

**Thailand BOI's List of Activities Eligible for Investment Promotion  
Section 4: Metal Products, Machinery and Transport Equipment**

Activities	Conditions	Incentives
<p>4.1 Manufacture of metal products including metal parts</p> <p>4.1.1 Products from metal or alloy powder</p> <p>4.1.2 Metal products or metal parts</p> <p>4.1.3 Other metal products including other metal parts</p>	<p>Project must have sintering process</p> <p>Project must have metal forming process continuing from iron/steel casting process (using induction furnace) or iron/steel forging process i.e. machining and stamping within the same project</p> <p>1. Continuous forming process from pressing, pulling casting or forging of non-ferrous metal within the same project</p> <p>2. Forming process i.e. Machining and Stamping</p>	<p>A3</p> <p>A3</p> <p>A4</p> <p>B1</p>
<p>4.2 Surface treatment or anodized surface treatment (except coating or coloring treatment for decoration purpose)</p>	<p>For anodized surface treatment, project must have the following process, e.g. anodizing, etching and engraving</p>	<p>B1</p>
<p>4.3 Heat Treatment</p>	<p>Cyanide is prohibited in the process of heat treatment</p>	<p>A4</p>
<p>4.4 Manufacture of multi-purpose engines and equipment</p>	<p>1. Project must have forming process of main engine parts, e.g. cylinder head, crank case, crankshaft, camshaft, connecting rod, piston and flywheel</p> <p>2. Assembling of multipurpose engine or equipment</p>	<p>A4</p> <p>B1</p>
<p>4.5 Manufacture of machinery, equipment and parts</p> <p>4.5.1 Automation machinery and/or automation equipment with engineering design</p> <p>4.5.2 Machinery, equipment and parts and/or repair of mould and die</p> <p>4.5.3 Assembling of Machinery and machinery equipment</p> <p>4.5.4 Assembling of Robots or Automation Equipment and/or Automation Parts</p>	<p>Projects must design control system using an embedded system.</p> <p>Projects must have part forming process and/or with engineering design</p> <p>Projects must have assembling process as approved by the Board.</p>	<p>A2</p> <p>A3</p> <p>A4</p> <p>A3</p>
<p>4.6 Manufacture of general automobile</p>	<p>Not eligible for merit-based incentives</p>	<p>B1</p>



Activities	Conditions	Incentives
4.8.5.1 Fuel Pump 4.8.5.2 Injection Pump 4.8.5.3 Injector 4.8.5.4 Fuel Pipe/Tube		A4
4.8.6 Manufacture of Transmission System Parts including 4.8.6.1 Sun Gear 4.8.6.2 Ring Gear 4.8.6.3 Shift Gear 4.8.6.4 Transfer Case	Projects must have part forming process and assembling process as approved by the Board	A3
4.8.6.5 Torque Converter	Projects must have part forming process and assembling process as approved by the Board	
4.8.6.6 Carrier	Projects must have part forming process and assembling process as approved by the Board	
4.8.6.7 Propeller Shaft	Projects must have part forming process and assembling process as approved by the Board	
4.8.6.8 Drive Shaft	Projects must have part forming process and assembling process as approved by the Board	
4.8.6.9 Universal Joint	Projects must have part forming process and assembling process as approved by the Board	
4.8.6.10 Differential	Projects must have part forming process and assembling process as approved by the Board	
4.8.6.11 Transmission Case		
4.8.7 Manufacture of Engine System Parts including 4.8.7.1 Turbocharger	Projects must have part forming process and assembling process as approved by the Board	A3
4.8.7.2 Turbocharger Parts including 4.8.7.2.1 Turbine Blade		A4

Activities	Conditions	Incentives
4.8.7.2.2 Turbine Housing		
4.8.7.2.3 Bearing Housing		
4.8.7.3 Cylinder Head		A4
4.8.7.4 Cylinder Block		A4
4.8.7.5 Crankshaft		A4
4.8.7.6 Camshaft		A4
4.8.7.7 Connecting Rod		A4
4.8.7.8 Valve		A4
4.8.7.9 Piston		A4
4.8.7.10 Gear		A4
4.8.8 Manufacture of Safety Parts including		
4.8.8.1 Air Bags/Safety Belts		A4
4.8.8.2 Air Bags Inflator, Gas Generators, Gas Generant		A3
4.8.8.3 Parts for Air Bags, i.e. Initiators and Coolant Filters		A4
4.8.8.4 Parts for Safety Belts, i.e. Interlock and Retractor		A4
4.8.9 Manufacture of Brake System Parts including		
4.8.9.1 Brake Booster		A4
4.8.9.2 Brake Caliper		A4
4.8.9.3 Brake Master Cylinder		A4
4.8.9.4 Brake Wheel Cylinder		A4
4.8.9.5 Wheel Hub		A4
4.8.9.6 Brake Pipe Tube		A4
4.8.9.7 Brake Set		A4
4.8.10 Manufacture of Suspension System Parts including		
4.8.10.1 Shock Absorber	Projects must have part forming process and assembling process as approved by the Board	A4
4.8.10.2 Ball Joint		A4
4.8.11 Manufacture of Steering System Parts including		
4.8.11.1 Power Steering Pump	Projects must have part forming process and assembling process as approved by the Board	A4

Activities	Conditions	Incentives
<p>4.8.11.2 Rack and Pinion Steering</p> <p>4.8.12 Manufacture of Cooling System Parts including</p> <p>4.8.12.1 Water Pump</p> <p>4.8.13 Manufacture of Exhaust System Parts including</p> <p>4.8.13.1 Catalytic Convertor</p> <p>4.8.13.2 Exhaust Catalyst</p> <p>4.8.14 Manufacture of Air Conditioning System Parts including</p> <p>4.8.14.1 Air Compressor</p> <p>4.8.15 Manufacture of Ultimate Tensile Strength Steel</p> <p>4.8.16 Manufacture of Ball Bearing for Vehicles</p> <p>4.8.17 Manufacture of other vehicle parts</p>	<p>Projects must have part forming process and assembling process as approved by the Board</p> <p>Projects must have part forming process and assembling process as approved by the Board</p> <p>Projects must have part forming process and assembling process as approved by the Board</p> <p>Projects must use Ultimate Tensile Strength (UTS) Steel higher than 700 MPa.</p> <p>Projects must manufacture steel ball</p>	<p>A4</p> <p>A4</p> <p>A4</p> <p>A4</p> <p>A4</p> <p>B1</p>
<p>4.9 Building or repair of ships</p> <p>4.9.1 Building or repair of Ships not less than 500 Tons gross</p> <p>4.9.2 Building or repair of Ships less than 500 Tons gross (only steel or fiber glass ships with installed engine and equipment)</p>	<p>Projects must obtain ISO 14000 within 2 years from start of operation date years from starting of operation date</p>	<p>A2</p> <p>A2</p>
<p>4.10 Manufacture of Trains or electric trains or equipment or parts (only rail system)</p>		<p>A2</p>
<p>4.11 Manufacture or repair of aerospace, including equipment or components</p> <p>4.11.1 Manufacture of Aircraft or Aircraft Parts such as airframe, critical parts (e.g. Engine and parts, Propeller), appliance (e.g. Flight recorder, Radar), equipment and other components</p> <p>4.11.2 Manufacture of Onboard devices and equipment (except disposable and reusable aircraft utilities and supplies) such as seats, life vests, trolley, galley, etc.</p>		<p>A1</p> <p>A3</p>

Activities	Conditions	Incentives
<p>4.11.3 Repair of Aircraft or Aircraft parts.</p> <p>4.11.4 Repair of Onboard Devices and Equipment (except disposable and reusable aircraft utilities and supplies)</p> <p>4.11.5 Manufacture of Aerospace Devices and Equipment such as devices or equipment related to rockets/spacecraft/ space vehicles/propulsion units and auxiliary equipment, etc.</p> <p>4.11.6 Aerospace Operating Systems such as search, detection, navigation, guidance, aeronautical, nautical systems and instruments, etc.</p>	<p>Must be approved by related agencies such as Geo-Informatics and the Space Technology Development Agency (Public Organization).</p> <p>Must be approved by related agencies such as Geo-Informatics and the Space Technology Development Agency (Public Organization).</p>	<p>A2</p> <p>A4</p> <p>A1</p> <p>A1</p>
<p>4.12 Manufacture of motorcycles (except less than 248 cc engine displacement)</p>	<p>1. Project must have forming process of engine parts, as follows: Cylinder Head, Cylinder Block, Crankshaft, Crankcase, Camshaft and Connecting Rod</p> <p>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.</p> <p>1.2 For manufacturing of motorcycles with more than 500 cc engine displacement, project must have forming of 2 out of 6 parts.</p> <p>2. Project must have structural welding Process and spray painting process.</p> <p>3. Investment plan for manufacturing and utilization of parts must be submitted and approved by the Board of Investment.</p>	<p>A3 (must follow conditions 1-3)</p> <p>B1 (must follow conditions 2-3)</p>
<p>4.13 Manufacture of Fuel Cells</p>		<p>A2</p>
<p>4.14 Fabrication industry or platform repair for petroleum industry</p> <p>4.14.1 Fabrication industry or platform repair with engineering design</p> <p>4.14.2 Fabrication industry or platform repair for petroleum industry</p>		<p>A3</p> <p>A4</p>

<b>Activities</b>	<b>Conditions</b>	<b>Incentives</b>
<p>4.15 Manufacture of science equipment</p> <p>4.15.1 Scientific equipment using high technology</p> <p>4.15.2 Other scientific equipment</p>	<p>Scientific equipment must be able to measure parameter value, process data and self-report the result or automatically measure and control the parameter.</p>	<p>A2</p> <p>A3</p>