

# ASX Announcement

## Monthly NdPr Price Update

6 April 2018

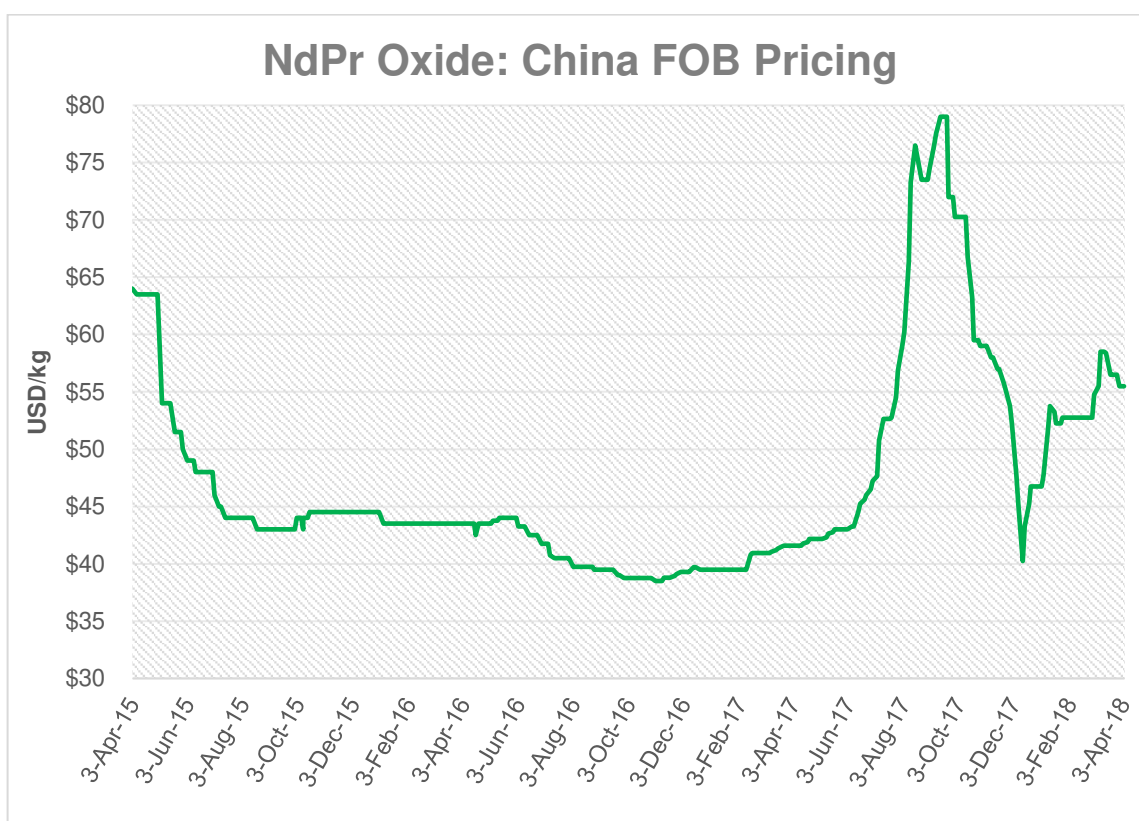


**Arafura Resources Limited (ASX: ARU) (Arafura)** is pleased to provide an update on neodymium-praseodymium (NdPr) rare earth prices.

The latest pricing information has NdPr oxide FOB China up by US\$0.75/kg on last month's price to US\$55.50/kg. During March the price traded in the range US\$54.75 to US\$58.50. Pricing during the month was impacted by tightening supply as trading activity increased following the Lunar New Year holiday. There were also reports of sellers being unwilling to sell at lower prices due to upward operating cost pressures. This information was supported by China Northern Rare Earth Group (China's largest producer) raising its listed prices in late February.

NdPr is the main product Arafura anticipates producing from its 100%-owned Nolans project and the NdPr price is the key driver of Nolans project economics.

Figure 1: NdPr Oxide – China FOB Pricing<sup>1</sup>



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## Monthly NdPr Price Update

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### About NdPr

NdPr is in short supply globally and is the critical raw material in the manufacture of ultra-strong, high-performance NdFeB permanent magnets, which are used extensively in the automotive industry for electric components such as seats, mirrors, wipers, steering and braking.

Importantly, the compound has also emerged as a key enabler of hybrid and electric vehicles as high-performance magnets play a key role in electric traction motors. While traditional petrol or diesel combustion engine motor vehicles each use approximately 0.7 kg of NdPr oxide, electric or hybrid vehicles require an additional 1 kg.

The increasing shift towards hybrid and electric drivetrain technologies among the world's leading automotive manufacturers is expected to continue to positively influence market fundamentals for NdPr.

### About Arafura's Nolans NdPr Project<sup>2</sup>

Arafura's Nolans NdPr project, located 135 kilometres north-north-west of Alice Springs in Australia's Northern Territory, is supported by Mineral Resources of 56 million tonnes grading 2.6% total rare earth oxide (TREO) that contain approximately 382,000 tonnes of NdPr oxide. The project is forecast to produce 14,000 tonnes of TREO per annum, including 3,600 tonnes of NdPr oxide per annum, over a 30+ year mine life.

The Company is undertaking a comprehensive program of flowsheet piloting, has commenced a Definitive Feasibility Study, and awaits final environmental approval for the project from the Australian Government.

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<sup>1</sup> Market price information sourced from independent price reporting agency.

<sup>2</sup> Refer Arafura Resources ASX release 7 June 2017 for additional and qualifying information on the Mineral Resources that underpin the production target and provides the material assumptions on which the production target is based. Arafura confirms that all material assumptions underpinning the forecast financial information derived from its 14,000 tpa TREO production target and the production target itself, continue to apply and have not materially changed since the 7 June 2017 release.

## Monthly NdPr Price Update

Table 1: Mineral Resources for the Nolans Bore deposit as at 7 June 2017 using a 1% TREO Cut-Off Grade.

Resources	Tonnes (Millions)	Rare Earths TREO %	Phosphate P <sub>2</sub> O <sub>5</sub> %	NdPr Enrichment %
Measured	4.9	3.2	13	26.1
Indicated	30	2.7	12	26.4
Inferred	21	2.3	10	26.5
<b>Total</b>	<b>56</b>	<b>2.6</b>	<b>11</b>	<b>26.4</b>

Note: Numbers may not compute due to rounding. "NdPr Enrichment" is the proportion of TREO comprising Nd<sub>2</sub>O<sub>3</sub> and Pr<sub>6</sub>O<sub>11</sub>.

### Competent Persons Statement

The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by Mr Kelvin Hussey, a Competent Person who is a Member of the Australian Institute of Geoscientists. Mr Hussey is a full-time employee of Arafura Resources Limited. Mr Hussey has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources, and Ore Reserves. Mr Hussey consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.