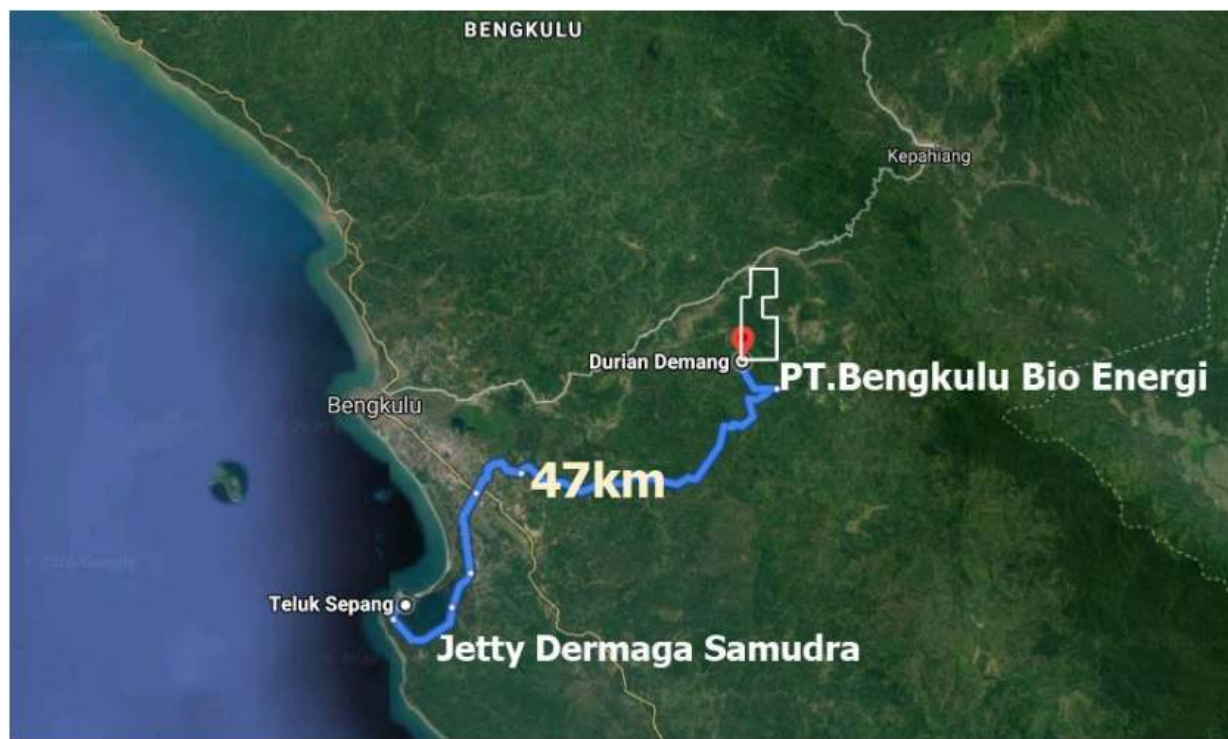


PT BENGKULU BIO ENERGY

Coal Mining Project - Bengkulu



MINING SITE OVERVIEW – PT BENGKULU BIO ENERGY



COAL ANALYSIS REPORT

PT. TRIBAKTI INSPEKTAMA
No: BKU-L-0010

CERTIFICATE OF SAMPLING AND ANALYSIS

Principal/Member order:
 1. PT. BONGKALI BIO ENERGI
 KEMPEL SIKES PERNITA SENTANA
 BLOK E.12 RT. GEDONG CRODOK, UTARA
 KEMAYORAN LAMA, JAKARTA SELATAN

Yielded For:
 1. Stockpile Sampling and Coal Analysis
 2. Total Moisture, Proximate Analysis, Total Sulfur, and Gross Calorific Value

Description of Sample:
 1. Stockpile
 2. Date of Sampling: April 11, 2017
 3. Number of Samples: 3 Samples
 4. Sample Code: STCK TAMPANG IRAM & 22/A/2017
 5. Sample Weight: 300 kg

Order Number/Member Order No. of Paper:
 1. BKU-L-0010
 2. 17010

SAMPLING:
 Samples were taken and prepared in accordance with ASTM standards (D 2204/D 2204M-08 and D 3311/D 3311M-02).

ANALYSIS:
 Analysis were performed at PT. TRIBAKTI INSPEKTAMA, Bengkulu Laboratory in accordance with the following standard method. The results are as stated below:

Total Moisture, Moisture %	(ASTM D3311/D 3311M-15)	12.37	As Received Basis
Proximate Analysis, Moisture %			
Ash Content	(ASTM D2274-15)	6.28	As Dried Basis
Volatile Matter	(ASTM D2274-15)	32.34	As Dried Basis
Fixed Carbon	(ASTM D2274-15)	59.38	As Dried Basis
Total Sulfur, Moisture %	(ASTM D4229-14a2)	0.31	As Dried Basis
Gross Calorific Value, kJ/kg	(ASTM D5891-15)	6.782	As Received Basis

BONGKALI APRIL 11, 2017
 Signed on behalf of
PT. TRIBAKTI INSPEKTAMA
DANANG DITJALANING
 Branch Manager

Cert No.: 172196L038

PT. TRIBAKTI INSPEKTAMA
No: BKU-L-0011

CERTIFICATE OF SAMPLING AND ANALYSIS

Principal/Member order:
 1. PT. BONGKALI BIO ENERGI
 KEMPEL SIKES PERNITA SENTANA
 BLOK E.12 RT. GEDONG CRODOK, UTARA
 KEMAYORAN LAMA, JAKARTA SELATAN

Yielded For:
 1. Total Moisture, Proximate Analysis, Total Sulfur, and Gross Calorific Value

Description of Sample:
 1. Quantity: 5,500 Ton
 2. Date of Sampling: April 11, 2017
 3. Number of Samples: 3 Samples
 4. Sample Code: STCK TAMPANG IRAM & 22/A/2017
 5. Sample Weight: 240 kg

Order Number/Member Order No. of Paper:
 1. BKU-L-0011
 2. 17010

SAMPLING:
 Samples were taken and prepared in accordance with ASTM standards (D 2204/D 2204M-08 and D 3311/D 3311M-02).

ANALYSIS:
 Analysis were performed at PT. TRIBAKTI INSPEKTAMA, Bengkulu Laboratory in accordance with the following standard method. The results are as stated below:

Total Moisture, Moisture %	(ASTM D3311/D 3311M-15)	17.80	As Received Basis
Proximate Analysis, Moisture %			
Ash Content	(ASTM D2274-15)	9.50	As Dried Basis
Volatile Matter	(ASTM D2274-15)	7.71	As Dried Basis
Fixed Carbon	(ASTM D2274-15)	30.81	As Dried Basis
Total Sulfur, Moisture %	(ASTM D4229-14a2)	0.29	As Dried Basis
Gross Calorific Value, kJ/kg	(ASTM D5891-15)	5.506	As Received Basis

BONGKALI APRIL 11, 2017
 Signed on behalf of
PT. TRIBAKTI INSPEKTAMA
DANANG DITJALANING
 Branch Manager

Cert No.: 172196L031

PT. TRIBAKTI INSPEKTAMA
No: BKU-L-0012

REPORT OF SAMPLING AND ANALYSIS

Subject:
 1. Charred Sampling and Coal Analysis

Sample Code:
 1. CHANDEL SEAM & 22/A/2017

Principal:
 1. PT. BONGKALI BIO ENERGI
 KEMPEL SIKES PERNITA SENTANA
 BLOK E.12 RT. GEDONG CRODOK, UTARA
 KEMAYORAN LAMA, JAKARTA SELATAN

Yielded For:
 1. Total Moisture, Proximate Analysis, Total Sulfur, and Gross Calorific Value

Order Number:
 1. LANZU/12/17/000004

ID Sample Lab:
 1. PK/17/01/001

Date of Sampling:
 1. APRIL 22, 2017

SAMPLING:
 Samples were taken and prepared in accordance with ASTM standards (D 2204/D 2204M-08 and D 4506-09).

ANALYSIS:
 Analysis were performed at PT. TRIBAKTI INSPEKTAMA, Bengkulu Laboratory in accordance with the following Standard method. The results are as stated below:

Total Moisture, Moisture %	(ASTM D3311/D 3311M-15)	17.37	As Received Basis
Proximate Analysis, Moisture %			
Ash Content	(ASTM D2274-15)	6.47	As Dried Basis
Volatile Matter	(ASTM D2274-15)	42.35	As Dried Basis
Fixed Carbon	(ASTM D2274-15)	49.37	As Dried Basis
Total Sulfur, Moisture %	(ASTM D4229-14a2)	0.34	As Dried Basis
Gross Calorific Value, kJ/kg	(ASTM D5891-15)	6.029	As Dried Basis
Gross Calorific Value, kJ/kg	(ASTM D5891-15)	5.529	As Received Basis

BONGKALI APRIL 22, 2017
 Signed on behalf of
PT. TRIBAKTI INSPEKTAMA
DANANG DITJALANING
 Branch Manager

Cert No.: 172196L038

LICENSE, RESERVE & QUALITY

Reserve	4.000.000 Ton
CV (GAR)	5000-4800
CV (ADB)	5800-6000
TM(%)	20
IM(%)	10
TS(%)	0.5-0.7
ASH(%)	10-12
VM	40
FC	38-40
AFT	>1250

IUP OP	No. 249 Tahun 2010
CnC	No. 597/Bb/03/2015
ET	No. 03.ET-04.15.0081



PROJECT DOCUMENTATION



PT BENGKULU BIO ENERGY



THANK YOU

PT BENGKULU BIO ENERGY