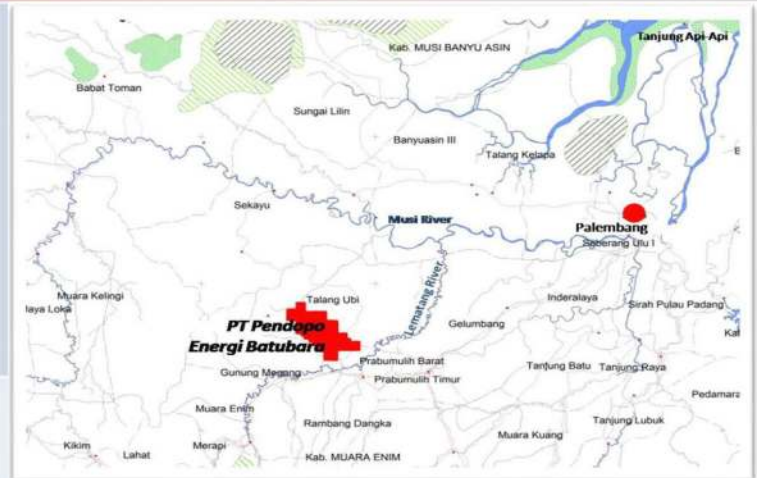




Welcome to Pendopo



Coal Specifications

	Typical
TOTAL MOISTURE, % as received basis	56.0
PROXIMATE ANALYSIS, % air dried basis	
Moisture	18.0
Ash	38.5
Volatile Matter	36.0
Fixed Carbon	35.5
CALORIFIC VALUE, kcal/kg	
Gross air dried	4660
Gross as received	2500
HGI	80
ULTIMATE ANALYSIS, % dry ash free basis	
Carbon	70.0
Hydrogen	5.86
Nitrogen	0.87
Sulfur	0.34
Oxygen	22.91
SULFUR, % air dried basis	0.25
ASH FUSION TEMPERATURE, °C	
Initial Deformation	1180
Spherical	1210
Hemispherical	1240
Flow	1270

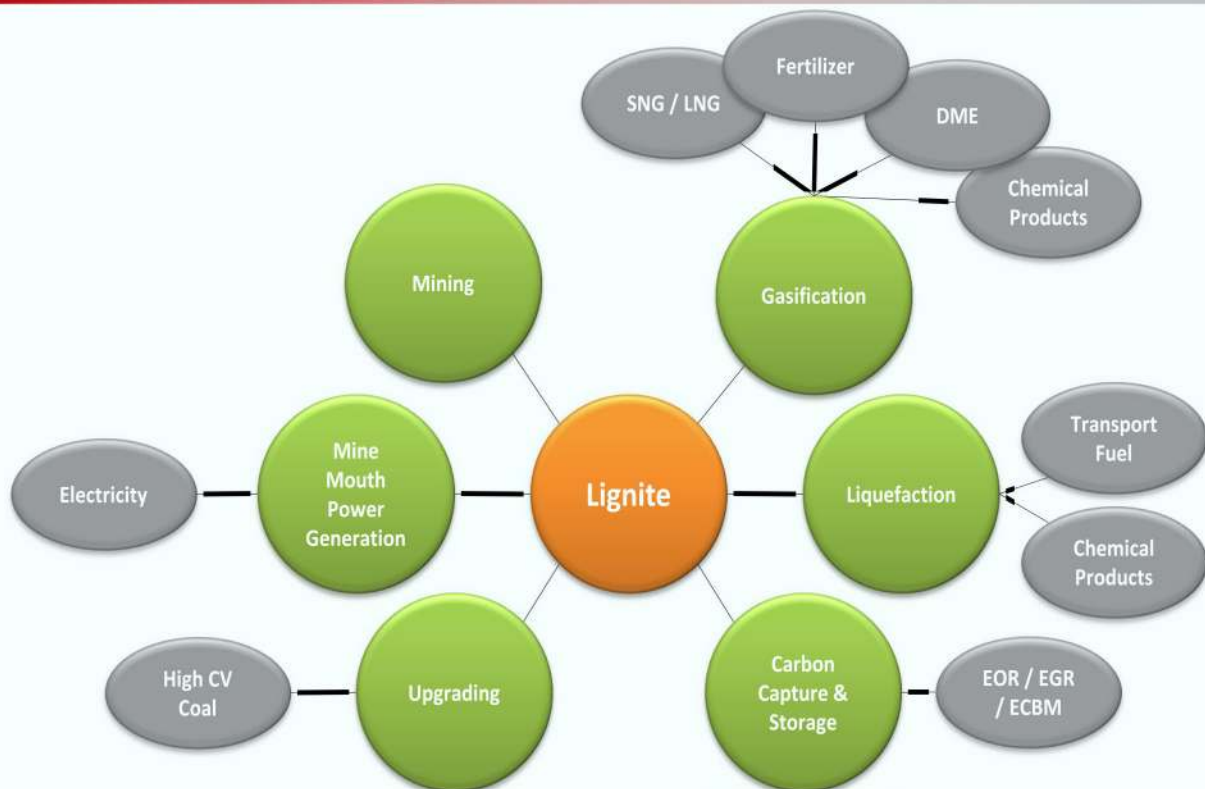
ASH ANALYSIS, % dry basis in ash	
SiO ₂	26.0
Al ₂ O ₃	25.0
Fe ₂ O ₃	25.0
CaO	10.0
MgO	3.0
TI ₂ O ₃	0.90
Ni ₂ O	0.12
K ₂ O	0.22
P ₂ O ₅	0.10
Mn ₂ O ₄	0.80
SO ₂	8.86
SIZING, %	
Above 50 mm	5.0
Under 2 mm	20.0

According to ISO methods, except HGI and Ash Analysis to ASTM

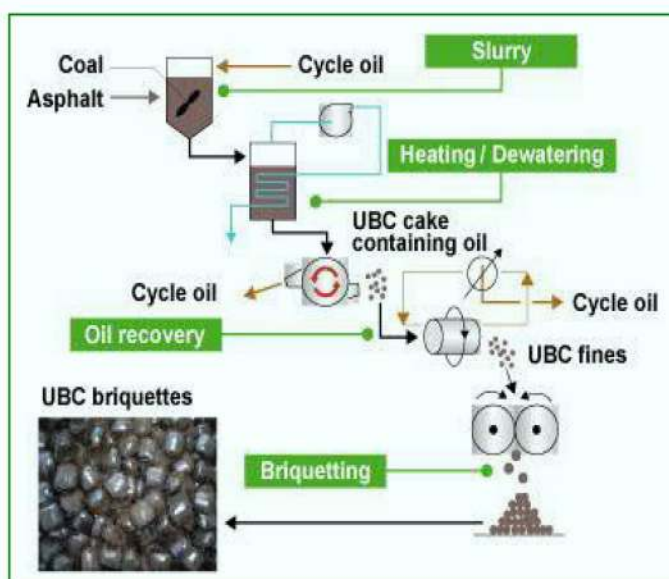
Comparative Typical Coal Range

	Pendopo	Coal Mine #1	Coal Mine #2	Coal Mine #3	Coal Mine #4	Coal Mine #5
CV	2500-3000	5000	4200- 6300	5000-5500	5000-5250	5500- 6700
Moisture	55%-58%	26%	11%-35%	18%-26%	23%-26%	12%-21%
Sulfur	0.12%-0.3%	0.10%	0.2%-1.2%	0.65%-0.40%	0.1%	0.4%-0.9%
Ash	4.0%-5.8%	1.20%	3.9%-14%	4.30%-5.00%	2%	4.5%-5.5%

Note: - Above coal specifications are "as received" basis
 - Source: Indonesian coal book 2010/2011.



Conversion of lignite into clean energy with credible and reputed partners for economic development and people's welfare

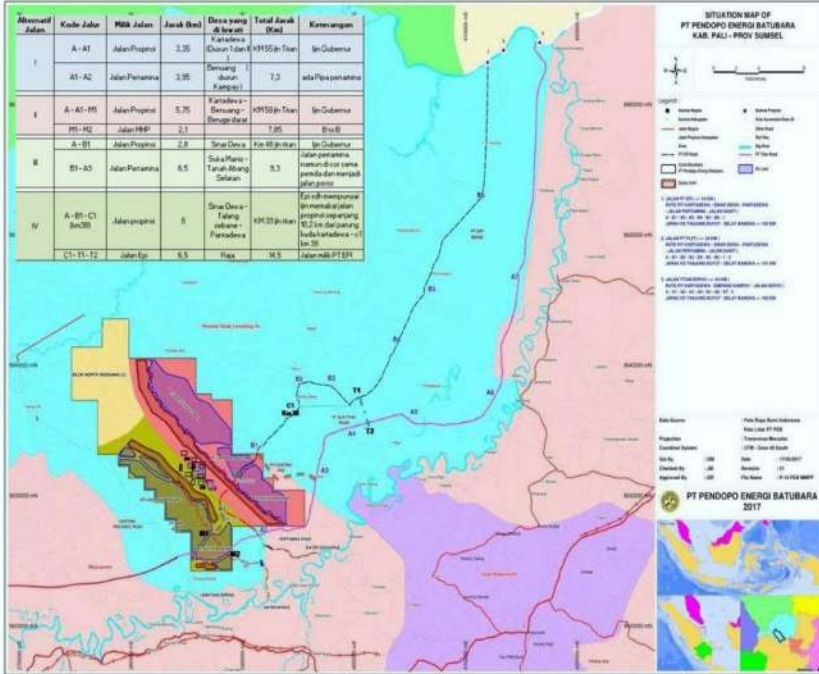


• Example of schematic UBC Coal Upgrading process.

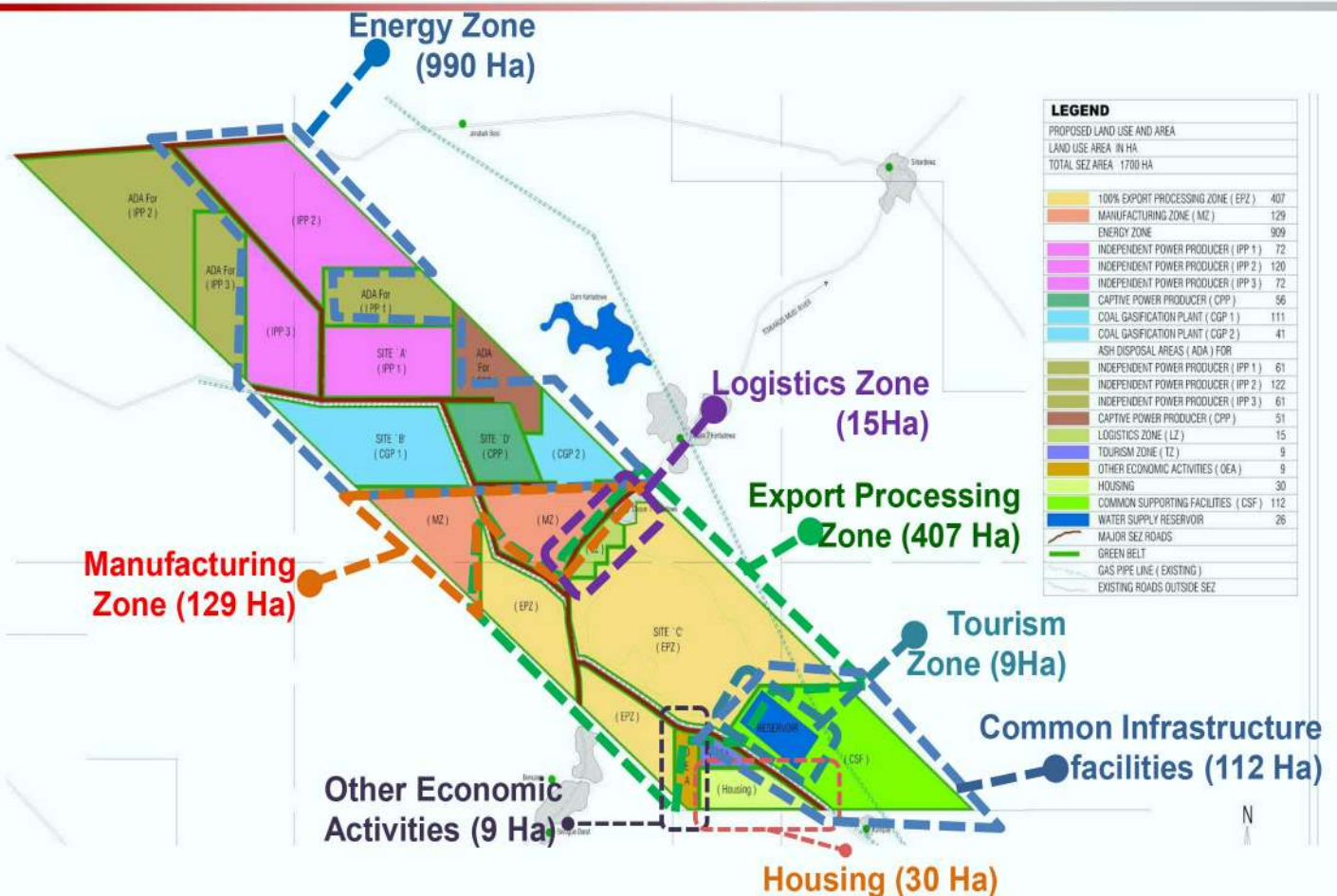
- PEB is currently developing Coal Upgrading with Technology Developer from India & Germany/Chinese, Some sample already tested with a very prospecting result. The plant will be built at PEB's Concession.
- PEB is also seeking opportunity to sell its briquette coal for domestic & export markets as single or blended product through ports that located at mouth of Lematang River.



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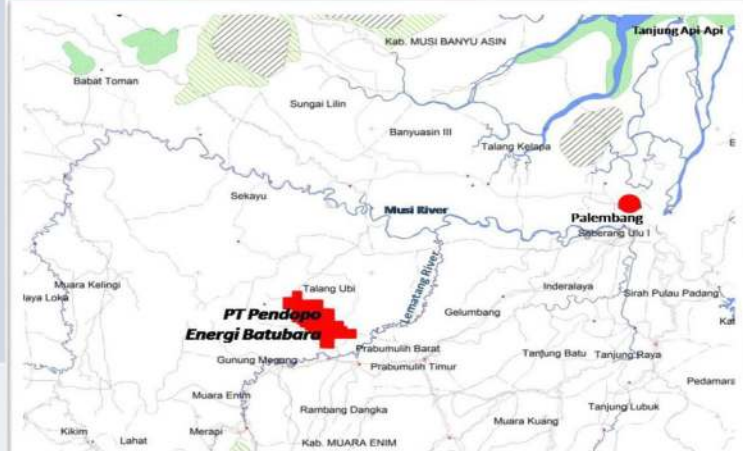


● PEB is seeking opportunity to sell its coal for domestic & export markets as single or blended product directly or using trader through two 3rd party ports that located at mouth of Lematang River.





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Coal Specifications

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