

SUPPLY, UTILIZATION AND TRADING PROCEDURE OF BIOFUEL AS ALTERNATE FUEL

(Regulation of the Minister of Energy and Mineral Resources No. 32 year 2008,
dated September 26, 2008)

THE MINISTER OF ENERGY AND MINERAL RESOURCES,

Considering:

- a. that in the context of accelerating the supply and utilization of biofuel as alternate fuel, it is necessary to review *Regulation of the Minister of Energy No. 051 Year 2006 concerning Requirements and Guidelines on Trading Business Permit of Biofuel as alternate fuel*;
- b. that based on the consideration referred to in letter a and in accordance with provisions of Article - 2 paragraph (2) letter b number 4 of President Regulation No. 5 Year 2006 concerning National Energy Policy and provisions of the *Dictum One, Number 2 of President Instruction No. 1 Year 2006 concerning Supply and Utilization of Biofuel as alternate fuel*, it is necessary to stipulate a regulation of the Minister of Energy and Mineral Resources concerning Supply, Utilization and Trading Procedure of biofuel as alternate fuel;

In view of:

1. Law No. 22 Year 2001 (***BN No. 6696 pages 16A-27A and so on***) concerning Natural Oil and Gas (Statute Book of the Republic of Indonesia Year 2001 No. 136, Supplement to Statute Book of the Republic of Indonesia No. 4152);
2. Law No. 30 Year 2007 (***BN No. 7609 pages 7A-18A***) concerning Energy (Statute Book of the Republic of Indonesia Year 2007 No. 96, Supplement to Statute Book of the Republic of Indonesia No. 4746);
3. Government Regulation No. 36 Year 2004 (***BN No. 7134 pages 17A-32A and so on***) concerning Natural Oil

and Gas Downstream Business Activities (Statute Book of the Republic of Indonesia Year 2004 No. 124, Supplement to Statute Book of the Republic of Indonesia Year No. 4436);

4. President Regulation No. 5 Year 2006 dated January 25, 2006 concerning National Energy Policy;
5. Presidential Decree No. 187/M Year 2004 dated October 20, 2004 having been amended several times, lastly by Presidential Decree No. 77/P Year 2007 dated August 28, 2007;
6. Regulation of the Minister of Energy and Mineral Resources No. 0007 Year 2005 dated April 21, 2005 concerning Requirements and Guidelines on Performance of Business Permit of Natural Oil and Gas Downstream Activities;
7. *Regulation of the Minister of Energy and Mineral Resources No. 0030 Year 2005 dated July 20, 2005 concerning Organization and Work Procedure of the Department of Energy and Mineral Resources*;
8. Regulation of the Minister of Energy and Mineral Resources No. 0048 Year 2005 dated December 30, 2005 concerning Standard and Quality (Specification) and Control on Oil Fuel, Gas Fuel, Other Fuel, LPG, LNG and Processed Products Marketed Domestically;

D E C I D E S :

To stipulate:

THE REGULATION OF THE MINISTER OF ENERGY AND MINERAL RESOURCES CONCERNING SUPPLY, UTILIZATION AND TRADING PROCEDURE OF BIOFUEL AS ALTERNATE FUEL.

CHAPTER I
GENERAL PROVISIONS

Article 1

In this Minister Regulation, what is meant by:

1. **Other Fuel** is fuel in the form of liquid or gas originating from other than Natural Oil, Natural Gas and Processed Products.
2. **Biofuel as alternate fuel** is fuel originating from vegetations and/or produced from other organic substances, traded as alternate fuel.
3. **Bio-diesel (B100)** is Fatty Acid Methyl Ester (FAME) product or Mono Alkyl Ester produced from biological and other biomass raw material processed by esterification.
4. **Bio-ethanol (E100)** is an ethanol product produced from biological and other biomass raw material processed thru biotechnology.
5. **Pure Biological Oil (O100)** is a product produced from biological and other biomass raw material processed mechanically and by fermentation.
6. **Retail Selling Price of biofuel as alternate fuel** is the price of biofuel as alternate fuel including margin and taxes at a delivery point.
7. **Trading Business Activity on biofuel as alternate fuel** is a business activity to supply and/or distribute biofuel as alternate fuel covering purchase, sale, processing, export and/or import activities as well as the transportation and storage thereof up to the marketing of biofuel as alternate fuel to end consumers.
8. **Business Enterprise** is a company in the form of legal entity performing fixed types of business continuously, and established in accordance with prevailing legislations, working and residing within the territory of the Unitary State of the Republic of Indonesia.
9. **Direct users of oil fuel** are individuals and business enterprises using oil fuel for own interest and not for commercial purposes.
10. **Direct users of biofuel as alternate fuel** are individuals and business enterprises using biofuel as alternate fuel for own interest and not for commercial purposes.
11. **End consumers** are end users or utilizer of biofuel as alternate fuel.
12. **Energy Independent Village** is a village able to produce energy based on New and Renewable Energy, including Biofuel as alternate fuel to meet and supply a minimum of 60 % (sixty percent) of energy requirement for the village itself.
13. **Trading Business Permit on biofuel as alternate fuel** is a permit issued to a business enterprise to carry out trading business activities of biofuel as alternate fuel.
14. **Minister** is the Minister whose field of duty and responsibility cover business activities on Natural Oil and Gas.
15. **Director General** is the Director General whose duty and responsibility cover business activities on Natural Oil and Gas.
16. **Governor** is the Head of a Provincial Region.
17. **Regent** is the Head of a Regency Region.
18. **Mayor** is the Head of a Municipality Region.

CHAPTER II

PRIORITY OF BIOFUEL UTILIZATION

Article 2

- (1) Arrangements on the supply, utilization and trading procedure of biofuel as alternate fuel is purported to increase the utilization of alternate fuel in the context of national energy tenacity.

- (2) Biofuel as alternate fuel meant in paragraph (1) can be in the form of Bio-diesel (B100), Bio-ethanol (E100) and Pure Biological Oil (O100).

Article 3

- (1) In order to increase the utilization of alternate Fuel in the context of national energy tenacity as referred to in Article - 2, business enterprises holding Oil Fuel Trading Business Permit and Direct Users of Oil Fuel are obliged to use biofuel as Alternate Fuel in stages (phases).
- (2) The phasing of obligation to use biofuel as alternate fuel as meant in paragraph (1) shall be performed in accordance with the provisions stated in the Attachment to this Minister Regulation.

Article 4

In the use of biofuel as alternate fuel as referred to in Article - 3, business enterprises holding Oil Fuel Trading Business Permit and Direct Users of Oil Fuel are obliged to utilize there-of, and shall prioritize biofuel as alternate fuel from domestic products.

Article 5

Business enterprises performing trading business activities of biofuel as alternate fuel are obliged to:

- a. ensure the availability of biofuel as alternate fuel to meet domestic requirements continuously; and
- b. utilize and prioritize biofuel from domestic products.

Article 6

Business enterprises holding Oil Fuel Trading Business Permit and direct users of Oil Fuel as referred to in

Article 3 who perform the obligation on the utilization of Biofuel as alternate fuel continuously, and business enterprises performing trading business activities of biofuel as alternate fuel as referred to in Article - 5, may be provided with incentive in the form of either fiscal and/or non-fiscal in accordance with provisions of legislations.

Article 7

- (1) In the context of Energy Independent Village, individuals or business groups may produce and trade biofuel as alternate fuel to meet and provide biofuel as alternate fuel for the village itself.
- (2) In the production and trading of biofuel as alternate fuel in the context of Energy Independent Village as meant in paragraph (1), individuals or business groups are obliged to meet standard and quality (specification) pursuant to provisions of legislations.
- (3) In the event the individuals or business groups meant in paragraph (1) carry out trading business activities of biofuel as alternate fuel beyond the area of the Energy Independent Village, they are obliged to have Trading Business Permits of biofuel as alternate fuel.
- (4) Provisions on Energy Independent Village meant in paragraphs (1) and (2) shall be regulated in a separate Minister Regulation.

CHAPTER III

CATEGORIES OF BIOFUEL AS ALTERNATE FUEL

Article 8

In the context of utilization policy, biofuel as alternate fuel is categorized as follows:

- a. Biofuel as specific alternate fuel;
- b. Biofuel as general alternate fuel.

Article 9

- (1) Biofuel as specific alternate fuel referred to in Article - 8 letter a is biofuel used as alternate fuel with the type, standard and quality (specification), volume, and certain reference price the utilization thereof shall be mixed with certain type of Oil Fuel and/or its utilization is stipulated according to provisions of legislations.
- (2) Biofuel as general alternate fuel referred to in Article - 8 letter b is biofuel as alternate fuel where due to its condition, is no longer classified into biofuel as specific alternate fuel, and not provided with subsidy.

CHAPTER IV

STANDARD AND QUALITY (SPECIFICATION) OF
BIOFUEL AS ALTERNATE FUEL

Article 10

- (1) The Director General shall stipulate the standard and quality (specification) of biofuel as alternate fuel to be traded and circulated domestically, to the extent an obligatory Indonesia National Standard (SNI) has not yet been stipulated.
- (2) In the stipulation of the standard and quality (specification) referred to in paragraph (1), the Director General shall observe developments of technology, capability of producers, capability and needs of consumers, work safety and health, and management of the living environment.

CHAPTER V

PRICE STIPULATION

Article 11

Selling price of biofuel as alternate fuel is differentiated in two categories, i.e. Biofuel as Specific Alternate Fuel and Biofuel as General Alternate Fuel.

Article 12

Retail selling price of biofuel as general alternate fuel shall be stipulated by business enterprises based on:

- a. buying capacity of domestic consumers;
- b. continuity of supply and distribution; and
- c. level of economy with a logical margin.

CHAPTER VI

TRADING BUSINESS ACTIVITIES OF BIOFUEL
AS ALTERNATE FUEL

Article 13

Business enterprises performing trading business activities on biofuel as alternate fuel must possess a business permit for trading biofuel as alternate fuel from the Minister.

Article 14

- (1) In order to obtain the business permit for trading biofuel as alternate fuel referred to in Article - 13, a business enterprise shall submit an application to the Minister thru the Director General by attaching the following administrative and technical data.
- (2) The administrative data referred to in paragraph (1) consists of:
 - a. Deed of establishment of the business enterprise with a business coverage in the form of energy with its changes having been legalized by the authorities;
 - b. Business enterprise bio-data (Company Profile);
 - c. Taxpayer Code Number (NPWP);
 - d. Company Registration Identity (TDP);
 - e. Information letter on Business Enterprise domicile;
 - f. Written

- f. Written statement letter affixed with duty stamp on capability to meet prevailing legislations; and
 - g. Written statement letter affixed with duty stamp on readiness to be inspected in the field by the Directorate General.
- (3) The technical data referred to in paragraph (1) consists of:
- a. Source of raw material for the biofuel managed as alternate fuel;
 - b. Standard and quality (specification) data of the biofuel as alternate fuel to be commercialized;
 - c. Name and trade mark of the biofuel as alternate fuel for retail;
 - d. Information on business feasibility ;
 - e. Written statement letter affixed with duty stamp on capability to supply Other Fuel (Biofuel) as alternate fuel; and
 - f. Written statement letter affixed with duty stamp on capability to meet aspects of work safety and health, and management of the living environment.

Article 15

- (1) The Director General shall examine and evaluate the administrative and technical data of the application referred to in Article - 14 within a period of 10 (ten) work days at a maximum.
- (2) The business enterprise must complete the administrative and technical data of the application referred to in Article - 14 within a period of 10 (ten) work days at a maximum after the receipt of the application.
- (3) In the context of clarifying the administrative and technical data of the application referred to in Article - 14, the Director General may demand the business enterprise to make a presentation.

- (4) In the event the administrative data and technical data as meant in paragraph (2) are already complete and correct, for checking the conformity of the data and information on the Business Enterprise plan, it is entitled to perform an observation at the location.
- (5) The Director General must complete the examination and evaluation within a period of 10 (ten) work days at a maximum after receiving a complete and correct requirement, performance of presentation, and/or location observation.

Article 16

- (1) If the proposal referred to in Article - 14 meets requirements, the Director General on behalf of the Minister shall issue a Trading Business Permit of biofuel as alternate fuel to the business enterprise.
- (2) If the proposal referred to in Article - 14 did not meet requirements, the Director General on behalf of the Minister shall reject the proposal of the business enterprise and explain reasons of the rejection.

Article 17

- (1) Trading Business Permit of biofuel as alternate fuel referred to in Article - 13 will be issued for a term of 20 (twenty) years at a maximum.
- (2) Trading Business Permit of biofuel as alternate fuel meant in paragraph (1) that had expired may be extended by submitting a application within 60 (sixty) days at the latest prior to the expiration date of the Trading Business Permit of biofuel as alternate fuel.
- (3) Extension of Trading Business Permit of biofuel as alternate fuel meant in paragraph (2) may be issued based on company performance and annual evaluation.

Article 18

- (1) Business enterprises holding Trading Business Permit of biofuel as alternate fuel are obliged to possess and/or control facilities and means for trading business activities of biofuel as alternate fuel.
- (2) The facilities and means for trading business activities of biofuel as alternate fuel referred to in paragraph (1) cover facilities required for supply, distribution and marketing.

Article 19

In the performance of constructing the facilities and means for trading business activities of biofuel as alternate fuel, business enterprises are obliged to:

- a. use goods and equipment that meet standards in accordance with provisions of legislations;
- b. use proper technicality norms;
- c. prioritize the utilization of domestic goods, services, equipment, technology, and engineering and construction;
- d. prioritize the use of Indonesian manpower by paying attention to the utilization of local manpower pursuant to required standards of competence;
- e. assure work safety and health, and the living environment;
- f. assist in the development of the local community.

Article 20

In the performance of trading business activities on biofuel as alternate fuel, business enterprises are obliged to:

- a. ensure and shall be responsible up to distributors level / end consumers that the standard and quality of the traded biofuel as alternate fuel are in accordance with stipulated standard and quality (specification);
- b. ensure the selling price of biofuel as alternate fuel at a logical level;
- c. ensure appropriate supply facilities and means of trading business activities of biofuel as alternate fuel;
- d. ensure and shall be responsible on the use of equipment, accuracy and measurement devices meeting standards in accordance with provisions of legislations;
- e. possess and use certain name and trade mark of biofuel as alternate fuel for retail; by prioritizing the fulfillment of domestic needs;
- g. submit reports to the Director General on the performance of trading business activities of biofuel as alternate fuel including sale price of biofuel as alternate fuel once in every three (3) months or at any time if required.

Article 21

- (1) Business enterprises that are holders of Business Permit for Trading Biofuel as alternate fuel are entitled to trade biofuel as alternate fuel to end consumers.
- (2) Biofuel as alternate fuel mixed with other fuel may be traded only by business enterprises that are holders of oil fuel trading business.
- (3) In carrying out trading business activities of biofuel as alternate fuel, business enterprises that are holders of Business Permit for Trading Biofuel as alternate fuel are entitled to appoint distributors by prioritizing cooperatives, small scale business and/or national private business enterprises thru selection.

Article 22

- (1) By considering the requirements for and the fulfillment of biofuel as alternate fuel domestically, business enterprises that are holders of Business Permit for Trading Biofuel as alternate fuel are entitled to perform export and/or import of biofuel as alternate fuel.
- (2) In the event a business enterprise that is a holder of Business Permit for Trading Biofuel as alternate fuel intends to export and/or import Biofuel as alternate fuel, it must firstly receive a recommendation from the Director General.
- (3) The recommendation referred to in paragraph (2) shall be issued by observing production capacity, and guarantee on the fulfillment of domestic needs for biofuel as alternate fuel.
- (4) The recommendation referred to in paragraph (2) will be given once to business enterprises that are holders of Business Permit for Trading Biofuel as alternate fuel to perform export for a term of one (1) year.
- (5) The recommendation referred to in paragraph (2) will be given to business enterprises that are holders of Business Permit for Trading Biofuel as alternate fuel for each time an import is to be performed.
- (6) The recommendation for export/import referred to in paragraph (2) shall be issued within 10 (ten) work days at a maximum from receiving the proposal for export/import recommendation from the business enterprise that is a holder of Business Permit for Trading biofuel as alternate fuel.

Article 23

Business enterprises that are holders of Business

Permit for Trading Biofuel as alternate fuel are obliged to report the performance of the export/import referred to in Article - 22 to the Minister thru the Director General periodically or at least once a year.

Article 24

- (1) In order to meet own requirements and use, direct users of biofuel as alternate fuel are entitled to carry out supply activities and/or self-mixing biofuel as alternate fuel with oil fuel in accordance with requirements.
- (2) Direct users of biofuel as alternate fuel are prohibited to market and/or to trade biofuel as alternate fuel.
- (3) Direct users of biofuel as alternate fuel carrying out marketing and/or trading biofuel as alternate fuel will be subjected to sanctions according to provisions of legislations.

CHAPTER VII

NURTURING AND CONTROL

Article 25

In the performance of utilization of and trading business activities of biofuel as alternate fuel, the Director General exercises nurturing and control on:

- a. trading business activities of biofuel as alternate fuel;
- b. standard and quality (specification) of biofuel as alternate fuel traded by business enterprises domestically;
- c. performance of work safety and health, and the management of the living environment;
- d. execution of obligations on the utilization of biofuel as alternate fuel.

CHAPTER VIII

ADMINISTRATIVE SANCTIONS

Article 26

- (1) The Director General on behalf of the Minister will issue a written warning to a business enterprise holding a business permit for trading biofuel as alternate fuel committing any violation on either of the requirements in the Permit for Trading Business of biofuel as alternate fuel.
- (2) Within a period of 30 (thirty) days after the issuance of the written warning meant in paragraph (1), if the business enterprise holding a Business Permit for Trading Biofuel as alternate fuel still commits any violation or repeated such violation, the Director General on behalf of the Minister is entitled to postpone its trading business activities on biofuel as alternate fuel for a period of three (3) months at a maximum.
- (3) In the event a business enterprise holding a Business Permit for Trading Biofuel as alternate fuel did not obey the conditions stipulated by the Minister during the postponement period meant in paragraph (2), the Director General on behalf of the Minister is entitled to freeze its trading business activities on biofuel as alternate fuel.
- (4) After the issuance of the written warning, postponement, and freezing of activities referred to in paragraphs (1), (2), and (3), business enterprises holding Business Permit for Trading Biofuel as alternate fuel will be given a chance to annul the committed violations or to fulfill stipulated requirements within a maximum period of 60 (sixty) days from the stipulation date of the freezing.

- (5) If after the end of the 60 (sixty) days period referred to in paragraph (4), the business enterprise holding Oil Fuel Trading Business Permit did not take any efforts to abolish the violations and to fulfill stipulated obligations, the Director General on behalf of the Minister shall revoke the related Trading Business Permit of biofuel as alternate fuel.

Article 27

- (1) The Director General on behalf of the Minister shall issue a written warning to a business enterprise holding Oil Fuel Trading Business Permit not performing obligations on the use of biofuel as alternate fuel as referred to in Article - 3.
- (2) If within a period of 30 (thirty) days after the issuance of the written warning referred to in paragraph (1), the business enterprise holding Oil Fuel Trading Business Permit did not perform obligations on the use of biofuel as alternate fuel, the Director General on behalf of the Minister may postpone the oil fuel trading business activity for a maximum period of three (3) months.
- (3) In the event the business enterprise holding an Oil Fuel Trading Business Permit did not obey stipulated obligations during the postponement period referred to in paragraph (2), the Director General on behalf of the Minister is entitled to freeze the oil fuel business activities.
- (4) After the issuance of the written warning, postponement, and freezing of activities referred to in paragraphs (1), (2) and (3), the business enterprise holding Oil Fuel Trading Business Permit will be given a chance to annul committed violations or to fulfill stipulated obligations within a maximum period of 60 (sixty) days after the stipulation date of the freezing.

(5) If after the end of the 60 (sixty) days period referred to in paragraph (4), the business enterprise holding Oil Fuel Trading Business Permit did not take any efforts on the abolition of violations and fulfillment of stipulated obligations, the Director General on behalf of the Minister shall revoke the Oil Fuel Business Permit.

Article 28

Direct users of oil fuel not performing obligations on the use of biofuel as alternate fuel as referred to in Article - 3, shall be subjected to sanctions pursuant to provisions of legislations.

Article 29

- (1) The Director General on behalf of the Minister shall issue a written warning to business enterprises and individuals as business group in the context of Energy Independent Village who, in the production and trading of biofuel as alternate fuel as referred to in Article 7, did not perform obligations on work safety and health, and the management of the living environment.
- (2) If after the issuance of the written warning meant in paragraph (1), the business enterprise and individuals as business group in the context of Energy Independent Village are provided the chance to annul committed violations or to fulfill stipulated obligations within a maximum period of 60 (sixty) days from the issuance of the written warning.

(3) If after the end of the 60 (sixty) days period referred to in paragraph (2), the business enterprise and individuals as business group in the context of Energy Independent Village did not take any efforts to annul the violations or to fulfill stipulated obligations, the Director General on behalf of the Minister shall freeze the business activity of the concerned.

Article 30

In the event it is known that a business enterprise submitted the administrative and technical data referred to in Article - 14 incorrectly, the Director General on behalf of the Minister shall revoke the Trading Business Permit of biofuel as alternate fuel concerned.

Article 31

All losses arising due to the issuance of the written warning, postponement, freezing and revocation of Oil Fuel Trading Business Permit or Trading Business Permit on biofuel as alternate fuel referred to in Articles 26 and 27 shall be borne by the business enterprise concerned.

Article 32

All losses arising due to the issuance of written warning and freezing business activities of business enterprises and individuals as business groups in the framework of Energy Independent Village as referred to in Article 29 shall be borne by the business enterprise and individuals concerned.

CHAPTER IX

TRANSITIONAL PROVISIONS

Article 33

Trading Business Permits for trading biofuel as alternate fuel that had been issued to business enterprises prior to the stipulation of this Minister Regulation remain in effect and deemed as having met provisions of this Minister Regulation.

Article 34

- (1) Thru technical and economy considerations, business enterprises holding Oil Fuel Trading Business Permit and direct users of oil fuel may submit proposals on adjustments to the phasing of obligations referred to in Article - 3 to the Director General.
- (2) The Director General is authorized to make adjustments to the phasing of obligations referred to in paragraph (1) within a period of three (3) months at the latest after the stipulation of this Minister Regulation.

CHAPTER X

CLOSING PROVISIONS

Article 35

- (1) The Minister may delegate authority to Governors concerning the issuance of permits, nurturing, and control of Trading Business of Biofuel as alternate fuel, at a supply capacity of more than 5.000 (five thousand) up to 10.000 (ten thousand) tons annually.
- (2) The Minister may delegate authority to Regents or Mayors concerning the issuance of permits, nurturing, and control of Trading Business of Biofuel as alternate fuel at a supply capacity of up to 5.000 (five thousand) tons annually.

(3) Governors and Regents or Mayors in executing the issuance of permit, nurturing, and control of Trading Business of Biofuel as alternate fuel referred to in paragraphs (1) and (2) are obliged to refer to provisions of this Minister Regulation.

(4) Governors and Regents or Mayors are obliged to submit reports to the Minister on the performance of the issuance of permits, nurturing, and control of Trading Business of Biofuel as alternate fuel as referred to in paragraphs (1) and (2) every six (6) months and/or at any time if required.

Article 36

By the time this Minister Regulation commences to come to effect, Regulation of the Minister of Energy and Mineral Resources No. 051 Year 2006 concerning Terms and Guidelines on Trading Business Permit of Biofuel as alternate fuel, shall be revoked and declared as not effective.

Article 37

This Minister Regulation commences to come to effect from the date of stipulation.

Stipulated in Jakarta

On September 26, 2008

THE MINISTER OF ENERGY AND MINERAL RESOURCES,

sgd.

PURNOMO YUSGIANTORO

ATTACHMENT: TO BIO-FUEL**PHASING OF OBLIGATIONS ON MINIMUM UTILIZATION OF BIODIESEL (B100)**

Sector Type	Oct 2008 thru Dec 2008 (%)	Jan 2009 (%)	Jan. 2010 (%)	Jan. 2015** (%)	Jan. 2020** (%)	Jan. 2025** (%)	Comments
Household	-	-	-	-	-	-	Currently not stipulated
PSO Transportation	100	1	2.5	5	10	20	Against total need
Non-PSO Transportation		1	3	-	10	20	Against total need
Industries and Commercials	2.5	2.5	5	10	15	20	Against total need
Electric Generator	0.1	0.25	1	10	15	20	Against total need

** Specification shall be adjusted to global specification and domestic interests

PHASING OF OBLIGATIONS ON MINIMUM UTILIZATION OF BIOETHANOL (E100)

Sector Type	Oct 2008 thru Dec 2008 (%)	Jan 2009 (%)	Jan. 2010 (%)	Jan. 2015** (%)	Jan. 2020** (%)	Jan. 2025** (%)	Comments
Household	-	-	-	-	-	-	Currently not stipulated
PSO Transportation	3 (existing)	1	3	5	10	15	Against total need
Non-PSO Transportation	5 (existing)	5	7	10	12	15	Against total need
Industries and Commercials	existing	5	7	10	12	15	Against total need
Electric Generator	-	-	-	-	-	-	Currently not stipulated

** Specification shall be adjusted to global specification and domestic interests

PHASING OF OBLIGATIONS ON MINIMUM UTILIZATION OF PURE BIOFUEL (0100)

Sector Type	Oct 2008 thru Dec 2008 (%)	Jan 2009 (%)	Jan. 2010 (%)	Jan. 2015** (%)	Jan. 2020** (%)	Jan. 2025** (%)	Comments
Household	-	-	-	-	-	-	Currently not stipulated
Industries and Industry							
Transportation			1	3	5	10	Against total need
(Low and Medium							
Speed Marine Engine)	-	-	1	3	5	10	Against total need
Electric Generator		0.25	1	5	7	10	Against total need

** Specification shall be adjusted to global specification and domestic interests

THE MINISTER OF ENERGY AND MINERAL RESOURCES

sgd.

PURNOMO YUSGIANTORO

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