

ICM TECH

CET COAL



QUALITY COAL GUARANTEED!

Coal is a combustible black or brownish-black sedimentary rock with a high amount of carbon and hydrocarbons. Coal contains the energy stored by plants that lived hundreds of millions of years ago in swampy forests. Coal is classified into four main types: anthracite, bituminous, subbituminous, and lignite. The ranking depends on the types and amounts of carbon the coal contains and on the amount of heat energy the coal can produce.

www.icmtechglobal.com/cetcoal

WHO WE ARE

ICM has built a robust Business to Business contract network with numerous energy partners worldwide, establishing itself as a reliable source of coal in the global market, particularly in Asia. We collaborate with over 10 mining and exporting partners in Indonesia who are dedicated to enhancing their coal mining operations, quality, and customer satisfaction under the "CET Coal" brand. Our mission is to consistently enhance quality control for our customers, operating transparently and encouraging all customers to engage in the operations process for full transparency.



**FOSTERING INNOVATION
THROUGH TECHNOLOGY.**

3CS OF QUALITY COAL

Calorific Value, Chemical Composition, and Cost are key factors in assessing the effectiveness of coal.

- Calorific Value indicates the energy produced,
- Chemical Composition offers insights into efficient combustion.
- Cost is an important aspect that impacts the economic viability of coal, influencing choices for both industries and consumers.

A thorough understanding of these elements is crucial for the responsible use of coal.



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WHY CHOOSE US

01 OUR EXPERTISE & MINING PARTNERS

02 OUR COMMITMENT TO QUALITY

03 COST OPTIMIZATION

**QUALITY AT THE
HEART OF
EVERYTHING WE
DO!**



OUR COMMITMENT TO QUALITY



INDONESIAN ANTHRACITE COAL

Specification

INDONESIAN COAL SPECIFICATION

DESCRIPTION	VALUE	BASIS	GUARANTEED	REJECTION
Gross Calorific	Kcal/Kg	As Received Basis	8000	<7500
Total Moisture	%	As Received Basis	6-8	>9
Volatile Matter	%	Air Dried Basis	10-22	-
Ash	%	Air Dried Basis	6-7	>8
Sulphur	%	Air Dried Basis	0.6-0.9	>1
Fixed Carbon	%	Air Dried Basis	83-85%	By difference

ASH FUSION TEMPERATURE

Flow (Oxidizing Atmosphere)	IDT (Reducing Atmosphere)	Minimum 1400°C
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SIZE OF PARTICLES

0-50mm	%	>90
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HARDGROVE GRINDABILITY INDEX (HGI)

Guaranteed 55 - 65	Rejection: N/A
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FIVE HARMFUL ELEMENTS

Hgd - Guaranteed: Less than or Equal to 0.6ng/g	Rejection: > 0.6ng/g
Asd – Guaranteed: Less than or Equal to 80ng/g	Rejection: > 80ng/g
Pd – Guaranteed: Less than or Equal to 0.15ng/g	Rejection: > 0.15ng/g
Cld – Guaranteed: Less than or Equal to 0.20%	Rejection: > 0.20%
Fluorine (F) – Guaranteed: Less than or Equal to 200ng/g	Rejection: > 200ng/g



INDONESIAN STEAM COAL

General Specifications

PARAMETERS	ICI 1	ICI 2	ICI 3	ICI 4
	Kcal/kg	Kcal/kg	Kcal/kg	Kcal/kg
Gross Calorific (ARB)	6500	5800	5000	4200
Net Calorific (ARB)	6200	5500	4600	3800
Total Moisture (ARB)	9-12%	12-15%	22-28%	32-38%
Inherent Moisture (ADB)	7-9%	8-10%	12-15%	15-18%
Ash Content (ADB)	8-14%	12-17%	10-14%	8-12%
Volatile Matter (ADB)	38-43%	38-43%	36-40%	36-40%
Fixed Carbon (ADB) (By difference)	43-48%	42-45%	38-42%	37-40%
Total Sulfur (ADB)	0.8-1.0%	0.8-1.0%	0.6-1.0%	0.5-1%
Hydrogen (Hd) (Dry Basis)	4.90%	4.90%	4.90%	4.90%
HGI (Hardgrove Index)	47-52	45-52	45-52	38-45
Ash Fusion Temp. IDT (Reducing Atmosphere) Min.	1350°C	1250°C	1250°C	1250°C

FEATURE: LOW ASH AND SULFUR CONTENT, HIGH HEATING VALUE

APPLICATIONS: IDEAL FOR POWER GENERATION AND INDUSTRIAL APPLICATIONS REQUIRING HIGH ENERGY EFFICIENCY.



INDONESIAN STEAM COAL

General Specifications

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FEATURE: BALANCED BLEND OF ENERGY AND COST-EFFICIENCY.

APPLICATIONS: SUITABLE FOR MEDIUM TO LARGE-SCALE POWER PLANTS AND MANUFACTURING INDUSTRIES.



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FEATURE: COST-EFFECTIVE, MODERATE ENERGY OUTPUT.

APPLICATIONS: PERFECT FOR GENERAL INDUSTRY USE, INCLUDING CEMENT AND STEEL MANUFACTURING.



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FEATURE: ECONOMICAL, LOWER HEATING VALUE BUT HIGH AVAILABILITY.

APPLICATIONS: USED IN SMALLER INDUSTRIAL SETUPS AND RESIDENTIAL HEATING SOLUTIONS.

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 Bangkok, Europe, India, Indonesia, Malaysia