

(Unofficial Translation)

**BOI Announcement**

**No. 10/2558**

**Cluster investment promotion incentives and privileges  
in the Special Economic Development Zones**

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In order to strengthen the value chain consequently creating future industries, enhance investment competencies to attract value added investment from existing and new investment, and to decentralize developments, as well as create opportunities to SMEs, the Board hereby issues this BOI Announcement in reference to BOI Announcement No. 2/2557 dated December 3, 2014 on Policies and Criteria for Investment Promotion.

By virtue of Section 16 Paragraph two, Section 18, Section 31 and Section 35 of the Investment Promotion Act B.E. 2520, the Board of Investment hereby issues this announcement as follows:-

1. Designate all areas in every province to be investment promotion zones
2. Cluster investment promotion incentives and privileges in the Special Economic Development Zones are as follow:

2.1 **Super Clusters** are clusters for activities using advanced technology, and future industries.

- (1) 8-year corporate income tax exemption with exemption cap in accordance with the condition prescribed for the activity in BOI Announcement No. 2/2557 dated December 3, 2014
- (2) A 50 percent reduction from the normal rate of corporate income tax on the net profit deriving from the promoted activity for a period of 5 years counting from the expiry date of the corporate income tax exemption
- (3) Other incentives and privileges will be in accordance the criteria prescribed in BOI Announcement No. 2/2557 dated December 3, 2014

2.2 **Target Clusters** include agro-processing cluster, and textile and garment cluster

- (1) Incentives and privileges will be in accordance with the criteria prescribed in BOI Announcement No. 2/2557 dated December 3, 2014
- (2) A 50 percent reduction from the normal rate of corporate income tax on the net profit deriving from the promoted activity for a period of 5 years counting from the expiry date of the corporate income tax exemption

**2.3 Activities Supporting Cluster Development**

- (1) Incentives and privileges will be in accordance with the criteria prescribed in BOI Announcement No. 2/2557 dated December 3, 2014
- (2) A 50 percent reduction from the normal rate of corporate income tax on the net profit deriving from the promoted activity for a period of 5 years counting from the expiry date of the corporate income tax exemption

3. Conditions

3.1 Must have cooperation with academic institutions, research institutes or Center of Excellence in the Special Economic Development Zones in the form of clusters in a prescribed types of cooperation as follow:

3.1.1 Cooperation under the Talent Mobility, Work-Integrated Learning Project or Cooperative or Dual Systems

3.1.2 Human Resource or Technological Development Cooperation as approved by the Board of Investment

3.2 Must generate revenue within December 31, 2017 unless under necessary circumstances, the Office of the Board of Investment may consider extension as deemed appropriate.

3.3 Must submit application for investment promotion within December 30, 2016

4. Eligible activities for investment promotion for each cluster are as follow:

4.1 **Super Cluster**

4.1.1 Automotive and Parts Cluster

Project must be located in Ayutthaya, Pathum Thani, Chon Buri, Rayong, Cha Cheong Sao, Prachin Buri and Nakhon Ratchasima for the eligible list of activities as follows:

<b>Activities</b>	<b>Conditions</b>
4.7 Manufacture of automobile engines	Project must have part forming, not less than 4 out of 5 parts, as follow: Cylinder Head, Cylinder Block, Crankshaft, Camshaft and Connecting Rod.
4.8 Manufacture of vehicle parts 4.8.1 Manufacture of vehicle parts using high technology including: 4.8.1.1 Substrate for Catalytic Converter 4.8.1.2 Electronic Fuel Injection System 4.8.1.3 Automotive Transmission 4.8.1.4 Electronic Control Unit (ECU) 4.8.2 Manufacture of automobile parts for safety parts and energy-saving parts 4.8.2.1 Anti-Lock Brake System (ABS) or Electronic Brake Force Distribution (EBD)	



Activities	Conditions
4.12 Manufacture of motorcycles (except less than 248 cc engine displacement)	<ol style="list-style-type: none"> <li>1. Project must have forming process of engine parts, as follow: Cylinder Head, Cylinder Block, Crankcase, Crankshaft, Camshaft and Connecting Rod.               <ol style="list-style-type: none"> <li>1.1 For manufacturing motorcycles with more than 248 cc engine displacement but less than 500 cc, project must have forming of not less than 4 out of 6 parts.</li> <li>1.2 For manufacturing of motorcycles with more than 500 cc engine displacement, project must have forming of 2 out of 6 parts.</li> </ol> </li> <li>2. Project must have structural welding process and spray painting process.</li> <li>3. Investment plan for manufacturing and utilization of parts must be submitted and approved by the Board of Investment.</li> </ol>

#### 4.1.2 Electrical Appliances, Electronics and Telecommunication Equipment Cluster

Project must be located in Ayutthaya, Patum Thani, Chon Buri, Rayong, Cha Cheong Sao, Prachin Buri, and Nakhon Ratchasima for the eligible list of activities as follows:

Activities	Conditions
5.1 Manufacture of electrical products 5.1.1 Manufacture of advanced technology electrical products	The electrical products must be able to connect to Internet of Things.
5.2 Manufacture of electrical parts and/or equipment, or parts and/or equipment used for electrical products 5.2.1 Manufacture of power inverters 5.2.1.1 Manufacture of power inverters for industrial use	Must have product design process.
5.3 Manufacture of electronic products 5.3.1 Manufacture of organics and printed electronics (OPE) 5.3.2 Manufacture of telecommunication products 5.3.2.1 Manufacture of emission, transmission and reception devices used in fiber-optic and wireless communication systems 5.3.2.2 Manufacture of other telecommunication products	

Activities	Conditions
<p>5.3.3 Manufacture of electronic control and measurement instruments for industrial/agricultural use</p> <p>5.3.4 Manufacture of security control equipment</p> <p>5.4 Manufacture of parts and/or equipment used for electronic products</p> <p>5.4.1 Manufacture of parts for organic and printed electronics (OPE)</p> <p>5.4.2 Manufacture of solar cells and/or raw materials for solar cells</p> <p>5.4.3 Manufacture of parts for telecommunication products</p> <p>5.4.3.1 Manufacture of parts for emission, transmission and reception devices used in fiber-optic and wireless communication systems</p> <p>5.4.3.2 Manufacture of parts for other telecommunication products</p> <p>5.4.4 Manufacture of parts for electronic control and measurement instruments for industrial/agricultural use, medical/scientific devices and automotive industry</p> <p>5.4.5 Manufacture of parts for security control equipment</p> <p>5.4.6 Manufacture of hard disk drive and/or parts for hard disk drive</p> <p>5.4.6.1 Manufacture of advanced technology hard disk drives and/or parts (excluding top covers, base plates or peripherals)</p> <p>5.4.6.2 Manufacture of hard disk drives and/or parts (excluding top covers, base plates or peripherals)</p> <p>5.4.7 Manufacture of solid state drives and/or parts for solid state drives</p>	<p>The manufacturing process and energy yield for the production of solar cells must be approved by the Board.</p> <p>1. The areal density of hard disk drives must not be less than 2,000 gigabits per square inch.</p> <p>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.</p> <p>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.</p> <p>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.</p>

Activities	Conditions
5.4.8 Manufacture of parts and/or equipment for solar-powered products  5.4.9 Manufacture of semiconductors and/or parts for semiconductors  5.4.10 Manufacture of equipment and/or parts for photonic devices and/or for photonic integrated systems  5.4.11 Manufacture of flat panel displays  5.4.12 Manufacture of flexible printed circuits and/or multi-layer printed circuit boards and/or parts	<p>For the production of integrated circuits, 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.</p> <p>The manufacturing processes must be approved by the Board.</p> <p>The manufacturing processes must be approved by the Board.</p>
5.5 Manufacture of material for microelectronics 5.5.1 Manufacture of wafers  5.5.2 Manufacture of material based on thin-film technology	<ol style="list-style-type: none"> <li>1. The manufacturing processes must be approved by the Board.</li> <li>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.</li> </ol>
5.6 Electronics design 5.6.1 Microelectronics design 5.6.2 Embedded system design	<ol style="list-style-type: none"> <li>1. Projects must have expenses for salaries for electronics design personnel of at least 1,500,000 baht per year.</li> <li>2. Revenue derived from sales or the provision of services that are directly related to a promoted business or which are from downstream production for commercial purposes, either carried by the promoted companies of sub-contractors, shall be regarded as revenue of such promoted businesses.</li> </ol>

#### 4.1.3 Petrochemical and Eco-Friendly Chemical Product Cluster

Project must be located in Chon Buri, and Rayong for the eligible list of activities as follows:

Activities	Conditions
6.2 Manufacture of eco-friendly chemicals or polymers or products from eco-friendly polymers 6.2.1 Manufacture of eco- friendly chemicals or polymers or manufacture of products from eco- friendly chemicals or polymers that is	<ol style="list-style-type: none"> <li>1. The chemicals or polymers need to have less overall impact, assessed throughout their life cycles, on the environment. These products must be certified or can be proved to use raw</li> </ol>

Activities	Conditions
<p>incorporated within the same project as the manufacture of eco- friendly chemicals or polymers</p> <p>6.2.2 Manufacture of products from eco-friendly polymers</p>	<p>materials from renewable resources, or use sustainable green chemistry in the production process, or they must be products that are biodegradable, and do not generate toxic substances.</p> <p>2. Must to be assessed with an internationally-accepted standard such as Life Cycle Assessments (LCA) etc. before the full operation start-up date.</p> <p>Must have plastic forming or coating process using eco-friendly plastics or polymers.</p>
<p>6.5 Manufacture of specialty polymers or specialty chemicals</p>	
<p>6.13 Manufacture paper articles</p> <p>6.13.2 Manufacture of paper container coated with bio-plastics</p>	<p>The production process must contain product coating process using biodegradable plastic.</p>

#### 4.1.4 Digital Cluster

Project must be located in Chiang Mai, and Phuket for the eligible list of activities as follows:

Activities	Conditions
<p>5.7 Software</p> <p>5.7.1 Embedded software</p> <p>5.7.2 Enterprise software and/or digital content</p> <p>Digital content includes:</p> <ul style="list-style-type: none"> <li>- Animation, Cartoons &amp; Characters</li> <li>- Computer Generated Imagery (CGI)</li> <li>- Web-Based Applications and Cloud Computing</li> <li>- Interactive Applications</li> <li>- Games: Windows-based, Mobile Platform, Consoles, PDAs, Online Games, Massive Multi- Player Online Games (MMOG) etc.</li> <li>- Wireless Location Based Service Content</li> <li>- Visual Effects</li> <li>- Multimedia Video Conferencing Applications</li> <li>- E-Learning Content via Broadband and Multimedia</li> </ul>	<ol style="list-style-type: none"> <li>1. Projects must have expenses for salaries for IT-personnel of at least 1,500,000 baht per year.</li> <li>2. Projects must include software development processes specified by the Software Industry Promotion Agency (SIPA).</li> <li>3. Projects with an investment of 10 million baht or more (excluding cost of land and working capital) must obtain a quality standard certificate from SIPA or receive a Capability Maturity Model Integration (CMMI) quality standard certificate or any equivalent standard within two years from the full operation start-up date. If the project fails to meet such conditions, one-year corporate income tax exemption shall be withdrawn.</li> <li>4. Revenue derived from sales or the provision of services that are directly related to a promoted software business shall be regarded as revenue of such promoted businesses.</li> </ol>
<p>7.9 Real estate development for industrial use</p> <p>7.9.1.4 Industrial zone for motion picture production (Movie Town)</p>	<p>Must provide the following facilities:</p> <ul style="list-style-type: none"> <li>- Indoor studio and outdoor studio</li> <li>- Post production services, i.e. film developing and duplicating, special effects, computer animation, sound lab</li> </ul>

Activities	Conditions
7.9.2.2 Software Parks	<ol style="list-style-type: none"> <li>1. Projects must have high-speed fiber-optic main communications systems throughout the area.</li> <li>2. The main telecommunications system must have a high-speed cable from the software park to domestic and international telecommunication centers.</li> <li>3. Continuous back-up of electricity supply must be installed.</li> <li>4. The total area must not be less than 5,000 square meters.</li> </ol>
7.9.2.3 Data center	<ol style="list-style-type: none"> <li>1. Must provide complementary services for customers located in project, e.g. server co-location, managed service, customer's server backup service, disaster recovery services (DRS) etc.</li> <li>2. Area of data center must not be less than 3,000 square meters.</li> <li>3. Must have a main hi-speed telecommunications system linking the data center with domestic and international 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.</li> <li>4. Must be able to service clients during maintenance or during equipment replacement in the system. (concurrently maintainable)</li> <li>5. 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 doesn't function properly.</li> <li>6. Must have equipment or backup system for 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.</li> <li>7. Must have backup independent distribution paths in electricity distribution system.</li> <li>8. Must have a failure prevention system to prevent risks from damage or any malfunction in any equipment.</li> <li>9. Must have a highly efficient air conditioning system, with backup system.</li> <li>10. Must have fire prevention system for the entire area.</li> <li>11. Must have a 24-hour security system.</li> </ol>

Activities	Conditions
	12. Must be certified with ISO/IEC 27001 (data center).
7.10 Cloud service	<ol style="list-style-type: none"> <li>1. Must be located in at least 2 data centers in Thailand that are certified with ISO/IEC 27001 (data center).</li> <li>2. Must have connections among all related data centers with speed of at least 10 Gbps for each connection, with backup connections at the same speed.</li> <li>3. Must be certified with ISO/IEC 27001 (cloud security) and ISO/IEC 20000-1 (cloud service).</li> </ol>
7.20 Thai motion picture production	<ol style="list-style-type: none"> <li>1. Thai motion picture production shall include production of movies, documentaries or television programs, but does not include production of an advertisement.</li> <li>2. Revenue exempt from tax shall include <ol style="list-style-type: none"> <li>2.1 Revenue obtained from the sale of copyright, including sale of motion pictures in other forms such as CD, video CD, DVD, etc.</li> <li>2.2 Revenue obtained from a revenue sharing scheme from movie theaters and motion picture distributor.</li> </ol> </li> </ol>
7.21 Motion picture supporting services	<p>Motion picture supporting services shall include documentaries, television programs, animations and commercials, which have a scope of business as follows:</p> <ol style="list-style-type: none"> <li>1. Rental services of movie production equipment and/or movie production props must have main equipment machinery, such as camera, grip equipment, light set etc.</li> <li>2. Film development and duplication services must have main equipment/machinery, such as film development machine, film duplication machine, digital film duplication machine, etc.</li> <li>3. Sound recording services must have main equipment / machinery, such as digital sound recorder, digital sound editing machine, digital sound mixing machine, etc.</li> <li>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, etc.</li> <li>5. Coordination services for foreign movie production in Thailand must include coordinating with related government agencies for permits, location scouting and</li> </ol>

Activities	Conditions
	sourcing of staff and movie equipment. 6. Studio rental services for movie and television program production.

## 4.2 Target Clusters

### 4.2.1 Agro-processing Cluster

- (1) Project must be located in Chiang Mai, Chiang Rai, Lampang, Lamphun, Khon Kaen, Nakhon Ratchasima, Chaiyaphum, Kan Chana Buri, Ratchaburi, Petchaburi, Prachuab Khiri Khan, Rayong, Chanthaburi, Trat, Chumphon, Surat Thani, Krabi and Songkhla for the eligible list of activities as follows:

Activities	Conditions
1.2 Plant or animal breeding (only those that are not eligible for biotechnology activity)	<ol style="list-style-type: none"> <li>1. Projects must have research and development activity.</li> <li>2. For breeding of sensitive plants according to the policy of the Ministry of Agriculture and Cooperatives, projects must have Thai nationals holding shares totaling not less than 51 percent of the registered capital.</li> <li>3. Revenue derived from plant propagation after plant breeding in the project shall be regarded as revenue of promoted projects, except for the propagation of cassava.</li> </ol>
1.8 Grading, packaging and storage of plants, vegetables, fruits or flowers	<ol style="list-style-type: none"> <li>1. Projects using advanced technology, e.g. fruit ripeness sensor, radio frequency pest control, nuclear magnetic resonance.</li> <li>2. Projects using modern technology, e.g. color sorter, vapor heat treatment to kill fruit fly eggs, seed coating.</li> <li>3. Rice grading must use advanced technology only.</li> </ol>
1.11 Manufacture of natural extracts or products from natural extracts (except for medicine, soap, shampoo, toothpaste and cosmetics)	
1.12 Manufacture of active ingredients from natural raw materials	Projects must be supported by academic study on action and toxicity.
1.18 Manufacture of medical food or food supplements	<ol style="list-style-type: none"> <li>1. For <u>manufacture of medical food</u>, products must be registered as “medical food” by Food and Drug Administration Thailand or other agencies with internationally-accepted standards.</li> <li>2. For <u>manufacture of food supplements</u>, <ol style="list-style-type: none"> <li>2.1 Products must be registered as “food supplements” by the Thai Food and Drug Administration or other agencies with internationally- accepted standards.</li> <li>2.2 Projects must have an active ingredient extraction process.</li> </ol> </li> </ol>

<b>Activities</b>	<b>Conditions</b>
1.20 Trading centers for agricultural goods	<ol style="list-style-type: none"> <li>1. Total area must not be less than 50 rai (80,000 square meters).</li> <li>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 centers, cold storage and silos.</li> <li>3. Inspection, grading and pesticide residue inspection services for agricultural products must be provided.</li> </ol>

(2) Project must be located in Kan Chana Buri, Rayong, and Songkhla for the eligible list of activities as follows:

<b>Activities</b>	<b>Conditions</b>
1.14 Manufacture of natural rubber products (except for rubber bands, rubber balloons and rubber rings) 1.14.2 Manufacture of rubber products	
7.9.1.6 Rubber Industrial Zones (Rubber City)	As specified by the Board

#### 4.2.2 Textile and Garment Cluster

(1) Project must be located in Kan Chana Buri, Nakhon Pathom, Ratchaburi, Samut Sakorn, Chonburi, Cha Cheong Sao, Prachinburi and Sa Kaeo for the eligible list of activities as follows:

<b>Activities</b>	<b>Conditions</b>
3.1 Manufacture of textile products or parts 3.1.1 Manufacture of natural or synthetic fibers 3.1.1.1 Manufacture of technical fiber or functional fiber 3.1.1.2 Manufacture of recycled fiber 3.1.1.3 Manufacture of other fibers 3.1.2 Manufacture of yarn or fabric 3.1.2.1 Manufacture of functional yarn or functional fabric 3.1.2.2 Manufacture of other yarn or fabric	<p>Projects must be approved by related agencies, e.g. Thailand Textile Institute, National Innovation Agency.</p> <p>Projects must use domestic scraps or waste only.</p> <p>Projects must be approved by related agencies, e.g. Thailand Textile Institute, National Innovation Agency.</p> <p>Projects must have investments or expenditures on research, design or product development of not less than 0.5% of the project's total revenue in the first 3 years combined.</p>

<b>Activities</b>	<b>Conditions</b>
3.1.3 Bleaching, dyeing and finishing or printing and finishing or printing	1. Projects must be located or expand in industrial estates or promoted industrial zones that have waste treatment and environmental protection and control systems according to the announcement of the Ministry of Industry. 2. Environment-friendly technology must be used.
3.1.4 Manufacture of garments, clothing accessories, and household textiles	Projects must have investments or expenditures on research, design or product development of not less than 0.5% of the project's total revenue in the first 3 years combined.

(2) Project must be located in Bangkok for the eligible activity as follow:-

<b>Activities</b>	<b>Conditions</b>
3.9 Creative product design and development center	1. Projects must consist of 2 components, as follows: 1.1 Information system for design 1.2 Conceptual design and creation system 2. Projects must consist of one of the following components: 2.1 Engineering design system 2.2 Prototype design creation and performance testing system 2.3 Prototype standard testing and user acceptance testing system 3. At least 70% of total employees in the project must be Thais. 4. Projects must have expenses for salaries for creative product design and development personnel of at least 1,500,000 baht per year.

#### 4.3 Activities Supporting Cluster Development

Project must be located in the cluster area as specify in 4.1 – 4.2 and must carry out activities supporting cluster development as specify for each cluster as follow:

<b>Activities</b>	<b>Conditions</b>
7.1 Public utilities and basic services 7.1.3 Container yards or inland container depots 7.1.4 Loading/unloading facilities for cargo ship 7.1.5 Commercial airports	Must be approved by relevant government agencies. Must use modern loading/unloading machinery as approved by the Board.
7.3 Mass transit systems and large- scale transportation 7.3.1 Rail transport	Must be approved by relevant government agencies.

Activities	Conditions
<p>7.4 Logistics service centers 7.4.2 International distribution centers – IDC</p>	<ol style="list-style-type: none"> <li>1. The paid-up registered capital must not be less than 10 million baht.</li> <li>2. Must provide a goods storage facility that is controlled by a modern computerized system.</li> <li>3. International distribution center projects will have additional conditions, as follows:               <ol style="list-style-type: none"> <li>3.1 Must have a minimum investment (excluding cost of land and working capital) of at least 100 million baht.</li> <li>3.2 The center must distribute goods to at least 5 countries.</li> </ol> </li> </ol>
<p>7.11 Research and development</p>	<ol style="list-style-type: none"> <li>1. Must have scope of business, as follows:           <ol style="list-style-type: none"> <li>1.1 Basic research refers to theoretical or operational activities that are conducted to explore new knowledge from basic natural phenomena and factual observation, without initially considering the application.</li> <li>1.2 Applied Research refers to research that applies basic knowledge to solve or develop a concept for commercial purpose, with objectives to obtain a new product or process. Applied research includes related activities such as formula development, product design, production process design for use at an industrial or commercial level.</li> <li>1.3 Pilot development refers to activities performed to magnify a production scale from basic research and applied research. Pilot development is a development of prototype and/or production process testing in a semi-industrial level to test the market and/or collect information on suitable conditions for a production process to use a product design at an industrial level.</li> <li>1.4 Demonstration development refers to research and development that further develops on results from a pilot development in order to test a production process at an industrial level to verify a technology and production process and to demonstrate the level of integrity of such process and viability on a commercial scale production in both quality control and cost estimation.</li> </ol> </li> <li>2. Must provide the Board with the details and scope of such research and development projects, information on projects' researchers, including number of researchers, academic profiles and work experiences.</li> </ol>

Activities	Conditions
	<ol style="list-style-type: none"> <li>3. Revenues derived from sale of the provision of services that are directly related to a promoted business or which are from downstream production for commercial purposes, either carried by the promoted company or sub-contractor, shall be regarded as revenue of the promoted business.</li> <li>4. Projects located in a promoted science and technology park or one that is approved by the Board will receive an additional 50 per cent reduction in corporate income tax for 5 years after the end of its corporate tax exemption period.</li> <li>5. Must have expenses for salaries of research and development personnel of at least 1,500,000 baht per year.</li> </ol>
<p>7.12 Biotechnology</p> <p>7.12.1 Research and development (R&amp;D) activity and/or manufacturing of seed industry, improvement of plants, animals or microorganisms using biotechnology</p> <p>7.12.2 R&amp;D activity and/or manufacturing of biopharmaceutical agents using biotechnology</p> <p>7.12.3 R&amp;D and/or manufacturing of diagnostic kits for health, agriculture, food and environment</p> <p>7.12.4 R&amp;D and/or manufacturing of biomolecules and bioactive substances using microorganisms, plant cells and animal cells</p> <p>7.12.5 Manufacture of raw materials and/or essential materials for molecular biological research and development, experiment, testing or quality control services and/or production of biological substances</p> <p>7.12.6 Biological substance analysis and/or synthesis services and/or quality control services and/or product validation services</p>	<p>Projects must use modern biotechnology approved by the National Science and Technology Development Agency (NSTDA) or the Thailand Centre of Excellence for Life Sciences (TCELS).</p>
<p>7.13 Engineering design</p>	<p>Must have expenses for salaries of engineering personnel of at least 1,500,000 baht per year.</p>
<p>7.14 Scientific laboratories</p>	
<p>7.15 Calibration services</p>	

<b>Activities</b>	<b>Conditions</b>
7.19 Vocational training centers	<ol style="list-style-type: none"><li>1. Must teach or train technical courses in specific fields, including design training center, as approved by the Board.</li><li>2. Must have necessary equipment, workshops and others</li></ol>

This announcement shall be effective from September 16, 2015 onwards.

Announced on October 27, 2015

(General Prayut Chan-o-cha)  
Chairman of the Board of Investment