

(Unofficial Translation)

**Office of the Board of Investment Announcement**  
**No. Por. 7/2543**  
**Guidelines for the Approval of Import Duty Reduction on Raw or Essential Materials**

Section 30 of the Investment Promotion Act B.E. 2520 empowers the Board of Investment to grant a reduction of import duties on raw or essential materials which are not produced or assembled in the Kingdom, which are not of similar quality to those produced abroad or which are not adequate to accommodate the demand.

For the purpose of appropriateness and clarity in approving the reduction of import duties on raw or essential materials, by virtue of section 13 of the Investment Promotion Act B.E. 2520, the Office of the Board of Investment hereby announces guidelines for the approval of import duty reduction on raw or essential materials, as follows:

1. The raw or essential materials shall be of the type that cannot not be produced or assembled domestically. A list of raw or essential materials that are produced or assembled in the Kingdom is attached to this announcement.
2. The raw or essential materials shall be in accordance with the OBOI's definition of raw or essential materials.
3. In cases where raw or essential materials can be produced domestically but their quality, quantity or specifications are not at a level that can be used to manufacture or assemble products, promoted persons shall submit a letter to the OBOI, certified by the raw or essential materials' domestic producers or by related agencies.

This announcement shall apply to the import of raw or essential materials from 1 September 2000 onwards.

Announced on 22 August 2000

Staporn Kavitanon  
Secretary General, Board of Investment

## **List of raw or essential materials that are produced or assembled in the Kingdom**

### **1. Chemicals and petrochemicals**

- 1.1 Acetal
- 1.2 Acetic Acid
- 1.3 Acetylene
- 1.4 Acrylic Fibre
- 1.5 Acrylic Monomer
- 1.6 Acrylic Polymer
- 1.7 Acrylic Resin including compounded Acrylic Resin
- 1.8 Acrylonitrile Butadiene Styrene (ABS) including compounded ABS
- 1.9 Acrylonitrile Styrene (AS) including compounded AS
- 1.10 Activated Carbon
- 1.11 Activated Clay
- 1.12 Adhesive (Bonding Agent)
- 1.13 Adhesive (PVC)
- 1.14 Alcohol (Ethyl and Furfural)
- 1.15 Alkyd Resin including compounded Alkyd Resin
- 1.16 Aluminium Silicate
- 1.17 Aluminium Sulphate
- 1.18 Aluminium Trihydrate
- 1.19 Ammonium Hydroxide
- 1.20 Ammonium Nitrate
- 1.21 Ammonium Sulphate
- 1.22 Argon
- 1.23 Azodicarbonamide (AC)
- 1.24 Barium Stearate
- 1.25 Bentonite
- 1.26 Benzene
- 1.27 Benzalkonium Chloride
- 1.28 Beta-Naphthol
- 1.29 Biocide
- 1.30 Boric Acid
- 1.31 Bromine Cobalt
- 1.32 Butadiene
- 1.33 Butadiene Rubber (BR)
- 1.34 Cadmium Stearate
- 1.35 Calcium Carbonate
- 1.36 Calcium Dioxide
- 1.37 Calcium Hydroxide
- 1.38 Calcium Hypochlorite

- 1.39 Calcium Oxide
- 1.40 Calcium Phosphate
- 1.41 Calcium Stearate
- 1.42 Caprolactam
- 1.43 Carbon Black
- 1.44 Carbon Dioxide
- 1.45 Carbon Monoxide
- 1.46 Carbon-Di-Sulphide
- 1.47 Carboxylates & Esters
- 1.48 Chitin & Chitosan
- 1.49 Chlorinated Paraffin
- 1.50 Chlorine
- 1.51 Choline Chloride
- 1.52 Chromium Sulphate
- 1.53 Citric Acid
- 1.54 Glycerol Monostearate
- 1.55 Cobalt Acetate
- 1.56 Copolymer of 2-Ethylhexylmethacrylate & Methylacrylate
- 1.57 Copper Chloride
- 1.58 Copper Oxide
- 1.59 Copper Sulphate
- 1.60 Dibasic Lead Phosphate
- 1.61 Dibasic Lead Stearate
- 1.62 Dicalcium Phosphate
- 1.63 Disodium Phosphate
- 1.64 Disodium Pyrophosphate
- 1.65 Dyestuff
- 1.66 Drilling Mud
- 1.67 Emulsion
- 1.68 Epichlorohydrin
- 1.69 Epoxy Resin including compounded Epoxy Resin
- 1.70 Ethyl Acetate
- 1.71 Ethylene
- 1.72 Ethylene Vinyl Acetate (EVA)
- 1.73 Expandible Polystyrene (EPS)
- 1.74 Extracted Corn Oil
- 1.75 Fatty Acid
- 1.76 Fatty Acid Ester
- 1.77 Fatty Alcohol Surfactant
- 1.78 Ferric Chloride
- 1.79 Ferro Silicon

- 1.80 Formaldehyde
- 1.81 Formic Acid
- 1.82 Furan Corrosion Resist Resin
- 1.83 Furfural
- 1.84 Ferrrous Sulphate
- 1.85 Glutamic Acid
- 1.86 Glycerine
- 1.87 High Density Polyethylene (HDPE) including compounded HDPE
- 1.88 Hydrochloric Acid
- 1.89 Hydrofluoric Acid
- 1.90 Hydrogen
- 1.91 Hydrogen Peroxide
- 1.92 Hydrogenated Caster Oil Wax
- 1.93 Hydrogenated Palm Oil
- 1.94 Hydrogenated Saccharide
- 1.95 Hydroxy-Stearic Acid
- 1.96 Iso-Butyl Acetate
- 1.97 Lacquer
- 1.98 Latex Emulsions
- 1.99 Lead Octoate
- 1.100 Lead Oxide (Litharge)
- 1.101 Lead Stearate
- 1.102 Linear Low Density Polyethylene (LLDPE) including compounded LLDPE
- 1.103 Low Density Polyethylene (LDPE) including compounded LDPE
- 1.104 Maltitol Crystal Powder & Maltitol Liquid
- 1.105 Manganese Acetate
- 1.106 Melamine Formaldehyde
- 1.107 Methyl Methacrylate (MMA)
- 1.108 Methyl-tert-butyl Ether (MTBE)
- 1.109 Mixed C-4
- 1.110 Mono Sodium Phosphate
- 1.111 Mono-Di-Calcium Phosphate
- 1.112 Monosodium Glutamate
- 1.113 Monosodium Phosphate
- 1.114 Muriate of Potash
- 1.115 Natural Caffeine
- 1.116 Nickel Chloride
- 1.117 Nickel Sulfate
- 1.118 Nitric Acid
- 1.119 Nitrogen
- 1.120 Nitrous Oxide

- 1.121 Nylon Chip including compounded Nylon Chip
- 1.122 Nylon Fibre
- 1.123 Oleo Derivative Product
- 1.124 Palm Oil Shortening
- 1.125 Paracetamol
- 1.126 PE Foam
- 1.127 Pentadiene (C-5 Resin)
- 1.128 Phenol Formaldehyde or Phenolic Resin
- 1.129 Phosphoric Acid
- 1.130 Photographic Solution
- 1.131 Phthalic Anhydride (PA)
- 1.132 Pigment Dispersant
- 1.133 Plasticizer (DOP, DBP, DINP)
- 1.134 Poly Acetal (POM) including compounded POM
- 1.135 Poly Acrylic Acid
- 1.136 Poly Propylene (PP) including compounded PP
- 1.137 Poly Urethane Foam
- 1.138 Polyacrylate Dispersion
- 1.139 Polybutadiene
- 1.140 Polycarbonate (PC) including compounded PC
- 1.141 Polyester Fibre
- 1.142 Polyester Chip
- 1.143 Polyether Polyol
- 1.144 Polyethylene Terephthalate (PET)
- 1.145 Polymer Dispersions
- 1.146 Polymer Emulsion
- 1.147 Polymethyl Methacrylate (PMMA)
- 1.148 Polystyrene (PS) including compounded PS
- 1.149 Polyurethane
- 1.150 Polyvinyl Acetate
- 1.151 Polyvinylchloride (PVC) including compounded PVC
- 1.152 Potash Alum
- 1.153 Potassium Carbonate
- 1.154 Potassium Hydroxide
- 1.155 Primer
- 1.156 Propylene
- 1.157 Pure-Terephthalic Acid (PTA)
- 1.158 PVC Paste including compounded PVC Paste
- 1.159 PVC Stabilizer
- 1.160 Rayon Fibre
- 1.161 Rosin Derivative

- 1.162 Rosin Dispersion
- 1.163 Rubber Adhesive
- 1.164 Saturated Polyester
- 1.165 Sealant
- 1.166 Silica
- 1.167 Silicon Dioxide
- 1.168 Silicon Oxide
- 1.169 Sodium Acetate
- 1.170 Sodium Aluminium Silicate
- 1.171 Sodium Bicarbonate
- 1.172 Sodium Carboxy Methyl Cellulose
- 1.173 Sodium Chloride
- 1.174 Sodium Hexa Meta Phosphate
- 1.175 Sodium Hydroxide (Caustic Soda)
- 1.176 Sodium Hypochlorite
- 1.177 Sodium Lauryl Sulphate/Ester
- 1.178 Sodium Silicate
- 1.179 Sodium Sulphate
- 1.180 Sodium Sulphite
- 1.181 Sodium Tripolyphosphate
- 1.182 Sorbitol
- 1.183 Sorbitan Mono-Oleate
- 1.184 Stearic Acid
- 1.185 Styrene Acrylic Polymer
- 1.186 Styrene Butadiene Rubber (SBR)
- 1.187 Styrene Monomer (SM)
- 1.188 Sulphur
- 1.189 Sulphuric Acid
- 1.190 Super Absorbent Polymer (SAP)
- 1.191 Synthetic Cubic Zirconia
- 1.192 Synthetic Resin ( Adhesive, Coating, Varnish)
- 1.193 Tanning Agent & Additive
- 1.194 Tetra Sodium Pyrophosphate
- 1.195 Thinner
- 1.196 Toluene
- 1.197 Tribasic Lead Sulphate
- 1.198 Trisodium Phosphate Anhydrous
- 1.199 Trisodium Phosphate Crystal
- 1.200 Unsaturated Polyester
- 1.201 Urea Formaldehyde
- 1.202 Urea Stearate

- 1.203 Vinylchloride Monomer (VCM)
- 1.204 Viscose Rayon Staple Fibre
- 1.205 Wax (Artificial, Petroleum and Paraffin)
- 1.206 Wax Dispersion
- 1.207 Xylene (O-Xylene, P-Xylene, Mixed-Xylene)
- 1.208 Zeolite
- 1.209 Zinc Chloride
- 1.210 Zinc Oxide
- 1.211 Zinc Stearate
- 1.212 Zinc Sulphate
- 1.213 Zirconium Silicate

## **2. Plastic parts and synthetic rubber**

- 2.1 Formed rubber parts such as O-Rings, drain hoses, cushions, rubber boots, grommets etc.
- 2.2 Various types of plastic bags, including antistatic types
- 2.3 PVC gloves
- 2.4 Sand-coated plastics
- 2.5 Fiber glass pipes
- 2.6 Plastic pipes and fittings such as pipes made of Polyvinylchloride (PVC), Polyethylene (PE), Polybutadiene (PB), High Density Polyethylene (HDPE) and Polypropylene (PP) and joints, valves and flanges made of PVC, PE, PB, HDPE and PP etc.
- 2.7 Plastic sheet products
- 2.8 Synthetic rubber products such as rubber keypad, roller rubber etc.
- 2.9 Plastic products and parts formed by injection, blow molding, extrusion, vacuum (thermo) forming and inflation such as electronic parts, packages, automotive parts, construction appliances
- 2.10 Nonwoven synthetic fabrics
- 2.11 Plastic sheets such as Polyvinylchloride (PVC) sheets and film, Polyethylene (PE) sheets, Polypropylene (PP) sheets, etc.
- 2.12 Synthetic sponges and foam rubber
- 2.13 Plastic films such as BOPP, OPP, PVC, PP etc., whether or not design-printed

## **3. Electronic parts and electrical appliances**

- 3.1 Buzzers
- 3.2 Deflection yokes (DY)
- 3.3 Generators and alternators
- 3.4 Heat sinks
- 3.5 Printed Circuit Boards (PCB)
- 3.6 Printed Circuit Board Assembly (PCBA)
- 3.7 Compressors
- 3.8 Coils
- 3.9 Different kinds of capacitors

- 3.10 Ordinary electric lamps ets, ballasts, fluoeres cent, starters, electric lamps
- 3.11 Wiring harnesses
- 3.12 Diodes
- 3.13 Resistors
- 3.14 Plugs and sock ets
- 3.15 Transistors
- 3.16 Batteries
- 3.17 Fuses
- 3.18 Electric motors, compressor motors, single- phase induction motors, three-phase induction motors
- 3.19 Microphones
- 3.20 Enameled wires
- 3.21 Speakers
- 3.22 High voltage and low voltage bushing
- 3.23 Integrated Circuits (IC)
- 3.24 Electric switch and circuit breakers
- 3.25 Telephonic wires and different kinds of electric wires including Bus Bar
- 3.26 Electrical transformers
- 3.27 Panels and funnels for Cathode Ray Tube (CRT)
- 3.28 Cathode Ray Tubes (CRT)

#### **4. Metal parts and products**

- 4.1 Machining parts
- 4.2 Brass bolts and extruded aluminium
- 4.3 Faucets
- 4.4 Sintered products
- 4.5 Forging parts
- 4.6 Stamping parts
- 4.7 Casting or die casting parts
- 4.8 Copper pipes
- 4.9 Stainless pipes and seamed steel pipes
- 4.10 Hinges
- 4.11 Brass lock-gates, cast iron lock-gates, steel lock-gates
- 4.12 Stranded wire, copper wire, steel wire
- 4.13 Screws and nuts
- 4.14 Hot-rolled and cold-rolled s ection steel, structural steel for high-voltage electrical towers, flat and square steel bars, deformed bars, re-rolled bars and steel round bars
- 4.15 Hot-rolled steel, cold-rolled steel, tin or zinc coated steel sheets and steel plates
- 4.16 Aluminium extrusion bars

#### **5. Pulp and paper products**

- 5.1 Filter paper and battery separator papers

- 5.2 Paper board
- 5.3 Kraft paper and corrugated paper
- 5.4 Self-carbon paper and ink-jet printing paper
- 5.5 Printing/writing paper
- 5.6 Transfer paper
- 5.7 Carbonizing base paper
- 5.8 Newsprint
- 5.9 Tissue paper
- 5.10 Paper products
- 5.11 Short-fibre pulp

**6. Other raw materials**

- 6.1 Packaging materials
  - 6.2 Printing materials
  - 6.3 Tempered safety glass, glass sheets and colored glass sheets
  - 6.4 Disposable syringes
  - 6.5 Floor tiles, wall tiles, asbestos-cement tiles, ceramic tiles and plastic tiles
  - 6.6 Safety valves
  - 6.7 Fiber glass heat insulators
  - 6.8 Fabric products
  - 6.9 All kinds of fabrics
  - 6.10 Prefabricated insulator sheets for building walls and cold rooms
  - 6.11 Formica, gypsum boards and plywood
  - 6.12 Welding rods
  - 6.13 Rubber and tarpaulin conveyors
  - 6.14 Refractory bricks
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