

Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
<b>I. Farming, Forestry, Animal Husbandry and Fishery Industries</b>	<b>I. Farming, Forestry, Animal Husbandry and Fishery Industries</b>		
(1) Planting, development and production of woody edible oil, ingredient and industrial raw material	1. Planting, development and production of woody edible oil, ingredient and industrial raw material		
(2) Cultivation technologies development and production of green and organic vegetables (including edible fungus, watermelon and melon), dried and fresh fruits and tea	2. Cultivation technologies development and production of green and organic vegetables (including edible fungus, watermelon and melon), dried and fresh fruits and tea		
(3) New technology development and production of sugar-yielding crops, fruit trees, forage grass	3. New technology development and production of sugar-yielding crops, fruit trees, forage grass		
(4) Production of flowers and plants, and construction and operation of nursery base	4. Production of flowers and plants, and construction and operation of nursery base		
(5) Planting of rubber, oil palm, sisals and coffees	5. Planting of rubber, oil palm, sisals and coffees		
(6) Cultivation of traditional Chinese medicines (limited to equity joint venture and contractual joint venture)	6. Cultivation of traditional Chinese medicines		
(7) Reusing in fields and comprehensive utilization of straws and stalks of crop, development and production of resources of organic fertilizers	7. Reusing in fields and comprehensive utilization of straws and stalks of crop, development and production of resources of organic fertilizers		
(8) Planting of forest trees (including bamboo) and cultivation of fine strains of forest trees and cultivation of new breed varieties of polyploid trees			
(9) Breeding of aquatic offspring (excluding precious quality varieties peculiar to China)	8. Planting of forest trees (including bamboo) and cultivation of fine strains of forest trees and cultivation of new breed varieties of polyploid trees		
(10) Construction and operation of ecological environment protection projects preventing and treating desertification and soil erosion such as planting trees and grasses, etc.	9. Construction and operation of ecological environment protection projects preventing and treating desertification and soil erosion such as planting trees and grasses, etc.		
(11) Breeding of aquatic products, cage culture in deep water, large-scale breeding of aquatic products and breeding of eco-ocean products	10. Breeding of aquatic products, cage culture in deep water, large-scale breeding of aquatic products and breeding of eco-ocean products		
<b>II. Mining and Quarrying Industries</b>	<b>II. Mining and Quarrying Industries</b>		
(1) Prospecting, exploitation and utilization of coal-bed gas (limited to equity joint venture and contractual joint venture)			
(2) Venture prospecting and exploitation of petroleum, natural gas (limited to equity joint venture and contractual joint venture)	11. Venture prospecting and exploitation of petroleum, natural gas (including unconventional oil and gas resources, such as oil shale, oil sand, shale gas, Coalbed Methane), utilizing mine gas (limited to equity joint venture and contractual joint venture)		
(3) Exploitation of oil and gas deposits (fields) with low osmosis (limited to equity joint venture and contractual joint venture)			
(4) Development and application of new technologies that can increase the recovery factor of crude oil (limited to equity joint venture and contractual joint venture)	12. Development and application of new technologies that can increase the recovery factor of crude oil (With the form of engineering services)		
(5) Development and application of new technologies for prospecting and exploitation of petroleum, such as geophysical prospecting, well drilling, well-logging and downhole operation, etc. (limited to equity joint venture and contractual joint venture)	13. Development and application of new technologies for prospecting and exploitation of petroleum, such as geophysical prospecting, well drilling, well-logging and downhole operation, etc.		
(6) Prospecting and exploitation of such conventional oil resources as oil shale, oil sand, heavy oil and super heavy oil(limited to equity joint venture and contractual joint venture)			
(7) Prospecting, exploitation, and beneficiation of iron ores and manganese ores			
(8) Development and application of new technologies for improving the utilization of tailings and the comprehensive utilization of recovery technology of the mine ecology	14. Development and application of new technologies for improving the utilization of tailings and the comprehensive utilization of recovery technology of the mine ecology		
(9) Prospecting and exploitation of unconventional natural gas resources such as shale gas and submarine natural gas hydrate (limited to equity joint venture and contractual joint venture)			

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	15. Exploration, exploitation and ore dressing of rare ores in China (e.g. potassium, chromite, etc.)		
<b>III. Manufacturing Industries</b>	<b>III. Manufacturing Industries</b>		
<b>1. Farm Products Processing Industry</b>	<b>1) Farm Products Processing Industry</b>		
(1) Development and production of biology feeds, straws and stalks feeds and aquatic feeds	16. Development of green pollution-free feeds and additives		
(2) Aquatic products processing, seashell products cleansing and processing, and development of function food made from seaweed	17. Aquatic products processing, seashell products cleansing and processing, and development of function food made from seaweed		
(3) Processing of vegetables, dried and fresh fruits, fowl and livestock products	18. Processing of vegetables, dried and fresh fruits, fowl and livestock products		
<b>2. Food Manufacturing Industry</b>	<b>2) Food Manufacturing Industry</b>		
(1) Development and production of food for babies and agedness, as well as health-care food	19. Development and production of food for babies and agedness, as well as health-care food		
(2) Development and production of forest food	20. Development and production of forest food		
(3) Production of natural additive for foodstuff and food ingredients	21. Development and production of natural additive for foodstuff and new natural spices technology		
<b>3. Drinks Manufacturing Industry</b>	<b>3. Drinks Manufacturing Industry</b>		
(1) Development and production of drinks of fruits, vegetables, albumen, tea, coffee and vegetables	22. Development and production of drinks of fruits, vegetables, albumen, tea, coffee and vegetables		
<b>4. Tobacco Processing Industry</b>			
(1) Production of secondary cellulose acetate and processing of tows (limited to equity joint venture and contractual joint venture)			
<b>5. Textile Industry</b>	<b>4) Textile Industry</b>		
(1) Production of multifunctional textiles of lightweight, high-intensity, thermostability, cold-endurance, chemical-resistance and light fastness for industrial use made with non-woven, machine knitting, knitting, and combined technologies	23. Production of multifunctional textiles of lightweight, high-intensity, thermostability, cold-endurance, chemical-resistance and light fastness for industrial use made with non-woven, machine knitting, knitting, and combined technologies		
(2) Weaving and dyeing as well as post dressing of high-grade loomage face fabric made with advanced technologies and equipment of energy-saving and emission reduction	24. Printing and dyeing as well as post dressing of high-grade loomage face fabric made with advanced technologies and equipment of energy-saving and emission reduction		
(3) Processing of special natural fiber products satisfying the requirement of comprehensive utilization of ecology and resources and environment protection (including animal fiber, fibrilia, silk and colored cotton such as cashmere)	25. Processing of special natural fiber products satisfying the requirement of comprehensive utilization of ecology and resources and environment protection (including animal fiber, fibrilia, silk and colored cotton such as cashmere)		
	<b>5) Textile Apparel and Clothing Industry</b>		
(4) Production of clothes with computer integrated manufacturing system	26. Production of clothes with computer integrated manufacturing system		
(5) Production of functional, environment-friendly and special clothes	27. Production of functional and special clothes		
(6) Production of top-grade carpet, embroider and drawnwork product			
<b>6. Leather, Coat and Feather (Down and Feather) Products Industry</b>	<b>6) Leather, Coat, Feather Products Industry and Shoemaking Industry</b>		
(1) Cleaning processing of leather and fur	28. Cleaning processing of leather and fur		
(2) Post ornament and processing of leather with new technology	29. Post ornament and processing of leather with new technology		
(3) Top-grade leather processing			
(4) Comprehensive use of leather waste	30. Comprehensive use of leather waste		
<b>7. Lumber Processing Industry and Wood Bamboo, Bine, Palm, Grass Products Industry</b>	<b>7) Lumber Processing Industry and Wood Bamboo, Bine, Palm, Grass Products Industry</b>		
(1) Development and production of new technology and products for the comprehensive utilization of "sub-quality, small wood and fuel wood" and bamboo in the forest area	31. Development and production of new technology and products for the comprehensive utilization of "sub-quality, small wood and fuel wood" and bamboo in the forest area		
<b>8. Paper Making and Paper Products Industry</b>			

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(1) Production of chemical wood pulp with an annual production capacity of over 300 thousand tons by a single production line, chemical mechanical wood pulp with an annual production capacity of over 100 thousand tons by a single production line and concurrent high-end paper and paperboard production mainly with overseas lumber resources			
	<b>8) Stationary, Art Products, Sporting Goods and Recreational Products Industry</b>		
	32. Production of top-grade carpet, embroider and drawnwork product		
<b>9. Petroleum Refining and Coking, Nuclear Fuel Processing Industry</b>	<b>9) Petroleum Refining and Coking, Nuclear Fuel Processing Industry</b>		
(1) Deep processing of needle coke and coal tar			
	33. Creosote processing, wash oil processing, and high-end utilizing of coal tar pitch		
<b>10. Chemical Raw Material and Products Manufacturing Industry</b>	<b>10) Chemical Raw Material and Products Manufacturing Industry</b>		
(1) Development and production of new-type downstream products of sodium-process bleaching powder, polyvinyl chloride and organosilicon	34. Development and production of new-type downstream products of polyvinyl chloride and organosilicon		
(2) Production of supporting raw materials for synthesized materials: production of propylene oxide by epoxidation of propylene with hydrogen peroxide, epoxy chloropropane from glycerol, NDC and CHDM	35. Production of supporting raw materials for synthesized materials: production of propylene oxide by epoxidation of propylene with hydrogen peroxide, NDC and CHDM, butadiene adiponitrile and HMDA with an annual production capacity of over 5 tons.		
(3) Production of synthetic fibre raw materials: precision terephthalic acid, vinyl cyanide, caprolactam, nylon 66 salt and polyurethane elastic fiber and 1, 3-propanediol	36. Production of synthetic fibre raw materials: nylon 66 salt and 1, 3-propanediol		
(4) Production of synthetic rubber: liquid butadiene styrene rubber by butadiene method(excluding styrene-butadiene rubber), high cis-1, 4-polybutadiene rubber, butyl rubber, isoamyl rubber, polyurethane rubber, acrylic rubber, chlorophydrin rubber, ethylene-propylene-rubber, fluororubber, silicon rubber and other special rubber production)	37. Production of synthetic rubber: liquid butadiene styrene rubber by butadiene method(excluding styrene-butadiene rubber), high cis-1, 4-polybutadiene rubber, butyl rubber, isoamyl rubber, polyurethane rubber, acrylic rubber, chlorophydrin rubber, ethylene-propylene-rubber, fluororubber, silicon rubber and other special rubber production)	37. Production of synthetic rubber: <del>liquid-butadiene-styrene-rubber-by-butadiene-method(excluding-styrene-butadiene-rubber), high-cis-1, 4-polybutadiene-rubber, butyl-rubber,</del> isoamyl rubber, polyurethane rubber, acrylic rubber, chlorophydrin rubber, ethylene-propylene-rubber, fluororubber, silicon rubber and other special rubber production)	Delete "liquid butadiene styrene rubber by butadiene method(excluding styrene-butadiene rubber), high cis-1, 4-polybutadiene rubber", butyl rubber  <u>Less encouraged</u>
(5) Production of engineering plastics and plastic alloys: PC with an annual production capacity of over 60 thousand tons, POM, polyamide (nylon 6, nylon 66, nylon 11 and nylon 12), EVA, polyphenylene sulfide, PEEK, polyimide, polysulfone, polyether sulphone, PAR, liquid crystal polymer and other products	38. Production of engineering plastics and plastic alloys: PC with an annual production capacity of over 60 thousand tons, homopolymerized POM, polyphenylene sulfide, PEEK, polyimide, polysulfone, polyether sulphone, PAR, liquid crystal polymer and other products	38. Production of engineering plastics and plastic alloys: PC with an annual production capacity of over 60 thousand tons, homopolymerized POM, polyphenylene sulfide, PEEK, polyimide, polysulfone, polyether sulphone, PAR, <u>modified polyphenylene ether material</u> , liquid crystal polymer and other products	Add modified polyphenylene ether material  <u>More are encouraged</u>
(6) Fine chemistry industry: new products and technology for catalytic agent; processing technology for the commercialization of dye (pigment); production of high-tech chemicals for electronics and paper-making, food additives, feed additives, leather chemical products (excluding N,N-dimethylformamide), oil-well auxiliaries, surface active agent, water treatment agent, adhesivcs, inorganic fibre, inorganic nanomaterial production and deep processing of pigment encapsulation.	39. Fine chemistry industry: new products and technology for catalytic agent; processing technology for the commercialization of dye (pigment); production of high-tech chemicals for electronics and paper-making, leather chemical products (excluding N,N-dimethylformamide), oil-well auxiliaries, surface active agent, water treatment agent, adhesivcs, inorganic fibre, inorganic nanomaterial production and deep processing of pigment encapsulation.		
(7) Production of environment-friendly printing ink and environment-friendly arene-oil	40. Production of environment-friendly printing ink and environment-friendly arene-oil		

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(8) Production of nature spices, synthetic spices and single ion spices	41. Production of nature spices, synthetic spices and single ion spices		
(9) Production of high capability coatings, water automotive coatings and assorted water resin	42. Production of high capability coatings, water automotive coatings and assorted water resin		
(10) Production of chlorofluorocarbon substitution			
(11) Production of fluororesin, fluorine film materials, fluorine-containing intermediate products for medical use, environment-friendly cryogen and detergent	43. Production of fluororesin, fluorine film materials, fluorine-containing intermediate products for medical use, environment-friendly fluoride cryogen, detergent and foaming agent		
(12) Production of fluorine recycling from phosphorus chemicals and aluminum smelting	44. Production of fluorine recycling from phosphorus chemicals and aluminum smelting		
(13) Development and production of new technology and products for the forestry chemicals	45. Development and production of new technology and products for the forestry chemicals		
(14) Development and production of inorganic, organic and biologic films for environment protection	46. Development and production of inorganic, organic and biologic films for environment protection		
(15) Development and production of new-type fertilizer: biologic fertilizer, high-density fertilizer, compound fertilizer, controlled release fertilizer, compound microbial inoculant, Compound microbial manure, degradation agent for stalks and garbage and microbial preparation of special functions	47. Development and production of new-type fertilizer: high-density fertilizer, compound microbial inoculant, Compound microbial manure, degradation agent for stalks and garbage and microbial preparation of special functions		
(16) Development and production of effective, safe and environment-friendly new varieties, new formulations, special-purpose intermediates and accessory ingredients of pesticides; and development and application of relevant clean production processing (methylene technology for producing acetochlor, method for paraquat by ammoniacal cyanide process, aqueous phase synthesis of chlorpyrifos, recycling chloromethane during production of glyphosate, production of oriented synthesis chiral pesticides and cubic pesticides, and synthesis technology for diethyl thiophosphoryl chloride)	48. Development and production of effective, safe and environment-friendly new varieties, new formulations, special-purpose intermediates and accessory ingredients of pesticides; and development and application of relevant clean production processing (methylene technology for producing acetochlor, aqueous phase synthesis of chlorpyrifos, recycling chloromethane during production of glyphosate, production of oriented synthesis chiral pesticides and cubic pesticides, and synthesis technology for diethyl thiophosphoryl chloride)		
(17) Development and production of biopesticide and bio-control products: microbial insecticide, microbial fungicide, agricultural antibiotic, insect pheromone, enemy insect and microbial herbicide	49. Development and production of biopesticide and bio-control products: microbial insecticide, microbial fungicide, agricultural antibiotic, insect pheromone, enemy insect and microbial herbicide		
(18) Comprehensive utilization and disposal of exhaust gas, discharge liquid, waste residue	50. Comprehensive utilization and disposal of exhaust gas, discharge liquid, waste residue		
(19) Production of organic polymer material: covering film for plane, rare earth cerium sulphide red dye, lead-free in electronic packages, serials of special sizing agent by photoetching for color Plasma Display Panel, small diameter and large specific surface area superfine fibre, high precision fuel filter paper, and Li-ion battery membrane	51. Production of organic polymer material: covering film for plane, rare earth cerium sulphide red dye, lead-free in electronic packages, serials of special sizing agent by photoetching for color Plasma Display Panel, small diameter and large specific surface area superfine fibre, high precision fuel filter paper, and Li-ion battery membrane	51. Production of organic polymer material: covering film for plane, rare earth cerium sulphide red dye, lead-free in electronic packages, serials of special sizing agent by photoetching for color Plasma Display Panel, small diameter and large specific surface area superfine fibre, high precision fuel filter paper, and Li-ion battery membrane, <b>Self-healing surface treatment materials, nano-coating materials superhydrophobic</b>	<b>Add Self-healing surface treatment materials, nano-coating materials superhydrophobic</b> <b>More are encouraged</b>
<b>11. Medical and Pharmaceutical Products Industry</b>	<b>11) Medical and Pharmaceutical Products Industry</b>		
(1) Production of new type compound medication of active composition medication (including bulk drug and preparation)	52. Production of new type compound medication of active composition medication (including bulk drug and preparation)		
(2) Production of amino acids: tryptophan prepared by zymotechnics, hstidine, methionine for feed	53. Production of amino acids: tryptophan prepared by zymotechnics, hstidine, methionine for feed	53. Production of amino acids: tryptophan prepared by zymotechnics, hstidine, methionine <b>for-feed-</b>	<b>Delete for feed</b> <b>More are encouraged</b>
(3) Production of new anti cancer medication, new cardio-cerebrovascular medication and new nervous system using medication	54. Production of new anti cancer medication, new cardio-cerebrovascular medication and new nervous system using medication	54. <b>Exploitation and</b> Production of new anti cancer medication, new cardio-cerebrovascular medication and new nervous system using medication	<b>Add Exploitation</b> <b>More are encouraged</b>
(4) Production of new type medication using bioengineering technology	55. Production of new type medication using bioengineering technology		

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(5) Production of AIDS vaccine, hepatitis C vaccine, contraceptive vaccine, and new vaccines such as cervical cancer vaccine, malaria vaccine, and hand-foot-mouth disease vaccine	56. Production of AIDS vaccine, hepatitis C vaccine, contraceptive vaccine, and new vaccines such as cervical cancer vaccine, malaria vaccine, and hand-foot-mouth disease vaccine		
(6) Production of biology vaccine			
(7) Exploitation and production of marine drug	57. Exploitation and production of marine drug		
(8) Drug preparation: production of new formulation using new technologies of sustained-release, release, targeting and percutaneous absorption	58. Drug preparation: production of new formulation using new technologies of sustained-release, release, targeting and percutaneous absorption		
(9) Exploitation and production of new type of pharmaceutical adjuvant	59. Exploitation and production of new type of pharmaceutical adjuvant		
(10) Production of antibacterial active pharmaceutical ingredients for animals (including antibiotics and chemosynthesis drugs)	60. Production of antibacterial active pharmaceutical ingredients for animals (including antibiotics and chemosynthesis drugs)		
(11) Exploitation and production of animal using antibacterial drug, insect repellent, pesticide, anticoccidial drug and new formulation	61. Exploitation and production of animal using antibacterial drug, insect repellent, pesticide, anticoccidial drug and new formulation		
(12) Production of new diagnosis reagent	62. Production of new diagnosis reagent	62. <b>Exploitation and</b> Production of new diagnosis reagent	Add <b>Exploitation</b>  More are encouraged
<b>12. Manufacturing Industry of Chemical Fiber</b>	<b>12) Manufacturing Industry of Chemical Fiber</b>		
(1) Production of hi-tech chemical fiber (excluding viscose fiber) of differential chemical fiber, aramid, carbon fiber, polyethylene of high-strength and high-modulus, polyphenylene sulfide(PPS) and so on	63. Production of hi-tech chemical fiber (excluding viscose fiber) of differential chemical fiber, aramid, carbon fiber, polyethylene of high-strength and high-modulus, polyphenylene sulfide(PPS) and so on		
(2) Production of new style of fiber and non-fiber polyester: PTT, PEN, PCT, and PETG	64. Production of new style of fiber and non-fiber polyester: PTT, PEN, PCT, and PETG		
(3) Production of biopolymer fiber by using new renewable resources and environment-friendly processing: lyocell, cellulose made from bamboo and hemp, PLA, chitin fiber, PHA and plant and animal protein fiber	65. Production of biopolymer fiber by using new renewable resources and environment-friendly processing: lyocell, cellulose made from bamboo and hemp, PLA, chitin fiber, PHA and plant and animal protein fiber		
(4) Production of polyamide, single line production capacity of 150 ton a day			
	66. Development and production of new types of polyamide such as nylon 11, nylon 1414, nylon 46, long-carbon-chain nylon and high-temperature-resistant nylon		
(5) Production of meridian tyre aramid fiber and tyre cord	67. Production of meridian tyre aramid fiber and tyre cord		
<b>13. Industry of Plastic Products</b>	<b>13) Industry of Plastic Products and Rubber</b>		
(1) Development and production of new-type multi-functional photo-biological broad agricultural films	68. Development and production of new-type multi-functional photo-biological broad agricultural films		
(2) Digestion and reuse of waste plastics	69. Recycle and reuse of waste plastics		
(3) Exploitation and production of new technology and new production of plastic soft package (high barrier, multi-function film and material)	70. Exploitation and production of new technology and new production of plastic soft package (high barrier, multi-function film and material)		
<b>14. Non-metal Mineral Products Processing Industry</b>	<b>14) Non-metal Mineral Products Processing Industry</b>		
(1) Development and production of energy-saving, environment-protecting, lightweight and high-intensity, high-performance and multi-functional architecture materials	71. Development and production of energy-saving, environment-protecting, lightweight and high-intensity, high-performance and multi-functional architecture materials		
(2) Use plastic to replace steel and wood, energy-saving and high-efficient chemical architecture material production	72. Use plastic to replace steel and wood, energy-saving and high-efficient chemical architecture material production		
(3) Production of elastomer, plastic changeable asphaltum waterproof coiled materials, broad (more than 2 meters) waterproof EPDM coiled materials and matched materials, broad (more than 2 meters) waterproof PVC coiled material, and TPO waterproof coiled materials with a production capacity of more than 10,000,000 sq.m.	73. Production of elastomer, plastic changeable asphaltum waterproof coiled materials, broad (more than 2 meters) waterproof EPDM coiled materials and matched materials, broad (more than 2 meters) waterproof PVC coiled material, and TPO waterproof coiled materials with a production capacity of more than 10,000,000 sq.m.		

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(4) Development and production of functional glass with new technologies: electromagnetic wave shielding glass, micro-electronics glass substrate, infrared transmitting lead-free glass, electronic-grade large-scale quartz glass products (pipes, boards, crucibles and apparatuses), multi-functional windshield glass of excellent optical performance, extreme IT materials and products (including quartz glass bushing and ceramic wafer for waveguide-grade, high-precise optical fiber preform rod), and purification processing of raw materials for high pure ( $\geq 99.998\%$ ) or ultrapure ( $\geq 99.999\%$ ) crystal	74. Development and production of functional glass with new technologies: electromagnetic wave shielding glass, micro-electronics glass substrate, infrared transmitting lead-free glass, electronic-grade large-scale quartz glass products (pipes, boards, crucibles and apparatuses), multi-functional windshield glass of excellent optical performance, extreme IT materials and products (including quartz glass bushing and ceramic wafer for waveguide-grade, high-precise optical fiber preform rod), and purification processing of raw materials for high pure ( $\geq 99.998\%$ ) or ultrapure ( $\geq 99.999\%$ ) crystal		
(5) Production of conductive glass for film batteries and glass for solar illuminator	75. Production of conductive glass for film batteries and glass for solar illuminator	75. Production of conductive glass for film batteries and glass for solar illuminator, <b>conductive glass used in construction</b>	Add conductive glass used in construction  More are encouraged
(6) Production of glass fiber products and special glass fiber: low dielectric glass fiber, quartz glass fiber, high silica glass fiber, high strength and high elasticity glass and ceramic fiber and their products	76. Production of glass fiber products and special glass fiber: low dielectric glass fiber, quartz glass fiber, high silica glass fiber, high strength and high elasticity glass and ceramic fiber and their products		
(7) Production of optical fiber and its products: coherent fiber bundle and laser medical optic fiber, exceeding two generation and three generation microchannel plate, optic fiber panel and inverse image implement and light cone glass	77. Production of optical fiber and its products: coherent fiber bundle and laser medical optic fiber, exceeding two generation and three generation microchannel plate, optic fiber panel and inverse image implement and light cone glass		
(8) Standardization refine of ceramic material and production of high-level decorative materials used for ceramics.	78. Standardization refine of ceramic material and production of high-level decorative materials used for ceramics.		
(9) Production of environment-friendly (non-chromizing) refractory material used in furnaces such as cement, electronic glasses, ceramics and microporous carbon brick.	79. Production of environment-friendly (non-chromizing) refractory material used in furnaces such as cement, electronic glasses, ceramics and microporous carbon brick.		
(10) Production of AlN ceramic base piece and multiple-hole ceramics.	80. Production of AlN ceramic base piece and multiple-hole ceramics.		
(11) Production of inorganic, non-metal materials and products: compound materials, special kind of ceramics, special kind of airproof materials (including quick oil sealed materials), special friction materials (including high-speed friction brake materials), special kinds of cementation materials, special type latex materials, water rubber materials, and nanomaterials.	81. Production of inorganic, non-metal materials and products: compound materials, special kind of ceramics, special kind of airproof materials (including quick oil sealed materials), special friction materials (including high-speed friction brake materials), special kinds of cementation materials, special type latex materials, water rubber materials, and nanomaterials.		
(12) Production of thermal insulation materials of organic-inorganic compound foam	82. Production of thermal insulation materials of organic-inorganic compound foam		
(13) Production of high-tech compound materials: sequential fiber increasing thermoplasticity compound materials and prepreg, endure heat > 300°C colophony compound material moulding craftwork assistant materials, colophony compound material (including top grade sports articles and vehicle parts of lightweight and high-intensity), special function compound materials and products (including deep water and diving compound material products and medical and healing use compound material products), carbon/carbon compound materials, high capability ceramic compound materials and products, metal compound materials and products, metal layer compound materials and products, pressure $\geq 320\text{MPa}$ super-high-pressure compound rubber pipes, air bus aviation tyres.	83. Production of high-tech compound materials: sequential fiber increasing thermoplasticity compound materials and prepreg, endure heat > 300°C colophony compound material moulding craftwork assistant materials, colophony compound material (including top grade sports articles and vehicle parts of lightweight and high-intensity), special function compound materials and products (including deep water and diving compound material products and medical and healing use compound material products), carbon/carbon compound materials, high capability ceramic compound materials and products, metal compound materials and products, metal layer compound materials and products, pressure $\geq 320\text{MPa}$ super-high-pressure compound rubber pipes, air bus aviation tyres.		

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(14) Production of precision high capability ceramic materials: carborundum super-minute powder(purity > 99%, average granule diameter < 1μm), Si3N4 super-minute powder(purity > 99%, average granule diameter < 1μm), high pure and super-minute alumina powder(purity > 99%, average granule diameter < 0.5μm), low temperature sintered zirconia powder(sintered temperature < 1350℃) , high pure AlN powder (purity > 99%, average granule diameter < 1μm), rutile TiO2 powder(purity > 98.5%), white char black(average granule diameter < 100nm= , barium titanate (purity > 99%, average granule diameter < 1μm=.	84. Production of precision high capability ceramic materials: carborundum super-minute powder(purity > 99%, average granule diameter < 1μm), Si3N4 super-minute powder(purity > 99%, average granule diameter < 1μm), high pure and super-minute alumina powder(purity > 99%, average granule diameter < 0.5μm), low temperature sintered zirconia powder(sintered temperature < 1350℃) , high pure AlN powder (purity > 99%, average granule diameter < 1μm), rutile TiO2 powder(purity > 98.5%), white char black(average granule diameter < 100nm= , barium titanate (purity > 99%, average granule diameter < 1μm=.		
(15) Development and production of high-quality artificial crystal and crystal film products: high-quality artificially synthesized crystal (piezoelectric crystal and crystals for ultraviolet ray transmitting crystal), super hard crystal (cubic boron nitride crystal), high-temperature resistant and highly-insulated artificially synthesized crystal (artificially synthesized mica), new electro-optic crystal, high-power laser crystal and large-size glittering crystal, diamond film tools, super-thin artificial diamond saw blades with thickness of not more than 0.3mm	85. Development and production of high-quality artificial crystal and crystal film products: high-quality artificially synthesized crystal (piezoelectric crystal and crystals for ultraviolet ray transmitting crystal), super hard crystal (cubic boron nitride crystal), high-temperature resistant and highly-insulated artificially synthesized crystal (artificially synthesized mica), new electro-optic crystal, high-power laser crystal and large-size glittering crystal, diamond film tools, super-thin artificial diamond saw blades with thickness of not more than 0.3mm		
(16) Deep processing of non-metal mineral products (super-thin comminution, high level pure, fine production, modification)	86. Deep processing of non-metal mineral products (super-thin comminution, high level pure, fine production, modification)		
(17) Production of super high power black lead electrode.	87. Production of super high power black lead electrode.		
(18) Production of pearlite mica (granule diameter: 3-150μm).	88. Production of pearlite mica (granule diameter: 3-150μm).		
(19) Production of multi-dimension and multi-direction integer weaving fabric and profile modeling fabric.	89. Production of multi-dimension and multi-direction integer weaving fabric and profile modeling fabric.		
(20) Use new dry cement kiln to innocuously dispose solid waste.	90. Use new dry cement kiln to innocuously dispose solid waste.		
(21) Recycling of construction waste	91. Recycling of construction waste		
(22) Comprehensive utilization of industrial by-products gypsum	92. Comprehensive utilization of industrial by-products gypsum		
(23) Development and application of new technologies for the comprehensive utilization of non-metal mine tailings, and the ecological restoration of mines	93. Development and application of new technologies for the comprehensive utilization of non-metal mine tailings, and the ecological restoration of mines		
<b>15. Non-Ferrous Metallurgical Smelting and Rolling Processing Industry</b>	<b>15 Non-Ferrous Metallurgical Smelting and Rolling Processing Industry</b>		
(1) Production of diameter > 200mm silicon single crystal and polishing piece.	94. Production of diameter > 200mm silicon single crystal and polishing piece.		
(2) Production of high tech non-ferrous metallurgical materials: compound semiconductor materials (gallium arsenide, gallium phosphide, gallium reexplanation, gallium nitride), high temperature superconduct materials, memory alloy materials (titanium nickel, copper and iron memory alloy materials) , super minute (nanometer) calcium carbide and super minute (nanometer) crystal hard ally, superhard compound materials, noble metal compound materials, aluminum foil used for radiator, middle and high pressure cathode capacitance aluminum foil, special kind of large aluminum alloy materials, aluminum alloy precise model forge product, electrization railway built on stilts leads, super-thin copper strip, erosion proof heat exchanger copper alloy material, high capability copper nickel, copper and iron alloy strip, beryllium copper strip, thread, tube and stick process material, high temperature bearable tungsten filament, magnesium alloy cast, non-lead solder, magnesium alloy and its applicable products, bubble aluminum, titanium alloy strip materials and titanium jointing pipes, atomic energy grade sponge zirconium, tungsten and molybdenum deep machining products.	95. Production of high tech non-ferrous metallurgical materials: compound semiconductor materials (gallium arsenide, gallium phosphide, gallium reexplanation, gallium nitride), high temperature superconduct materials, memory alloy materials (titanium nickel, copper and iron memory alloy materials) , super minute (nanometer) calcium carbide and super minute (nanometer) crystal hard ally, superhard compound materials, noble metal compound materials, aluminum foil used for radiator, middle and high pressure cathode capacitance aluminum foil, special kind of large aluminum alloy materials, aluminum alloy precise model forge product, electrization railway built on stilts leads, super-thin copper strip, erosion proof heat exchanger copper alloy material, high capability copper nickel, copper and iron alloy strip, beryllium copper strip, thread, tube and stick process material, high temperature bearable tungsten filament, magnesium alloy cast, non-lead solder, magnesium alloy and its applicable products, bubble aluminum, titanium alloy strip materials and titanium jointing pipes, atomic energy grade sponge zirconium, tungsten and molybdenum deep machining products.	95. Production of high tech non-ferrous metallurgical materials: compound semiconductor materials (gallium arsenide, gallium phosphide, gallium reexplanation, gallium nitride), high temperature superconduct materials, memory alloy materials (titanium nickel, copper and iron memory alloy materials) , super minute (nanometer) calcium carbide and super minute (nanometer) crystal hard ally,superhard compound materials, noble metal compound materials, <b>light metal composite materials and dissimilar materials combine</b> , aluminum foil used for radiator, middle and high pressure cathode capacitance aluminum foil, special kind of large aluminum alloy materials, aluminum alloy precise model forge product, electrization railway built on stilts leads, super-thin copper strip, erosion proof heat exchanger copper alloy material, high capability copper nickel, copper and iron alloy strip, beryllium copper strip, thread, tube and stick process material, high temperature bearable tungsten filament, magnesium alloy cast, non-lead solder, magnesium alloy and its applicable products, bubble aluminum, titanium alloy strip materials and titanium jointing pipes, atomic energy grade sponge zirconium, tungsten and molybdenum deep machining products.	<b>Add Light metal composite materials and dissimilar materials combine</b>  <b>More are encouraged</b>



Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
<b>16. Metal products industry</b>	<b>16) Metal products industry</b>		
(1) Research, development and manufacturing of new lightweight and environment-friendly materials for aviation, aerospace, automobiles and motorcycles (special-purpose aluminum sheets, aluminum-magnesium alloy materials, and aluminum alloy motorcycle frames and so on)	96. Research, development and manufacturing of new lightweight and environment-friendly materials for aviation, aerospace, automobiles and motorcycles (special-purpose aluminum sheets, aluminum-magnesium alloy materials, and aluminum alloy motorcycle frames and so on)		
(2) Development and production of high-grade hardware for construction, hot-water heating equipment and hardware parts.			
	97. Development and manufacture of light-metal semi-solid rapid prototyping materials		
(3) Production and processing (including painting and processing inner and outer surface of the products) of metal packing products (thickness < 0.3mm) used to pack all kinds of grain, oil and food, fruits, vegetables, beverages, daily using materials and such contents.	98. Production and processing (including painting and processing inner and outer surface of the products) of metal packing products (thickness < 0.3mm) used to pack all kinds of grain, oil and food, fruits, vegetables, beverages, daily using materials and such contents.		
(4) Manufacturing of nickel-saving stainless steel products	99. Manufacturing of nickel-saving stainless steel products		
<b>17. General Machine-building Industry</b>	<b>17) General Machine-building Industry</b>		
(1) Manufacturing of numerically controlled machine tools of high level and key spare parts: numerically controlled machine tools which exceed quintuple linkage, digital control coordinate spindle processing centre, digital control system which exceeds quintuple linkage and servomechanism installations, high-speed and super-strong knives for exact digital control manufacturing.	100. Manufacturing of numerically controlled machine tools of high level and key spare parts: numerically controlled machine tools which exceed quintuple linkage, digital control coordinate spindle processing centre, digital control system which exceeds quintuple linkage and servomechanism installations, high-speed and super-strong knives for exact digital control manufacturing.		
(2) Manufacturing of multi-station forging forming machine of 1000 tons or more	101. Manufacturing of multi-station forging forming machine of 1000 tons or more		
(3) Manufacturing of equipments for braking up and smashing retired cars	102. Manufacturing of equipments for braking up and smashing retired cars		
(4) Manufacturing of soft FTL product line	103. Manufacturing of soft FTL product line		
(5) Manufacturing of vertical articulated industrial robots, welding robots and welding equipments thereof	104. Manufacturing of vertical articulated industrial robots, welding robots and welding equipments thereof		
(6) Manufacturing of special processing machines: complete sets of laser cutting and welding equipments, exact processing laser equipments, digital-control and low-speed wire-cuts, submicron cracker	105. Manufacturing of special processing machines: complete sets of laser cutting and welding equipments, exact processing laser equipments, digital-control and low-speed wire-cuts, submicron cracker		
(7) Manufacturing of wheel or crawler crane of 300 tons or more (limited to equity joint ventures or contractual joint ventures)	106. Manufacturing of wheel or crawler crane of 300 tons or more		
(8) Design and manufacturing of high pressure plunger pumps of pressure(35-42MPa) and engine, design and manufacturing of low-speed big torque engine of pressure(35-42MPa)	107. Design and manufacturing of high pressure plunger pumps of pressure(35-42MPa) and engine, design and manufacturing of low-speed big torque engine of pressure(35-42MPa)		
(9) Manufacturing of integrated hydraulic-pressure multiple unit valve with working pressure≥ 25MPa and electro-hydraulic proportional servo elements.	108. Manufacturing of integrated hydraulic-pressure multiple unit valve with working pressure≥ 25MPa and electro-hydraulic proportional servo elements.		
(10) Design and manufacturing of valve terminal, pneumatic solenoid valve of less than 0.35W and high-frequency electrically-controlled gas valve of 200Hz or more	109. Design and manufacturing of valve terminal, pneumatic solenoid valve of less than 0.35W and high-frequency electrically-controlled gas valve of 200Hz or more		
(11) Design and manufacturing of hydrostatic drive device	110. Design and manufacturing of hydrostatic drive device		
(12) Development and manufacturing of non-contacting gas film seal of pressure more than 10MPa, dry gas seal of pressure more than 10MPa (including experience device)	111. Development and manufacturing of non-contacting gas film seal of pressure more than 10MPa, dry gas seal of pressure more than 10MPa (including experience device)		
(13) Development and manufacturing of macromolecule material device for automobiles(rub piece, changed phenol aldehyde plunger, non-metal liquid pressure mother pump and so on)	112. Development and manufacturing of macromolecule material device for automobiles(rub piece, changed phenol aldehyde plunger, non-metal liquid pressure mother pump and so on)		



Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
(14) Manufacturing of car boss axletree of 3rd and 4rd generation (function elements of boss axletree of flange and transducer inside or outside of the axletree), digital control machine tool or processing centre axletree of high or mid class (the processing center should have more than three axis interlocking function and 3-4μm repeated precision), high-speed wire or board rolling mill axletree (assistant axletree and roller axletree of single-wire rolling mill of more than 120m/s and of thin-board rolling mill of more than 2mm), high-speed railway axletree(with speed of more than 200km/h), low-noise axletree of vibration of less than Z4(Z4, Z4P, V4, V4P), level P4 and P2 axletree, axletree of wind generators, aircraft axletree	113. Manufacturing of car boss axletree of 3rd generation and above, digital control machine tool or processing centre axletree of high or mid class, high-speed wire or board rolling mill axletree, high-speed railway axletree, low-noise axletree of vibration of less than Z4, level P4 and P2 axletree, axletree of wind generators, aircraft axletree		
(15) Manufacturing of high-density, high-precision and complex-shaped powder metallurgical parts and chains used for automobile, engineering machinery, etc	114. Manufacturing of high-density, high-precision and complex-shaped powder metallurgical parts and chains used for automobile, engineering machinery, etc		
(16) Manufacturing of gear transmission for wind power, high-speed train, gear transmission agent with adjustable blades for vessels, and large-sized and heavy-loaded gear boxes	115. Manufacturing of gear transmission for wind power, high-speed train, gear transmission agent with adjustable blades for vessels, and large-sized and heavy-loaded gear boxes		
(17) Manufacturing of high binding spares of 12.9 level or more	116. Manufacturing of high binding spares of 12.9 level or more		
(18) Development and manufacturing of accumulator bladders and rubber and plastic seals for hydropneumatic use	117. Development and manufacturing of accumulator bladders and rubber and plastic seals for hydropneumatic use		
(19) Remanufacturing of machine tools, spare parts of cars(except five matured varieties)and project machines.	118. Remanufacturing of machine tools, spare parts of cars(except five matured varieties)and project machines.		
(20) Manufacturing of miniature precision transmission joint pieces (clutches)	119. Manufacturing of miniature precision transmission joint pieces (clutches)		
(21) Manufacturing of coupling shaft for heavy rolling mills	120. Manufacturing of coupling shaft for heavy rolling mills		
(22) Remanufacturing of machinery such as machine tools, engineering machinery and railway locomotives and remanufacturing of automotive parts and components	121. Remanufacturing of machinery such as machine tools, engineering machinery and railway locomotives and remanufacturing of automotive parts and components		
	122. Manufacture of time division multiplex equipment (TDM) with rate of 100 Gbps or more		
	123. Office machine manufacturing: multifunctional integrated office equipment (Copy, print, fax, scan), colorful printing equipment, high resolution colorful printing pins with resolution ratio more than 2400dpi, photosensitive drum		
	124. Office machine manufacturing: 2K/4K digital movie projector, digital movie producing and editing equipment		
<b>18. Special Equipment Manufacturing</b>	<b>18. Special Equipment Manufacturing</b>		
(1) Manufacturing of mine trolley mining, loading and transporting device : mechanical drive tipper for mine of 100 tons or more, mobile crusher, wheeled digger of 3000m3/h or more, loading machine for mine of 5 m3 or more, electric driving mining machine of 2000 kw or more and so on	125. Manufacturing of mine trolley mining, loading and transporting device: mechanical drive tipper for mine of 100 tons or more, mobile crusher, wheeled digger of 3000m3/h or more, loading machine for mine of 5 m3 or more, electric driving mining machine of 2000 kw or more and so on		
(2) Manufacturing of geophysical, logging equipment: MEME geophone, digital telemetry seismograph, digital imaging, computerized logging system, horizontal wells, directional wells, drilling rig equipment and apparatus, MWD logging while drilling	126. Manufacturing of geophysical, logging equipment: MEME geophone, digital telemetry seismograph, digital imaging, computerized logging system, horizontal wells, directional wells, drilling rig equipment and apparatus, MWD logging while drilling	126. Manufacturing of geophysical (excluding gravity and magnetic measurements) , logging equipment: MEME geophone, digital telemetry seismograph, digital imaging, computerized logging system, horizontal wells, directional wells, drilling rig equipment and apparatus, MWD logging while drilling	Add (excluding gravity and magnetic measurements)
(3) Manufacturing of equipment for oil exploration, drilling, collection and transportation: floating drilling systems and floating production systems with an operating water depth of more than 1500 meters and the supporting subsea oil extraction, collection and transportation equipment	127. Manufacturing of equipment for oil exploration, drilling, collection and transportation: floating drilling systems and floating production systems with an operating water depth of more than 1500 meters and the supporting subsea oil extraction, collection and transportation equipment		

Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
(4) Manufacturing of large-caliber rotary drilling rigs with a caliber of 2 meters or more and depth of 30 meters or more, push benchers with a diameter of 1.2 meters or more, complete sets of large equipment with a pull-back force of 300 tons or more for laying underground pipes and lines without digging, and underground diaphragm wall construction drilling rigs	128. Manufacturing of large-caliber rotary drilling rigs with a caliber of 2 meters or more and depth of 30 meters or more, push benchers with a diameter of 1.2 meters or more, complete sets of large equipment with a pull-back force of 300 tons or more for laying underground pipes and lines without digging, and underground diaphragm wall construction drilling rigs		
(5) Design and manufacturing of large bulldozers of 520 horsepower or more.	129. Design and manufacturing of large bulldozers of 520 horsepower or more.		
(6) Design and manufacturing of purge machine of 100 m3/h or more, digging device in digging vessel of 5000 tons or more	130. Design and manufacturing of purge machine of 100 m3/h or more, digging device in digging vessel of 1000 tons or more		
(7) Design and manufacturing of tuffcrete diaphragm-proof wall for flood control bar	131. Design and manufacturing of tuffcrete diaphragm-proof wall for flood control bar		
(8) Manufacturing of machine for underwater mass: soil shifter, loader and digger 9 miles under water	132. Manufacturing of machine for underwater mass: soil shifter, loader and digger 9 miles under water		
(9) Manufacturing of devices of road bridge maintaining and automatic testing	133. Manufacturing of devices of road bridge maintaining and automatic testing		
(10) Manufacturing of devices of road tunnel supervision, winding, disaster control and rescuing system	134. Manufacturing of devices of road tunnel supervision, winding, disaster control and rescuing system		
(11) Design and manufacturing of the large-scale railway construction, and operation of large-scale road maintenance machinery and safety equipment	135. Design and manufacturing of the large-scale railway construction, and operation of large-scale road maintenance machinery and safety equipment		
(12) Manufacturing of (asphalt) shingles equipment, galvanized steel and other metal roof production equipment	136. Manufacturing of (asphalt) shingles equipment, galvanized steel and other metal roof production equipment		
(13) Manufacturing of spot spraying polyurethane waterproof thermal insulation system equipment which could protect environment and conserve energy, technology and equipment of polyurethane sealant paste preparation, technology and production equipment of modified silicone sealing paste preparation	137. Manufacturing of spot spraying polyurethane waterproof thermal insulation system equipment which could protect environment and conserve energy, technology and equipment of polyurethane sealant paste preparation, technology and production equipment of modified silicone sealing paste preparation		
(14) Design and manufacturing of thin-slab continuous casting machine, high-precision strip mill (with thickness of precise 10 microns)	138. Design and manufacturing of thin-slab continuous casting machine, high-precision strip mill (with thickness of precise 10 microns)		
(15) Manufacturing of selecting device for multi-element, fine-powder and hard-selecting mine	139. Manufacturing of selecting device for multi-element, fine-powder and hard-selecting mine		
(16) Manufacturing of the key equipment of complete sets of ethylene equipment with an annual capacity of 1 million tons or more: mixing granulators with an annual processing capacity of 400,000 tons or more, helical-conveyer centrifuges with a diameter of 1000 mm or more, and low-flow high-head centrifugal pump	140. Manufacturing of the key equipment of complete sets of ethylene equipment with an annual capacity of 1 million tons or more: mixing granulators with an annual processing capacity of 400,000 tons or more, helical-conveyer centrifuges with a diameter of 1000 mm or more, and low-flow high-head centrifugal pump		
(17) Manufacturing of large complete devices of chemical processing of coal(limited to equity joint ventures or contractual joint ventures)			
(18) Design, manufacturing and maintaining of metal product moulds(such as extrusion moulds of pipe, stick and shape of copper, aluminum, titanium and zirconium)	141. Design, manufacturing and maintaining of metal product moulds(such as extrusion moulds of pipe, stick and shape of copper, aluminum, titanium and zirconium)		
(19) Design and maintaining of punching mould of cover elements of automobile outside, clamp and test tools of automobile and motorcycle	142. Design and maintaining of punching mould of cover elements of automobile outside, clamp and test tools of automobile and motorcycle		
(20) Design and manufacturing of production equipment for automotive power batteries	143. Design and manufacturing of production equipment for automotive power batteries		
(21) Design and maintaining of punching mould with precision of more than 0.02 millimeter (including 0.02 millimeter), precise mould with precision of more than 0.05 millimeter (including 0.05 millimeter) and mould standard elements.	144. Design and maintaining of punching mould with precision of more than 0.02 millimeter (including 0.02 millimeter), precise mould with precision of more than 0.05 millimeter (including 0.05 millimeter) and mould standard elements.		
(22) Design and manufacturing of nonmetal product moulds	145. Design and manufacturing of nonmetal product moulds		
(23) Manufacturing of beer filling device of 60000 bottles /h or more, drink mid or high hot filling device of 5 bottles /h, asepticism filling device of 36000 bottles /h or more	146. Manufacturing of beer filling device of 60000 bottles /h or more, drink mid or high hot filling device of 5 bottles /h, asepticism filling device of 36000 bottles /h or more		

Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
(24) Manufacturing of producing technologies and key equipments for aminophenol, zymi, food additive and so on	147. Manufacturing of producing technologies and key equipments for aminophenol, zymi, food additive and so on		
(25) Manufacturing of complete feed processing equipment of 10 tons/h or more and key parts thereof	148. Manufacturing of complete feed processing equipment of 10tons/h or more and key parts thereof		
(26) Manufacturing of light board and box device of 0.75-millimeter high or less	149. Manufacturing of light board and box device of 0.75-millimeter high or less		
(27). Manufacturing of single folio colorful lithographic printing machine (page width>750mm, speed>16000 pages/h, double-side multicolour printing speed>13000 pages/hour)	150. Manufacturing of single folio colorful lithographic printing machine (page width>750mm, speed>16000 pages/h, double-side multicolour printing speed>13000 pages/hour)		
(28). Manufacturing of single-folio single-roll lithographic printing machine (speed>75000 folios/h), double-folio single-role lithographic printing machine (speed>170000 folios/h), commercial roll lithographic printing machine (speed>5000 folios/h)	151. Manufacturing of single-folio single-roll lithographic printing machine (speed>75000 folios/h), double-folio single-role lithographic printing machine (speed>170000 folios/h), commercial roll lithographic printing machine (speed>5000 folios/h)		
(29) Manufacturing of multicolour wide-width flexographic printing machine (width>1300mm, speed>350m/sec), digital inkjet printing machine (publishing use: speed>150m/min, resolution>600dpi; packaging use: speed>30m/min, resolution>1000dpi; variable date use: speed>100m/min, resolution>300dpi)	152. Manufacturing of multicolour wide-width flexographic printing machine (width>1300mm, speed>350m/sec), digital inkjet printing machine (publishing use: speed>150m/min, resolution>600dpi; packaging use: speed>30m/min, resolution>1000dpi; variable date use: speed>100m/min, resolution>300dpi)		
(30). Manufacturing of computerized ink presetting, ink remote control, ink speed tracking, printing quality automatic detection and tracking system, shaftless driving technology, high-speech automatic paper machine (75000 pages/h) and automatic remote-controlled high-speech folding machine, automatic overprinting system, cooling device, silicon filling system, displacement adjustment device etc.	153. Manufacturing of computerized ink presetting, ink remote control, ink speed tracking, printing quality automatic detection and tracking system, shaftless driving technology, high-speech automatic paper machine (75000 pages/h) and automatic remote-controlled high-speech folding machine, automatic overprinting system, cooling device, silicon filling system, displacement adjustment device etc.		
(31) Manufacturing of automatic coating machines for electronic guns	154. Manufacturing of automatic coating machines for electronic guns		
(32) Deep processing technique and equipment manufacturing of plate glass	155. Deep processing technique and equipment manufacturing of plate glass		
(33) Manufacturing of complete set of new type of paper (including pulp) making machines	156. Manufacturing of complete set of new type of paper (including pulp) making machines		
(34) Manufacturing of equipment with new technique for post ornament and processing of leather	157. Manufacturing of equipment with new technique for post ornament and processing of leather		
(35) Development and Manufacturing of new agriculture processing and storage equipment: new equipment for the processing, storage, preservation, classifying, packing, and drying of food, oil, vegetables, dried fruits and fresh fruits, flowers, meat and aqua-products; agricultural product quality testing equipment ; the quality detection equipment of agricultural products' damage; Rheometer; Farinograph; ultrafine pulverization equipment; Highly efficient dewatering equipment ; 5-grade plus high efficient fruit juice condensation equipment; equipment for Disinfection of powder food in Media; Aseptic packaging equipment for Semi-solid and solid food; Packaging Materials for Aseptic packaging, DVS Bacteria Starter for Dairy Production, Disc-type Separation centrifuges	158. Development and Manufacturing of new agriculture processing and storage equipment: new equipment for the processing, storage, preservation, classifying, packing, and drying of food, oil, vegetables, dried fruits and fresh fruits, flowers, meat and aqua-products; agricultural product quality testing equipment ; the quality detection equipment of agricultural products' damage; Rheometer; Farinograph; ultrafine pulverization equipment; Highly efficient dewatering equipment ; 5-grade plus high efficient fruit juice condensation equipment; equipment for Disinfection of powder food in Media; Aseptic packaging equipment for Semi-solid and solid food; Packaging Materials for Aseptic packaging, DVS Bacteria Starter for Dairy Production, Disc-type Separation centrifuges		
(36) Manufacturing of Agricultural machinery: facility agriculture equipment(greenhouse Automatic irrigation equipment, Autocontrol configuration and fertilization Equipment of Nutritious Liquid, Efficient vegetable nursery equipment, Soil nutrient analysis instruments ), Tractor and associated farm tools with 120 kilowatts and above Matching engine power, Low fuel consumption, low noise and low-emission diesel engine, Spray Machines with Residual fog tablets Recovery Unit matching of large tractor, High-performance rice transplanter, Cotton harvesting machine adapted to a variety of row-spacing, rapeseed harvester, sugarcane cropper, beet cropper	159. Manufacturing of Agricultural machinery: facility agriculture equipment(greenhouse Automatic irrigation equipment, Autocontrol configuration and fertilization Equipment of Nutritious Liquid, Efficient vegetable nursery equipment, Soil nutrient analysis instruments ), Tractor and associated farm tools with 120 kilowatts and above Matching engine power, Low fuel consumption, low noise and low-emission diesel engine, Spray Machines with Residual fog tablets Recovery Unit matching of large tractor, High-performance rice transplanter, Cotton harvesting machine adapted to a variety of row-spacing, peanut harvester, rapeseed harvester, sugarcane cropper, beet cropper		
(37) Manufacturing of new technical forestry equipment	160. Manufacturing of new technical forestry equipment		

Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
(38) Manufacturing of equipment for reusing in fields and comprehensive utilization of straws and stalks of crop, Manufacturing of equipment for comprehensive utilization of Rice Husk	161. Manufacturing of equipment for reusing in fields and comprehensive utilization of straws and stalks of crop, Manufacturing of equipment for comprehensive utilization of Rice Husk		
(39) Manufacturing of equipment for comprehensive utilization of waste agriculture products and waste fowl and livestock products which are bred in scale	162. Manufacturing of equipment for comprehensive utilization of waste agriculture products and waste fowl and livestock products which are bred in scale		
(40) Manufacturing of festival fertilizer, pesticide section, water-saving technical Agriculture equipment	163. Manufacturing of festival fertilizer, pesticide section, water-saving technical Agriculture equipment		
(41) Manufacturing of cleaning equipment for electromechanical wells and equipments for Laundering drug production	164. Manufacturing of cleaning equipment for electromechanical wells and equipments for Laundering drug production		
(42) Manufacturing of electronic endoscopes	165. Manufacturing of electronic endoscopes		
(43) Manufacturing of Fundus Cameras	166. Manufacturing of Fundus Cameras		
(44) Manufacturing of Medical imaging equipments' Key components(high magnetic field intensity and superconduct MRI, CT, X-ray computed tomography, type-B ultrasonic)	167. Manufacturing of Medical imaging equipments' Key components(high magnetic field intensity and superconduct MRI, CT, X-ray computed tomography, type-B ultrasonic)		
(45) Manufacturing of Medical Ultrasonic Transducer(3D)	168. Manufacturing of Medical Ultrasonic Transducer(3D)		
(46) Manufacturing of boron neutron capture therapy equipments	169. Manufacturing of boron neutron capture therapy equipments		
(47) Manufacturing of X-ray Stereotactic Radiotherapy System	170. Manufacturing of X-ray Stereotactic Radiotherapy System		
(48) Manufacturing of Hemodialysis, Blood Filter	171. Manufacturing of Hemodialysis, Blood Filter		
(49). Manufacturing of Full automatic ELISA system (including functions such as sample application, enzyme labelling, board washing, hatching, post-data processing etc.) device			
	172. Manufacturing of full automatic biochemical inspection device, five-classification blood cell analyzer, full automatic chemiluminescent immunoassay analyzer, high-flux genetic DNA sequencing system		
(50) New techniques of quality control of medicine products and new equipment manufacturing	173. New techniques of quality control of medicine products and new equipment manufacturing		
(51) New analytical techniques and extraction technologies, and equipment development and manufacturing for the effective parts of traditional Chinese medicines	174. New analytical techniques and extraction technologies, and equipment development and manufacturing for the effective parts of traditional Chinese medicines		
(52) Manufacturing of multi-layer co-extruded water-cooled blown film equipment for non-PVC medical infusion bags	175. Manufacturing of multi-layer co-extruded water-cooled blown film equipment for non-PVC medical infusion bags		
(53) Development and Manufacturing of equipment of new type of knitting machines, Key parts and Textile testing, laboratory equipment	176. Development and Manufacturing of equipment of new type of knitting machines, Key parts and Textile testing, laboratory equipment		
(54). Manufacturing of computerized jacquard weave artificial fur machines	177. Manufacturing of computerized jacquard weave artificial fur machines		
(55). Manufacturing of specialized equipment for solar battery production	178. Manufacturing of specialized equipment for solar battery production		
(56) Manufacturing of air pollution prevention and control equipment: thermostable and non-corrosive filter materials, low-NOx burning device, flue gas denitrification catalyst and denitrification complete-set device, industrial organic waste gas purification device, diesel vehicle exhaust purification device, heavy-metal waste gas treatment device	179. Manufacturing of air pollution prevention and control equipment: thermostable and non-corrosive filter materials, low-NOx burning device, flue gas denitrification catalyst and denitrification complete-set device, industrial organic waste gas purification device, diesel vehicle exhaust purification device, heavy-metal waste gas treatment device		
(57) Manufacturing of water pollution prevention and control equipment: horizontal spiral centrifugal dehydrators, membrane and membrane materials, ozone generators with a capacity of more than 50kg/h, chlorine dioxide generators with a capacity of more than 10 kg/h, ultraviolet disinfection devices, small domestic sewage treatment equipment used in rural areas, and heavy metal wastewater treatment equipment	180. Manufacturing of water pollution prevention and control equipment: horizontal spiral centrifugal dehydrators, membrane and membrane materials, ozone generators with a capacity of more than 50kg/h, chlorine dioxide generators with a capacity of more than 10 kg/h, ultraviolet disinfection devices, small domestic sewage treatment equipment used in rural areas, and heavy metal wastewater treatment equipment		

Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
(58) Manufacturing of solid waste treatment and disposal equipment: sewage plant sludge disposal and resource utilization equipment, complete sets of refuse incineration equipment with a daily treatment capacity of 500 tons or more, landfill leachate treatment technology and equipment, anti-seepage geomembranes in landfills, building waste treatment and resource recovery utilization equipment, devices for disposal of hazardous waste, devices for biogas power generation in landfills, scrap steel treatment equipment, and remediation equipment for contaminated soil	181. Manufacturing of solid waste treatment and disposal equipment: sewage plant sludge disposal and resource utilization equipment, complete sets of refuse incineration equipment with a daily treatment capacity of 500 tons or more, landfill leachate treatment technology and equipment, anti-seepage geomembranes in landfills, building waste treatment and resource recovery utilization equipment, devices for disposal of hazardous waste, devices for biogas power generation in landfills, scrap steel treatment equipment, and remediation equipment for contaminated soil		
(59) Development and manufacturing of equipment for the comprehensive utilization of red mud from aluminum industry	182. Development and manufacturing of equipment for the comprehensive utilization of red mud from aluminum industry		
(60) Manufacturing of equipment for the comprehensive utilization of mine tailings	183. Manufacturing of equipment for the comprehensive utilization of mine tailings		
(61) Manufacturing of Waste plastics, electronics, rubber, battery Recycling Equipments	184. Manufacturing of Waste plastics, electronics, rubber, battery Recycling Equipments		
(62) Manufacturing of reclamation equipment for used and waste textiles	185. Manufacturing of reclamation equipment for used and waste textiles		
(63) Manufacturing of equipment for the remanufacturing of waste mechanical and electrical products	186. Manufacturing of equipment for the remanufacturing of waste mechanical and electrical products		
(64) Manufacturing of waste tire comprehensive utilization device	187. Manufacturing of waste tire comprehensive utilization device		
(65) Manufacturing of environmental protection technologies and device for aquatic ecological system	188. Manufacturing of environmental protection technologies and device for aquatic ecological system		
(66) Manufacturing of portable assembling water purification equipment	189. Manufacturing of portable assembling water purification equipment		
(67) Unconventional water treatment, recycling equipment and water quality monitoring instruments	190. Unconventional water treatment, recycling equipment and water quality monitoring instruments		
(68) Leak test equipment and instruments for industrial water pipeline networks and equipment (appliances)	191. Leak test equipment and instruments for industrial water pipeline networks and equipment (appliances)		
(69) Development and manufacturing of sea water desalination and circulation cooling technologies and complete-set device, with a daily production of 100,000m³ and above	192. Development and manufacturing of sea water desalination and circulation cooling technologies and complete-set device, with a daily production of 100,000m³ and above		
(70) Manufacturing of special Meteorological observation and analysis equipments	193. Manufacturing of special Meteorological observation and analysis equipments		
(71) Development of Seismic station, Seismic Network, and Mobile seismological observation technology System, and Manufacturing of equipments	194. Development of Seismic station, Seismic Network, and Mobile seismological observation technology System, and Manufacturing of equipments		
(72) Manufacturing of three-drum and above radial tire building machines	195. Manufacturing of four-drum and above radial tire building machines		
(73) Manufacturing of Rolling resistance testing machine and Tire noise lab	196. Manufacturing of Rolling resistance testing machine and Tire noise lab		
(74) Manufacturing of new Heating measurement and Temperature Control Device Technical equipments	197. Manufacturing of new Heating measurement and Temperature Control Device Technical equipments		
(75) Manufacturing of preparation, storage and transportation equipment and inspection systems of hydrogen energy	198. Manufacturing of preparation, storage and transportation equipment and inspection systems of hydrogen energy		
(76) Manufacturing of new Heavy residue gasification Atomization Nozzle, Steam leakage rate of 0.5 percent and below efficient Steam Traps, 1000 °C and above high-temperature ceramic heat exchanger manufacturer	199. Manufacturing of new Heavy residue gasification Atomization Nozzle, Steam leakage rate of 0.5 percent and below efficient Steam Traps, 1000 °C and above high-temperature ceramic heat exchanger manufacturer		
(77) Manufacturing of devices for recovery of marine oil spill	200. Manufacturing of devices for recovery of marine oil spill		
(78) Manufacturing of equipment for utilization of low concentration coal-mine gas and ventilation air methane	201. Manufacturing of equipment for utilization of low concentration coal-mine gas and ventilation air methane		
	202. Development, utilization and equipment manufacturing of clean coal technological products (coal gasification, liquidization, coal water mixture, industrial coal)		

Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
	203. Technological development and equipment manufacturing of fire fighting and rescue in large public buildings, high-rise buildings, petrochemical infrastructure, forests, mountains, water area and underground infrastructure		
<b>19. Communication and Transportation Equipment Industries</b>	<b>19) Automobile Manufacturing Industry</b>		
(1) Manufacturing of complete automobiles (foreign investments shall not exceed 50%) and construction of automobiles research and development organization	204. Manufacturing of complete automobiles (foreign investments shall not exceed 51%) and construction of automobiles research and development organization	? Wrong translation of 204	
(2) Manufacturing of automobile engine, reused manufacture of engines and construction of engine research and development organization: gasoline motor with output per litre not lower than 50 kw, diesel motor with output per litre not lower than 40 kw and discharge capacity below 3 liters, diesel motor with output per litre not lower than 30 kw and discharge capacity above 3 liters, motor driven by such new resources as fuel cells and compound fuel	205. Manufacturing of automobile engine, reused manufacture of engines and construction of engine research and development organization: gasoline motor with output per litre not lower than 50 kw, diesel motor with output per litre not lower than 40 kw and discharge capacity below 3 liters, diesel motor with output per litre not lower than 30 kw and discharge capacity above 3 liters, motor driven by such new resources as fuel cells and compound fuel	? Wrong translation of 205	Add Continuously Variable Transmission (CVT)  More are encouraged
(3) Manufacturing of key spare parts for automobiles as well as research and development of key technologies: complete disc brakes, complete driving rods, automatic gearboxes (limited to joint ventures), fuel pumps of diesel engine, inhaled supercharger of engines, adhesive axial organ (used for four-wheel drive), hydraulic tappet, electronic cluster gauge (limited to joint ventures and cooperations), crankshaft and connecting bar (diesel motor above 8 liters), Anti-Lock Brake System (ABS, ECU, valve body, sensor), ESP, BBW, electronic braking distribution system (EBD), driving control system, gas generator for automobile airbags, electronic fuel injection system, sprays technology on fuel common rail technology (utmost spray pressure above 1600 pa), VGT, VNT, discharge control equipment of motor meeting the pollutant discharge standard of the fourth phase of China, ITM and coupler assembly, Steer-by-Wire System, Diesel Particulate Filter (DPF), intelligent cylinder, special rubber automobile components	206. Manufacturing of key spare parts for automobiles as well as research and development of key technologies: complete disc brakes, complete driving rods, automatic gearboxes, fuel pumps of diesel engine, inhaled supercharger of engines, adhesive axial organ (used for four-wheel drive), hydraulic tappet, electronic cluster gauge, crankshaft and connecting bar (diesel motor above 8 liters), Anti-Lock Brake System (ABS, ECU, valve body, sensor), ESP, BBW, electronic braking distribution system (EBD), driving control system, gas generator for automobile airbags, electronic fuel injection system, sprays technology on fuel common rail technology (utmost spray pressure above 1600 pa), VGT, VNT, discharge control equipment of motor meeting the pollutant discharge standard of the fourth phase of China, ITM and coupler assembly, Steer-by-Wire System, Diesel Particulate Filter (DPF), intelligent cylinder, special rubber automobile components	? Wrong translation of 206	Automotive electronics bus network technology Add (limited to joint ventures).  Electric power steering system electronic controller add (limited to joint ventures).  With the limitation to JV, so less encouraged
(4) Manufacturing of key parts and components of new energy vehicles: high energy power batteries (energy density $\geq 110\text{Wh/kg}$ cycle life $\geq 2000$ times, and the proportion of foreign investment not exceeding 50%), anode materials of batteries (specific capacity $\geq 150\text{mAh/g}$ , and cycle life of 2000 times with not less than 80% of initial discharge capacity), battery separators (thickness of 15-40 $\mu\text{m}$ , porosity of 40% -60%); Battery management systems, motor management systems, and electronic control integration of electric vehicles; driving motors of electric vehicles (peak power density $\geq 2.5\text{kW/kg}$ , high efficiency area: 65%, working area efficiency $\geq 80\%$ ), automotive DC / DC (input voltage of 100V-400V), high-power electronic devices (IGBTs, voltage class $\geq 600\text{V}$ , current $\geq 300\text{A}$ ); and plug-in hybrid electromechanical coupling drive systems	207. Manufacturing of key parts and components of new energy vehicles: high energy power batteries (energy density $\geq 110\text{Wh/kg}$ cycle life $\geq 2000$ times, and the proportion of foreign investment not exceeding 50%), anode materials of batteries (specific capacity $\geq 150\text{mAh/g}$ , and cycle life of 2000 times with not less than 80% of initial discharge capacity), battery separators (thickness of 15-40 $\mu\text{m}$ , porosity of 40% -60%); Battery management systems, motor management systems, and electronic control integration of electric vehicles; driving motors of electric vehicles (peak power density $\geq 2.5\text{kW/kg}$ , high efficiency area: 65%, working area efficiency $\geq 80\%$ ), automotive DC / DC (input voltage of 100V-400V), high-power electronic devices (IGBTs, voltage class $\geq 600\text{V}$ , current $\geq 300\text{A}$ ); and plug-in hybrid electromechanical coupling drive systems		
5) Manufacturing of key parts for high discharge motorcycle (discharge of over 250ml); technology of electrical control fuel injection for motorcycle (limited to equity joint ventures or contractual joint ventures), engine discharging control device which satisfy motorcycle discharging criteria stage III of China			
	<b>20) Railway, Shipping, Aviation, Aerospace and Other Transportation Equipment B256 Manufacture Industry</b>		
	208. Manufacturing of key parts for high discharge motorcycle (discharge of over 250ml) with engine discharging control device which satisfy motorcycle discharging criteria stage III of China		



Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
(6) Equipment for railway transportation(limited to equity joint ventures or contractual joint ventures): research and development, design as well as manufacturing of complete train and key spare parts(drive system, control system, brake system)of rapid transit railway, railway of passenger special line, intercity railway, trunk railway and equipment for urban railway transportation; research and development, design as well as manufacturing of passenger service facilities and equipment for rapid transit railway, railway of passenger special line, intercity railway and urban railway transportation; design as well as research and development of related information system in the process of construction of information age; research and development, design as well as manufacturing of railway and bridge facilities and equipments for rapid transit railway, railway of passenger special line, intercity railway, manufacturing of equipment and fixtures for electrical railway, research and development of technologies for controlling railway noise and vibrating, manufacturing of discharging equipment for trains, manufacturing of safety monitoring equipment for railway transportation	209. Equipment for railway transportation(limited to equity joint ventures or contractual joint ventures)		
(7) Design, manufacturing and maintaining of civil plane: those of trunk and branch lines(Chinese part shall hold the majority of shares) , general ones(limited to equity joint ventures or contractual joint ventures)	210. Design, manufacturing and maintaining of civil plane: those of trunk and branch lines(Chinese part shall hold the majority of shares) , general ones over 6 tons and 9 seats(limited to equity joint ventures or contractual joint ventures)	210. Design, manufacturing and maintaining of civil plane: those of trunk and branch lines(Chinese part shall hold the majority of shares) , general <del>ones over 6 tons and 9 seats</del> (limited to equity joint ventures or contractual joint ventures)	Delete over 6 tons and 9 seats  More are encouraged
(8) Production and maintaining of spares parts for civil planes	211. Production and maintaining of spares parts for civil planes		
(9) Design and manufacturing of civil helicopters: those of three tons or more(Chinese part shall hold the majority of shares), those of less than three tons (limited to equity joint ventures or contractual joint ventures)	(10) Design and manufacturing of civil helicopters: those of three tons or more(Chinese part shall hold the majority of shares),		
(10) Production of spares parts for civil helicopters	213. Production of spares parts for civil helicopters		
(11) Manufacturing of ground and water effect plane (Chinese part shall hold the majority of shares)	214. Manufacturing of ground and water effect plane (Chinese part shall hold the majority of shares) unmanned aerial vehicle and suspension devices		
(12) Design and manufacturing of no-people plane and aerostat (Chinese part shall hold the majority of shares)			
(13) Design, manufacturing and maintaining of plane engines and spare parts as well as air assistant power system (limited to equity joint ventures or contractual joint ventures)	215. Design, manufacturing and maintaining of plane engines and spare parts as well as air assistant power system		
(14) Design and manufacturing of civil air-borne equipment (limited to equity joint ventures or contractual joint ventures)	216. Design and manufacturing of civil air-borne equipment		
(15) Manufacturing of flight ground equipments: civil airfield facilities, support equipment for civil airfield work, ground equipment for flight test, equipment for flight simulation and practice, equipment for aeronautic testing and measuring, equipment for aeronautic ground testing, comprehensive testing equipment for machines, special equipment for aeronautic manufacturing, equipment for pilot manufacturing aeronautic materials, ground receiving and applying equipment for civil aircraft, ground testing equipment for rocket launcher, equipment for dynamic and environmental experience for rocket launcher	217. Manufacturing of flight ground equipments: civil airfield facilities, support equipment for civil airfield work, ground equipment for flight test, equipment for flight simulation and practice, equipment for aeronautic testing and measuring, equipment for aeronautic ground testing, comprehensive testing equipment for machines, special equipment for aeronautic manufacturing, equipment for pilot manufacturing aeronautic materials, ground receiving and applying equipment for civil aircraft, ground testing equipment for rocket launcher, equipment for dynamic and environmental experience for rocket launcher		
(16) Manufacturing of mechanical and electrical products for aircrafts, temperature control products for aircrafts, test equipment for planet products and structure and organization products for aircrafts	218. Manufacturing of mechanical and electrical products for aircrafts, temperature control products for aircrafts, test equipment for planet products and structure and organization products for aircrafts		
(17) Manufacturing of light gas-turbine engine	219. Manufacturing of light gas-turbine engine		
(18) Design of luxury cruise and equipment for deep-water(over 3000 meters) ocean project(limited to equity joint ventures or contractual joint ventures)	220. Design of luxury cruise and equipment for deep-water(over 3000 meters) ocean project		



Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
(19) Manufacturing and maintaining of equipment for ocean project(including stages)(Chinese part shall hold the majority of shares)	221. Manufacturing and maintaining of equipment for ocean project(including stages)(Chinese part shall hold the majority of shares)		
(20) Design of diesel engine in low or medium speed for vessel (limited to equity joint ventures or contractual joint ventures)	222. Design of diesel engine in low or medium speed for vessel		
(21) Manufacturing of diesel engine in low and medium speed for vessel as well as crankshafts (Chinese part shall hold the majority of shares)	223. Manufacturing of diesel engine in low and medium speed for vessel as well as crankshafts (Chinese part shall hold the majority of shares)		
(22) Design and manufacturing of machinery for vessel compartment(Chinese part shall hold the relative majority of shares)	224. Design and manufacturing of machinery for vessel compartment		
(23) Design and manufacturing of communication and directing systems for vessels: communication systems, electronic directing equipment, vessel radar, electric compass automatic pilot, public broadcasting systems inside vessels and so on	225. Design and manufacturing of communication and directing systems for vessels: communication systems, electronic directing equipment, vessel radar, electric compass automatic pilot, public broadcasting systems inside vessels and so on		
(24) Design and manufacturing of cruiser (limited to equity joint ventures or contractual joint ventures)	226. Design and manufacturing of cruiser (limited to equity joint ventures or contractual joint ventures)		
<b>20. Electric Machinery and Equipment Manufacturing Industries</b>	<b>21) Electric Machinery and Equipment Manufacturing Industries</b>		
(1) Manufacturing of key auxiliary equipment used for 1 million KW ultra supercritical fire-electricity generating set(limited to equity joint ventures and cooperative joint ventures): safety valve and control valve	227. Manufacturing of key auxiliary equipment used for 1 million KW ultra supercritical fire-electricity generating set: safety valve and control valve		
(2) Manufacturing of the equipment of coal-fired power plant and denitrification technology for sintering machine in steel industry	228. Manufacturing of the equipment of coal-fired power plant and denitrification technology for sintering machine in steel industry		
(3) Design and manufacturing of seal parts for fire-electricity equipment	229. Design and manufacturing of seal parts for fire-electricity equipment		
(4) Manufacturing of large scale castings and forgings used for coal-fired power plant and hydropower station	230. Manufacturing of large scale castings and forgings used for coal-fired power plant and hydropower station		
(5) Manufacturing of key auxiliary equipment used for hydroelectric generating set	231. Manufacturing of key auxiliary equipment used for hydroelectric generating set		
(6) Manufacturing of power transmitting and transforming equipment (limited to equity joint ventures and cooperative joint ventures): amorphous alloy transformer, operator used for high-voltage switch of 500KV or more, arc extinguishing device, large-scale disk type insulator(over 1000KV and 50KA), outlet device used for transformer of 500KV or more, casing pipe(AC:500KV,750KV,1000KV and all DC specifications), voltage regulating switch(loaded and unloaded voltage regulating switch for AC 500KV,750KV and 1000KV), dry-type smoothing reactor used for DC transmission, more or less 800KV converter valve used for DC transmission(water cooling equipment and DC field equipment), electrical apparatus contact material as well as non-Pb and non-Cd solders accorded with EU command of RoHS	232. Manufacturing of power transmitting and transforming equipment		
(7) Manufacturing of complete sets of or key new energy equipments for electricity power generation: photovoltaic power generation, geothermal power generation, tidal power generation, wave power generation, rubbish power generation, methane power generation and wind power generation of 2.5MW or above	233. Manufacturing of complete sets of or key new energy equipments for electricity power generation: photovoltaic power generation, geothermal power generation, tidal power generation, wave power generation, rubbish power generation, methane power generation and wind power generation of 2.5MW or above		
(8) Manufacturing of large pumped-storage power units of 350MW power ratings or more(limited to equity joint ventures and cooperative joint ventures): pump turbines and speed controller, large-scale reversible pump-turbine units with varied speed, power generator and excitation, launching apparatus and other accessory equipments	234. Manufacturing of large pumped-storage power units of 350MW power ratings or more(limited to equity joint ventures and cooperative joint ventures): pump turbines and speed controller, large-scale reversible pump-turbine units with varied speed, power generator and excitation, launching apparatus and other accessory equipments		
(9) Manufacturing of Stirling generating set	235. Manufacturing of Stirling generating set		
(10) Development and manufacturing of straight line and plane motor and drive system	236. Development and manufacturing of straight line and plane motor and drive system		

Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
(11) Manufacturing of high-tech green battery: dynamic Ni-Mh battery, zinc and nickel storage cell, zinc and silver storage cell, lithium-ion battery, solar battery, fuel battery and so on(excluding high power battery for new energy vehicles)	237. Manufacturing of high-tech green battery: dynamic Ni-Mh battery, zinc and nickel storage cell, zinc and silver storage cell, lithium-ion battery, solar battery, fuel battery and so on(excluding high power battery for new energy vehicles)		
(12) Electric motor is manufactured by refrigerating and air-conditioning compressors adopting DC speed adjustment technology or CO2 natural refrigerants, and by refrigerating and air-conditioning equipments applying renewable energy(air source, water source and geothermal source)	238. Electric motor is manufactured by refrigerating and air-conditioning compressors adopting DC speed adjustment technology or CO2 natural refrigerants, and by refrigerating and air-conditioning equipments applying renewable energy(air source, water source and geothermal source)		
(13) Manufacturing of solar air conditioning, heating system and solar dryer apparatus	239. Manufacturing of solar air conditioning, heating system and solar dryer apparatus		
(14) Manufacturing of biomass drying pyrolysis system and biomass gasification unit	240. Manufacturing of biomass drying pyrolysis system and biomass gasification unit		
(15) Manufacturing of AC-FM voltage regulation drawbar	241. Manufacturing of AC-FM voltage regulation drawbar		
<b>21. Communication Equipment, Computer and Other Electronic Equipment Manufacturing</b>	<b>22) Communication Equipment, Computer, Communication and Other Electronic Equipment Manufacturing</b>		
(1) Manufacturing of HD digital video camera and digital sound-playing equipment	242. Manufacturing of HD digital video camera and digital sound-playing equipment		
(2) Manufacturing of flat panel display such as TFT-LCD, PDP and OLED, and materials of flat panel display (excluding TFT-LCD glass substrate of the 6th generation or below)	243. Manufacturing of flat panel display such as TFT-LCD, PDP and OLED, and materials of flat panel display (excluding TFT-LCD glass substrate of the 6th generation or below)		
(3) Manufacturing of such key parts as optical engine, light source, projection screen, high-resolution projection tube and LCOS module used in large screen color projection display	244. Manufacturing of such key parts as optical engine, light source, projection screen, high-resolution projection tube and LCOS module used in large screen color projection display		
(4) Manufacturing of digital audio and visual coding or decoding equipment, digital broadcasting TV studio equipment, digital cable TV system equipment, digital audio broadcasting transmission equipment, digital television converter, digital television broadcasting Single Frequency Network(SFN), satellite digital TV up-linking station and front-end equipment of SMATV	245. Manufacturing of digital audio and visual coding or decoding equipment, digital broadcasting TV studio equipment, digital cable TV system equipment, digital audio broadcasting transmission equipment, digital television converter, digital television broadcasting Single Frequency Network(SFN)		
(5) Design of integrate circuit, and manufacturing of large digital integrate circuit with its wire width of 0.18 micron or below, manufacturing of simulated and digital analogy integrate circuit of 0.8 micron or below, and the encapsulation and test of such advanced equipment as BGA, PGA, CSP, MCM and so on	246. Design of integrate circuit, and manufacturing of large digital integrate circuit with its wire width of 28nm or below, manufacturing of simulated and digital analogy integrate circuit of 0.11 micron or below, and the encapsulation and test of such advanced equipment as BGA, PGA, CSP, MCM and so on		
(6) Manufacturing of large and medium-sized computer, high-performance computer with its operation more than 100 trillion times, portable micro computer, high-rank server with its operation more than 1 trillion times per second, large scale simulated system and large industrial control mechanism and controller	247. Manufacturing of large and medium-sized computer, high-performance computer with its operation more than 100 billion billion times, portable micro computer, high-rank server with its operation more than 1 trillion times per second, large scale simulated system and large industrial control mechanism and controller		
(7) Manufacturing of computer digital signal processing system and board card	248. Manufacturing of computer digital signal processing system and board card		
(8) Manufacturing of figure and image recognition and processing system	249. Manufacturing of figure and image recognition and processing system		
(9) Development and manufacturing of large-capability optical and disk driver as well as relevant components	250. Development and manufacturing of large-capability optical and disk driver as well as relevant components		
(10) Manufacturing of high-speed storage system and intelligent storage equipment with its capability more than 100 TB	251. Manufacturing of high-speed storage system and intelligent storage equipment with its capability more than 100 TB		
(11) Manufacturing of Computer Assistance Design(three-dimensional CAD), Computer Assisted Testing (CAT,Computer Aided Manufacture(CAM), Computer Aided Engineering(CAE) and other computer application systems	252. Manufacturing of Computer Assistance Design(three-dimensional CAD), Electronic Design Automation (EDA), Computer Assisted Testing (CAT,Computer Aided Manufacture(CAM), Computer Aided Engineering(CAE) and other computer application systems		
(12) Development and manufacturing of software product	253. Development and manufacturing of software product		
(13) Development and manufacturing of specialized electronic material (excluding the development and manufacturing of optical fibre perform rod)	254. Development and manufacturing of specialized electronic material (excluding the development and manufacturing of optical fibre perform rod)		

Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
(14) Manufacturing of specialized electronic equipment, testing equipment and tools and moulds	255. Manufacturing of specialized electronic equipment, testing equipment and tools and moulds		
(15) Manufacturing of new type electronic components and parts: slice components, sensitive components and sensors, frequency monitoring and selecting components, mix integrated circuit, electrical and electronic components, photoelectric components, new type components for machinery and electronics, high polymer solid capacitor, super capacitor, integrated passive components, high-density interlinked build-up board, multilayer flexible board, flexible printing circuit board and packaging substrate	256. Manufacturing of new type electronic components and parts: slice components, sensitive components and sensors, frequency monitoring and selecting components, mix integrated circuit, electrical and electronic components, photoelectric components, new type components for machinery and electronics, high polymer solid capacitor, super capacitor, integrated passive components, high-density interlinked build-up board, multilayer flexible board, flexible printing circuit board and packaging substrate		
(16) Manufacturing of touch control system (touch control screen and components)	257. Manufacturing of touch control system (touch control screen and components)		
(17) High-brightness LBD with its luminous efficiency more than 100lm/W, epitaxial slice LBD(blue) with its luminous efficiency more than 100lm/W, white luminous tube with luminous efficiency more than 100lm/W and its power more than 200mW	258. High-brightness LBD with its luminous efficiency more than 140lm/W, epitaxial slice LBD (blue) with its luminous efficiency more than 140lm/W, white luminous tube with luminous efficiency more than 140lm/W and its power more than 200mW		
(18) Development and manufacturing of key components and parts used in high-precision digital CD drive	259. Development and manufacturing of key components and parts used in high-precision digital CD drive		
(19) Reproduction of read-only compact disk and manufacturing of recordable compact disk	260. Manufacturing of recordable compact disk		
(20) Design and manufacturing of civil satellites (Chinese partner shall hold the majority of shares)	261. Design and manufacturing of civil satellites, civil satellite payload manufacturing (Chinese partner shall hold the majority of shares)		
(21) Manufacturing of civil satellites effective payload (Chinese partner shall hold the majority of shares)			
(22) Manufacturing of spare parts for civil satellites	262. Manufacturing of spare parts for civil satellites		
(23) Manufacturing of telecommunication system equipment for satellites	263. Manufacturing of telecommunication system equipment for satellites		
(24) Manufacturing of receiving equipment of satellite navigation and key components			
(25) Manufacturing of optical communication measuring instrument and light transceiver with its speed more than 10Gb/s	264. Manufacturing of optical communication measuring instrument and light transceiver with its speed more than 40Gb/s		
(26) Manufacturing of Ultra Broad Band (UWB) communication equipment	265. 超宽带 (UWB) 通信设备制造		
(27) Manufacturing of wireless Local Area Network(including support of WAPI) and Wide Area Network equipment	266. Manufacturing of wireless Local Area Network(including support of WAPI) and Wide Area Network equipment		
(28) Rate time division multiplex equipment(TDM) with speed more than 40Gbps, dense wavelength division multiplex equipment(DWDM), broadband passive network devices(including EPON, GPON, WDM-PON, etc.), next-generation DSL chip and its equipment, optical cross connect(OXC), automatic switch optical network(ASON), and optical fiber communication and transmission equipment more than 40G/sSDH	267. Rate time division multiplex equipment(TDM) with speed more than 100Gbps, dense wavelength division multiplex equipment(DWDM), broadband passive network devices(including EPON, GPON, WDM-PON, etc.), next-generation DSL chip and its equipment, optical cross connect(OXC), automatic switch optical network(ASON), and optical fiber communication and transmission equipment more than 40G/sSDH		
(29) Development and manufacturing of next-generation Internet system equipment, terminal equipment, testing equipment, software and chips based on IPv6	268. Development and manufacturing of next-generation Internet system equipment, terminal equipment, testing equipment, software and chips based on IPv6		
(30) Development and manufacturing of third-generation and the following mobile communication system mobile phone, base station, core network equipment and network testing equipment	269. Development and manufacturing of third-generation and the following mobile communication system mobile phone, base station, core network equipment and network testing equipment		
(31) Development and manufacturing of high-end router, network switcher of more than 1 gigabite	270. Development and manufacturing of high-end router, network switcher of more than 1 gigabite		
(32) Manufacturing of the equipment for air traffic control system (limited to joint venture and cooperation)	271. Manufacturing of the equipment for air traffic control system		
	272. Development and manufacturing of Chinese medicine electronic-aid educational device, virtual pathology, physiological model device based on sound, light, electricity, touch-sensitive and other computer technologies		

Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
<b>22. Machinery Manufacturing Industries for Instrument and Meter as well as Culture and Office</b>	<b>23) Machinery Manufacturing Industries for Instrument and Meter</b>		
(1) Manufacturing of automation control system and apparatus in industrial processing: field-bus control system, large programmable logic controller(PLC), two-phase flowmeter and solid flowmeter, new type sensor and field measurement instrument	273. Manufacturing of automation control system and apparatus in industrial processing: field-bus control system, large programmable logic controller(PLC), two-phase flowmeter and solid flowmeter, new type sensor and field measurement instrument		
(2) Development and manufacturing of large-scale sophisticated instruments: electron microscope, laser scanning microscope, scanning tunneling microscope, electron microprobe, large-scale metallurgical microscope, photoelectric direct-reading spectrometer, Raman spectrometer, mass spectrometer, chromatography-mass spectrometer, nuclear magnetic resonance spectrometer, nergy dispersive system, X-ray fluorescence spectrometer, diffraction analysis system, industrial CT, 450KV industrial X-ray inspection machine, large-scale dynamic balancing machine, automatic testing system of on-line mechanical quality, three coordinate measuring machine, laser comparator, electrical prospecting apparatus, over 500m airborne electrical prospecting and gamma-ray spectrometry measuring insrument, borehole gravimetry and three dimensional magnetograph, high-precision microgal and aviation gravity gradiometer, high precision micro-gamma gravity and airborne gravity gradiometry instrument, grating scale and encoder	274. Development and manufacturing of large-scale sophisticated instruments		
(3) Manufacturing of high-precision digital voltmeter, current meter(with measuring range of seven bit and a half and above)	275. Manufacturing of high-precision digital voltmeter, current meter(with measuring range of seven bit and a half and above)		
(4) Manufacturing of wattless power automatic compensation equipment	276. Manufacturing of wattless power automatic compensation equipment		
(5) Manufacturing of new instrument and equipment for safety production	277. Manufacturing of new instrument and equipment for safety production		
(6) Manufacturing of VXI bus automatic test system (in accordance with IEEE1155 international standards)	278. Manufacturing of VXI bus automatic test system (in accordance with IEEE1155 international standards)		
(7) Development and manufacturing of comprehensive management system for under-mine monitoring and disaster-forecasting apparatus and coal safety measurement	279. Development and manufacturing of comprehensive management system for under-mine monitoring and disaster-forecasting apparatus and coal safety measurement		

Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
(8) Manufacturing of the equipment for engineering measurement and global geographical observation: digital triangle surveying system, digital programmed system for three-dimensional topography model (acreage>1000×1000mm, horizontal error<1mm, altitude error <0.5mm), ultral wideband seismograph(φ<5cm, frequency band0.01-50HZ, equivalent quaking speed noise<10-9m/s), integrated earthquake data processing system, extensive under-well earthquake and auspice observation apparatus, sophisticated controllable epicenter system, engineering velocity measuring system, high-precision GPS receiver(precision 1mm+1ppmm), INSAR graphics receiving and processing system, absolute gravimeter with the precision less than 1 microgal, satellite gravimeter, Doppler weather radar adopting coherent technology or double polarization technology, visibility measuring apparatus, meteorological sensor, (including temperature, pressure, humidity, wind, precipitation, cloud, visibility, radiation, frozen earth and depth of snow), anti lightning stroke system, multilevel soot and dust sampler, three-dimensional supersonic anemoscope, high-precision intelligent total station machine, three-dimensional laser scanner, high performance diamond bit used for drilling, laser rangefinder without cooperative target, wind profiler(affixed with RASS), GPS electronic probe system, CO2/H2O general observation system, boundary layer laser doppler radar, granule chromatography(3nm-20μm), high-performance data collector and under-water glider	280. Manufacturing of the equipment for engineering measurement and global geographical observation		
(9) Manufacturing of environment motoring apparatus: SO2 automatic sampler and calcimeter, NOX or NO2 automatic sampler and calcimeter, O3 automatic monitor, CO automatic monitor, sampler and sample cutter for soot and Pm2.5 dust, portable calcimeter for harmful and toxic gas, automatic analyzer for organic pollutants in the air, COD automatic online monitor, BOD automatic online monitor, automatic online monitor for turbidity, DO automatic online monitor, TOC automatic online monitor, automatic online monitor for ammonia nitrogen, radiation dose monitor, ray analyzer, heavy metal online monitoring equipment, online warning and monitoring equipment for biological toxicity of water quality	281. Manufacturing of environment motoring apparatus		
(10) Manufacturing of instrument and equipment for hydrological data collecting, processing, transmitting and flood warning	282. Manufacturing of instrument and equipment for hydrological data collecting, processing, transmitting and flood warning		
(11) Manufacturing of ocean exploring apparatus and equipment: underwater video camera and underwater camera in mesopelagic zone, multi-beam explorer, shallow and deeper subbottom profiler, navigation warm-salt profiler, fluxgate compass, hydraulic wire line winch, underwater airproof electronic connector, energy recycle device used in filtration-proof seawater desalination with its efficiency more than 90%, marine ecosystem inspection buoy, section probing buoy, disposable measuring instrument of electrical conductivity, temperature and depth (XCTD), on-the-spot water quality measuring apparatus, intelligent chemical transducer for measuring the water quality of the ocean(continues work for 3-6 months), electromagnetic current meter sensor, navigating acoustic Doppler current profiler(self-contained, direct-read, used-in-ship), electricity conductivity rate deep-section profiler, acoustic responding emancipator, far deep sea tide measuring system(set deep into the ocean)	283. Manufacturing of ocean exploring apparatus and equipment		
(12) Manufacturing of digital camera of over 10 million pixels			
(13) Office machinery manufacturing: multifunctional integration office equipment(copying, printing, facsimile and scanning), color printing equipment, color printer head with high resolution of 2400dpi or above			

Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
(14) Manufacturing of film machinery: 2K or 4K digital cinema projector, digital movie camera as well as digital image production and editing device			
<b>23. Handicraft and Other Manufacturing Industries</b>			
(1) Development and utilization of clean-coal technical product as well as equipment manufacturing (coal gasification, coal liquefaction, water-coal and industrial lump-coal)			
	<b>24) Comprehensive utilization of waste resources</b>		
(2) Coal ore dressing by washing as well as comprehensive utilization of powered coal(including desulphurized plaster) and coal gangue	284. Coal ore dressing by washing as well as comprehensive utilization of powered coal(including desulphurized plaster) and coal gangue		
(3) Production of the all biodegradable material	285. Production of the all biodegradable material		
(4) Recovery and treatment of waste electrical appliances and electronic product, automobiles, electrical and mechanical equipment, rubber, metal and battery	286. Recovery and treatment of waste electrical appliances and electronic product, automobiles, electrical and mechanical equipment, rubber, metal and battery		
<b>IV. Production and Supply of Power, Gas and Water</b>	<b>IV. Production and Supply of Power, Heating Power, Fuel Gas and Water</b>		
	Construction and operation of ultra supercritical power plant units with single unit of 600000w and above		
1. Construction and operation of electricity power by employing the clean fuel technology of integral gasification combined circulation(IGCC), circulating fluidized bed over of 0.3 million KW or above, pressurized fluidized bed combustion combined cycle(PFBC)of 0.1 million KW or above	288. Construction and operation of electricity power by employing the clean fuel technology of integral gasification combined circulation(IGCC), circulating fluidized bed over of 0.3 million KW or above		
	289. Construction and operation of large-scale air-cooling unit power stations with single unit of 600000kw and above in water-deficient areas		
	290. Construction and operation of clean coal power generation projects such as IGCC		
	291. Construction and operation of power generation projects using fluidized-bed combustion boiler and gangue, middings, slurry, with single unit of 300000kw and above		
3. Construction and management of hydropower station with the main purpose of power generating	292. Construction and management of hydropower station with the main purpose of power generating		
4. Construction and management of nuclear power plant (Chinese partner shall hold the majority of shares)	293. Construction and management of nuclear power plant (Chinese partner shall hold the majority of shares)		
5. Construction and management of new energy power plant (solar energy, wind energy, geothermal energy, tide energy, wave energy and biological mass energy, etc.)	294. Construction and management of new energy power plant (solar energy, wind energy, geothermal energy, tide energy, wave energy and biological mass energy, etc.)		
	295. Construction and operation of power grids (Chinese partner shall hold the majority of shares)		
6. Utilization of sea water(direct use of sea water, seawater desaltation)	296. Utilization of sea water(direct use of sea water, seawater desaltation)		
7. Construction and operation of water-supply plant	297. Construction and operation of water-supply plant		
8. Construction and management of regenerated water plant	298. Construction and management of regenerated water plant		
	299. Construction and operation of sewage treatment plant		
9. Construction and management of charging and battery replacement station for vehicle	300. Construction and management of charging and battery replacement station for vehicle		
<b>V. Communication and Transportation, Storage. Post and Telecommunication Services</b>	<b>V. Communication and Transportation, Storage. Post and Telecommunication Services</b>		
1. Construction and management of grid of national trunk railways (Chinese partner shall hold the majority of shares)	301. Construction and management of grid of national trunk railways (Chinese partner shall hold the majority of shares)		

Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
2. Construction and management of feeder railways, local railways and related bridges, tunnels and ferry facilities (limited to equity joint ventures or contractual joint ventures)	302. Construction and management of intercity railways, city (rural) railways, resource type development railways, feeder railways, local railways and related bridges, tunnels and ferry facilities (limited to equity joint ventures or contractual joint ventures)		
3. Comprehensive maintenance of infrastructure of high-speed railway, special railway line, intercity (Chinese partner shall hold the majority of shares)	303. Comprehensive maintenance of infrastructure of high-speed railway, special railway line, intercity		
4. Construction and management of highways, independent bridges and tunnels	304. Construction and management of highways, independent bridges and tunnels		
5. Road freight transportation companies	305. Road freight transportation companies		
6. Construction and management of public dock facilities of ports	306. Construction and management of public dock facilities of ports		
7. Construction and management of civil airports (the Chinese party shall hold the relative majority of shares)	307. Construction and management of civil airports (the Chinese party shall hold the relative majority of shares)		
8. Air transportation companies (Chinese partner shall hold the majority of shares)	308. Air transportation companies (Chinese partner shall hold the majority of shares, share held by a single foreign investor and its affiliated enterprises shall not exceed 25%)		
9. General aviation companies for agriculture, forest and fishery (limited to equity joint ventures or contractual joint ventures)	309. General aviation companies for agriculture, forest and fishery (limited to equity joint ventures or contractual joint ventures)		
10. International liner and tramp maritime transportation business (the Chinese party shall hold the relative majority of shares)	310. International liner and tramp maritime transportation business (the Chinese)	310. International liner and tramp maritime transportation business (limited to equity joint ventures or contractual joint ventures)	Add (limited to equity joint ventures or contractual joint ventures)  Less encouraged
11. International containers inter-model transportation	311. International containers inter-model transportation		
12. Construction and management of oil (gas) pipelines, oil (gas) depots and petroleum wharf	312. Construction and management of oil (gas) pipelines, oil (gas) depots and petroleum wharf		
13. Construction and management of the facilities of coal delivery pipelines	313. Construction and management of the facilities of coal delivery pipelines		
14. Construction and management of storage facilities relating to transportation services	314. Construction and management of storage, packaging, processing, distribution facilities relating to transportation services		
<b>VI. Wholesale and Retail Industries</b>	<b>VI. Wholesale and Retail Industries</b>		
1. Modern logistics and related technological services such as joint delivery of common products, low-temperature delivery of fresh agricultural products etc.	315. Modern logistics and related technological services such as joint delivery of common products, low-temperature delivery of fresh agricultural products and special drugs etc.		
2. Rural distribution chain	316. Rural distribution chain		
3. Construction and operation of pallets and container unit systems	317. Construction and operation of pallets and container unit systems		
<b>VII. Leasing and Commercial Service Industry</b>	<b>VII. Leasing and Commercial Service Industry</b>		
1. Accounting, auditing (limited to cooperation and partnership)	318. Accounting, auditing	318. Accounting, auditing (Chief Partner need to have Chinese nationality)	Add (Chief Partner need to have Chinese nationality)  Less encouraged
2. Consultation services related to international economics, science and technology, environmental protection and logistics information	319. Consultation services related to international economics, science and technology, environmental protection and logistics information		
3. Information technology and BPO services such as system application management and maintenance, information technology support management, back-office banking services, financial settlement, HR service, software development, offshort call centre, data-processing etc.	320. Information technology and BPO services such as system application management and maintenance, information technology support management, back-office banking services, financial settlement, software development, offshort call centre, data-processing etc.		
4. Start-up investment enterprise	321. Start-up investment enterprise		
5. IPR service	322. IPR service		
6. Family service industry	323. Family service industry		



Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
<b>VIII. Scientific research, technology service and geological exploration</b>	<b>VIII. Scientific research, technology service</b>		
1. Biological engineering technique and bio-medical engineering technique	324. Biological engineering technique and bio-medical engineering technique 术		
2. Isotope, irradiation and laser technique	325. Isotope, irradiation and laser technique		
3. Sea development and sea energy development technology, comprehensive technology of sea chemical resources, development of the relevant products and deep-processing technology, sea medicine and biochemical product development technology	326. Sea development and sea energy development technology, comprehensive technology of sea chemical resources, development of the relevant products and deep-processing technology, sea medicine and biochemical product development technology		
4. Sea surveying technology( sea tidal wave, meteorology, environmental monitoring) sea bed probing, exploration and evaluation technology of ocean resource	327. Sea surveying technology( sea tidal wave, meteorology, environmental monitoring) sea bed probing, exploration and evaluation technology of ocean resource		
5. Comprehensively use the high chemical additional value technology to distill chemical potassium, bromine, magnesium from dense sea water after desalination and its deep procession	328. Comprehensively use the high chemical additional value technology to distill chemical potassium, bromine, magnesium from dense sea water after desalination and its deep procession		
6. Development of offshore oil pollution cleanup and ecological restoration technology and related product, technology of water eutrophication control, technology of disaster prevention for explosive growth of marine organisms, and technology of coastal eco-environmental remediation.	329. Development of offshore oil pollution cleanup and ecological restoration technology and related product, technology of water eutrophication control, technology of disaster prevention for explosive growth of marine organisms, and technology of coastal eco-environmental remediation.		
7. Development and services of energy-saving technology	330. Development and services of energy-saving and environmental protection technology		
8. Technology for recycling and comprehensive utilization of resource, development and application of the recycling technology of the waste dispelled by enterprises	331. Technology for recycling and comprehensive utilization of resource, development and application of the recycling technology of the waste dispelled by enterprises		
9. Technology for environment pollution treatment and monitoring	332. Technology for environment pollution treatment and monitoring		
10. Energy-saving and consumption-reduction in chemical fiber production and the new technology to deal with polluted air,water and solid waste	333. Energy-saving and consumption-reduction in chemical fiber production and the new technology to deal with polluted air,water and solid waste		
11. Technology for preventing from desertification and desert improvement	334. Technology for preventing from desertification and desert impr		
12. Comprehensive management technology for balancing grass and domestic animal	335. Comprehensive management technology for balancing grass and domestic animal		
13. Application technique of civil satellite	336. Application technique of civil satellite		
14. Research and development centers	337. Research and development centers		
15. Incubator for hi-tech, new products developing, and incubation of enterprises	338. Incubator for hi-tech, new products developing, and incubation of enterprises		
	339. Development and application of the internet of things		
	340. Creative industries such as industrial design, architecture design, fashion design etc.		
<b>IX. Water, environment and public facility management industry</b>	<b>IX. Water, environment and public facility management industry</b>		
1. Construction and management of key water control projects for comprehensive utilization (the Chinese party shall hold the relative majority of shares)	341. Construction and management of key water control projects for comprehensive utilization (the Chinese party shall hold the relative majority of shares)		
2. Construction and management of urban access-controlled roads	342. Construction and management of urban access-controlled roads		
3. Construction and management of metro and city light rail (Chinese partner shall hold the majority of shares)	343. Construction and management of metro and city light rail (Chinese partner shall hold the majority of shares)		
4. Construction and management of treatment plants for sewage, garbage, the dangerous wastes (incineration and landfill), and the facilities of environment pollution treatment	344. Construction and management of treatment plants for garbage, the dangerous wastes (incineration and landfill), and the facilities of environment pollution treatment		
<b>X. Education</b>	<b>X. Education</b>		
1. Advanced educational institution (only limited to joint venture or cooperative)			

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Catalogue of Encouraged Foreign Investment Industries	Catalogue of Encouraged Foreign Investment Industries	Encouraged Industries	
2. Vocational skills training	345. Vocational skills training	Non-academic vocational training institutions	Modified and emphasised on non-academic
<b>XI. Public health, social security and social welfare</b>	<b>XI. Public health, social security and social welfare</b>		
1. Service Institution for the senior, disabled and children	346. Service Institution for the elderly, disabled and children		
	347. Care institution for the elderly		
<b>XII. Culture, sports and entertainment</b>	<b>XII. Culture, sports and entertainment</b>		
1. Operation of the performance site (the Chinese party shall hold the relative majority of shares)	348. Operation of the performance site		
2. Operation of the gymnasium, body-fitting, competition performance, sports training and agency service	349. Operation of the gymnasium, body-fitting, competition performance, sports training and agency service		

Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Restricted Foreign Investment Industries	Catalogue of Restricted Foreign Investment Industries	Restricted Industries	
<b>I. Farming, Forestry, Animal Husbandry and Fishery Industries</b>	<b>I. Farming, Forestry, Animal Husbandry and Fishery Industries</b>		
1. Breeding and seeds developing production of new train crop breed (Chinese party shall hold the majority of shares)	1. Breeding and seeds developing production of new train crop breed (Chinese party shall hold the majority of shares)		
2. Processing of the logs of precious varieties of trees (limited to equity joint ventures or contractual joint ventures)			
3. Cotton (raw cotton) processing			
<b>II. Mining Industries</b>	<b>II. Mining Industries</b>		
1. Exploring and mining of special and scarce coals exploration (Chinese partner shall hold the majority of shares)	2. Exploring and mining of special and scarce coals exploration (Chinese partner shall hold the majority of shares)		
2. Exploring and mining of barite (limited to equity joint ventures or contractual joint ventures)			
3. Exploring and mining of precious metals (gold, silver, platinum families)	3. Exploring and mining of precious metals (gold, silver, platinum families)		
4. Exploring and mining of precious non-metals such as diamond, high-aluminium fireclay, wollastonite and graphite.	4. Exploring and mining of graphite		
5. Exploring and cradling of phosphorite, lithium and pyrite; refining of salt lake brine resources.	5. Exploring and cradling of lithium		
6. Mining of szaibelyite and szaibelyite iron ores			
7. Exploring of celestite.			
8. Exploring of ocean manganese nodules and sea sand (Chinese partner shall hold the majority of shares).			
<b>III. Manufacturing Industries</b>	<b>III. Manufacturing Industries</b>		
<b>1. Farming Subsidiary Foodstuff Industry</b>			
(1) Processing of soybean, rapeseed edible oil (Chinese partner shall hold the majority of shares), rice and flour; deep-processing of corn	6. Processing of soybean, rapeseed edible oil (Chinese partner shall hold the majority of shares), rice, flour and <b>raw sugar</b> ; deep-processing of corn		
(2) Manufacturing of biology liquid fuel	7. Manufacturing of biology liquid fuel		
<b>2. Beverage Manufacturing Industries</b>			
1. Production of yellow wine and Chinese spirits (Chinese partner shall hold the majority of shares).			
3. Tobacco Industries			
(1) Manufacturing of threshing and curl tobacco leaf			
<b>4. Printing and Copy of Recording Vehicle</b>			
(1) Print of publication (Chinese partner shall hold the majority of shares, except packing and presentation)			
<b>5. Petroleum Processing and Coking Industries</b>			
(1) Construction and management of refineries which annual produce less than 800 ten thousand tons			
<b>6. Chemical Raw Material Products Manufacturing Industry</b>			
(1) Sodium hydroxide and potash production			
(2) Production of sensitive materials			
(3) Production of benzidine			
(4) Production of chemical products from which narcotics are easily made (ephedrine, 3, 4-idene dihydro phenyl-2-acctonc, phenylacetic acid, 1-phenyl-2-acetone, heliotropin, safrole, isosafrole, acetic oxide)			
(5) Production of fluorine-chlorocardon, hydrogen- fluorine-chlorocardon, tetrafluoroethylene, fluorination-aluminum and hydrofluoric acid			
(6). Production of butadiene rubber (except for high cis-butadiene rubber), emulsion polymerization of styrene butadiene rubber and thermoplastic styrene-butadiene rubber			
(7). Production of PVC with acetylene process and small-scale production of ethylene and post-processed products			
(8). Small-scale production of paint with obsolete process and hazardous substances			
(9). Processing of baron, magnesium, iron ores			

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Catalogue of Restricted Foreign Investment Industries	Catalogue of Restricted Foreign Investment Industries	Restricted Industries	
(10). Production of inorganic salts using outdated process with big resource consumption and serious environmental pollution.			
<b>7. Medical and Pharmaceutical Products Industry</b>			
(1) Production of chloramphenicol, penicillin G, lincomycin, gentamicin, dihydrostreptomycin, amikacin, tetracycline hydrochloride, oxytetracycline, medemycin, kitasamycin, ilotyin, ciprofloxacin and ofloxacin			
(2) Production of analgin, paracetamol, Vitamin B1, Vitamin B2, Vitamin C, Vitamin E			
(3) Production of immunity vaccines included in the state plan			
(4) Production of material medicines for addiction narcotic and A class psychoactive drug (Chinese partner shall hold the majority of shares)			
(5) Production of blood products			
<b>8. Chemical Fibre Production Industry</b>			
(1) Production of chemical fibre drawnwork of conventional chipper			
(2) Production of rayon staple viscose fibre			
		8. Publication printing (Chinese party shall hold the majority of shares)	Newly introduced, more restricted
<b>9. Non-Ferrous Metal Smelting and Rolling Processing Industry</b>			
(1) Non-ferrous metal refining of tungsten, molybdenum, stannum (except tin compounds), antimony (including antimony oxide and antimony sulphide)	8. Non-ferrous metal refining of tungsten, molybdenum, stannum (except tin compounds), antimony (including antimony oxide and antimony sulphide)		
(2) Non-ferrous metal refining of electrolytic aluminium, copper, lead, zinc and another non-ferrous metal			
(3) Smelting and separation of rare earth metal (limited to equity joint ventures or contractual joint ventures)	9. Smelting and separation of rare earth metal (limited to equity joint ventures or contractual joint ventures)		
<b>10. Common Purpose Equipment Manufacturing Industry</b>			
(1) Manufacture of all kinds of general (p0) axletree and accessory (steel ball, cage), rough			
(2) Manufacture of wheeled model, crawler crane less than 400 tons (limited to equity joint venture and contractual joint venture)			
<b>11. Special Purpose Equipment Manufacturing Industry</b>			
(1) Manufacture of equipment for producing long dacron thread and short fibre			
(2) Manufacture of crawler dozers of less than 320 horsepower, hydraulic excavator less than 30 tons, wheel loader less than 6tons, grader of less than 220 horsepower, road roller, fork-lift truck, non-calzada dumper truck, road surface milling rework machinery, garden machine and tools, production of commodity concrete machinery (pump, agitating lorry, pump vehical)			
<b>12. Manufacturing of transport and communication facilities</b>			
	10. Manufacturing of whole-unit automobiles, special-use automobiles and motorcycles: the share of the Chinese partner should be no less than 50%; any given foreign investor can establish in China no more than two joint venture entities that manufacture whole-unit automobiles of the same category (passenger use, commecial use and motorcycles); in case of merging other domestic automobile manufacturers jointly with a Chinese partner, the foreign investor can be exempted from the above-mentioned maximum two restriction		
(1) Repairing, design and manufacture of common ship (including subsection) (Chinese partner shall hold the majority of shares)	11. Repairing, design and manufacture of common ship (including subsection) (Chinese partner shall hold the majority of shares)		
13. Manufacturing of Communication Apparatus, Computers and another Electric Installation			
(1) Production of satellite television receivers and key parts	12. Production of satellite television receivers and key parts		
<b>IV. Production and Supply of Power, Gas and Water</b>	<b>IV. Production and Supply of Power, Heating Power, Fuel Gas and Water</b>		

Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Restricted Foreign Investment Industries	Catalogue of Restricted Foreign Investment Industries	Restricted Industries	
1. Construction and management of conventional coal-fired power of condensing steam plants whose unit installed capacity is less than 300,000kW, within the small power grid, and the coal-fired power of condensing-extraction steam plants with dual use unit cogeneration	13. Construction and management of conventional coal-fired power of condensing steam plants whose unit installed capacity is less than 300,000kW, within the small power grid, and the coal-fired power of condensing-extraction steam plants with dual use unit cogeneration		
2. Construction and operation of power grids (Chinese partner shall hold the majority of shares)			
3. Construction and operation of fuel gas, heating, water supply and sewage networks in cities with population of over 500,000 (Chinese partner shall hold the majority of shares)	14. Construction and operation of fuel gas, heating, water supply and sewage networks in cities with population of over 500,000 (Chinese partner shall hold the majority of shares)		
<b>V. Communication and Transportation, Storage, Post and Telecommunication Services</b>	<b>V. Communication and Transportation, Storage, Post and Telecommunication Services</b>		
1. Railway freight transportation companies			
2. Railway passenger transportation companies (Chinese partner shall hold the majority of shares)	15. Railway passenger transportation companies (Chinese partner shall hold the majority of shares)		
3. Corporate of highway passenger transport	16. Corporate of highway passenger transport		
4. Corporate of enter-leave country fleet operation			
5. Corporate of water transportation (Chinese partner shall hold the majority of shares)	17. Corporate of water transportation (Chinese partner shall hold the majority of shares)		
6. General aviation companies engaging in photographing, prospecting and industry (Chinese partner shall hold the majority of shares)	18. General aviation companies engaging in <b>business flight, aerial touring</b> , photographing, prospecting and industry (Chinese partner shall hold the majority of shares)		
		<b>VI Information transmission, software and IT services</b>	<b>New category, relabelling</b>
7. Tele-communication companies: telecommunication increment service (the foreign capital less than 50 percent), motion tone and data service in basic telecom (the foreign capital less than 49 percent)	19. Tele-communication companies: telecommunication increment service (the foreign capital less than 50 percent, except for e-commerce), motion tone and data service in basic telecom (the foreign capital less than 49 percent)		
<b>VI. Wholesale and Retail Trade Industries</b>	<b>VI. Wholesale and Retail Trade Industries</b>		
1. Commercial companies of commodity direct selling, mail order selling, Internet selling, franchising, commissioned operation, commercial management			
2. Buying of grain, wholesale of grain and cotton	20. Buying of grain, wholesale of grain and cotton, <b>construction and operation of large-scale wholesale markets of agriculture products.</b>		
3. Construction and operation of large-scale wholesale markets of agriculture products.			
4. Distributing and selling of audiovisual products (excluding movies)(joint venture or Chinese should hold the majority of shares)			
5. Ship agent (Chinese should hold the majority of shares), tally for foreign vessels (limited to equity joint ventures or contractual joint ventures)	21. Ship agent (Chinese should hold the majority of shares), tally for foreign vessels (limited to equity joint ventures or contractual joint ventures)		
6. Wholesaling product oil and construction and operation of gasoline stations (Chinese should hold the majority of shares of the multiple shops which have more than 30 branch stores and sale different kinds and brands of commodities from multi-suppliers)	22. Construction and operation of gasoline stations (Chinese should hold the majority of shares of the multiple shops which have more than 30 branch stores and sale different kinds and brands of commodities from multi-suppliers)		
<b>VII. Banking and Insurance Industries</b>	<b>VII. Banking and Insurance Industries</b>		
1. Banks, finance companies, trust investment companies, currency brokerage companies	23. Banks ( <b>in case of a single overseas financial institution and its affiliated party injecting investment into a single Chinese commercial bank as either an initiator or strategic investor, the proportion of shares should not exceed 20%; in case of more than one overseas financial institutions and their affiliated parties making the investment, the proportion of share should not exceed 25%; investment in rural commercial banks is limited to overseas banking institutions</b> )	23. Banks (in case of a single overseas financial institution and its affiliated party injecting investment into a single Chinese commercial bank as either an initiator or strategic investor, the proportion of shares should not exceed 20%; in case of more than one overseas financial institutions and their affiliated parties making the investment, the proportion of share should not exceed 25%; investment <b>in medium and small sized rural commercial institutions banks</b> is limited to overseas banking institutions)	<b>Modified as in medium and small sized rural commercial institutions</b>
2. Insurance companies (the share of life-insurance companies is less than 50%)	24. Insurance companies (the share of life-insurance companies is less than 50%)		

Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Restricted Foreign Investment Industries	Catalogue of Restricted Foreign Investment Industries	Restricted Industries	
3. Security companies and security investment fund management companies (the share of foreign-capital is less than 49%)	25. Security companies (establishment is limited to the underwriting and sponsoring of renminbi common stock, foreign stock and government bonds; brokerage of foreign stock; brokerage and self-operation of government bonds and company bonds; After 2 years of establishment, companies that meet the necessary criteria may apply to expand scope of operation; the share of foreign-capital is less than 49%) and security investment fund management companies (the share of foreign-capital is less than 49%)		
4. Insurance brokerage companies			
5. Futures companies (Chinese should hold the majority of shares)	26. Futures companies (Chinese should hold the majority of shares)		
<b>VIII. Real Estate Industry</b>			
1. Development of pieces of land (limited to equity joint ventures or contractual joint ventures)			
2. Construction and operation of high-ranking hotels, villas, high-class office buildings and international exhibition centers			
3. Real estate transaction in second-grade market and medium and brokerage companies			
<b>IX. Leasing and Commercial Service Industry</b>	<b>IX. Leasing and Commercial Service Industry</b>		
1. Legal consulting			
2. Market Research (limited to equity joint ventures or contractual joint ventures)	27. Market Research (limited to equity joint ventures or contractual joint ventures)	27. Market Research (limited to equity joint ventures or contractual joint ventures and radio and television ratings survey requires Chinese partner shall hold the majority of shares)	Add radio and television ratings survey requires Chinese partner shall hold the majority of shares More restricted
3. Status enquiry and grade service companies	28. Status enquiry and grade service companies		
<b>X. Scientific Research and Technical Services Industries, Geological Prospecting</b>	<b>X. Scientific Research and Technical Services Industries</b>		
1. Mapping companies (Chinese partner shall hold the majority of shares)	29. Mapping companies (Chinese partner shall hold the majority of shares)		
2. Inspection, verification and attestation companies for imported and exported goods			
3. Photography service (including trick photography like airphotograph, except mapping aerial photography, limited to equity joint ventures)			
<b>XI. Education</b>	<b>XI. Education</b>		
	30. Higher education institutions (limited to equity joint ventures or contractual joint ventures)		
1. Common high school education mechanism (limited to contractual joint venture)	31. Common high school education mechanism (limited to contractual joint venture or led by Chinese partner)		
	32. Nursery education (limited to contractual joint venture or led by Chinese partner)	32. Pre-school institutions (limited to contractual joint venture or led by Chinese partner)	Change Nursery education to Pre-school institutions
	<b>XII. Healthcare and Social Work</b>		
	33. Healthcare institutions (limited to contractual joint venture)	33. Healthcare institutions (limited to equity joint ventures contractual joint venture)	Add limited to equity joint ventures More restricted
<b>XII. Art, Sports and Entertainment Industries</b>	<b>XIII. Art, Sports and Entertainment Industries</b>		
1. Production and publication of broadcasting and TV programs and film-making (limited to contractual joint ventures)	34. Production and publication of broadcasting and TV programs and film-making (limited to contractual joint ventures)		
2. Construction and operation of cinemas (Chinese partner shall hold the majority of shares)		36. Construction and operation of movie theatres	newly introduced More restricted
3. Construction and operation of large theme park		37. Construction and operation of large theme parks	newly introduced More restricted
4. Brokering agency of stage performances		38. Performance agencies (Chinese partner shall hold the majority of shares)	newly introduced More restricted
5. Operation of entertainment places (limited to joint venture and contractual joint venture)			
	35. Production of audiovisual products and electronic publications (Chinese partner shall hold the majority of shares)	<del>35. Production of audiovisual products and electronic publications- (Chinese partner shall hold the majority of shares)</del>	Delete, less restricted

Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Restricted Foreign Investment Industries	Catalogue of Restricted Foreign Investment Industries	Restricted Industries	
XIII. Other industries restricted by the State or international treaties that China has concluded or taken part in	XIII. Other industries restricted by <b>state laws and regulations</b> or international treaties that China has concluded or taken part in		



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Catalogue of Prohibited Foreign Investment Industries	Catalogue of Prohibited Foreign Investment Industries	Prohibited Industries	
<b>I. Farming, Forestry, Animal Husbandry and Fishery Industries</b>	<b>I. Farming, Forestry, Animal Husbandry and Fishery Industries</b>		
1. Cultivation of China's rare precious breeds (including fine genes in plants industry, husbandry and aquatic products industry)	1. Cultivation of China's rare precious breeds (including fine genes in plants industry, husbandry and aquatic products industry)		
2. Research and development of transgenic organisms, production of transgenic crops, sire and poultry, and aquatic seeds	2. <b>Breeding of transgenic</b> crops, sire and poultry, aquatic seeds; Production of transgenic seeds		
3. Fishing in the sea area within the Government jurisdiction and in in-land water	3. Fishing in the sea area within the Government jurisdiction and in in-land water		
<b>II. Mining and Quarrying Industries</b>	<b>II. Mining and Quarrying Industries</b>		
1. Exploring and mining of tungsten, molybdenum, tin, antimony, fluorite	1. Exploring and mining of tungsten, molybdenum, tin, antimony, fluorite		
2. Exploring, mining and dressing of radioactive mineral products	2. Exploring, mining and dressing of radioactive mineral products		
3. Exploring, mining and dressing of rare earth metal	3. Exploring, mining and dressing of rare earth metal		
<b>III. Manufacturing Industry</b>	<b>III. Manufacturing Industry</b>		
<b>1. Beverage Industry</b>			
(1) Processing of green tea and special tea with China's traditional crafts (famous tea, dark tea, etc.)			
<b>2. Medical and Pharmaceutical Products Industry</b>	<b>1). Medical and Pharmaceutical Products Industry</b>		
(1) Processing of traditional Chinese medicines that have been listed as the Regulations on Conservation and Management of Wild Chinese Medicinal Material Resources and Rare and Endangered Plants in China	7. Processing of traditional Chinese medicines that have been listed as the Regulations on Conservation and Management of Wild Chinese Medicinal Material Resources and Rare and Endangered Plants in China		
(2) Application of preparing technique of traditional Chinese medicines in small pieces ready for decoction, like steam, frying, calcining, and production of the products of secret recipe of traditional Chinese patent medicines	8. Application of preparing technique of traditional Chinese medicines in small pieces ready for decoction, like steam, frying, <b>roast</b> , calcining, and production of the products of secret recipe of traditional Chinese patent medicines		
<b>3. Non-Ferrous Metal Smelting and Rolling Processing Industry</b>	<b>2) Petroleum Processing, Coking and Nuclear Fuel Processing Industries</b>		
(1) Smelting and processing of radioactive mineral products	9. Smelting and processing of radioactive mineral products, <b>production of nuclear fuels</b>		
<b>4. Special Equipment Manufacture Industry</b>	<b>3) Special Equipment Manufacture Industry</b>		
(1) Manufacture of Weapons and Ammunition	10. Manufacture of Weapons and Ammunition		
<b>5. Electric Machinery and Equipment Manufacture Industry</b>			
(1) Manufacture of open-lead-acid cells, mercury Button Type Silver Oxide Cells, paste dioxide-zinc battery and nickel cadmium cells			
<b>6. Industry Products and Other Manufacturing Industries</b>	<b>4) Other Manufacturing Industries</b>		
(1) Ivory carving	11. Ivory carving		
(2) Tiger-hone processing	12. Tiger-hone processing		
(3) Production of bodiless lacquerware			
(4) Production of enamel products			
(5) Production of Xuan-paper (rice paper) and ingot-shaped tablets of Chinese ink	13. Production of Xuan-paper (rice paper) and ingot-shaped tablets of Chinese ink		
(6) Production of carcinogenic, teratogenic, mutagenesis and persistent organic pollutant products			
<b>IV. Production and Supply of Power, Gas and Water</b>	<b>IV. Production and Supply of Power, Heating Power, Fuel Gas and Water</b>		
1. Construction and management of conventional coal-fired power of condensing steam plants whose unit installed capacity is less than 300,000kW, within the small power grid, and the coal-fired power of condensing-extraction steam plants with dual use unit cogeneration	14. <b>Within the scope of bulk power system</b> , construction and management of conventional coal-fired power of condensing steam plants whose unit installed capacity is less than <b>200,000kW</b> , within the small power grid, and the coal-fired power of condensing-extraction steam plants with dual use <b>unit cogeneration</b>		
<b>V. Communication and Transportation, Storage, Post and Telecommunication Services</b>	<b>V. Communication and Transportation, Storage, Post and Telecommunication Services</b>		
1. Companies of air traffic control	15. 空中交通管制		
2. Companies of postal services, domestic courier services	16. Companies of postal services, domestic courier services		
	<b>VI. Wholesale and Retail Industries</b>		
	17. Wholesale and retail of tobacco leaves, cigarettes, <b>redried tobacco leaves and other tobacco products</b>		

Catalogue for the Guidance of Foreign Investment Industries (2011)	Catalogue for the Guidance of Foreign Investment Industries (2014 Revised Draft)	Catalogue for the Guidance of Foreign Investment Industries (2015 Final)	Changes
Catalogue of Prohibited Foreign Investment Industries	Catalogue of Prohibited Foreign Investment Industries	Prohibited Industries	
<b>VI. Leasing and Commercial Service Industry</b>	<b>VII. Leasing and Commercial Service Industry</b>		
1. Social investigation	18. Social investigation		
	19. China legal affairs consultation services	19. China legal affairs consultation services (except providing information relevant to the impact on the Chinese laws environment)	include one exception
<b>VII. Scientific Research and technical Services Industries, Geological Prospecting</b>	<b>VIII. Scientific Research and Technical Services Industries</b>		
1. Development and application of human stem cells and gene diagnosis therapy technology	20. Development and application of human stem cells and gene diagnosis therapy technology		
2. Geodetic survey, marine charting, mapping aerial photography, charting of administrative regional boundaries and topography	21. Geodetic survey, marine charting, mapping aerial photography, charting of administrative regional boundaries, topography, world administrative mapping, national administrative mapping, provincial-level and below mapping, national educational mapping, regional educational mapping, true 3D map compilation, navigation e-map compilation; regional geological mapping, surveying of mineral geology, earth physics, earth chemistry, hydrogeology, environmental geology, geological hazards and remote sensing geology		
<b>VIII. Irrigation, environment and public utilities management</b>	<b>IX. Irrigation, environment and public utilities management</b>		
1. Construction and management of nature reserve and international signify marshy	22. Construction and management of nature reserve and international signify marshy		
2. Development of resources about wild animals and plants be native to domestic protected by nation	23. Development of resources about wild animals and plants be native to domestic protected by nation		
<b>IX. Education</b>	<b>X. Education</b>		
1. Institution of compulsory education and special education, like military, policeman, politics and party school	24. Institution of compulsory education and special education, like military, policeman, politics and party school		
<b>X. Art, Sports and Entertainment Industries</b>	<b>XI. Art, Sports and Entertainment Industries</b>		
1. News agencies	25. News agencies		
2. Business of publishing, producing, master issuing, and importing of books, newspaper and periodical	26. Business of publishing, producing, master issuing, and importing of books, newspaper and periodical		
3. Publishing and production of audio and visual products and electronic publications	27. Publishing and production of audio and visual products and electronic publications		
4. Radio stations, TV stations, radio and TV transmission networks at various levels (transmission stations, relaying stations, radio and TV satellites, satellite up-linking stations, satellite receiving stations, microwave stations, monitoring stations, cable broadcasting and TV transmission networks)	28. Radio stations, TV stations, radio and TV transmission networks at various levels (transmission stations, relaying stations, radio and TV satellites, satellite up-linking stations, satellite receiving stations, microwave stations, monitoring stations, cable broadcasting and TV transmission networks)		
5. Companies of publishing and playing of broadcast and TV programs	29. Companies of publishing and playing of broadcast and TV programs		
6. Companies of films making, issuing and theatre chains	30. Companies of films making and issuing	30. Companies of films making and issuing and cinema companies	Add cinema companies
7. News website, network audiovisual service, on line service location, internet art management (excluding music)	31. News website, network publishing service, network audiovisual service, on line service location, internet art management (excluding music)		
	32. Auction companies that engage in auctioning of cultural relics, cultural relic shops		
8. Construction and management of golf courses and villas	33. Construction of golf courses and villas		
9. Gambling industry (including gambling turf)			
10. Eroticism			
<b>XI. Other Industries</b>	<b>XII. Other Industries</b>		
1. Projects that endanger the safety and performance of military facilities	34. Projects that endanger the safety and performance of military facilities		
	35. Gambling industry (including gambling turf)		
	36. Eroticism		
<b>XII. Other industries restricted by the State or international treaties that China has concluded or taken part in</b>	<b>XIII. Other industries restricted by state laws and regulations or international treaties that China has concluded or taken part in</b>		