



TNB FUEL SERVICES SDN. BHD.
(a wholly owned subsidiary of Tenaga Nasional Berhad)

**PRE-QUALIFICATION OF COAL BLEND / COAL BRAND FOR
TNB FUEL SERVICES SDN. BHD.
MALAYSIA**

TNBF NO. PQ 01/19

DOCUMENT SUBMISSION

**PRE-QUALIFICATION OF COAL BLEND / COAL BRAND
FOR TNB FUEL SERVICES SDN. BHD.
TNBF NO. PQ 01/19**

DOCUMENTS TO BE SUBMITTED

1. SCHEDULE A – COAL QUALITY DATA
2. SCHEDULE B – APPLICANT'S DETAILS
3. SCHEDULE C – MINE PROFILE
4. SCHEDULE D – LOADING PORT DETAILS
5. SCHEDULE E – INFORMATION ON SOURCE OF COAL
6. SCHEDULE F – ADDITIONAL INFORMATION (FOR TRADERS ONLY)

Name:

Signature:

Position:

Company Stamp:

**PRE-QUALIFICATION OF COAL BLEND / COAL BRAND
FOR TNB FUEL SERVICES SDN. BHD.
TNBF NO. PQ 01/19**

SCHEDULE A – COAL QUALITY DATA

COAL BLEND / COAL BRAND NAME: _____

LOAD PORT: _____ **MINE NAME/S:** _____

REJECTION LIMIT PARAMETER	UNITS	BASIS	PROPERTY	VALUE
Calorific Value	Kcal/kg	AR	Min	
Total Moisture	%	AR	Max	
Ash	%	AR	Max	
Total Sulfur	%	AR	Max	
Volatile Matter	%	AR	Min	
Volatile Matter	%	ADB	Min	
Fuel Ratio	-	-	Max	
HGI	-	-	Min	
AFT Initial Deformation	° C	Red Atm	Min	
Sizing (>50 mm)	%	AR	Max	
Sizing (<3 mm)	%	AR	Max	
Sizing (<2 mm)	%	AR	Max	

PROPERTY (As Received Basis)	UNITS	BASIS	TYPICAL	MIN	MAX
Calorific Value	Kcal/kg	AR			
Total Moisture	%	AR			
Surface Moisture	%	AR			
Ash	%	AR			
Volatile Matter	%	AR			
Total Sulfur	%	AR			
Phosphorous	%	DB			
Chlorine	ppm	AR			
Sodium in Ash	%	AR			
Fuel Ratio	-	-			

PROXIMATE ANALYSIS (Air Dried Basis)	UNITS	BASIS	TYPICAL	MIN	MAX
Calorific Value	Kcal/kg	ADB			
Moisture	%	ADB			
Ash	%	ADB			
Volatile Matter	%	ADB			
Fixed Carbon	%	ADB			
Total Sulfur	%	ADB			

ULTIMATE ANALYSIS (Dry Ash Free)	UNITS	BASIS	TYPICAL	MIN	MAX
Carbon	%	DAF			
Hydrogen	%	DAF			
Nitrogen	%	DAF			
Sulfur	%	DAF			
Oxygen	%	DAF			

Name:

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Company Stamp:

**PRE-QUALIFICATION OF COAL BLEND / COAL BRAND
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SCHEDULE A – COAL QUALITY DATA

COAL BLEND / COAL BRAND NAME: _____

LOAD PORT: _____ **MINE NAME/S:** _____

ULTIMATE ANALYSIS (Air Dried Basis)	UNITS	BASIS	TYPICAL	MIN	MAX
Carbon	%	ADB			
Hydrogen	%	ADB			
Nitrogen	%	ADB			
Sulfur	%	ADB			
Oxygen	%	ADB			
Ash	%	ADB			
Inherent Moisture	%	ADB			

ULTIMATE ANALYSIS (As Received)	UNITS	BASIS	TYPICAL	MIN	MAX
Carbon	%	AR			
Hydrogen	%	AR			
Nitrogen	%	AR			
Sulfur	%	AR			
Oxygen	%	AR			
Ash	%	AR			
Total Moisture	%	AR			

ULTIMATE ANALYSIS (Dry Basis)	UNITS	BASIS	TYPICAL	MIN	MAX
Carbon	%	DB			
Hydrogen	%	DB			
Nitrogen	%	DB			
Sulfur	%	DB			
Oxygen	%	DB			
Ash	%	DB			

ASH FUSION TEMPERATURE (Reducing Atmosphere)	UNITS	TYPICAL	MIN	MAX
Initial Deformation	° C			
Softening	° C			
Hemispherical Deformation	° C			
Flow	° C			

Name:

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**PRE-QUALIFICATION OF COAL BLEND / COAL BRAND
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SCHEDULE A – COAL QUALITY DATA

COAL BLEND / COAL BRAND NAME: _____

LOAD PORT: _____ **MINE NAME/S:** _____

ASH FUSION TEMPERATURE (Oxidizing Atmosphere)	UNITS	TYPICAL	MIN	MAX
Initial Deformation	° C			
Softening	° C			
Hemispherical Deformation	° C			
Flow	° C			

PHYSICAL PROPERTIES	UNITS	TYPICAL	MIN	MAX
Hardgrove Grindability Index	-			

SIZE DISTRIBUTION	UNITS	TYPICAL	MIN	MAX
> 50 mm	%			
< 3 mm	%			
< 2 mm	%			

ASH ANALYSIS PROPERTY (Dry Basis)	UNITS	BASIS	TYPICAL	MIN	MAX
SiO ₂	%	DB			
Al ₂ O ₃	%	DB			
Fe ₂ O ₃	%	DB			
CaO	%	DB			
MgO	%	DB			
Na ₂ O	%	DB			
K ₂ O	%	DB			
TiO ₂	%	DB			
Mn ₂ O ₃	%	DB			
Mn ₃ O ₄	%	DB			
SO ₃	%	DB			
P ₂ O ₅	%	DB			

Name:

Signature:

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SCHEDULE A – COAL QUALITY DATA

COAL BLEND / COAL BRAND NAME: _____

LOAD PORT: _____ **MINE NAME/S:** _____

Trace Elements in Coal (Dry Basis)	UNITS	BASIS	TYPICAL	MIN	MAX
Arsenic	ppm	DB			
Boron	ppm	DB			
Barium	ppm	DB			
Beryllium	ppm	DB			
Cadmium	ppm	DB			
Cobalt	ppm	DB			
Chromium	ppm	DB			
Chlorine	ppm	DB			
Copper	ppm	DB			
Fluorine	ppm	DB			
Mercury	ppm	DB			
Lithium	ppm	DB			
Manganese	ppm	DB			
Molybdenum	ppm	DB			
Nickel	ppm	DB			
Lead	ppm	DB			
Phosphorus	%	DB			
Silver	ppm	DB			
Selenium	ppm	DB			
Tin	ppm	DB			
Strontium	ppm	DB			
Uranium	ppm	DB			
Vanadium	ppm	DB			
Zinc	ppm	DB			

Note 1:

1.0 Kcal = 4.1868 kJ	ADB = Air Dried Basis
1.0 Btu = Kcal/kg x 1.8 lb.	DAF = Dry Ash Free
AR = As Received Basis	DMMF = Dry Mineral Matter Free
DB = Dry Basis	PPM = Parts per million

Note 2: All properties based on ISO test methods.

Name:

Signature:

Position:

Company Stamp:

**PRE-QUALIFICATION OF COAL BLEND / COAL BRAND
FOR TNB FUEL SERVICES SDN. BHD.
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SCHEDULE B – APPLICANT’S DETAILS

1. Applicant Name:

.....

2. Address:

.....

.....

.....

3. Mine Name:

.....

4. Mine Owner:

.....

5. Mine Address:

.....

.....

6. Applicant’s Business Structure to the Mine Owner (Please tick)

Self	Producer	Joint Venture	Marketing Arm	Trader	Agent	Others (please specify)

7. Applicant’s Paid Up Capital:

.....

Name:

Signature:

Position:

Company Stamp:

8. Applicant Shareholding Details Evidencing Control Over the Mine

No.	Name of Applicant and other Shareholders	(%) Stake in the Mine	(%) Controlling Stake to Produce, Blend, Sell, Trade, Export etc. of the mine's coal (please specify)

*Please furnish copy of undertaking letter by Mine Owner or Mine Producer defining the relationship with the Applicant, agreements, contracts, details of company structure, ownership details, audited annual reports, company brochures and other information deemed relevant. This information to be attached as **Schedule E (a)**

9. (i) Contact Person of Applicant

Name: _____
 Designation: _____
 Phone Number: _____
 Fax Number: _____
 Email Address: _____

(ii) Contact Person of Applicant

Name: _____
 Designation: _____
 Phone Number: _____
 Fax Number: _____
 Email Address: _____

(iii) Contact Person of Applicant

Name: _____
 Designation: _____
 Phone Number: _____
 Fax Number: _____
 Email Address: _____

(iv) Contact Person of Applicant

Name: _____
 Designation: _____
 Phone Number: _____
 Fax Number: _____
 Email Address: _____

Name:

Signature:

Position:

Company Stamp:

10. Mining Permit Details based on the Relevant Government Authority (Mining Lease; Coal Contract of Work; *Izin Usaha Pertambangan Operasi Produksi*; *Izin Usaha Pertambangan Khusus* and its relevant *Sertifikat Clear and Clean*; *Perjanjian Karya Pengusahaan Pertambangan Batubara* and etc.)

No.	Name of Permit	Serial No.	Validity Duration (Start / End)

10.1. Blending Permit Details based on Relevant Government Authority (*Izin Usaha Pertambangan Operasi Produksi Khusus* untuk Pengolahan dan Pemurnian, *Persetujuan Izin Blending*, *Persetujuan Pencampuran Batubara PT... Dengan PT ...* and etc.)

No.	Name of Permit	Serial No.	Validity Duration (Start / End)	Approval to Blend coal from which mine concession(s)

10.2. Trading Permit Details based on Relevant Government Authority (*Izin Usaha Pertambangan Operasi Produksi Khusus* untuk *Pengangkutan dan Penjualan* and etc.)

No.	Name of Permit	Serial No.	Validity Duration (Start / End)	Approval to Trade coal from which mine concession(s)

Name:

Signature:

Position:

Company Stamp:

10.3. Export Permit Details based on the Relevant Government Authority (*Eksportir Terdaftar and etc.*)

No.	Name of Permit	Serial No.	Validity Duration (Start / End)	Approval to Export coal from which mine concession(s)

*Please furnish a letter on your company letterhead affirming that you hold the rights granted by the relevant Authorities to produce, blend, trade, sell and export coal from mine(s) as stated in this document. This information to be attached as **Schedule E (b)**

11. Customer Details

Please specify the top 5 customers for 2019, 2018 and 2017 (with reference to the tonnage sold)

11.1 Year 2019

No.	Customer's Name	Country	Quantity (mt)	Contract Duration (Start / End)

11.2 Year 2018

No.	Customer's Name	Country	Quantity (mt)	Contract Duration (Start / End)

Name:

Signature:

Position:

Company Stamp:

11.3 Year 2017

No.	Customer's Name	Country	Quantity (mt)	Contract Duration (Start / End)

12. Contract Details with TNBF (past / present)

No.	Contract No.	Country	Quantity (mt)	Contract Duration (Start / End)

13. Bill of Ladings for Handymax, Panamax and Capesize shipments, Certificate of Sampling and Analysis, Certificate of Origin and its Relevant *Laporan Surveyor Ekspor* (For Indonesian Shipment).

No.	Mother Vessel Name	BL Date	Customer	COSA (Please tick)	COO (Please tick)	Laporan Surveyor Ekspor (Please tick)
1						
2						
3						

*Please attach copies of 3 latest Bill of Ladings, its 3 respective Certificate of Sampling and Analysis, its 3 respective Certificate Of Origin and its 3 respective *Laporan Surveyor* for the Coal Blend / Coal Brand offered in Schedule A. This information to be attached as **Schedule E (c)**.

Name:

Signature:

Position:

Company Stamp:

14. Summary of previous 3 shipments. Please tick (√)

No	Shipments	BL Mother Vessel / Barge	COSA Mother Vessel / Barge	COO Mother Vessel	SKAB Barge	LHV Barge	LS Mother Vessel
1	MV						
	BG 1						
	BG 2						
	BG 3						
	BG 4						
	BG 5						
	BG 6						
	BG 7						
	BG 8						
	BG 9						
2	MV						
	BG 1						
	BG 2						
	BG 3						
	BG 4						
	BG 5						
	BG 6						
	BG 7						
	BG 8						
	BG 9						
3	MV						
	BG 1						
	BG 2						
	BG 3						
	BG 4						
	BG 5						
	BG 6						
	BG 7						
	BG 8						
	BG 9						

*For coal originating from Indonesia, where coal has been loaded by barges, please attach the breakdown of the 3 shipments mentioned in **Schedule B Item 13**. The total barge tonnage must be equivalent to the Mother Vessel Bill of Lading.

Name:

Signature:

Position:

Company Stamp:

**PRE-QUALIFICATION OF COAL BLEND / COAL BRAND
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**SCHEDULE C- MINE PROFILE FOR COAL BLEND / COAL BRAND SUBMITTED IN
SCHEDULE A**

1. Coal Reserves Data for Coal Blend / Coal Brand Proposed

Measured Tonnage	
Indicated Tonnage	
Inferred Tonnage	
Estimated Remaining Mine Life	

*Please furnish the Coal Mine concession/geological survey on the coal resources, reserve, quality etc. based on International Standards report i.e. Joint Ore Reserves Committee Code (JORC Code), South African Code for the Reporting of Mineral Resources and Mineral Reserves (SAMREC), Standard National Indonesia (SNI) or equivalent. This information to be attached as **Schedule E (d)**

2. Mine Details

	Mine Concession 1	Mine Concession 2 <i>(For blended coal only)</i>
Mine Name		
Commencement Date of Mine		
Remaining Mine Life		
Blending Proportion (%) – if any		
Production Rate (mt/day)		
Total Manpower		
Mine Stockpile Capacity		

3. Coal Quality Data (For Blended Coal)

Item	Property	Basis	Unit		Limit Value	
					Coal for Mine Concession 1	Coal for Mine Concession 2
1	Gross Calorific Value	As Received	Kcal/kg	Min		
2	Total Moisture	As Received	%	Max		
3	Ash Contents	As Received	%	Max		
4	Total Sulfur	As Received	%	Max		
5	Volatile Matter	As Received	%	Min		
6	HGI	As Received	-	Min		
7	AFT (IDT)	Reducing Atmosphere	°C	Min		

*Please add additional attachments if coal blended from more than 2 Mine Concessions.

Name:

Signature:

Position:

Company Stamp:

4. Washing Method

Unwashed (%)	Washed (%)

*Please furnish details on the washing facilities and other information deemed relevant. This information to be attached as **Schedule E (e)**

5. Production Details

5.1 Past Production

5.1.1 Year 2016 - 2018

Year	Total Production (mt)	Export Sales (mt)	Domestic Sales (mt)
2016			
2017			
2018			

5.2 Production Forecast

5.2.1 Year 2019 - 2022

Year	Total Production (mt)	Export Sales (mt)	Domestic Sales (mt)
2019			
2020			
2021			
2022			

*Please furnish details on the mine expansion programs and other information deemed relevant. This information to be attached as **Schedule E (i)**

6. Mining Method (please tick)

Open Cut		Underground	
<input type="checkbox"/>	Drag Line	<input type="checkbox"/>	Long Wall
<input type="checkbox"/>	Truck and Shovel	<input type="checkbox"/>	Room and Pillar
<input type="checkbox"/>	Others (Please specify)	<input type="checkbox"/>	Others (Please specify)

Name:

Signature:

Position:

Company Stamp:

7. Mine Logistic Details

Distance (Mine to Load Port / km)	Capacity of Inland Transportation (mt / day)	Mode of Transportation (please tick)				
		Truck	Conveyor	Train	Barge	Others (please specify)

*Please furnish details on the transportation facilities from mine to port and other information deemed relevant. This information to be attached as **Schedule E (g)**

8. Laboratory

8.1 Coal Sampling Practice at Mine Site (please tick)

Own Lab	Independent Inspection Companies (If <input type="checkbox"/> , please specify name)

8.2 Coal Quality Parameters Monitored (please tick)

Heating Value	Total Moisture	Ash Content	Sulphur Content	Volatile matter	Others (please specify)

*Please furnish details of the sampling done at each of the key logistic points from the mine to the load port, sampling equipment (manual / automatic) used by the above quality inspection companies and other information deemed relevant. This information to be attached as **Schedule E (h)**

Name:

Signature:

Position:

Company Stamp:

**PRE-QUALIFICATION OF COAL BLEND / COAL BRAND
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**SCHEDULE D – LOADING PORTS DETAILS FOR COAL BLEND / COAL BRAND
SUBMITTED IN SCHEDULE A**

NAME OF VESSEL LOADING PORT:

Facility			
Drafts at low water (m)			
• Entrance Channel			
• Approach Channel			
• Berth			
• SWAD (Salt Water Arrival Draft)			
• Tidal Range			
• MWHS (Mean High Water Spring)			
• MWHN (Mean High Water Neap)			
Vessel Restrictions Length Overall Beam Airdraft			
Max. Vessel Size (Fully laden in DWT)			
Loading Facilities suitable for (vessel type)	Geared	Gearless	Both
Loading Equipment/Type			
Stockpile Capacity Available to Shipper			
Annual Capacity of Load Port			
Name of Independent Surveyor operating at port (for weight and quality verification)			
Loading Rate			
Vessel Size (dwt) or Cargo Loaded	Loading Rate (tonne) per 24 hrs		
50,001 - 79,999 80,000 – 100,000 above 100,000			
Despatch / Demurrage Rate			
Vessel Size (dwt)	Despatch per 24 hours in USD (pro-rata for part)	Demurrage per 24 hours in USD (pro-rata for part)	
50,001 - 79,999 80,000 – 100,000 above 100,000	<i>As per Charter Party</i>	<i>As per Charter Party</i>	

*Please furnish details on the future port expansion and infrastructure improvements programs (if any) and other information deemed relevant. This information to be attached as **Schedule E (i)**

Name:

Signature:

Position:

Company Stamp:

BARGE LOADING POINT DETAILS FOR COAL BLEND / COAL BRAND SUBMITTED IN SCHEDULE A (IF APPLICABLE)

Jetty 1

1. Barge Loading Point Owner:	
2. Location:	
3. Ownership*:	Public or Private
4. Conveyor Belt Facilities*:	Yes or No
5. Barge Loading Rate (mt/hr):	
6. Barge Stockpile Capacity (mt):	
7. Blending Facility*:	Yes or No
8. Sampling*:	Automatic or Manual
9. Barge size (DWT and draft)	
10. Turnaround time: <ul style="list-style-type: none"> ▪ Full Load ▪ Without Load 	
11. Approaching channel Constraint(s):	

Jetty 2 (For blended coal loaded from a different source)

1. Barge Loading Point Owner:	
2. Location:	
3. Ownership*:	Public or Private
4. Conveyor Belt Facilities*:	Yes or No
5. Barge Loading Rate (mt/hr):	
6. Barge Stockpile Capacity (mt):	
7. Blending Facility*:	Yes or No
8. Sampling*:	Automatic or Manual
9. Barge size (DWT and draft)	
10. Turnaround time: <ul style="list-style-type: none"> ▪ Full Load ▪ Without Load 	
11. Approaching channel Constraint(s):	

*Please cancel whichever irrelevant

Name:

Signature:

Position:

Company Stamp:

**PRE-QUALIFICATION OF COAL BLEND / COAL BRAND
FOR TNB FUEL SERVICES SDN. BHD.
TNBF NO. PQ 01/19**

**SCHEDULE E – INFORMATION ON SOURCE OF COAL BLEND / COAL BRAND
SUBMITTED IN SCHEDULE A**

- a. Undertaking letter by Mine Owner / Producer defining the relationship with the Applicant, agreements, contracts, details of company structure, ownership details, audited annual reports, company brochures and other information deemed relevant.
- b. Letter on company letterhead affirming the rights granted by relevant Country Authority to produce, blend, trade, sell and export coal from the mine(s). Copies of the relevant permits, licenses or leases based on the Government regulatory requirement i.e. Mining Permit, Blending Permit, Trading Permit and Export Permit. *Please provide the supporting documents and translation if the documents are not in English or Indonesian language.*
- c. Copies of 3 latest shipment Bill of Ladings for vessel / barge, its 3 respective Certificate of Sampling and Analysis, its 3 respective Certificate of Origin (COO) for the Coal Blend / Coal Brand proposed and for Indonesian shipments, its respective *Laporan Surveyor Ekspor*. For coal originating from Indonesia, where coal has been loaded by barges, please also attach the latest breakdown of the 3 shipments mentioned earlier. The Applicants may submit the relevant 7 to 9 barges documentation and coal sources for complete full load of each Mother Vessel shipments and its respective *Laporan Hasil Verifikasi*.
- d. Coal Mine concession/geological survey on the coal resources, reserve, quality etc. based on International Standards report i.e. Joint Ore Reserves Committee Code (JORC Code), South African Code for the Reporting of Mineral Resources and Mineral Reserves (SAMREC), Standard National Indonesia (SNI) or equivalent.
- e. Details on the washing facilities. If any -
- f. Details on the mine expansion programs. If any -
- g. Details on the transportation facilities from mine to port.
- h. Details of the sampling done at each of the key logistic points from the mine to the load port, sampling equipment (manual / automatic) used by the quality inspection companies and other information deemed relevant.
- i. Details on the future port expansion and infrastructure improvement programs (if any) and other information deemed relevant.
- j. Details on the back to back supply agreement(s) and other information deemed relevant.

Name:

Signature:

Position:

Company Stamp:

3. Summary of Total Tonnage Traded

Year	Total Tonnage Traded (in million MT)	Total tonnage sourced from Indonesia (%)	Total tonnage sourced from Australia (%)	Total tonnage sourced from other countries (%)	Total
2018					100%
2017					100%
2016					100%

4. Back To Back Supply Contract Agreement

Availability of Back to Back Supply Contract Agreement with Mine Owner/s or Coal Producer/s for the Coal Blend / Coal Brand as offered in Schedule A. Please specify the name of the Mine Owner/s or Coal Producer/s.

Availability of Back to Back Supply Agreement (Yes / No)	If Yes, please specify the Mine Owner or Coal Producer name

* Please furnish details on the back to back supply agreement(s) and other information deemed relevant. This information to be attached as **Schedule E (j)**

Name:

Signature:

Position:

Company Stamp: