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ENVIRONMENTAL  
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**DECREE OF THE STATE MINISTER OF ENVIRONMENTAL AFFAIRS  
NO. 3/2000 DATED FEBRUARY 21, 2000**

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**TYPES OF BUSINESSES AND/OR ACTIVITIES FOR WHICH AN ANALYSIS  
ON ENVIRONMENTAL IMPACTS IS COMPULSORY**

**THE STATE MINISTER OF ENVIRONMENTAL AFFAIRS**

**Considering :** that to implement Government Regulation No. 27/1999 on the analysis on environmental impacts it is necessary to stipulate a decree of the State Minister of Environmental Impacts on the types of business and/or activities for which an analysis of environmental impacts shall be compulsory.

**Bearing in mind :**

1. Act No. 5/1990 on the conservation of biological natural resources and their ecosystem (State Gazette No. 49/1990; Supplement to State Gazette No. 3419);
2. Act No. 24/1992 on spatial layout designing (State Gazette No. 115/1992; Supplement to State Gazette No. 3501);
3. Act No. 23/1997 on environmental management (State Gazette No. 68/1997, Supplement to State Gazette No. 3699);
4. Act No. 22/1999 on regional administration (State Gazette No. 60/1999; Supplement to State Gazette No. 3839);
5. Government Regulation No. 27/1999 on an analysis of environmental impacts (State Gazette No. 59/1999; Supplement to State Gazette No. 3838);
6. Presidential Decree No. 355/M/1999 on the United Development Cabinet.

**HAS DECIDED:**

**To stipulate :** **THE DECREE OF THE STATE MINISTER OF ENVIRONMENTAL AFFAIRS ON THE TYPES OF BUSINESS AND/OR ACTIVITIES FOR WHICH AN ANALYSIS OF ENVIRONMENTAL IMPACTS IS COMPULSORY.**

**FIRSTLY :** The types of businesses and/or activities for which an analysis of environmental impacts is compulsory shall be as referred to in the attachment to this decree.

**SECONDLY :** If government agencies in charge of businesses and/or activities and/or provincial/regency/municipality administrations and/or the community deem

it necessary to propose the types of businesses and/or activities not set forth in the attachment to this decree, those concerned shall be obligated to submit a written proposal to the State Minister of Environmental Affairs.

- THIRDLY** : The State Minister of Environmental Affairs will make a decision on the proposal as referred to in the second dictum.
- FOURTHLY** : The types of businesses and/or activities for which an analysis of environmental impact is compulsory as referred to in the attachment to this decree shall be reviewed at least once in 5 (five) years.
- FIFTHLY** : With the enforcement effectively of this decree, Decree of the State Minister of Environmental Affairs No. Kep-39/MENLH/11/1996 on the types of businesses or activities for which an analysis of environmental impact is compulsory shall be declared null and void.
- SIXTHLY** : This decree shall take effect as from November 7, 2000.

Stipulated in Jakarta  
On February 21, 2000

STATE MINISTER OF ENVIRONMENTAL AFFAIRS

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DR. A. SONNY KERAF

ATTACHMENT

DECREE OF THE STATE MINISTER OF ENVIRONMENTAL AFFAIRS  
NUMBER ; 3 YEAR 2000 ; DATED; FEBRUARY 21, 2000

NO.	TYPES OF BUSINESS/ACTIVITY PLAN	SIZE
I.	Mines and Energy Area	
	A. GENERAL MINING	
	1. Area for which license is given. Area of open land for mining	$\geq 5000$ Ha and or $\geq 100$ Ha (cumulative/year * and or
	2. Production exploitation stage :	$\geq 1,200,000$ tons /years (*
	a) Coal/peat	ROM)**
	b) Primary ores	$\geq 1,000,000$ tons/ years
	c) Secondary ores/Alluvia Sediment	(ROM)
	d) Non-metal minerals or C-category minerals.	$\geq 1,200,000$ tons/ years
	e) Radioactive minerals, including processing, mining and refining.	(ROM)
	f) Lead minerals, including processing, mining and refining.	All sizes
	3. Offshore mining.	All sizes
	4. Submarine Tailing Disposal	All sizes
	5. Are processing through cyanidization.	All sizes
	* To avoid too extensive land opening.	
	** Raw Of Material.	
	B. ELECTRICAL POWER	
	1. Transmission	$\geq 150$ KV
	2. Diesel-powered/gas-powered/steam- powered/gas- and-steam-powered power generating plants (PLTD/PLTG.PLTU/PLTGU)	$\geq 100$ MW
	3. Hydro-powered power generating plants (PLTA) with the height of the dam being.	$\geq 15$ m or
	4. PLTP.	$\geq 200$ Ha
	5. Nuclear-powered power generating plants.	$\geq 55$ MW
	6. Electrical power centers and other types.	All size
	C.NATURAL OIL AND GAS	$\geq 5$ MW
	1. Oil and gas exploitations and overland production development.	Oil field $\geq 5,000$ BOPD
	2. Oil and gas exploitations and offshore production development.	Gas field $\geq 30$ MMSCFD
		Oil field $\geq 15,000$
		Gas field $\geq 90$ MMSCFD

NO.	TYPES OF BUSINESS/ACTIVITY PLAN	SIZE
	3. Oil and gas transmission (excluding piping in the field). 4. LNG/LPG Oil refineries (including auxiliary facilities). 5. Oil refinery for used lubrication (including auxiliary facilities) <b>D. GEOLOGY OF ENVIRONMENTAL SYSTEM.</b> 1. Collection of underground water (shallow-land wells or deep wells). <b>INDUSTRY AND TRADE AREAS</b>	Overland and offshore $\geq$ 100 km Diameter of the pipe $\geq$ 20 inches. Capacity of $\geq$ 50 MMSCFD  Capacity of $\geq$ 10,000 tons/year.  > 50 million/second (from 1 wells and 5 wells in an area of < 10 Ha for commercial purposes.
II.	1. Cement industry (produced through production of kinker). 2. Pulp industry or paper industry integrated with pulp industry.  3. Upstream petrochemicals. 4. Iron-and-steel-making industry, encompassing the making of iron and steel in basic form such as iron-ore pellets, sponge iron, pig iron, alloy, steel ingots, steel pallets, steel bloom and slab steel). 5. Basic lead-making industry. 6. Basic copper (Cu) making/copper cathodes. 7. Basic aluminum -making industry. 8. Industry estates.	All sizes  All sizes (not including pulp from used paper and pulp from cultural paper industry).  All sizes.  All sizes.   All sizes (including recycling industry). All sizes (Cu concentrate and used as raw material). All sizes (the raw material is alumina) All sizes (including integrated industrial compounds).

NO.	TYPES OF BUSINESS/ACTIVITY PLAN	SIZES
	9. Dockyard industry under the graving dock system. 10. Aircraft manufacturer.  11. Industry making weapons, munition and explosives. 12. Dry battery industry  13. Wet battery industry (electrical accumulator)  14. Relatively concentrated trade/shopping.  15. Miscellaneous industry activities.	$\geq$ 4,000 DWT All sizes  All sizes  All sizes (using HG as the raw material)  Capacity $\geq$ 100,000 units/year.  Area $\geq$ 5 ha or the area of the building being 20,00 m <sup>2</sup>  Use of area: -Urban : Metropolitan $\geq$ 10ha. Big cities $\geq$ 20 ha. Small towns $\geq$ 30 ha. -Rural $\geq$ 50 ha.
III	RE-SETTLEMENT AREA 1. Plan for development activities in resettled areas.  <u>Remarks :</u> General Resettlement Type (TU), Assisted Self-Initiated Resettlement (TSB) and Independent Self-Initiated Resettlement (TSM) for all patterns of basic undertakings to be developed.	Scope: * SKP * Area $\geq$ 4,500 ha
IV	TOURISM AND ARTS AREAS. 1. Recreational parks. 2. Tourist areas.	
V	COMMUNICATIONS AREA 1. Railway-line network 2. Construction of stations. 3. Construction of underground railways. 4. Dredging of river lane for sailing  5. Harbors with one of the following facilities :	$\geq$ 100 ha All sizes.  Length = 25 Km. Large category and/or category I stations All sizes.  $\geq$ 500.000 m <sup>2</sup>

NO.	TYPES OF BUSINESS/ACTIVITY PLAN	SIZE
	<ul style="list-style-type: none"> <li>a. a pier</li> <li>b. a breakwater</li> <li>c. harbor's supporting infrastructure (terminals, warehouses, containers and so forth)</li> <li>d. single moorning buoy.</li> </ul>	<p><math>\geq</math> 200 m long or <math>\geq</math> 6,000 m<sup>2</sup> in area with massive construction.</p> <p><math>\geq</math> 200 m long.</p> <p><math>\geq</math> 5 ha in area</p> <p>For vessels weighing <math>\geq</math> 10,000 DWT.</p>
6.	<p>Dredging :</p> <ul style="list-style-type: none"> <li>a. Capital dredging</li> <li>b. Maintenance dredging.</li> </ul>	<p>Volume of <math>\geq</math> 250.000 m<sup>3</sup></p> <p>Volume of <math>\geq</math> 500.000 m<sup>3</sup></p> <p><math>\geq</math> 25 ha in area or <math>\geq</math> 5,000,000 m<sup>3</sup> in volume</p>
7.	Reclamation (land filling).	$\geq$ 250,000 m <sup>3</sup> in volume.
8.	Activities for dumping of dredging outcome.	All sizes (Classes I up to V) and the result of a study of the master plan already approved.
9.	Construction of new airports and their facilities.	Classes I, II, III, on the basis of a development plan (master plan, spatial layout plan, etc.
10.	Development of airports and their facilities.	Moving $\geq$ 500 families or appropriating land measuring $\geq$ 100 ha, reclaiming coastal area of $\geq$ 25 ha or $\geq$ 10,000 m <sup>3</sup> in volume, Cutting off hills and encircling the land for an airport with a volume of 500,000 m <sup>3</sup> .
11.	Expansion of large airports and/or their facilities.	

NO.	TYPES OF BUSINESS/ACTIVITY PLAN	SIZE
	13. Dredging fishery harbor pool and or deep sailing lanes within the working sphere of a fishery harbor, and fulfilling the following criteria: - dredging volume - depth of dredging.	$\geq$ 500,000 m <sup>3</sup> ; or $\geq$ -4 M LWS
	13. Dredging/reclamation of coastal area within the working sphere of a fishery harbor.	$\geq$ 25 ha in area
VI	DEFENSE AND SECURITY AREA  1. Construction of warehouse of central munition warehouse and regional munition warehouses.  2. Construction of naval bases 3. Construction of air bases. 4. War Exercise Center. 5. Shooting grounds for the army, the navy, the air force and the Indonesian Police.	All sizes Classes A and B Classes A and B $\geq$ 10,000 ha in area $\geq$ 10,000 ha in area
VII	NUCLEAR DEVELOPMENT AREA 1. Establishment and operating nuclear reactors : - capacity reactor (Nuclear-Powered Power Generating Plant). - research reactors.  2. Construction and operation of non-reactor nuclear installations. - production of nuclear fuel.  - uranium processing and refining  - processing of radioactive waste. - Indicator (Categories II up to IV)  - Radio-isotope production.	All installations.  Power of $\geq$ 100 kw.  Production $\geq$ 50 tons of combustible materials/year.  Production $\geq$ 100 tons of yellow cake/year  All installations.  Resource activities $\geq$ 37,000 TBq (100,000 CI).  All installations.

NO.	TYPES OF BUSINESS/ACTIVITY PLAN	SIZE
VIII	<p>AGRICULTURAL AREA</p> <ol style="list-style-type: none"> <li>1. Rice field establishment in a forest area.</li> <li>2. Cultivation of food crops and seasonal horticulture with or without the processing unit.</li> <li>3. Cultivation of food crops and annual horticulture with or without the processing unit.</li> <li>4. Cultivation of shrimp/fish-breeding ponds with or without the processing unit.</li> <li>5. Plan for the construction of fishery infrastructure in the form of fishery harbors located outside the working sphere of general harbors and fulfilling the following criteria : <ul style="list-style-type: none"> <li>- length of pier</li> <li>- having an area for fishery industry.</li> <li>- the depth of the water in the pier.</li> </ul> </li> </ol>	<p>≥ 1,500 ha in area</p> <p>≤ 10,000 ha in area</p> <p>≥ 10,000 ha in area</p> <p>&gt; 50 ha in area</p> <p>≥ 300 m; or ≥ 10 ha in area, or</p> <p>≥ -4 m LWS</p>
IX	<p>FORESTRY AND PLANTATION AREA</p> <ol style="list-style-type: none"> <li>1. Types of activities of development of forestry and plantations for which the analysis of environmental impacts is compulsory, are made up of : <ol style="list-style-type: none"> <li>a. forest exploitation (HPH).</li> <li>b. sago forest exploitation (Sago HPH).</li> <li>c. bamboo forest exploitation (Bamboo HPH).</li> <li>d. timber estate exploitation.</li> <li>e. cultivation of seasonal plantation crops with or without the processing unit</li> <li>f. cultivation of annual plantation plants with or without the processing unit.</li> </ol> </li> </ol>	<p>All extents</p> <p>All extents</p> <p>All extents</p> <p>≥ 10,000 ha or 10,000 ha with the location, however, bordering with protected areas.</p> <p>≥ 4,500 ha in area</p> <p>≥ 10,000 ha in area</p>

NO.	TYPES OF BUSINESS/ACTIVITY PLAN	SIZE
X	<p>PUBLIC WORKS AREA</p> <p>1. Construction of dam or reservoirs or other types of structure that may collect water :</p> <ul style="list-style-type: none"> <li>- height</li> <li>- or extent of the pool</li> </ul> <p>2. Irrigation areas.</p> <ul style="list-style-type: none"> <li>a. new construction with an area of.</li> <li>b. promotion with additional extent.</li> <li>c. establishment of outer rice fields (per groups).</li> </ul> <p>3. Swamp development. Swamp reclamation.</p> <p>4. Construction of coastal breakwaters and improvement of river estuary with the length being calculated from a line perpendicular to the coastal line.</p> <p>5. Normalization of river and the construction of flood canals.</p> <ul style="list-style-type: none"> <li>a. Metropolitan city. <ul style="list-style-type: none"> <li>- length</li> <li>- or, extent</li> </ul> </li> <li>b. Medium-sized city, length</li> <li>c. Rural areas, length.</li> <li>d. Volume of river dredging and dumping activities.</li> </ul> <p>6. <ul style="list-style-type: none"> <li>a. Construction of toll roads</li> <li>b. Construction of flyovers and subways.</li> </ul> </p> <p>7. Construction and/or improvement of roads by broadening areas outside those belonging to the roads.</p> <ul style="list-style-type: none"> <li>a. metropolitan cities. <ul style="list-style-type: none"> <li>- length.</li> <li>- or area.</li> </ul> </li> <li>b. medium-sized cities <ul style="list-style-type: none"> <li>- length.</li> <li>- or area.</li> </ul> </li> <li>c. rural areas, length</li> </ul>	<ul style="list-style-type: none"> <li><math>\geq 15</math> m</li> <li><math>\geq 200</math> ha</li> <li><math>\geq 2,000</math> ha</li> <li><math>\geq 1,000</math> ha</li> <li><math>\geq 500</math> m</li> <li><math>\geq 2,000</math> ha</li> <li><math>\geq 500</math> m</li> <li><math>\geq 10</math> Km</li> <li><math>\geq 5</math> ha or</li> <li><math>\geq 15</math> Km or</li> <li><math>\geq 20</math> Km or</li> <li><math>\geq 500,000</math> m<sup>3</sup></li> <li>All sizes</li> <li>2 Km</li> <li><math>\geq 10</math> km</li> <li><math>\geq 10</math> ha</li> <li><math>\geq 30</math> km</li> <li><math>\geq 15</math> ha</li> <li><math>\geq 50</math> km</li> </ul>

NO.	TYPES OF BUSINESS/ACTIVITIES PLAN	SIZE
8.	Garbage	
	a. Dumping by means of controlled landfill/sanitary landfill, area of landfill.	≥ 40 Ha
	b. Final dumping site in tidal, area of landfill.	≥ 25 Ha
	c. Construction of transfer station with a capacity of	≥ 1,000 tons/day
9.	Construction of houses/residential areas	
	a. medium -sized cities and small towns, area.	≥ 200 ha
	b. large cities, area.	≥ 100 ha
	c. metropolitan cities, area	≥ 50 ha
10.a.	IPLT and/or IPAL with the area of pool being.	≥ 3 ha
	b. construction piping system for waste water, service area being.	≥ 500 ha
11.	Residential drainage.	
	a. Construction of drains in large/ metropolitan cities,	
	- width	≥ 5 km
	- or length	≥ 10 km
	b. Construction of drains in medium-sized cities.	
	- width	≥ 10 km
	- or length	≥ 15 km
12.	Clean water in large/metropoliran cities:	
	a. Construction of distribution networks, area of service.	≥ 1,500 ha
	b. construction of transmission networks, length.	≥ 25 km
13.	Collection of water from lakes, rivers, springs or other water sources.	
	- debit of collection.	≥ 500 liters/second
	CONTROL AREA	
	Hazardous and Toxic Materials	
1.	Collection, utilization, processing and/or land-filling of the waste of hazardous and toxic materials (B3) as main activities	All activities which are in the nature of providing services to and which are commercial and permanent in nature as well as managing various kinds B? waste (not including small-scale activities like the collection of used lubricant, foul oil and slop oil as well as the utilization of tin and flux solder.

State Minister of Environmental Affairs

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DR. A. SONNY KERAF  
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