CABARAN PEMBEKALAN BAHAN API ARANG BATU KEPADA SEKTOR PENJANAAN

19 DECEMBER 2013



Incorporated in September 1998 as a wholly owned subsidiary of TNB

Tariff regulated by the Government

Nominated coal and fuel supplier to TNB Generation and IPPs having PPA with TNB

TNBF as an agent to TNB to procure fuel for the power generation as in the tri-party contractual structure...



- Quality Assurance
- Least Possible Cost of Delivered Fuel

Close to 40mtpa by 2020...





* Yet to be awarded

On a global front, TNBF has some arbitrage position being located in the middle of Atlantic and Pacific market...



The two markets have converged in the recent years, giving more advantage to TNBF...





Asia is still the key dominant buyer...

Coal Demand 2013

Total: 959.4 million mt



41.97 147.43 Indonesia 71.5 Australia Europe 43.06 74.13 Russia Mediterranean 35.60 415.85 Colombia Americas 100.68 South Africa Asia US Others 733.30 191.84

McCloskey forecasts undersupply of 44.1 million mt coal in 2013. However, TNBF foresees oversupply of coal due to weak demand from China and India. Lower domestic price and high stock pile has discouraged China from buying coal. Weaker Rupees also prevents Indian to import coal amid domestic coal crisis. Producers had to increase their production to broaden their profit margin due to depreciation of coal price.	
Asian buyers dominate three quarters of the global coal production.	Indonesia remains as the largest world coal producer followed by Australia, Russia, Colombia and South Africa.

Coal Supply 2013 Total : 915.3 million mt

Coal is indeed still a competitive alternative...





TNBF mitigates price volatility by having long term and spot contracts...





Term Spot

Contract terms are also staggered within a year and well diversified for each of the power stations...



1,600,000 1,400,000 1,200,000 1,000,000 800,000 600,000 400,000 200,000 0 SA5 9opu Indo20 Aus2 Aus3 SA4 Indo9 ndo10 ndo12 Indo13 Indo14 Indo15 Indo16 Rus18 ndo19 Aus1 ndo7 ndo8 ndo11 SA17 Indo21 Indo22 Indo23 ndo24 Indo25 Manjung **Tanjung Bin** Jimah Kapar

Long Term Contracts for Each Power Station

New suppliers are contracted on CFR basis to mitigate the risk of non performance...



Freight Arrangement

TNB

■ Term ■ Spot ■ CFR

TNBF diversifies the source of coals to avoid heavy dependencies on certain country...



Distribution of Coal Sources



As in other business, TNBF too faces challenges in various aspects...



TNBF's mitigation plan in overcoming the challenges...



	N
1. Customer Satisfaction	Meetings, port / mine visits
2. Stakeholders Management	Regular updates / reports
3. Foreign govt intervention	Customer events, training, trial burn
Price volatility & supply reliability	 Annual price negotiations with suppliers Pricing strategies – indexed linked vs fixed Contracting strategies – long term vs SPOT Coal sources diversification
1. Non-performance of Malaysian companies	 Breach of contract – litigation / arbitration / black listing
2. Malaysian companies not owning vessels	Implementation of TNBF CPPP
 Declining coal qualities Inclement weather & port congestion 	 Regular updates from suppliers Prequalification Advise EC – future coal fired generation
	Coal sources diversification



THANK YOU