

## ***TYPE AND SIZE OF PROJECTS OR ACTIVITIES REQUIRING ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REPORTS***

Item	Type of Projects or Activities	Size
1.	<p>Mining as defined by the Mineral Act.</p> <p>1.1 Mining Project :</p> <p>1.1.1 Coal Mining</p> <p>1.1.2 Potass Mining</p> <p>1.1.3 Stonesalt Mining</p> <p>1.1.4 Limestone Mining for cement industry</p> <p>1.1.5 Metal Mining</p> <p>1.2 Underground Mining Project</p> <p>1.3 All Mining Projects locating in the following areas :</p> <p>1.3.1 Watershed area classified as Class 1 by the Cabinet Resolution</p> <p>1.3.2 Additional Conserved Forest by the Cabinet Resolution</p> <p>1.3.3 Watershed area for internationalization</p> <p>1.3.4 Areas near historic sites, archaic place, historical park, and places of world heritage within 2 km distance.</p> <p>1.4 Mining Project using explosives</p> <p>1.5 Other mining projects by the Mineral Act, except those specified in 1.1, 1.2, 1.3 and 1.4.</p>	<p>All sizes.</p> <p>All sizes.</p> <p>All sizes.</p> <p>All sizes.</p> <p>All sizes.</p> <p>All sizes.</p> <p>All sizes.</p> <p>All sizes.</p> <p>All sizes.</p> <p>All sizes.</p> <p>All sizes.</p> <p>All sizes.</p> <p>All sizes.</p> <p>All sizes.</p> <p>All sizes.</p>
2.	<p>Petroleum development</p> <p>2.1 Petroleum exploration using drill method</p> <p>2.2 Petroleum production</p>	<p>All sizes.</p> <p>All sizes.</p>
3.	Petroleum and gasoline transportation via pipeline	All sizes.
4.	Industrial Estate as defined by the Industrial Estate Act, or projects similar to industrial estate, or land allocation for industries.	All sizes.
5.	Petrochemical industry	Production capacity of 100 tons/day or more.
6.	Oil refinery	All sizes.
7.	Natural gas separation or processing	All sizes.
8.	Chlor-alkaline industry using NaCl as raw material for production of Na <sub>2</sub> CO <sub>3</sub> , NaOH, HCl, NaOCl and bleaching powder	Production capacity of each product or total products of 100 tons/day or more.
9.	Cement industry	All sizes.
10.	Pulp industry	Production capacity 50 tons/day or more.

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11.	Pesticide production industry by chemical process	All sizes.
12.	Chemical fertilizer production industry by chemical process	All sizes.
13.	Sugar industry 13.1 Production of sugar, refined sugar 13.2 Production of glucose, dextrose, fructose or other similar products	All sizes. 20 tons/day or more.
14.	Iron or steel industry	Production capacity of each project / activity or all projects / all activities of 100 tons per day or more.
15.	Non-metal smelting industry	Production capacity of 50 tons/day or more.
16.	Alcohol, liquor industry including beer and wine 16.1 Alcohol, liquor industry 16.2 Wine industry 16.3 Beer industry	Production capacity of 40,000 litres/month (at 28 degrees) Production capacity of 600,000 litres/month Production capacity of 600,000 litres/month
17.	Treatment of garbages or unused materials as defined by the Factory Act.	All sizes.
18.	Thermal power plant	Capacity of 10 MW or more.
19.	Mass transit system and expressway as defined by the Mass Transit System and Expressway Act or similar projects.	All sizes.
20.	Highway or road as defined by Highway Act passing through the following area : 20.1 Wildlife sanctuary and wildlife non-hunting area as defined by Wildlife Conservation and Protection Act. 20.2 National park area as defined by National Park Act. 20.3 Watershed class 2 area as approved by the Cabinet 20.4 Mangrove forests designated as national forest reserve. 20.5 Coastal area within 50 metre distance far from the maximum sea level.	All sizes.

Item	Type of Projects or Activities	Size
	20.6 Areas in or adjacent to watershed area for internationalization or world heritage area within 2 km distance. 20.7 Areas locating near historical site, archaeological place, historic place or historical park as defined in the Historical Site, Antique, Art Object and National Museum Act within 2 km distance.	
21.	Railway mass transit system	All sizes.
22.	Harbour	For vessels of 500 ton-gross or more, or harbour length of 100 m. or more, or total harbour area of 1,000 square meters or more.
23.	Cruiser Harbour	For 50 vessels, or 1,000 square meter area or more.
24.	Coastal reclamation	All sizes.
25.	Building construction or expansion in the sea 25.1 Groin for sand trap, jetty, Groin for water current control. 25.2 Detached breakwater.	All sizes. All sizes.
26.	Air transport system project 26.1 Construction or expansion of airport, or temporary runway for commercial. 26.2 Water Airport	Runway of 1,100 meters long or more. All sizes.
27.	Building as defined by Building Control Act of which location or use is as follows : 27.1 Building locating at riverside, coast, lake or beach or in the national park or historical park which may affect the environmental quality. 27.2 Building for retail trade or wholesaling. 27.3 Building for offices.	Height of 23 meters or more; or total area of all floors or any floor in the same building being 10,000 square meters or more. Height of 23 meters or more; or total area of all floors or any floor in the same building being 10,000 square meters or more. Height of 23 meters or more; or total area of all floors or any floor in the same building being 10,000 square meters or more.
28.	Land allocation for residence or commerce as defined by Land Allocation Act.	Number of land plots of 500 plots or more; or total land area of more than 100 rais.
29.	Hospital or nursing home as defined, which is located in the following : 29.1 In the areas adjacent to rivers, coastal areas, lakes or beaches within 50 meter distance. 29.2 In other areas.	30 beds or more. 60 beds or more.

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30.	Hotel or resort as defined.	80 rooms or more; or total used area of more than 4,000 square meters.
31.	Condominium as defined by Building Control Act.	80 rooms or more
32.	Irrigation	Irrigation area of 80,000 rais (12,800 hectares) or more.
33.	All projects in watershed area classified as 1B by the Cabinet Resolution	All sizes.
34.	Transbasin diversion as follows : 34.1 Trans diversion of main basin except disastrous case or impact on the national security which is temporary operation. 34.2 Water Diversion across countries except disastrous case or impact on the national security which is temporary operation.	All sizes  All sizes
35.	Spillway on the main rivers.	All sizes

**Source :** Notification of Ministry of Natural Resources and Environment dated April 24, B.E.2555 (2012), which was published in the Royal Government Gazette, Vol.129, Special Part 97D dated June 20, B.E.2555 (2012).

- : Notification of Ministry of Natural Resources and Environment No.2, B.E.2556 (2013) dated February 6, B.E.2556 (2013), which was published in the Royal Government Gazette, Vol.130, Special Part 37D dated March 22, B.E.2556 (2013).
- : Notification of Ministry of Natural Resources and Environment No.3, B.E.2556 (2013) dated November 11, B.E.2556 (2013), which was published in the Royal Government Gazette, Vol.130, Special Part 185D dated December 20, B.E.2556 (2013).

**TYPE AND SIZE OF PROJECT OR ACTIVITY WHICH MAY SERIOUSLY AFFECT COMMUNITY WITH RESPECT TO QUALITY OF ENVIRONMENT, NATURAL RESOURCES, AND HEALTH REQUIRING ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REPORT PREPARATION**

Item	Type of Projects or Activities	Size
1.	Reclamation of sea or lake outside the existing coastal zone except for beach restoration.	300 rai or more
2.	Mining as defined by the Mineral Act: 2.1 Underground mine specifically designed for structure collapse after mining without bracing and without compensation to restore the material to prevent collapse. 2.2 Lead mine, zinc mine or other metal mine using Cyanide or mercury nitrate, or lead nitrate in the process; or other metal mine having arsenopyrite as associated mineral 2.3 Coal mine only with the transport of coal outside the project area by motor vehicles. 2.4 Sea mine	All sizes.  All sizes.  200,000 tons/month or from 2,400,000 tons/yeare, or more.  All sizes.
3.	Industrial Estate as defined by the Industrial Estate Act, or project similar to industrial estate 3.1 Industrial estates or project similar to industrial estate established for petrochemical industry according to 4, or Iron smelting industry according to 5.1 or 5.2 of more than 1 factory. 3.2 Industrial estate or project similar to industrial estate of which expansion area is for petrochemical industry according to 4 or Iron smelting industry according to 5.1 or 5.2.	All sizes.  All sizes.
4.	Petrochemical industry 4.1 Upstream petrochemical industry  4.2 Intermediate petrochemical industry 4.2.1 Manufacturing or using chemicals which are group 1 carcinogen.  4.2.2 Manufacturing or using chemicals which are group 2A carcinogen.	All sizes, or production capacity expansion of 35% of the existing capacity, or more.  Production capacity of 100 tons/day or more, or total expansion capacity of 100 tons/day or more.  Production capacity of 700 tons/day or more, or total expansion capacity of 700 tons/day or more.

Item	Type of Projects or Activities	Size
5.	Mineral or metal smelting industry 5.1 Iron ore smelting industry  5.2 Iron ore smelting industry including coke production or sintering process. 5.3 Smelting industry of copper, gold or Zinc ore.  5.4 Lead smelting industry. 5.5 Metal smelting industry (except iron and aluminum) 5.6 Lead smelting industry	Mineral input of 5,000 tons/day or more. All sizes.  Mineral input of 1,000 tons/day or more, or total input of 1,000 tons/day or more. All sizes. Production capacity of 50 tons/day or more. Production capacity of 10 tons/day or more.
6.	Production, treatment or stabilization of radioactive substances.	All sizes.
7.	Central waste treatment plant or plant relating to landfilling of garbages or unused materials as defined by Burning or landfilling hazardous wastes act , and Factory Act, except incineration in cement kiln, using hazardous wastes as alternative raw materials or supplementary fuel.	All sizes.
8.	Air transport system project	Construction, expansion of runway of 3,000 meters or more.
9.	Harbors	<ul style="list-style-type: none"> <li>- Berth length of 300 meters or more, or harbor area of 10,000 square meters or more, except passenger harbors for villagers' routine use and tourism.</li> <li>- Digging watercourse of 100,000 cubic meters or more.</li> <li>- Transport of 25,000 tons/month of hazardous substances or hazardous wastes which are group 1 carcinogen or more, or 250,000 tons/year or more.</li> </ul>
10.	Dam or reservoir	<ul style="list-style-type: none"> <li>- Water catchment volume of 100 million cubic meters or more, or</li> <li>- Water catchment area of 15 square kilometers or more.</li> </ul>

Item	Type of Projects or Activities	Size
11.	Thermal power plant 11.1 Coal power plant  11.2 Biomass power plant  11.3 Natural gas power plant which is combined cycle or cogeneration thermal power plant. 11.4 Nuclear power plant	Generating capacity of 100 megawatts or more.  Generating capacity of 150 megawatts or more.  Generating capacity of 3,000 megawatts or more.  All sizes.

- Source :** Notification of Ministry of Natural Resources and Environment dated August 31, B.E.2553 (2010), which was published in the Royal Government Gazette, Vol.127, Special Part 104D dated August 31, B.E.2553 (2010).
- : Notification of Ministry of Natural Resources and Environment No.2, B.E.2553 (2010) dated November 19, B.E.2553 (2010), which was published in the Royal Government Gazette, Vol.127, Special Part 137D dated November 29, B.E.2553 (2010).