North Antelope Rochelle, the world's biggest coal mine. The mine has nearly 1.9 billion tons of provable and probable reserves.

India

With an electricity production of 1,141.4TWh in 2017 from coal-fired power plants, India stands at third spot in the list. Despite its recent push to increase its renewable energy capacity, the country continues to generate a more than 60% of its total electricity from coal. Some of the major coal power plants in the country include the 4.7GW Vindhyachal Thermal Power Station, the 4.6GW Mundra Thermal Power Station, the 4GW Mundra Ultra Mega Power Plant and the 3GW Talcher Super Thermal Power Station.

Japan

With production of 342.5TWh in 2017, Japan stand as fourth spot in the list of top coal-fired power generating countries. In fiscal year 2016, coal-fired plants accounted for 32.3% of the country's total electricity production. As of March 2018, Japan had nearly 90 coal power plants, according to a report by The Japan Times. The domestic companies were also planning to add 30 new coal power plants. Major coal power plants in the country include the 4.1GW Hekinan coal power plant, the 1.8GW Maizuru power station, the 1.6GW Tomato-atsuma power station and the 1.4GW Reihoku power station.

South Korea

As home to the some of the world's biggest coal power plants, South Korea is one of the leading producers of coal-fired power. The country generated 264.4TWh of electricity from coal power plants in 2017. The 6.1GW Taean power station, which is considered as the second world's biggest coal power plants, is located in Chungcheongnam-do, South Korea. The Taean power station supplies electricity primarily to the South Korean capital and surrounding regions. Other major coal power plants in the country include the 6GW Dangjin Thermal Power Plant and the 5.08GW Yeongheung power station. The Dangjin Thermal Power Plant initially consisted of eight 500MW units. In 2016, its capacity was expanded with the addition of two 1,020MW units.

(Source: www.spglobal.com)

INTERNATIONAL SPOT DRY BULK FREIGHT ASSESSMENTS

Size	From	To	Freight rates	Change
Capesize (150.000 tons)	Australia	China	6.10	+0.00
	Queensland	Japan	6.70	+0.00
	New South Wales	South Korea	7.55	+0.00
Panamax (70.000 tons)	Richards Bay	India West	10.70	+0.00
	Kalimantan	India West	8.00	+0.30
	Richards Bay	India East	10.75	+0.00
	Kalimantan	India East	6.70	+0.30
	Australia	China	10.40	+0.25
	Australia	India	11.50	+0.25

(Source: *Platts Coal Trader International* – Date 26/2/2019)