

(Unofficial Translation)

Announcement of the Board of Investment

No. 18/2565

Investment Promotion Measure in the Economic Corridor

Subsequent to the Announcement of the Board of Investment No. 8/2565 dated December 8, 2022 regarding Policies and Criteria for Investment Promotion, and the Announcement of the Board of Investment No. 9/2565 dated December 8, 2022 regarding Measures to Promote Investment in Industries that are important to the Country's Development;

In order to promote investment in the targeted industry clusters in the Economic Corridor and to encourage the private sector to take part in human resource development including research and development of technology and innovation, by virtue of Sections 16, Section 18, Section 31, Section 31/1, and Section 35 of the Investment Promotion Act B.E. 2520 (1977), the Board of Investment hereby issues the following announcement:

1. The Economic Corridor comprising the provinces in Economic Corridor specified by the National Committee on the Development of Special Economic Zones as the investment promotion zones.

- (1) The Northern Economic Corridor (NEC-Creative LANNA) covers Chiang Mai, Chiang Rai, Lamphun, and Lampang.
- (2) The Northeastern Economic Corridor (NeEC-Bioeconomy) covers Nakhon Ratchasima, Khon Kaen, Udon Thani, and Nong Khai.
- (3) The Central- Western Economic Corridor (CWEC) covers Ayutthaya, Nakhon Pathom, Suphan Buri, and Kanchanaburi.
- (4) The Southern Economic Corridor (SEC) covers Chumphon, Ranong, Surat Thani, and Nakhon Si Thammarat.

2. Targeted industry clusters in the Economic Corridor are as follows:

- (1) The Northern Economic Corridor: focuses on the agriculture and food industry, digital industry, creative industry, and tourism and wellness tourism industry.

- (2) The Northeastern Economic Corridor: focuses on the agriculture and food industry, and bio-based industry.
- (3) The Central-Western Economic Corridor: focuses on the agriculture and food industry, and electrical appliances and electronics industry.
- (4) The Southern Economic Corridor: focuses on the agriculture and food industry, bio-based industry, and tourism and wellness tourism industry.

3. Targeted activities in the targeted industry clusters for the Economic Corridor consist of activities in the agriculture and food industry, bio-based industry, electrical appliances and electronics industry, digital industry, creative industry, and tourism and wellness tourism industry which are in Group A1+, A1, A2, A3, and A4. There is an exception to the activities with specific policies that shall not be entitled to the incentives under this measure as stipulated by the Office, e.g. the activities having no permanent location, and the activities having mandatory conditions on the permanent location which is not situated in the provinces in the Economic Corridor, etc. Targeted activities are specified in the list of activities attached to this announcement.

4. Rights and incentives, and conditions for the targeted activities under Item 3 shall be as follows:

4.1 In case projects take part in development under Item 4.1.1 and 4.1.2, they shall be entitled to either of additional rights and incentives as follows:

4.1.1 In case of human resource development

Incentives

- (1) The activities in Group A1+ shall be entitled to 2 additional years of corporate income tax exemption.
- (2) The activities in Group A1, A2, A3, and A4 shall be entitled to 50 percent reduction from the normal rate of corporate income tax on the net profits derived from the investment for a period of 3 years after the corporate income tax exemption period expires.

Conditions

Must collaborate with educational institution in the specified forms including the Work-integrated Learning (WIL), cooperative education and dual vocational training program, or collaboration in developing Thai personnel as approved by the Board of Investment. The collaboration plan of students or

university students admission to vocational training shall be submitted, and the number of students or university students admitted to vocational training shall not be less than 10 percent of the total number of employees in the projects applying for investment promotion or shall not be less than 40 persons, whichever is lower.

4.1.2 In case of research and development of technology and innovation

Incentives

- (1) The activities in Group A1+ shall be entitled to 2 additional years of corporate income tax exemption.
- (2) The activities in Group A1, A2, A3, and A4 shall be entitled to 50 percent reduction from the normal rate of corporate income tax on the net profits derived from the investment for a period of 3 years after the corporate income tax exemption period expires.

Conditions

Must have the investment capital or expenditure on research and development of technology and innovation, including in- house research and development, outsourced research and development in Thailand or joint research and development with overseas organizations, not less than 1 percent of the total sales in the first 3 years or not less than 200 million Baht, whichever is lower.

The number of students or university students admitted to vocational training or the investment capital or expenditure on research and development of technology and innovation, under this measure, shall not be reapplied for further incentives under other measures.

4.2 In case projects are located in the areas under Item 4.2.1 and 4.2.2, they shall be entitled to either of additional rights and incentives as follows:

- 4.2.1 In case projects are located in areas as Science and Technology Parks, which are promoted or approved by the Board of Investment, incentives shall be granted according to the Investment Promotion Measure in areas as Science and Technology.

4.2.2 In case projects are located in an industrial estate or promoted industrial zone, additional incentives shall be granted for industrial area development.

4.3 Projects that operate in compliance with the criteria and conditions under Item 4.1 and 4.2 could be entitled both of additional rights and incentives of corporate income tax.

5. In case any projects are granted the rights and incentives of over 8-year corporate income tax exemption, they shall not be granted any additional rights and incentives of corporate income tax exemption pursuant to Section 35 (1).

This announcement shall be effective from January 3, 2023, onward.

Announced on December 8, 2022.

General Prayut Chan-ocha

(Prayut Chan-ocha)

Prime Minister

Chairman of the Board of Investment

List of Targeted Activities in the Targeted Industry Clusters
Subsequent to Investment Promotion Measure in the Economic Corridor

Targeted Industry Clusters / Targeted Activities	Conditions
(1) Agriculture and Food Industry Cluster	
1.1.1.1 Economic forest plantation	<ol style="list-style-type: none"> 1. Total plantation area in close proximity must not be less than 50 rai. 2. Project must be certified by Royal Forest Department or other agencies designated by the Royal Forest Department. The certification must be completed before exercising the incentive of corporate income tax exemption and before the full operation deadline. 3. Project must be certified by international forestry standard, such as Forest Stewardship Council (FSC), Programme for the Endorsement of Forest Certification (PEFC) or an equivalent international standard. The certification must be completed before the full operation deadline.
1.1.1.2 Energy crops plantation	<ol style="list-style-type: none"> 1. Total plantation area in close proximity must not be less than 50 rai. 2. Project must be certified by international forestry standard, such as Forest Stewardship Council (FSC), Programme for the Endorsement of Forest Certification (PEFC) or an equivalent international standard. The certification must be completed before the full operation deadline.
1.1.2 Animal propagation or animal husbandry	<ol style="list-style-type: none"> 1. Project must have propagation process. 2. Project must use modern technology such as closed house system, evaporative cooling system, automatic watering and feeding system, vector control measure and system, effective environmental protection, and impact reduction system.

Targeted Industry Clusters / Targeted Activities	Conditions
	<ol style="list-style-type: none"> 3. Project must have traceability system as approved by the Board. 4. Project must be certified by animal husbandry standard such as Good Agricultural Practice (GAP) or an equivalent international standard. The certification must be completed before the full operation deadline.
1.1.3 Slaughtering	<ol style="list-style-type: none"> 1. Project must use modern technology such as stunning method, shackle, cold storage, chilling system, meat quality and contaminant inspection. 2. Project must have traceability system as approved by the Board. 3. Project must be certified by animal slaughtering standard such as Good Manufacturing Practice (GMP) or an equivalent international standard. The certification must be completed before the full operation deadline.
1.1.4 Deep sea fishery	Project must obtain oversea fishing license by Department of Fisheries. License must be obtained before exercising the incentive of corporate income tax exemption and before the full operation deadline.
1.2.1.1 Manufacture of organic starch or organic flour	Project must be certified by international organic agriculture standard, such as International Federation of Organic Agriculture Movements (IFOAM), Canada Organic Regime (COR), The National Organic Program (NOP) or an equivalent international standard. The certification must be completed before the full operation deadline.
1.2.1.2 Manufacture of modified starch or starch made from plants that have special properties	
1.2.1.3 Manufacture of native starch or native flour	<ol style="list-style-type: none"> 1. Project must employ environmentally-friendly technology such as reusing water or air pollution control.

Targeted Industry Clusters / Targeted Activities	Conditions
	2. Project must be certified by international environmental standard such as ISO 14000 or an equivalent international standard. The certification must be completed before the full operation deadline.
1.2.2 Manufacture of oil or fat from plants or animals	
1.2.3 Tanneries or leather finishing	1. Project must employ environmentally-friendly technology such as reducing the use of chemicals, or use of enzyme or biological catalysts to replace chemicals. 2. Tanneries must be located in industrial estate or promoted industrial zones, or the leather tanning industrial zone that have waste treatment and environmental protection and control systems according to section 30 of the announcement of the Ministry of Industry. In case of expansion project or project apply for Smart and Sustainable Industry Measure shall
	be allowed to locate at current location and project must have measures to reduce environmental impact.
1.2.4.1 Manufacture of natural rubber products	1. Manufacture of rubber band, rubber balloons and rubber ring shall not be promoted. 2. Products must contain natural products at least 51 percent by weight of raw material.
1.2.4.2 Manufacture of primary processed rubber	
1.2.5 Manufacture or preservation of food, beverages, food additives, food ingredients or dietary supplement products using modern technology	Manufacture of sugar, sport drinks, diluted juices, energy drinks, alcoholic beverages, drinking water, flavored and non-flavored soda, carbonated beverages, vitamin water and flavoring drinking water shall not be promoted.

Targeted Industry Clusters / Targeted Activities	Conditions
1.2.6.1 Manufacture of food with health claims	<ol style="list-style-type: none"> 1. Manufacture of sugar, sport drinks, diluted juices, energy drinks, alcoholic beverages, drinking water, flavored and non-flavored soda, carbonated beverages, vitamin water and flavoring drinking water shall not be promoted. 2. Products must be qualified health claim assessment by The Food and Drug Administration or other agencies with internationally accepted standard. The qualification must be completed before the full operation deadline.
1.2.6.2 Manufacture of novel food	<ol style="list-style-type: none"> 1. Manufacture of sugar, sport drinks, diluted juices, energy drinks, alcoholic beverages, drinking water, flavored and non-flavored soda, carbonated beverages, vitamin water and flavoring drinking water shall not be promoted.
	<ol style="list-style-type: none"> 2. Products must be registered as “novel food” with The Food and Drug Administration or other agencies with internationally accepted standard. The registration must be completed before the full operation deadline.
1.2.6.3 Manufacture of organic food	<ol style="list-style-type: none"> 1. Manufacture of sugar, sport drinks, diluted juices, energy drinks, alcoholic beverages, drinking water, flavored and non-flavored soda, carbonated beverages, vitamin water and flavoring drinking water shall not be promoted. 2. Project must be certified by international organic agriculture standard, such as International Federation of Organic Agriculture Movements (IFOAM), Canada Organic Regime (COR), The National Organic Program (NOP) or an equivalent international standard. The certification must be completed before the full operation deadline.

Targeted Industry Clusters / Targeted Activities	Conditions
1.2.6.4 Manufacture of medical food	<ol style="list-style-type: none"> 1. Manufacture of sugar, sport drinks, diluted juices, energy drinks, alcoholic beverages, drinking water, flavored and non-flavored soda, carbonated beverages, vitamin water and flavoring drinking water shall not be promoted. 2. Products must be registered as “medical food” with the Food and Drug Administration or other agencies with internationally accepted standard within the full operation start-up date. The registration must be completed before the full operation deadline.
1.2.8.1 Manufacture of therapeutic pet food	<ol style="list-style-type: none"> 1. Products must obtain registration on specifically controlled animal feed for pet food (therapeutic pet food) or an equivalent international standard. The registration must be completed before the full operation deadline. 2. Project must be certified by food safety management system standard, such as ISO 22000 or other standards accepted by Global Food Safety Initiative (GFSI). The certification must be completed before the full operation deadline.
1.2.8.2 Manufacture of animal feed or animal food ingredients certified by food safety management system standard	Project must be certified by food safety management system standard, such as ISO 22000 or other standards accepted by Global Food Safety Initiative (GFSI). The certification must be completed before the full operation deadline.
1.2.8.3 Manufacture of animal feed or animal food ingredient certified by global standard	Project must be certified by international standards, such as HACCP and GMP. The certification must be completed before the full operation deadline.
1.2.11.1 Manufacture of natural extracts or products from natural extracts using modern extraction methods derived from	In manufacturing products from natural extracts derived from the continual process within the same project, the products must be registered as herbal products or equivalents with the Food and

Targeted Industry Clusters / Targeted Activities	Conditions
the continuous process within the same project	Drug Administration or other relevant agencies according to the law on herbal products. The registration must be completed before exercising the incentive of corporate income tax exemption and before the full operation deadline.
1.2.11.2 Manufacture of natural extracts or products from natural extracts derived from the continual process within the same project	In manufacturing products from natural extracts derived from the continual process within the same project, the products must be registered as herbal products or equivalents with the Food and Drug Administration or other relevant agencies according to the law on herbal products. The registration must be completed before exercising the incentive of corporate income tax exemption and before the full operation deadline.
1.2.11.3 Manufacture of products from natural extracts without extraction process of natural raw materials	<ol style="list-style-type: none"> 1. Products must be registered as herbal products or equivalents with the Food and Drug Administration or other relevant agencies according to the law on herbal products. The registration must be completed before exercising the incentive of corporate income tax exemption and before the full operation deadline. 2. Project must be certified by international standard such as Good Manufacturing Practice (GMP) or an equivalent international standard. The certification must be completed before the full operation deadline.
1.3.1 Plant or animal breeding (only those that are not eligible for biotechnology activity)	For breeding of sensitive plants according to the policy of the Ministry of Agriculture and Cooperatives, project must have Thai nationality shareholders of not less than 51 percent of its registered capital.

Targeted Industry Clusters / Targeted Activities	Conditions
1.3.2.1 Manufacture or service of machinery and equipment of modern agricultural and modern agricultural system with own system or platform design and manufacture machinery and equipment in the project	<ol style="list-style-type: none"> 1. Project must manufacture modern agricultural systems, such as detection system, tracking system or relevant resources (water, fertilizers, medicines) management systems and smart greenhouse systems 2. Project must design its own systems or software or platform for relevant resources management in a system integration manner by collecting, interpreting, and analyzing data. In case project does not design its own systems or software or platform, project must have expenses on systems or software or platform development by local developer of at least 10 million baht within the full operation deadline. 3. The project must manufacture machinery or equipment for modern agricultural systems with a part-forming process, part-assembling process and/or engineering designs as approved by the Board. 4. Project must have expenses on salary for IT development and engineering personnel of at least 1,500,000 baht per year and it must be new employment, or capital investment (excluding cost of land, working capital and vehicle) of at least 1 million baht.
1.3.2.2 Manufacture or service of machinery and equipment of modern agricultural and modern agricultural system with own system or platform design	<ol style="list-style-type: none"> 1. Project must manufacture modern agricultural systems, such as detection system, tracking system or relevant resources (water, fertilizers, medicines) management systems and smart greenhouse systems.
	<ol style="list-style-type: none"> 2. Project must design its own systems or software or platform for relevant resources management in a system integration manner by collecting, interpreting, and analyzing data. In case project does not design its own systems or software or platform, project must

Targeted Industry Clusters / Targeted Activities	Conditions
	<p>have expenses on systems or software or platform development by local developer of at least 10 million baht within the full operation deadline.</p> <p>3. Project must procure machinery and equipment from other business operators or employ other operators to manufacture them for subsequent system integration into a modern agricultural system.</p> <p>4. Project must have expenses on salary for IT development and engineering personnel of at least 1,500,000 baht per year and it must be new employment, or capital investment (excluding cost of land, working capital and vehicle) of at least 1 million baht.</p>
1.3.2.3 Services related to modern agriculture	<p>The activity must involve the provision of services for modern agricultural systems, such as detection system, tracking system, or relevant resources (water, fertilizers, medicines) management system and smart greenhouse systems as approved by the Board.</p>
1.3.3 Plant Factory	<p>Project must grow plants inside the buildings specifically designed in a closed system with environment control system for planting both physical environment and biological environment as approved by the Board.</p>
1.4.1 Manufacture of biological fertilizers, organic fertilizers, nano-coated organo chemical fertilizers and bio-pesticides	<p>1. Biological fertilizers, organic fertilizers and nano-coated organo chemical fertilizers must be registered and obtained license for manufacturing fertilizer for trade from the Department of Agriculture. The registration must be completed before exercising the incentive of corporate income tax exemption and before the full operation deadline.</p> <p>2. Bio-pesticides must be registered and obtained certificate of permission to produce hazardous substance (class 2) from the</p>

Targeted Industry Clusters / Targeted Activities	Conditions
	Department of Agriculture. The registration must be completed before exercising the incentive of corporate income tax exemption and before the full operation deadline.
1.4.3.1 Grading and storage of agricultural products using advanced technology	Project must use advanced technology, such as fruit ripeness sensor, radio frequency pest control, nuclear magnetic resonance or x-ray.
1.4.3.2 Grading and storage of agricultural products using modern technology	<ol style="list-style-type: none"> 1. Project must use modern technology, such as color sorter, vapor heat treatment to kill fruit fly eggs, seed coating, modified atmosphere packaging (MAP), controlled atmosphere packaging (CAP), cold storage or freezing. 2. Rice grading and storage shall not be promoted.
1.4.4.1 Cold storage, or cold storage and cold storage transportation using natural refrigerants	Project must use natural refrigerants. In case of using ammonia as a refrigerant, the ratio of ammonia must not exceed 49 percent of total refrigerants in the system.
1.4.5 Trading center for agricultural goods	<ol style="list-style-type: none"> 1. Total area must not be less than 50 rai. 2. The area for operations and services related to agricultural goods must not be less than 60% of the total land area. Space must be allocated for agricultural exhibition or trade, auction center, cold storage, and silos. 3. Inspection, grading, and pesticide, hazardous residue inspection services for agricultural products must be provided.
1.4.6 Digital trade center for agricultural products	<ol style="list-style-type: none"> 1. Project must have Thai nationality shareholders of not less than 51 percent of its registered capital. 2. Project must provide a platform to service farmers and business operators, and a system to monitor and control the quality of agricultural products. There must be a process

Targeted Industry Clusters / Targeted Activities	Conditions
	<p>to develop or hire others in the country to develop the software or platform for use in the project.</p> <p>3. The sale of agricultural products must be on B2B (Business-to-Business) basis only.</p> <p>4. Project must have a traceability system and a quality control system such as laboratory for quality testing.</p>
7.2.3.6 Agri-food industrial zone or industrial estate	<p>1. Project must have Thai nationality shareholders of not less than 51 percent of its registered capital.</p> <p>2. Project must have an area of not less than 200 rai. The area for the industrial operation shall not be less than 60% and not more than 75% of the total area.</p> <p>3. Project must have areas for operation facilities in the agricultural industry; agricultural processing; food processing; activities utilizing agricultural products, by-products, agricultural scraps or wastes as main raw materials. The area shall also include scientific and technological support and personnel development services in a proportion of not less than 80% of the total area for the operation facilities.</p> <p>4. Project is required to have the following services and facilitations:</p> <ul style="list-style-type: none"> - Laboratory/testing facilities - Institutions for training or developing agricultural or food knowledge - Basic utilities which are suitable and standardized or as per details approved by the Board
(2) Bio-based Industry Cluster	
1.2.9 Manufacture of products or packaging from agricultural products, by-products or agricultural waste or products from raw	

Targeted Industry Clusters / Targeted Activities	Conditions
materials gained from by-products or agricultural waste	
1.2.10.1 Manufacture of fuel or pharmaceutical grade alcohol from agricultural products	
1.2.10.2 Manufacture of fuel from agricultural scrap or waste	Project must manufacture fuel from agricultural scrap or waste, such as Biomass to Liquid (BTL), biogas from wastewater or biodiesel from used cooking oil.
1.2.10.3 Manufacture of biomass briquettes and pellets	
1.5.1.1 Manufacture of bioplastic or products from bioplastic derived from the continual process within the same project	Project must have certified by biobased content certificate, such as TISI 2734, ISO 16620 or an equivalent international standard. The certification must be completed the full operation deadline.
1.5.1.2 Manufacture of products from bioplastic	<ol style="list-style-type: none"> 1. Project must have certified by biobased certificate, such as TISI 2734, ISO 16620 or an equivalent international standard. The certification must be completed before the full operation deadline. 2. Project must have plastic forming process from bioplastic.
1.5.2 Manufacture of biochemicals	<ol style="list-style-type: none"> 1. Products must use raw materials from agricultural products, processed agricultural products, biomass or scrap or waste from agricultural processing industries at least 51 percent by weight. 2. Project with only mixing or dilution processes shall not be promoted. 3. Project must have certified or qualified by ready biodegradability international standard, such as OECD Guidelines for the Testing of Chemical, Test No. 301: Ready Biodegradability. The certification or qualification must be completed before the full operation deadline.

Targeted Industry Clusters / Targeted Activities	Conditions
1.5.3.1 Manufacture of plants, animals or microorganism breeding using biotechnology	
1.5.3.2 Manufacture of biopharmaceutical agents using biotechnology	
1.5.3.3 Manufacture of diagnostic kits for health, agriculture, food, and environment using biotechnology	
1.5.3.4 Manufacture of bio-molecules and bioactive substances using microorganism, plant cells and animal cells	
1.5.3.5 Manufacture of raw materials and/or essential materials for molecular biological research and development, experiment, testing or quality control for production of biological substance	
1.6 Biotechnology development	<ol style="list-style-type: none"> 1. Target technology development procedures shall be used as a base for the manufacturing process or service provision in the target industry as approved by the Board. 2. There must be a technology transfer with an educational institution or research institute as approved by the Board, such as Technology Research Consortium.
(3) Electrical Appliances and Electronics Industry Cluster	
4.1 Electronic design i.e. microelectronics, optoelectronics or embedded system	<ol style="list-style-type: none"> 1. Project must have expenses on salaries for electronics design personnel of at least 1,500,000 baht per year and it must be new employment, or must have capital investment of at least 1,000,000 baht (excluding cost of land, working capital and vehicles) 2. To exercise the benefits of corporate income tax exemption from the sale of products or services which are directly related to the promoted business, one of the following evidences must be provided:

Targeted Industry Clusters / Targeted Activities	Conditions
	<ul style="list-style-type: none"> - Patents for products or services which are directly related to the promoted business. - Letters from the National Science and Technology Development Agency or relevant institutions for each product or service, which certify that the products or services are electronic designs of the project.
4.2.2.1 Manufacture or test of semiconductors and integrated circuits (IC), which is a large-scale investment	<ol style="list-style-type: none"> 1. Project must manufacture or test of semiconductors and integrated circuits (IC) and products obtained in between the manufacturing process or downstream products such as wafer grinding, sawed dice, wafer testing, IC, testing and IC Module 2. For the manufacturing and testing of integrated circuits (IC), the cost of refurbishment of existing machines shall be regarded as an investment and will be taken into account in the calculation of corporate income tax exemption cap. The original cost of existing machines shall not be regarded as an investment. 3. The investment capital in machinery (including cost of installation and test run) used in the manufacturing or testing process must not be less than 1,500 million baht.
4.2.2.2 Manufacture or test of semiconductors and integrated circuits (IC)	<ol style="list-style-type: none"> 1. Project must manufacture or test of semiconductors and integrated circuits (IC) and products obtained in between the manufacturing process or downstream products such as wafer grinding, sawed dice, wafer testing, IC testing and IC Module
	<ol style="list-style-type: none"> 2. For the manufacturing and testing of integrated circuits (IC), the cost of refurbishment of existing machines shall be regarded as an investment and will be taken into account in the calculation of corporate income tax

Targeted Industry Clusters / Targeted Activities	Conditions
	exemption cap. The original cost of existing machines shall not be regarded as an investment.
4.2.3.1 Manufacture of electronic passive components in the form of surface-mount devices, which is a large-scale investment	The investment capital in machinery (including cost of installation and test run) used in the manufacturing process must not be less than 1,500 million baht.
4.2.3.2 Manufacture of electronic passive components in the form of surface-mount devices	
4.2.3.3 Manufacture of electronic passive components in the form of through-hole devices	
4.2.4.1 Manufacture of printed circuit boards in the form of high-density interconnect	The investment capital in machinery and the manufacturing process must be approved by the Board.
4.2.4.2 Manufacture of flexible printed circuit boards, multilayer printed circuit boards or parts, which is a large-scale investment	The investment capital in machinery (including cost of installation and test run) used in the manufacturing process must not be less than 1,500 million baht.
4.2.4.3 Manufacture of flexible printed circuit boards, multilayer printed circuit boards or parts.	
4.2.5.1 Manufacture of printed circuit board assemblies (PCBA) or downstream products from PCBA in the same project, which is a large-scale investment	<ol style="list-style-type: none"> 1. The whole assembly line of PCBA in the same project must use the surface mount technology. 2. The investment capital in machinery (including cost of installation and test run) used in the manufacturing process must not be less than 500 million baht.
4.2.5.2 Manufacture of printed circuit board assemblies (PCBA) or downstream products from PCBA in the same project,	The whole assembly line of PCBA in the same project must use the surface mount technology.

Targeted Industry Clusters / Targeted Activities	Conditions
which uses the surface mount technology to the whole production line	
4.2.6.1 Manufacture of printed electronics using more than 1 type of printing material	
4.2.6.2 Manufacture of printed electronics using 1 type of printing material	
4.2.7.1 Manufacture of solid-state drives	<ol style="list-style-type: none"> 1. The whole assembly line of PCBA in the same project must use the surface mount technology. 2. The cost of refurbishment of existing machines shall be regarded as an investment and will be taken into account in the calculation of corporate income tax exemption cap. The original cost of existing machines shall not be regarded as an investment.
4.2.7.2 Manufacture of advanced technology hard disk drives and/or critical parts	<ol style="list-style-type: none"> 1. The areal density of hard disk drives must not be less than 2,000 gigabits per square inch. 2. The production of top covers or base plates or peripherals shall not be promoted.
	<ol style="list-style-type: none"> 3. The cost of refurbishment of existing machines shall be regarded as an investment and will be taken into account in the calculation of corporate income tax exemption cap. The original cost of existing machines shall not be regarded as an investment.
4.2.7.3 Manufacture of hard disk drives and/or critical parts	<ol style="list-style-type: none"> 1. Project must manufacture hard disk drives and/or critical parts such as spindle motors, suspensions, head gimbal assemblies and voice coil motors. 2. The production of top covers or base plates or peripherals shall not be promoted. 3. The cost of refurbishment of existing machines shall be regarded as an investment and will be taken into account in the calculation of corporate income tax exemption cap. The

Targeted Industry Clusters / Targeted Activities	Conditions
	original cost of existing machines shall not be regarded as an investment.
4.2.7.4 Manufacture of other parts of hard disk drive such as top covers, base plates, pins and filters	
4.2.7.5 Manufacture of external hard disk drives and other memory storage such as flash drives	The whole assembly line of PCBA in the same project must use the surface mount technology.
4.2.8.1 Manufacture of high-density batteries with the cell production process	1. Project must manufacture high-density batteries with the properties as approved by the Board as followings: 1) Specific energy density not less than 150 Wh/g 2) Charging cycle not less than 500 cycles
	2. The project will be eligible for a 90 percent reduction in import duties on non-locally produced raw materials and essential materials for five years under Section 30. The benefit will be approved for one year at a time, starting from the date of the first import of raw materials.
4.2.8.2 Manufacture of high-density batteries in the case of using cells in the production of modules or battery packs	1. Project must manufacture high-density batteries with the properties as approved by the Board as followings: 1) Specific energy density not less than 150 Wh/g 2) Charging cycle not less than 500 cycles 2. The project is eligible for a 90 percent reduction in import duties on non-locally produced raw materials and essential materials for five years under Section 30. The benefit will be approved for one year at a time, starting from the date of the first import of raw materials.

Targeted Industry Clusters / Targeted Activities	Conditions
4.2.8.3 Manufacture of high-density batteries in the case of using modules in the production of battery packs	Project must manufacture high-density batteries with the properties as approved by the Board as followings: 1) Specific energy density not less than 150 Wh/g 2) Charging cycle not less than 500 cycles
4.2.8.4 Manufacture of supercapacitors	Project must manufacture supercapacitors with the properties as approved by the Board as followings: 1) Specific energy density not less than 10,000 Wh/g 2) Charging cycle not less than 10,000 cycles
4.2.9.1 Manufacture of flat panel displays or critical parts	1. Project must manufacture flat panel displays or critical parts such as backlight panel, diffuser, LCD film, electrode, and polarizing film. 2. Project must have production process as approved by the Board.
4.2.10 Manufacture of electro-magnetic products and parts	
4.2.11.1 Manufacture of optical fibers	Project must have production process as approved by the Board.
4.2.11.2 Manufacture of parts for optical fiber device, optical device and electro-optical device	Project must have production process as approved by the Board.
4.2.11.3 Manufacture of parts, peripheral devices and signal cables with the continual manufacturing process from metal forming or the fabrication of electrically conductive materials in the same project	
4.2.12.1 Manufacture of solar cells and/or raw materials for solar cell	Project must have production process and product must have energy yield as approved by the Board.
4.2.12.2 Manufacture of solar panels from the solar cells produced within the same project	Project must have production process and product must have energy yield as approved by the Board.

Targeted Industry Clusters / Targeted Activities	Conditions
4.2.13.1 Manufacture of smart electrical appliances and smart electronics, which is a large-scale investment	<ol style="list-style-type: none"> 1. Project must manufacture smart electrical appliances with the following properties: <ul style="list-style-type: none"> - Have electronic components that can detect and receive the data as the principal element. - Can connect to other devices or equipment or network through wireless system. - Have the operating or processing system embedded into such equipment or devices. 2. The production of electrical plugs, illumination devices and light bulbs shall not be promoted. 3. The investment capital in machinery (including cost of installation and test run) must not be less than 1,500 million baht. 4. The whole assembly line of PCBA must use the surface mount technology in the same project.
4.2.13.2 Manufacture of smart electrical appliances and smart electronics	<ol style="list-style-type: none"> 1. Project must manufacture smart electrical appliances with the following properties: <ul style="list-style-type: none"> - Have electronic components that can detect and receive the data as the principal element. - Can connect to other devices or equipment or network through wireless system. - Have the operating or processing system embedded into such equipment or devices. 2. The production of electrical plugs, illumination devices and light bulbs shall not be promoted. 3. <u>Additional incentives</u> In case the whole assembly line of PCBA in the same project uses the surface mount technology, 1-year of corporate income tax exemption will be additionally granted.
4.2.14.1 Manufacture of audio-visual products and parts, which are produced from the PCBA manufactured within the same project	The whole assembly line of PCBA in the same project must use the surface mount technology.

Targeted Industry Clusters / Targeted Activities	Conditions
4.2.14.2 Manufacture of audio-visual products and parts	
4.2.15.1 Manufacture of office electronics and parts, which are produced from the PCBA manufactured within the same project	The whole assembly line of PCBA in the same project must use the surface mount technology.
4.2.15.2 Manufacture of office electronics and parts	
4.2.16.1 Manufacture of optical modules, optical devices, electro-optical modules, or electro-optical devices	Project must have one of the following production processes: 1. Assembling of PCBA using the surface mount technology to the whole line in the same project. 2. Assembling of optical chip
4.2.16.2 Manufacture of network device for office and home use such as router, access point, network switch, repeater, extender and gateway, which are produced from the PCBA manufactured within the same project; or which has part forming process	Project must meet one of the following production processes: 1. Assembling of PCBA using the surface mount technology to the whole line in the same project. 2. Forming of part
4.2.16.3 Manufacture of network device for office and home use such as router, access point, network switch, repeater, extender, and gateway	
4.2.17.1 Manufacture of electronic measuring instrument and parts, which are produced from the PCBA manufactured within the same project	Project must have one of the following production processes: 1. Assembling of PCBA using the surface mount technology to the whole line in the same project 2. Forming of part
4.2.17.2 Manufacture of electronic measuring instruments and parts	
4.2.18.1 Manufacture of power supply, converter, inverter or charger which has operation control software	Project must have following production processes: 1. Designing of circuit layout for the circuit board (PCB Design) 2. Loading of control software within the same project

Targeted Industry Clusters / Targeted Activities	Conditions
4.2.18.2 Manufacture of power supply, converter, inverter or charger	Project must have production process as approved by the Board.
4.2.19 Manufacture of products using microtechnology	<p>The project must meet one of the following conditions:</p> <ol style="list-style-type: none"> 1. The products must be manufactured using microfabrication technology such as Micro Electro Mechanical Systems (MEMS), microelectronics, and microensors; or microtechnology such as micro coils, micro magnets, micro components, micro rotors, micro ceramics, brushless motors 2. The main machinery used in the project must be able to produce workpieces with a tolerance value not exceeding IT5, according to the International Tolerance Grades (IT)
4.3.1 Manufacture of electrical appliances	<ol style="list-style-type: none"> 1. Project must manufacture air conditioners, refrigerators, freezers, washing and drying machines 2. Product must meet Thailand's energy efficiency standards and have the high energy efficiency label (label no. 5) from the Ministry of Energy or have other equivalent energy efficiency.
4.3.2.1 Manufacture of parts, peripheral devices and electrical wires with the continual manufacturing process from metal forming or the fabrication of electrically conductive materials in the same project	
4.3.3 Manufacture of transformers	Project must have coil winding process.
4.3.4.1 Manufacture of circuit breakers with the part forming process	Project must have part forming process.
4.3.5 Manufacture of compressors and/or motors for electrical appliance	Project must have coil winding process or fabrication of stators or rotors in the project.
(4) Digital Industry Cluster	
8.1 Development of software, digital platform or digital content	1. The minimum investment capital of each project must not be less than 1,500,000 baht per year calculated on the basis of the

Targeted Industry Clusters / Targeted Activities	Conditions
	<p>expenditure on salaries for Thai information technology personnel additionally employed after applying for investment promotion.</p> <ol style="list-style-type: none"> 2. Project must have development process of software, digital platform or digital content in Thailand as stipulated by the Office. 3. Project is allowed to utilize the existing or used machinery. 4. The investment promotion of this activity does not include the retail and wholesale of all types of products. 5. The corporate income tax exemption cap accounts for 100 percent of the actual expenditure in the year of application for the incentive as follows: <ul style="list-style-type: none"> - Expenditure on salaries for Thai information technology personnel additionally employed in comparison with Thai information technology personnel employed before the submission date of application for investment promotion. - Expenditure on the information technology development related training course to develop Thai personnel's skills. - Expenditure on the operation to acquire the standard quality system certificate ISO 29110 or CMMI from Level 2 or other equivalent international standards.
8.2.1 Data center	<ol style="list-style-type: none"> 1. Project must provide complementary service for customers located in project such as server co-location, managed service, customer's server backup service, disaster recovery service (DRS), Data Hosting. 2. Area of data center must not be less than 3,000 square meters. 3. Project must have a main hi-speed telecommunication system linking the data center with domestic and international

Targeted Industry Clusters / Targeted Activities	Conditions
	<p>telecommunication centers for at least 4 systems. The domestic telecommunication system must have a speed of at least 10 Gbps each, for at least 3 systems, and the total speed of the whole system must be at least 60 Gbps.</p> <ol style="list-style-type: none"> 4. Project must be able to service clients during maintenance or during equipment replacement in the system (concurrently maintainable). 5. Project must have a “Continuous Rating” generator, which is capable of supporting the entire electricity needs of the Data Center, with a backup generator that can support the need for electricity when one of the generators does not function properly. 6. Project must have equipment or backup system such as UPS, IT Cooling and UPS Cooling. This system or equipment needs to be able to function immediately after a main system fails to function properly and this must ensure the failure in the main system does not affect service. 7. Project must have backup independent distribution paths in electricity distribution system. 8. Project must have a failure prevention system to prevent risks from damage or any malfunction in any equipment. 9. Project must have a highly efficient air conditioning system, with backup system. 10. Project must have fire prevention system for the entire area. 11. Project must have a 24-hour security system. 12. Project be certified with ISO/IEC 27001 (data center) before exercising the incentive of corporate income tax exemption and before the full operation deadline.

Targeted Industry Clusters / Targeted Activities	Conditions
8.2.2 Cloud service	<ol style="list-style-type: none"> 1. Project must be located in at least 2 data centers in Thailand that are certified with ISO/IEC 27001. 2. Project must have connection among all related data center with speed of at least 10 Gbps for each connection, with backup connection at the same speed. 3. Project must be certified with ISO/IEC 27001 (cloud security) and ISO/IEC 20000-1 (cloud service) before exercising the incentive of corporate income tax exemption and before the full operation deadline.
8.2.3 International high-speed marine communication circuits	Project must obtain a license for international high-speed marine communication circuits from the Broadcasting Commission (BC) and the Office of The National Broadcasting and Telecommunications Commissions (NBTC) before applying for the promotion.
8.3.1 Innovation park	<ol style="list-style-type: none"> 1. There must be investment in or providing of basic public utility such as high-speed fiber optic communication system, uninterruptible power supply, air conditioning system, fire suppression and accident prevention systems. 2. There must be incubation plan for innovation development as approved by the Board. 3. There must be ecosystem creating plan or creation of technology community, as well as the provision of Maker Space or Fabrication Laboratory for development of Prototype. 4. There must be employment of mentor to provide advice on business operation and innovation development. 5. The service area must not be less than 1,000 square meters.
8.3.2 Maker space or fabrication laboratory	1. There must be space provided as laboratory for development of innovation or prototype.

Targeted Industry Clusters / Targeted Activities	Conditions
	<ol style="list-style-type: none"> 2. There must be basic tools or equipment for prototype development such as CNC Machine, 3D Printer, Water jet, Tooling, Software Tools for development of artificial intelligence, Petri dish and chemical mixing equipment. 3. There must be mentor to provide advice for development of innovation or prototype. 4. There must be public utilities in the project such as high-speed fiber optic communication system, uninterruptible power supply, air conditioning system, fire suppression and accident prevention systems.
8.4.1 Smart City Area Development	<ol style="list-style-type: none"> 1. Shares must be held by Thai nationals no less than 51 percent of the registered capital. 2. Project must provide the communications infrastructure to support smart systems, such as fiber optic and public Wi-Fi. 3. Project must provide smart environment system and at least one of the following six systems, including smart mobility, smart people, smart living, smart economy, smart governance, and smart energy. 4. Project must provide the data storage and data management system connecting to open data platform. 5. The applicants must be approved by the Board or agencies responsible for smart city development before applying for investment promotion. 6. Project must set out and follow KPIs in line with area development targets. 7. Project must organize public hearing from local communities and propose public investment plan.
8.4.2 Smart city system development	<ol style="list-style-type: none"> 1. Project must develop, install, and provide services in one or more aspects of smart city system as stipulated by the Board, such as

Targeted Industry Clusters / Targeted Activities	Conditions
	<p>smart mobility, smart people, smart living, smart economy, smart governance, smart energy, and smart environment.</p> <p>2. Project must be part of a smart city development project approved by the Board or agencies responsible for smart city development.</p>
(5) Creative Industry Cluster	
9.1 Creative product design and development	<ol style="list-style-type: none"> Project must consist of 2 components, as follows: <ol style="list-style-type: none"> Information system for design Conceptual design and creation system Project must consist of one of the following components: <ol style="list-style-type: none"> Engineering design system Prototype design creation and performance testing system Prototype standard testing and user acceptance testing system At least 70% of total employees in the project must be Thai. Project must have expenses on salaries for research and development personnel of at least 1,500,000 baht per year and it must be new employment, or must have capital investment of at least 1 million baht (excluding cost of land, working capital, and vehicle).
9.2 Manufacture of technical fiber or functional fiber	Project must be approved by related agencies such as Thailand textile institute, National Innovation Agency (Public Organization).
9.3 Manufacture of functional yarn or functional fabric	Project must be approved by related agencies such as Thailand textile institute, National Innovation Agency (Public Organization).
9.4 Manufacture of recycled fiber	Project must use domestic scraps or waste only.
9.6 Bleaching, dyeing and finishing, or printing and finishing, or printing	1. Project must be located or expand in industrial estates or promoted industrial zones

Targeted Industry Clusters / Targeted Activities	Conditions
	<p>that have waste treatment and environmental protection and control systems according to section 30 of the announcement of the Ministry of Industry.</p> <ol style="list-style-type: none"> 2. In case project is not located in condition 1., only expansion of existing projects will be permitted. Project must also have measures to reduce environmental impact. 3. For the textile industry, digital printing businesses can be located in all areas 4. Project applying for investment promotion under the Smart and Sustainable Industry Measure by reducing environmental impact is allowed to be located in the existing business area, whether the business is located in industrial estates or promoted industrial zones according to Section 30 of the announcement of the Ministry of Industry or not. 5. Environment-friendly technology must be used in all cases.
9.9 Manufacture of gems and jewelry or parts including raw materials and prototype	
9.15 Thai motion picture production	Project must have production of Thai motion picture such as production of movies, documentaries, television programs, animation but does not include production of a commercial.
9.16 Motion picture support services	<p>Motion picture support services shall include production of movies, documentaries, animation and commercial, which have one of the following scopes of business:</p> <ol style="list-style-type: none"> 1. Rental services of movie production equipment and/or movie production props must have main equipment/machinery such as camera, grip equipment, light set. 2. Film development and duplication services must have main equipment/machinery such as

Targeted Industry Clusters / Targeted Activities	Conditions
	<p>film development machine, film duplication machine, digital film duplication machine.</p> <p>3. Sound recording services must have main equipment/machinery such as digital sound recorder, digital sound editing machine, digital sound mixing machine.</p> <p>4. Picture technical services must have machines and equipment capable of creating special pictures that are not possible with cameras. The service providers must have main equipment and machinery such as standard definition/high definition digital recorders, editing suites, digital compositing and special effect creation.</p> <p>5. Coordination services for foreign movie production in Thailand must include coordinating with related government agencies for permits, location scouting and sourcing of staff and movie equipment.</p> <p>6. Standardized movie production studio rental services for movie and television program production, both indoor and outdoor studio.</p>
9.17 Industrial zone for motion picture production (Movie Town)	<p>Must provide the following facilities as follows:</p> <p>1. Standardized movie production and/or television program studio, both indoor and outdoor studio.</p> <p>2. Post production service such as visual effect, computer graphic, animation and sound recording studio.</p>
(6) Tourism and Wellness Tourism Industry Cluster	
2.2.1.3 Traditional or Applied Thai medical public service	<p>1. Project must obtain health establishment license. The registration must be completed before exercising the incentive of corporate income tax exemption and before the full operation deadline.</p>

Targeted Industry Clusters / Targeted Activities	Conditions
	2. Project must comply with the regulations on professional standards, or other relevant standards of the Ministry of Public Health.
10.8.1 Ferry services or tour boat services or tour boat renting services	Bare-boat renting service for other to provide boat renting service shall not be promoted.
10.8.2 Tour boat port services	Project must have facilitating equipment such as boat lifting equipment, inland boat deck, or boat garage for maintenance purpose.
10.8.3 Amusement parks	<ol style="list-style-type: none"> 1. Project must have capital investment (excluding cost of land and working capital) of not less than 500 million baht. 2. Project details must be approved by the Board.
10.8.4 Thai cultural centers or Thai art and craft centers	<ol style="list-style-type: none"> 1. Project must have capital investment (excluding cost of land and working capital) of not less than 30 million baht. 2. Performance details must be approved by the Board. 3. Project must have Thai nationality shareholders of not less than 51 percent of its registered capital.
10.8.5 Open Zoo	<ol style="list-style-type: none"> 1. Project must have capital investment (excluding cost of land and working capital) of not less than 500 million baht. 2. The area must not less than 500 rai. 3. Project details must be approved by the Board. 4. 15 percent of the total area must be allocated as green area and another 15 percent as car park.
10.8.6 Museum	<ol style="list-style-type: none"> 1. Project must have capital investment (excluding cost of land and working capital) of not less than 30 million baht. 2. Project details must be approved by the Board.

Targeted Industry Clusters / Targeted Activities	Conditions
10.8.7 Race tracks	<ol style="list-style-type: none"> 1. Project must have capital investment (excluding cost of land and working capital) of not less than 1,000 million baht. 2. Project must obtain a standard certificate from the Federation International de L'Automobile (FIA) or Federation International de Motocyclisme (FIM) for the circuits race/track. 3. In case of other track varieties such as drag, drift, and supercross must be constructed according to comparable or international standards or guidelines. 4. Project must have appropriate preventive and controlling measures against environmental damage or against danger or trouble to neighbors.
10.8.8 Cable car	Project must have capital investment (excluding cost of land and working capital) of not less than 100 million baht.
10.8.9 Cruise terminal	<ol style="list-style-type: none"> 1. Project must have capital investment (excluding cost of land and working capital) of not less than 100 million baht. 2. Project must have facilities and utilities necessary to support the cruises and tourists such as passenger terminal, customs clearance space and immigration area.
10.8.10 Man-made attractions	<ol style="list-style-type: none"> 1. Project must have capital investment (excluding cost of land and working capital) of not less than 100 million baht. 2. Project details must be approved by the Board or related government agency. 3. Project must provide technology as a main service.
10.9.1 Hotel	<ol style="list-style-type: none"> 1. Project must have number of rooms and investment as follows: <ol style="list-style-type: none"> 1.1. In case of the hotel has not less than 100 rooms, a minimum investment per room

Targeted Industry Clusters / Targeted Activities	Conditions
	<p>(excluding land cost and working capital) must not be less than 2 million baht.</p> <p>1.2. In case of the hotel has less than 100 rooms, a minimum investment (excluding land cost and working capital) must not be less than 500 million baht.</p> <p>1.3. In case of the project apply for promotion under Measure for small and medium enterprise (SMEs). The hotel must provide at least 20 rooms but not less than 99 rooms, a minimum investment per room (excluding cost of land and working capital) must not be less than 1 million baht.</p> <p>2. Project must be standardized approved by the Office of the Board of Investment.</p> <p>3. Project must be located in Chiang Rai, Lamphun, Lampang, Chumphon, Ranong, and Nakhon Si Thammarat.</p>
10.9.2 Convention Hall	<p>1. Total convention area must not be less than 4,000 square meters. Total area of the largest hall must not be less than 3,000 square meters.</p> <p>2. Project must have suitable facilities and equipment.</p> <p>3. Project's blueprints must be approved by the Board.</p>
10.9.3 International exhibition center	<p>1. Indoor exhibition area must not be less than 25,000 square meters.</p> <p>2. Every hall must have a business meeting room.</p>