

Xinjiang poverty-stricken areas focus on encouraging the development of industrial enterprise income tax preferential catalogue

(1) Agriculture and Forestry (36 items)

1. Development and application of advanced technology for vegetable, melon & fruit and flower facility cultivation (Containing soilless cultivation), development and application of high-quality, high-yield and efficient standardized cultivation technology;
2. Development and application of standardized large-scale breeding technology for livestock and poultry;
3. Selection, breeding, conservation, development and utilization of excellent varieties of animals and plants (Containing wild); Biological breeding; Seed (seedling) production, processing, packaging, inspection, identification technology and storage, transportation equipment development and application;
4. Dry farming and water-saving agriculture, conservation tillage, ecological agriculture construction, quality construction of cultivated land, rapid fertilization of newly opened cultivated land, integrated water and fertilizer integration technology development and application;
5. Development and application of ecological species (breeding) technology;
6. Obtain the green food production materials mark of feed, feed additives, fertilizers, pesticides, veterinary drugs and other high-quality safe and environmentally friendly agricultural inputs and green food production allowed to use food additives development;
7. Development and application of agricultural biotechnology;
8. Cultivated land maintenance management and rapid measurement of soil, fertilizer and water technology development and application;
9. Development and application of new diagnostic reagents, vaccines and new processes and technologies of low toxicity and low residue veterinary drugs (including veterinary biological products) for animal diseases;
10. Development and application of hazardous elements monitoring technology for pollution-free agricultural products and their environment;

11. Organic waste harmless treatment and organic fertilizer industrialization technology development and application;
12. Development and application of pollution-free, green and organic production technologies for agriculture, animal husbandry and fishery products;
13. Storage, transportation, preservation, processing and comprehensive utilization of agricultural, forestry, animal husbandry and fishery products;
14. Production of new materials for sand fixation, water retention and soil modification;
15. Deep processing and product development of secondary fuelwood, psammous shrub and three residues;
16. Digital (information) agriculture, forestry and grass technology development and application;
17. Development and application of agricultural and rural environmental protection and treatment technology;
18. Energy-saving equipment for grain and oil drying, green grain storage biotechnology for farmers, mouse repellent technology, new grain storage silo for farmers (color steel plate combination silo, steel skeleton rectangular silo, steel mesh drying silo, hot dip galvanized steel plate silo, etc.) were promoted and applied;
19. Development and application of automatic monitoring technology for pest density of crops and trees;
20. "Internet + Agricultural Products" out of villages into cities Project;
21. Comprehensive utilization of crop straw (straw fertilizer utilization, straw feed utilization, straw energy utilization, straw base material utilization, straw raw material utilization, etc.);
22. Returning farmland to forest and grassland, returning grazing to grassland and vegetation restoration project of natural grassland, artificial planting and processing of high-quality and high-yield herbage;
23. Comprehensive soil erosion control project, prevent & control of desertification and rocky desertification, and prevention & control sandy project;

24. Cultivation of salt - and drought-tolerant plants
25. Flower base construction, product development and deep processing;
26. Cultivation (breeding) of authentic Chinese medicinal materials, high-quality, high-yield, endangered or scarce animal and plant medicinal materials, artificial cultivation and development of understory resources such as spices and wild flowers;
27. Technology development and application of wood, bamboo and grass (including straw) wood-based panels and their composites;
28. Livestock and poultry waste treatment and resource utilization (manure, energy, base and bedding utilization of livestock and poultry waste, harmless treatment of sick and dead livestock and poultry);
29. Development & utilization of wood and wood (bamboo) materials energy saving, material saving and environmental protection processing technology;
30. Factory production of cattle and sheep embryos (in vivo) and semen;
31. Healthy freshwater aquaculture and deep processing of products, and the proliferation and conservation of freshwater fishery resources;
32. Farmland construction and protection projects (including high-standard farmland construction, farmland water conservancy construction, high-efficiency water-saving irrigation, farmland consolidation, etc.), land comprehensive consolidation;
33. Development and application of weather modification technologies such as rain enhancement and hail suppression;
34. Protection, improvement and exploitation of wild economic forest species;
35. Ecological conservation and restoration project;
36. Shelter forest project;

(2) Water Conservancy (12 items)

1. Development and manufacture of geosynthetic materials and new materials for hydraulic engineering;
2. Popularization and application of efficient water distribution and water-saving irrigation technology;
3. Construction of water resources management information system;
4. Development and utilization of unconventional water sources;
5. Water source region protection Project (Division of water source region protection area, isolation and protection, soil and water conservation, water resource protection, water ecological environment restoration and related technology development and popularization);
6. Development and application of soil erosion monitoring and forecasting automation system;
7. Dangerous reservoir and sluice reinforcement project;
8. River dike construction and river and reservoir treatment project;
9. Urban and rural water source project;
10. Industrial water supply project;
11. Water ecosystem and groundwater protection and restoration project;
12. Construction of farmland water conservancy facilities (irrigation and drainage channels, culverts, pumping stations construction, etc.);

(3) Coal (6 items)

1. Coal bed methane exploration, development and utilization and coal mine gas extraction and utilization;
2. Construction of large coal storage and transportation centers, coal trading markets and environmental protection transformation of coal storage sites;
3. Development and application of coal preparation engineering technology

4. Development and application of coal mining method and technology to improve resource recovery rate;
5. Processing and comprehensive utilization of coal associated resources;
6. Development and application of high efficiency coal washing desulfurization technology;

(4) Electric Power (9 items)

1. Power grid transformation and construction, incremental distribution network construction;
2. Electric vehicle charging facilities;
3. Smart energy system (including construction, operation, etc.);
4. High efficient electric energy replacement technology and equipment;
5. Development and application of large-capacity electric energy storage technology;
6. Research and development and production of new electric heating materials;
7. Development, promotion and application of energy saving and environmental protection technologies for power transmission and transformation;
8. Developing and popularizing the technology of Collaborative Control of multiple pollution of coal-fired generating Units;
9. Production, operation and maintenance of complete sets of waste incineration power generation equipment;

(5) New Energy (8 items)

1. Development and application of solar thermal power collection system, solar photovoltaic power generation system integration technology, development and manufacturing of inverter control system;
2. Design and manufacture of integrated solar building components;
3. High efficiency solar water heater and hot water project, solar medium and

high temperature utilization technology development and equipment manufacturing;

4. Agricultural and forestry biomass resources collection, transportation, storage technology development and equipment manufacturing; Agriculture and forestry biomass molding fuel processing equipment, boiler and stove manufacturing;
5. Energy routing, energy trading and other energy Internet technology and equipment;
6. Development and application of complementary technology of traditional and new energy power generation;
7. Mobile new energy technology development and application;
8. Development and application of hydrogen, wind and photovoltaic power generation complementary system technology;

(6) Petroleum and Natural Gas (6 items)

1. Development and application of comprehensive utilization technology of oil-gas associated resources;
2. Development and utilization of oil and gas field enhanced oil recovery technology, safe production assurance technology, ecological environment restoration and pollution prevention engineering technology;
3. Development and application of natural gas distributed energy technology;
4. Development and application of volatile oil recovery technology in petroleum storage and transportation facilities;
5. Automatic monitoring equipment for oil and gas recovery;
6. Recovery and utilization of venting natural gas and device manufacturing;

(7) Iron & Steel (5 items)

1. Production technology of long-life, energy-saving and environment-friendly refractory materials for coke ovens, blast furnaces and hot blast furnaces; Production process of low carbon, no carbon refractory materials, thermal insulation materials and high efficiency continuous casting refractory materials;
2. Whole process quality control technology of Iron & Steel products;
3. Use Iron & Steel production equipment to deal with social waste (excluding hazardous waste);
4. Ultra-low emission technology in the Iron & Steel industry, as well as resource and reuse technology of by-products;
5. Development and application of recyclable process technology between Iron & Steel and related industries;

(8) Non-ferrous Metals (5 items)

1. Exploration and development of replacement resources of existing non-ferrous metal mines, deep development of scarce resources and difficult mining beds;
2. High efficiency, low consumption, low pollution, new smelting technology development;
3. High efficiency, energy saving, low pollution, large-scale recycling and comprehensive utilization of renewable resources.
 - 1) recovery and utilization of miscellaneous non-ferrous metals;
 - 2) comprehensive utilization of valuable elements;
 - 3) comprehensive utilization of red mud and other smelting waste residues;
 - 4) extraction of alumina from high-alumina coal ash;
 - 5) reduction, recycling and harmless utilization and disposal of tungsten smelting waste residues.
4. Quantification, recycling and harmless use disposal;
5. Continuous metal coils, vacuum coating materials and high-performance copper foil materials for new energy, semiconductor lighting and electronics;
6. Refining, processing, design and R&D of non-ferrous rare & precious metals;

(9) Gold (3 items)

1. Deep gold prospecting and mining (1000 meters and below);
2. Efficient and comprehensive utilization of valuable elements in gold smelting (Recovery rate of ore processing and smelting of difficult-to-process ore $\geq 75\%$; Recovery rate of low-grade ore beneficiation $\geq 65\%$ (excluding heap leaching); When gold and other minerals symbiosis, the comprehensive utilization rate $> 70\%$; When gold is associated with other minerals, the comprehensive utilization rate is $> 50\%$)
3. Recovery of gold from tailings and waste rock;

(10) Petrochemical Industry (6 items)

1. Development and production of new pesticide varieties, new dosage forms, special intermediates and auxiliaries with high efficiency, safety and environmental protection; production of chiral and three-dimensional structure pesticides with directional synthesis; development and production of new biopesticide products and technologies;
2. Production of high quality potash fertilizer and various special fertilizers, water-soluble fertilizer, liquid fertilizer, medium and trace element fertilizer, nitro fertilizer, slow and controlled release fertilizer, nitrogen fertilizer enterprise energy saving and emission reduction and raw material structure adjustment, comprehensive utilization of phosphogypsum technology development and application, 100,000 tons/year or more wet phosphoric acid purification production plant;
3. Development and application of new technologies for the production and intrinsic safety of dyes, organic pigments and their intermediates (including continuous sulfonation of fuming sulfuric acid, continuous nitrification, continuous acylation, continuous extraction, continuous hydroreduction, continuous diazo coupling and other continuous processes, catalysis, sulfur trioxide sulfonation, adiabatic nitrification, directed chlorination, combined synergism, solvent reaction, hydrogen peroxide oxidation, recycling and other technologies, as well as applicable technologies to replace phosgene and other highly toxic raw materials, membrane filtration and pulp drying technology)
4. The development and production of such as modified type, water-based type adhesives and new hot melt adhesives, environmental protection water absorption agent, water treatment agent, new efficient and environmentally

friendly catalysts and auxiliaries such as mercury fixation and mercury-free molecular sieve, nanomaterials, functional membrane materials, ultra-clean high purity reagents, photoresist, electronic gas, high performance liquid crystal materials and other new fine chemicals;

5. Waterborne wood, industrial and Marine coatings, high solid content, solvent-free, radiation-curable coatings, low VOCs content of environmental friendly, resource-saving coatings, for large aircraft, high-speed rail and other key fields of high-performance anti-corrosive coatings production; Single line production capacity of 30,000 tons/year and above titanium dioxide chloride production;
6. PBS/PBAT/PBSA polyester degradable plastics, diphenyl methane diisocyanate (MDI) polyurethane materials and raw materials, polyphenylene sulfide, high-performance membrane materials and other advanced petrochemical and chemical new material products development and production;

(11) Building materials (14 items)

1. A flushing water consumption of less than 6 liters (including) of toilet, squat toilet, water-saving domestic water appliances and water-saving control equipment, intelligent toilet, bathroom integrated system, to meet the requirements of the assembly of the overall bathroom products development and production;
2. The use of synthetic mineral fiber, aramid fibers as reinforcing materials of asbestos-free friction, sealing materials of new technology, new product development and production;
3. The use of mine tailings, construction waste, industrial waste, river, lake (canal) silt and agricultural and forestry residues and other secondary resources to produce building materials and the development of technology and equipment;
4. Suitable for prefabricated construction part of the building materials products; Low-cost phase change energy storage wall materials and wall components; Rock wool composite products/parts; Aerogel energy-saving material; Waterproof, grade flame retardant insulation materials products, advanced fire doors and Windows, high-performance plastic steel doors and Windows, insulation materials, insulation, decoration and other functions of integrated composite plate, Bridges and tunnels, underground pipe corridors with long life waterproof anti-corrosion flame retardant integrated materials, spraying

construction waterproof materials; Functional decoration materials and products, green aldehyde-free wood-based panels and other green building materials technology development and production application;

5. Inorganic artificial stone production, the use of non-toxic or low toxic resin resin based artificial stone production;
6. Development and application of production technology of ceramic centralized pulverization and clean coal to gas in Ceramic Park; Development and application of light foam ceramic partition board made from tailings and waste and thermal insulation board production line and process Equipment Technology;
7. Development of high quality IOL materials, products and devices for information, new energy, national defense, aerospace and other fields; High purity quartz raw materials (purity greater than or equal to 9999%), quartz glass materials for semiconductor, high-end quartz crucible for semiconductor, chemical vapor synthesis of quartz glass and other manufacturing technology development and production; Development and production of special glass manufacturing technology for aerospace and other fields; Production and application of high purity nano-sized spherical silicon powder and high purity industrial silicon as well as development and application of technical equipment;
8. Fine ceramic powder and ceramic substrate, precision forming ceramic balls and other components; Ceramic membrane, ceramic insulating parts, honeycomb ceramic; Ceramic fiber and its reinforced composites; Medical ceramic materials and components; Electronic ceramic materials; Ceramic ink material; Ceramic materials for consumer electronics; It is suitable for the development and production of additive ceramic materials and other industrial ceramic technology;
9. Development and application of ceramic plate production line and process equipment technology with a single area greater than 1.62 square meters (inclusive);
10. Development, production and application of high-performance plastic steel doors, Windows and hardware accessories;
11. Development and production of new wall and roof materials, insulation and sound insulation materials, building waterproof and sealing materials;
12. R&D and application of aeolian sand in the production and development of building materials;

13. Development and production of carbon fiber, graphene and other composite materials with polychlorine traditional materials;
14. Development and application of building materials product quality traceability system for project or equipment;

(12) Medicine (7 items)

1. Development and production of new drugs with independent intellectual property rights, natural medicine development and production, the first development and production of generic drugs to meet the needs of major and multiple diseases in our country, development and production of new drug dosage forms, new excipients, children's drugs and drugs in short supply, Development and application of membrane separation, supercritical extraction, new crystallization, chiral synthesis, enzymatic synthesis, continuous reaction, system control and other technologies in drug production, development and application of energy saving and consumption reduction technology for API production and New pharmaceutical preparation technology, production and technology research and development of drug intermediates;
2. Technology transfer, technology exchange, technical consultation and technical services in the field of cellular science and technology (stem cells, immune cells, tumor cells, etc.); Cell (stem cells, immune cells, tumor cells, etc.) clinical research and trial quality management, product marketing; Cell (stem cells, immune cells, tumor cells, etc.) preparation, storage, transportation; Total health management of human function;
3. Development and production of new pharmaceutical packaging materials and technologies (neutral borosilicate medicinal glass, functional materials with good chemical stability, degradability, light avoidance and high barrier, new packaging drug delivery systems and drug delivery devices such as aerosols, powder sprays, self-administration, prefilling, automatic mixing, etc.)
4. Development of artificial breeding technology for endangered and scarce medicinal plants and animals, application of advanced agricultural technology in standardized planting and breeding of Chinese medicinal materials, comprehensive utilization technology of Chinese medicinal materials, development and application of new technology for quality control of Chinese medicinal materials, technology and production process control of modern Chinese medicine dosage forms, inheritance and innovation of processing technology for Chinese medicine decoction pieces, development

and production of classic Chinese medicinal ingredients, R&d, production and comprehensive utilization of Chinese medicine drinks, R&D and production of innovative Chinese medicine, secondary development and production of proprietary Chinese medicine, development and production of ethnic medicine

5. New medical diagnostic equipment and reagents, digital medical imaging equipment, artificial intelligence assisted medical equipment, high-end radiotherapy equipment, endoscopes, surgical robots and other high-end surgical equipment, development and application of new implant and interventional equipment, materials and additive manufacturing technology such as stent and prosthesis, life support equipment for critical illness, mobile and remote diagnosis and treatment equipment, novel gene, protein and cell diagnostic equipment;
6. R&D and production of new products of veterinary antifungal drugs, deworming drugs, insecticides and anticoccidized drugs, Vaccines against major diseases, antibody drugs, gene therapy drugs, cell therapy drugs, recombinant protein drugs, nucleic acid drugs, development and application of "large-scale cell culture and purification technology, large-scale medicinal polypeptide and nucleic acid synthesis, antibody coupling, serum-free protein-free culture medium culture, fermentation, purification technology, use modern biotechnology to transform the traditional production process (production of antimicrobial apis for animals (including antibiotics and chemical synthesis)), development, production and application of new vaccines;
7. New medical and health products

(13)Machinery (36 items)

1. Machinery manufacturing of agriculture, forestry and fruit industry and animal husbandry;
2. Safe drinking water equipment: combined integrated water purifier (treatment capacity 100-2500 tons/hour);
3. Agricultural harvesters: self-propelled grain combine (feed capacity 6 kg/s or more); Self-propelled corn combine harvester (3 ~ 6 rows, ear picking type, with peeling device, and stalk crushing and returning device or stalk shredding and collecting device); Both ear and stem harvesting corn harvester (ear picking and skinning, stalk cutting and recycling), self-propelled corn grain combine harvester (more than 4 rows, straight grain

harvesting type); Self-propelled harvester for silage such as barley, alfalfa and corn (supporting power of more than 147 kW, length of stem shredding 10~60 mm, "with metal detection, stone detection safety device and grain crushing function"); Cotton picking machine (more than 3 rows, self-propelled or tractor backpack type, flower picking device is mechanical or pneumatic, suitable for cotton bead height of 35 ~ 160 cm, equipped with seed cotton container and automatic unloading device); Jujube harvesting machine; Potato harvester (self-propelled or tractor-drawn, more than 2 rows, row spacing adjustable, with soil removal device and collection device, maximum digging depth of 35 cm); Joint operation machine for residue film recovery and stalk crushing; Herbage harvester (self-propelled herbage harvester, hanging mowing and flattening machine, finger-plate herbage clincher, herbage picking and baling machine, etc.);

4. Water-saving irrigation equipment: various large and medium-sized irrigation machines, various types of micro-drip irrigation equipment, etc. Flood control and drainage equipment (displacement above 1500 cubic meters/hour, head 5~20 meters, power above 1500 kilowatts, efficiency above 60%, mobile)
5. Large construction machinery: More than 30 tons hydraulic excavator, 6 meters and above full section roadheader, 320 horsepower and above Crawler bulldozer, 6 tons and above Loader, 600 tons and above bridge erection equipment (including bridge erection machine, beam carriage, beam lifting machine), 400 tons and above Crawler crane, 100 tons and above Full ground crane, 25 tons and above Front lift for containers, 1000 tons/meters and above tower crane, drilling holes of more than 100 mm rock drilling trolleys, 1 meter width and above milling machine, 75 tons and above mining vehicle, 220 horsepower and above graders, 18 tons and above vibrating hydraulic roller, 9 meters and above pavers, 1 meter and above milling machine, 20 tons or above container forklift, 8 tons and above internal combustion forklift, 3 tons and above battery forklift, 40 meters and above concrete pump truck, 8 cubic meters and above concrete mixing truck, 90 cubic meters/hour and above concrete mixing station, 400 kilowatts and above concrete cold and heat regeneration equipment, 2000 mm and above rotary drilling rig, 400 Mm and above underground diaphragm wall excavation equipment; Key components: power shift transmission, wet drive axle, slewing support, hydraulic torque converter; Motor, electric control, hydraulic motor, pump and control valve with pressure of more than 25 MPa for electric forklift;
6. CNC machine tools and supporting CNC systems;
7. Digital multi-functional integrated office equipment (copying, printing, fax, scanning), digital camera, digital movie projector and other modern cultural

office equipment;

8. Bearings for EMU with a speed of more than 200 km/h, Axle load of 23 tons and above Bearing of heavy railway freight car, bearings for high-power electric/diesel locomotive, New urban rail transit bearings with service life of more than 2.4 million kilometers, Lightweight, low friction torque automotive bearings and units with service life of more than 250,000 km, High temperature (above 400°C) automobile turbine and mechanical supercharger bearings, P4, P2 grade CNC machine tool bearings, all kinds of precision bearings for 2 MW and above wind turbine, large construction machinery bearings such as shield machine with service life greater than 5000 hours, P5 grade, P4 grade high speed precision metallurgical rolling mill bearings, Aircraft engine bearings and other aviation bearings, medical CT machine bearings, deep well ultra-deep well oil drilling rig bearings, electric vehicle drive motor system high-speed bearings, industrial robot RV reducer harmonic reducer bearings, and the above bearing parts;
9. High strength, high plasticity ductile iron; High performance vermicular cast iron; High precision, high pressure, large flow hydraulic casting; Non-ferrous alloy casting process; High strength steel forgings; High temperature resistance, low temperature resistance, corrosion resistance, wear resistance and other high performance, lightweight new material castings, forgings; High precision, low stress machine tool castings and forgings; Key castings and forgings of automobile, energy equipment, rail transit equipment, aerospace and military equipment;
10. High voltage vacuum components and switching equipment, intelligent medium voltage switching components and complete equipment, the use of environmental protection medium voltage gas insulation switchgear, intelligent (communication) low voltage electrical appliances;
11. High performance non-asbestos sealing material (heat resistant temperature 500°C, tensile strength >20 mpa); High performance carbon graphite sealing material (heat resistant temperature 350°C, compressive strength >270 mpa); High performance non-pressure sintered silicon carbide material (bending strength >200 mpa, thermal conductivity >130 W/m · Kelvin (W/m*K));
12. Large die mold (bottom plate half-circumference length stamping die >2500 mm, bottom plate half-circumference length cavity die >1400 mm), precision die mold (stamping die precision ≤ 0.02 mm, cavity die precision ≤ 0.05 mm), multi-station automatic deep drawing die, multi-station automatic fine stamping die;

13. Intelligent logistics and storage equipment, information system, intelligent material handling equipment, intelligent port loading and unloading equipment, Intelligent logistics equipment for agricultural products, etc.;
14. Solid waste prevention and control technology equipment: domestic waste clean incineration technology equipment (less than 20% of the coal); Centralized harmless treatment technology and equipment of kitchen waste (utilization rate of more than 95%); Landfill leachate and odor treatment technology and equipment (processing capacity of more than 50 tons/day); Domestic waste automatic sorting technology and equipment (sorting rate of more than 80%); Construction waste treatment and recycling process technical equipment (processing capacity of more than 100 tons per hour); Industrial hazardous waste disposal and treatment technology and equipment (treatment rate of more than 90%); Oilfield drilling waste treatment and disposal technology and complete equipment (capacity reduction of more than 50%, treatment rate of more than 70%); Medical waste clean incineration, high temperature cooking harmless treatment technology and equipment (processing capacity of more than 150 kg/hour, combustion efficiency of more than 70%) and medical waste microwave, chemical disinfection treatment technology and equipment;
15. Soil remediation technology and equipment: crushing and screening machine, odor suppression equipment, direct thermal desorption equipment, indirect thermal desorption equipment, soil leaching equipment, soil improvement machine, direct push drilling and sampling equipment;
16. Heat pump (ground source, water source, air source, etc.) technology development and equipment manufacturing;
17. Development and production of power electronic transformer technology, the core equipment of intelligent distribution network;
18. Decentralized controller (DCS), field bus control system (FCS), new energy power generation control system for large generating units, large petrochemical plants, large metallurgical complete sets of equipment, etc;
19. Urban intelligent visual monitoring, video analysis, video-assisted criminal reconnaissance technology equipment
20. Mine disaster (gas, coal dust, mine water, fire, surrounding rock noise, vibration, etc.) monitoring instruments and safety alarm system;
21. Cable, complete electrical control system, explosion-proof electrical equipment;

22. Key components of 500 kV (kV) and above ultra high voltage and ultra high voltage AC/DC transmission equipment: Transformers (outlet devices, bushing, pressure regulating switches), switchgear (arc extinguishing devices, hydraulic operating mechanisms, large basin insulators), High strength post insulators and hollow insulators, suspended composite insulators, insulation molding parts, Ultra high voltage arrester, DC arresters, electrically and optically controlled thyristors, converter valves (flat wave reactors, water cooling equipment), control and protection equipment, Complete DC field equipment, etc
23. Key components such as control systems and converters for wind power equipment above 2.0 MW; All kinds of crystalline silicon and thin film solar photovoltaic cell production equipment;
24. Casting resin sand, clay sand, etc. dry (hot) recycling technology application; Environmental protection resin, inorganic binder molding and the application of core technology;
25. Large wind power seals (service life of more than 7 years, working temperature $-45^{\circ}\text{C}\sim 100^{\circ}\text{C}$); Mechanical seal of main pump of nuclear power station (applicable pressure >17 mpa, working temperature $26.7^{\circ}\text{C}\sim 73.9^{\circ}\text{C}$); Shield machine main bearing seal (service life 5000 hours); Car powertrain system and transmission system rotary seal; Oil drilling and logging equipment seal (applicable pressure >105 mpa); Hydraulic support seals; High PV value rotary sealing; Large diameter (≥ 2 m) mechanical seal; Aerospace seals (operating temperature $-54^{\circ}\text{C}\sim 275^{\circ}\text{C}$, linear speed ≥ 150 m/s); High pressure hydraulic element seals (applicable pressure >31.5 mpa); High precision hydraulic castings (flow size accuracy $\leq 0.25\text{mm}$, fatigue performance test >2 million times);
26. Alloy steel, stainless steel, weathering steel high strength fasteners, titanium alloy, aluminum alloy fasteners and precision fasteners; Spring for aviation, aerospace, high-speed rail, engine, etc.; High precision transmission coupling, coupling shaft of large rolling mill; New P/M parts: High density (>7.0 g/cc), high precision, complex shape structural parts; High-speed train, aircraft friction device; Oil bearing; Gearbox for EMU, Gearboxes for wind power over 2.0 MW and gearboxes for metallurgical and mining machinery; Automotive powertrain, construction machinery, large agricultural machinery chain; Major equipment and key projects supporting basic parts;
27. 27.12000 meters and above deep well drilling rig, polar drilling rig, high displacement deep well desert drilling rig, marsh difficult to access area

drilling rig, truck loading rig, special drilling process drilling rig and other complete sets of drilling equipment;

28. Equipment for the centralized treatment of hazardous waste (including medical waste);
29. Large efficient two-plate injection molding machine (mold closing force of more than 1000 tons), All-electric plastic injection molding machine (injection volume less than 1000 grams), Energy-saving plastic rubber injection molding machine (energy consumption below 0.4 KWH/kg), High speed energy-saving plastic extrusion unit (production capacity: 30 ~ 3000 kg/h, energy consumption less than 0.35 KWH/kg), Microporous foaming plastic injection molding machine (clamping force: 60-1000 tons, injection volume: 30-5000 grams, energy consumption below 0.4 KWH/kg), Large twin screw extrusion granulation unit (production capacity: 300,000 ~ 600,000 tons/year), Large para aramid reactive extrusion unit (production capacity of 14,000 tons/year or more), Carbon fiber prepreg glue unit (production capacity of more than 600,000 meters/year; Width above 1.2 meters);
30. Manufacture of small snow clearing equipment;
31. Air pollution control equipment: Complete sets of ultra-low emission technical equipment such as desulfurization, denitrification and dust removal for coal-fired generating units; Steel furnace flue gas fine particulate matter pre-charged bag-type dust removal technology equipment; Coke oven flue gas SDA desulfurization +SCR denitrification technology equipment; Electrolytic aluminum flue gas alumina defluorination dust removal technology equipment; Complete set of equipment for dry desulfurization and dust removal of steel sintering flue gas; Bag type dust collector; Technical equipment of electric bag compound dust removal (particulate matter emission concentration <10 mg/m³); Catalytic cracking recycled flue gas dust removal and desulphurization technology equipment; VOCs adsorption recovery device; VOCs incineration device; Unorganized emission control technology and equipment for furnaces and yards; Fume purification equipment for catering industry;
32. Sewage control technical equipment: Complete set of equipment for urban sewage treatment (phosphorus and nitrogen removal); Technical equipment for sludge hydrolysis and anaerobic digestion; Technical equipment for sludge drying and incineration (more than 90% slag reduction); Submerged membrane bioreactor (COD removal rate above 90%); Ceramic vacuum filter (vacuum degree: 0.09~0.098 mpa, pore: 0.2 ~20 micron); Ultrasonic coupling method and biofilm method to treat high-concentration organic

wastewater technical equipment; Oily sewage and chemical tank washing water treatment technology and equipment;

33. Scaling jumbo, Patio drill drilling, Multi-function crushing and plugging machine, Dual system brake hydrostatic four-wheel drive multifunctional service vehicle for underground mining, Three-in-one portable gas detector for mining, Downhole curtain grouting near ore body technology, Remote control of underground electric locomotive technology, Paste and high concentration tailings filling technology and equipment;
34. Noise and vibration pollution control equipment: sound barriers, mufflers, damping spring isolators;
35. Additive manufacturing equipment and specialized materials;
36. High purity pig iron for casting, super high purity pig iron for casting technology and equipment;

(14) Automobile (3 items)

1. Key auto parts;
2. Complete vehicle manufacturing and special purpose vehicle manufacturing;
3. On-board charger (efficiency >95% under full load output condition), two-way on-board charger, non-on-board charging equipment (output voltage 250V~950V, efficiency $\geq 88\%$ within voltage range); High power density, high conversion efficiency, high applicability wireless charging, mobile charging technology and equipment, fast charging and power changing facilities;

(15) Aerospace (3 items)

1. Uav overall, material, communication, control system, etc." development and manufacturing;
2. Aircraft ground repair, maintenance, testing equipment development and manufacturing;
3. Aviation training, operations and support services;

(16) Light industry (25 items)

1. Adopt clean production technology, non-wood fiber as raw materials, a single pulp production line of 100,000 tons/year or more; Development and application of Elemental Chlorine Free (ECF) and Total Chlorine Free (TCF) chemical pulp bleaching process; White board paper, box board paper and corrugated paper production line with a width of 3.2 meters or above and an annual production scale of 80,000 tons or above;
2. Development, production and application of biodegradable plastics and their series products, Agricultural PLASTIC water-saving equipment and long life (three years or more) functional agricultural film development, production
3. New plastic building materials (high airtight energy-saving plastic Windows, large diameter drainage and sewage pipes, impact resistant modified PVC pipes, polyethylene pipes for ground source heat pump systems, trenchless plastic pipes, composite plastic pipes, plastic inspection Wells); Impermeable geomembrane; Plastic wood composite materials and molecular weight >2 million ultra-high molecular weight polyethylene pipe and sheet production;
4. Manufacture of special supplies for ethnic minorities; With local characteristics of arts and crafts product research and development design and manufacturing;
5. Cleaner production of tanning and fur processing, Leather finishing new technology development and key equipment manufacturing, comprehensive utilization of solid waste of chromium-containing leather; Recycling of waste liquid from leather and fur processing, comprehensive utilization of trivalent chromium sludge; Development, production and application of ash-free expansion (aid) agent, ammonia deashing (aid) agent, salt-free acid leaching (aid) agent, high absorption chrome tanning (aid) agent, natural vegetable tanning agent, waterborne finishing (aid) agent functional chemical products for high-grade leather;
6. In line with the national level 1 energy efficiency or level 2 energy efficiency of household appliances development and production; Small household appliance product assembly and parts development and production;
7. Development and production of multi-effect, energy-saving, water-saving and environment-friendly surfactants, auxiliaries and detergents;
8. Design and application of energy-saving and environment-friendly glass kiln

(including full electric melting, electric melting, total oxygen combustion technology, NO_x concentration $\leq 1200\text{mg/m}^2$ low nitrogen combustion technology); DCS energy-saving automatic control technology for glass melting kiln

9. Domestic ceramics (except restricted and eliminated items in the “Guidance Catalogue for Industrial Structure Adjustment (2019 edition)”)
10. Development and production of new technologies for natural food additives and natural flavors;
11. Berry juice, cereal beverage, herbal beverage, tea concentrate, tea powder, plant protein drink, etc., development and production of high value-added plant beverages and construction of raw material base; Comprehensive development and utilization of fruit pomace, tea pomace, etc.
12. Development and production of nutritious and healthy rice, wheat flour (food special rice, germinated brown rice, embryo rice, food special flour, whole wheat flour and nutrient-fortified products, etc.) and their products; Industrial production of traditional staple food; Development and production of special equipment for multigrain processing; Development and application of key technologies for comprehensive utilization of grain and oil processing by-products (rice husk, rice bran, germ, meal, etc.)
13. Rapeseed oil production line: Adopt the technology of expansion, negative pressure evaporation, self-balanced utilization of heat energy, low-consumption steam vacuum system, etc., to process 200 tons or more of rapeseed per day, and consume less than 2 kg of solvent per ton of material; Cottonseed oil production line: The cottonseed production area treats 300 tons of cottonseed or above per day, and the solvent consumption of tons of material is less than 2 kg; Corn germ oil production line; Processing lines for woody oils such as walnuts and small varieties such as sunflower seeds, safflower seeds, flax and sesame, as well as vegetable oil production by supercritical carbon dioxide extraction technology;
14. Using fermentation process to produce small varieties of amino acids (except lysine, glutamic acid and threonine), using molasses as raw material with an annual output of 8000 tons or more of yeast products and yeast derived products, Development, production and application of new enzyme preparations and compound enzyme preparations, polysugar alcohols and biological chemical polyalcohols, functional fermentation products, etc. (functional sugars, functional monascus, fermentation antioxidant and complex functional ingredients, active peptides, microecological preparations). Enzyme production technology development and

industrialization, standardized production;

15. Comprehensive utilization and harmless treatment of byproducts such as bone, blood, feathers and viscera of livestock and poultry;
16. Production and manufacturing of wine and fruit wine (excluding restricted and eliminated items in the “Guidance Catalogue of Industrial Structure Adjustment (2019 edition)”)
17. Potato modified starch, Production and comprehensive utilization of processing extracts of potato and corn (oxytetracycline, citric acid, amino acids, yeast, etc.) (except restricted and eliminated items in the “Guidance Catalogue of Industrial Structure Adjustment (2019 Edition)”);
18. Processing and producing dairy products with a daily raw milk processing capacity of more than 300 tons; Dairy product processing and production with local characteristics;
19. Metal packaging containers, daily metal tools, daily metal products, building and furniture metal accessories, building decoration and plumbing pipe parts, building safety and fire metal products production;
20. Research and development, design, production and processing of furniture, toys, shoes, hats and wigs;
21. R&d, processing and production of instant food, convenience food, snack food and canned food;
22. Sports equipment production;
23. R&d and manufacturing of sports goods and related products;
24. Chilled meat, cut meat, frozen meat products and by-products;
25. Research and development, processing and production of condiments, fermented products, soy products and dehydrated and pickled vegetables;

(17) Textile (13 items)

1. Differential, functional polyester (PET) continuous copolymerization modification [Cationic Dyeable Polyester (CDP, ECDP), Alkali Soluble Polyester (COPET), High Shrinkage Polyester (HSPET), Flame Retardant Polyester, low melting point polyester, Amorphous Polyester, Biodegradable

polyester, polyester produced by green catalyst, etc.]. Efficient and flexible preparation technology of flame retardant, anti-static, anti-UV, antibacterial, phase change energy storage, photochromic, stock solution coloring and other differentiated and functional chemical fibers. Intelligent, super simulation and other functional chemical fiber production. The original development of high speed spinning processing green and efficient environmental protection agent;

2. The development, production and application of new polyesters and fibers such as Polytrimethylene Terephthalate (PTT), Polyethylene Naphthalate (PEN), Polybutylene Terephthalate (PBT), Polybutyl Succinate (PBS), Polycyclohexane dimethyl Terephthalate (PCT), Biobased polyamide, biobased furan ring, etc.;
3. Using green, environmental protection technology and equipment to produce new solvent cellulose fiber (Lyocel), bacterial cellulose fiber, bamboo, hemp and other new renewable resources as raw materials of recycled cellulose fiber, Polylactic Acid fiber (PLA), seaweed fiber, chitosan fiber, Polyhydroxyfatty Acid ester fiber (PHA), animal and plant protein fiber;
4. Development, production and application of high performance fibers and products. [Carbon fiber (CF)(tensile strength >4200MPa, elastic modulus >230GPa), Aramid fiber (AF), Polysulfonamide (PSA), Ultra High Molecular Weight Polyethylene fiber (UHMWPE)(spinning production plant single line capacity >300 tons/year, breaking strength >40cN/dtex, Initial modulus \geq 1800cN/dtex), Polyphenylene Sulfide fiber (PPS), Polyimide fiber (PI), Polytetrafluoroethylene Fiber (PTFE), Polyp-phenyl benzodiazole fiber (PBO), Polyaromadiazole fiber (POD), Basalt fiber (BF), Silicon Carbide fiber (SiCF), Polyether Ether Ketone fiber (PEEK), High strength glass fiber (HT-AR), etc.];
5. Processing technology and products of natural fibers such as special animal fibers, hemp fibers, colored cotton and colored mulberry cocoon silk, etc., that meet the requirements of environmental protection;
6. Establish an intelligent spinning factory, adopt intelligent and continuous spinning complete sets of equipment (Blowing-carding unit, thick-and-fine unit, fine-combination unit, CNC stand-alone machine, air-jet vortex spinning, high-speed rotor spinning and other short-process advanced spinning equipment) to produce high-quality yarn. It adopts new CNC equipment such as high-speed CNC shuttleless loom, automatic warping machine, fully formed computerized flat knitting machine, high-speed computerized flat knitting machine, high-speed warp knitting machine, etc., to produce high-count, high-density, jacquard and other high-end woven and

knitted textiles;

7. It adopts digital intelligent printing and dyeing technology equipment, dyeing and finishing clean production technology (enzyme treatment, high efficient short process pretreatment, knitted fabric continuous open width pretreatment, low temperature pretreatment and dyeing, low salt or no salt dyeing, low urea printing, small bath ratio airflow or gas-liquid dyeing, digital inkjet printing, foam finishing, etc.), functional finishing technology, new dyeing processing technology, composite fabric processing Technology, to produce high-grade textile fabrics; Development and application of intelligent bobbin dyeing technology and equipment;
8. It adopts nonwovens, machine weaving, knitting, weaving and other processes and new technologies such as multi-process compounding and long-term finishing to produce functional industrial textiles;
9. Development and manufacturing of intelligent, high efficiency, low energy consumption textile machinery and key special basic parts, measuring, testing instruments and test equipment;
10. Production of high-grade carpet, yarn drawing and embroidery products; Clothing R&D, design, production and processing; Household textiles, bedding, towel products, clothing products, socks products, high-quality cotton yarn, cotton and cotton textiles; Camel wool, cashmere, linen, apocynum venetum and other specialty textiles (except restricted and eliminated items in the "Guidance Catalogue of Industrial Structure Adjustment (2019 edition)")
11. Development and application of digital, networked and intelligent clothing production technology and equipment;
12. Promotion and application of textile industry biological degumming, no polyvinyl alcohol (PVA) pulp sizing, less water and no water energy saving printing and dyeing processing, effective management of "three wastes" and resource recycling technology;
13. R&D and application of waste textile recycling technology and equipment, using polyester recycled materials to produce polyester industrial yarn, differentiated and functional polyester filament, non-woven materials and other high value-added products;

(18)Construction (11 items found)

1. R&D and promotion of Building Seismic Isolation and Damping Structural System of Building;
2. R&D on manufacturing and integration technology of intelligent building products and equipment;
3. Application of high-strength and high-performance structural materials and systems
4. R&d and promotion of advanced and applicable complete sets of building technologies, products and residential components;
5. R&d and promotion of steel structure housing integrated system and technology;
6. R&D and promotion of energy-saving building, green building and prefabricated building technology and products;
7. Promotion of factory complete decoration technology;
8. Development and application of mobile emergency domestic water supply system;
9. Development and application of building information modeling (BIM) related technologies;
10. R&D and engineering application of seismic reinforcement technology for existing buildings;
11. R&D and promotion of prefabricated steel structure green building technology system;

(19)Urban infrastructure (24 items)

1. Urban high-precision navigation, high-precision remote sensing image and 3D data production and key technology development;
2. Urban Stereoscopic Management Information System Relying on Basic Geographical Information Resources;
3. Construction of urban road and intelligent transportation system;

4. Technology development and equipment manufacturing of urban traffic control system;
5. Urban water supply and drainage pipe network engineering, pipe network investigation, detection, repair and transformation engineering, trenchless construction and repair technology, water supply pipe leakage detection equipment, related technology development and equipment production;
6. Urban natural gas supply and gas engineering;
7. Urban central heating construction and renovation projects;
8. Urban rainwater collection and utilization project;
9. Renovation of existing parking facilities; construction of intensive parking facilities such as parking buildings, underground parking lots, and mechanical three-dimensional parking garages; parking lots equipped with electric vehicle charging facilities;
10. Application of information technology in urban construction management;
11. Application of key technologies in urban ecosystem;
12. Urban water-saving technology development and application;
13. Development and application of intelligent and green lighting products and system technology in urban lighting;
14. Reclaimed water utilization technology and engineering;
15. Urban water supply, drainage, gas plastic pipeline application project;
16. Construction of urban emergency and reserve water sources;
17. Development and application of urban waterlogging monitoring and early warning technology, urban drainage and waterlogging prevention project;
18. Development and application of key technology products in sponge city construction;
19. Rapid purification equipment and disperse purification facilities for overflow pollution control and initial rainwater;

20. Urban Information Model (CIM) related technology development and application based on big data, Internet of Things, GIS, etc;
21. Urban public transport construction;
22. Urban safe drinking water project, water source and water purification plant project;
23. Construction of common trenches of urban underground pipelines, geographic information system of underground pipe network;
24. Sewage treatment works;

(20) Railway (7 Items)

1. Reconstruction and expansion of existing railways and construction of special railway lines;
2. Development and construction of railway transport information system;
3. Large-scale road maintenance machinery, railway construction machinery and equipment, line bridge and tunnel detection equipment;
4. Concrete structure repair and durability improvement technology, material development;
5. Railway passenger train toilet and sewage ground receiving and treatment project;
6. Technical development and construction of passenger dedicated lines and high-speed railway systems;
7. Trunk railway construction;

(21) Highway and Road Transport (18 items)

1. Mixed passenger and freight car station, City bus station;
2. Development and construction of highway intelligent transportation, rapid passenger and cargo transportation and highway sling transportation system;
3. Development and construction of highway management service and

emergency support system;

4. Highway container and van transport;
5. Application of construction and maintenance technology of extra-large span Bridges;
6. Development and construction of passenger and cargo transport network in rural areas;
7. Rapid intercity system development and construction;
8. Development and application of expressway rapid construction and maintenance technology and materials;
9. Development and application of operating vehicle safety monitoring and recording system;
10. Development and application of equipment and technology for traffic safety and public security control on main highways;
11. Development and application of related technologies of highway toll collection system without stopping;
12. Development and production of new materials for highway engineering;
13. Application of long tunnel construction and maintenance technology;
14. Development and construction of taxi service scheduling information system;
15. Development of low noise pavement technology;
16. Upgrading of national and provincial trunk lines;
17. Rural road construction;
18. City buses;

(22) Air Transport (7 items)

1. Construction and operation of airport and supporting facilities;
2. Public air transport;
3. General Aviation;
4. Construction of air traffic control and communication navigation monitoring system;
5. Aviation computer management and network system development and construction;
6. Aviation fuel refueling service and facility construction;
7. Construction of emergency landing ground for small aircraft;

(23) Comprehensive transportation (8 items)

1. Construction of convenient transfer and transportation system of comprehensive transportation hub;
2. Construction and application of integrated transportation hub operation management information system;
3. Construction of induction system of comprehensive transportation hub;
4. Construction of integrated service facilities for comprehensive transportation hubs;
5. Integrated transportation hub disaster prevention and relief and emergency evacuation system;
6. Construction of convenient freight reloading system in comprehensive transportation hub;
7. R&D, promotion and application of passenger connecting transport facilities and equipment, ticket integration and combined transport products;
8. Construction of multimodal transport facilities;

(24) Information Industry (24 items) (Must be in local production, R&D)

1. Software development and production (including research, promotion and application of national language informatization standards), digital system (software) development and application;
2. E-commerce and e-government system development and application services;
3. Digital music, mobile media, animation games, etc. digital content product development system;
4. Development and application of anti-counterfeiting technology;
5. Construction of satellite digital television broadcasting system;
6. Develop and manufacture network security products, data security products and special equipment for network supervision;
7. Broadband network, wireless LAN technology development, equipment manufacturing;
8. Internet of Things and next generation Internet technology product development and construction and application platform construction and services;
9. Emergency communication, rural communication, industrial and information communication facilities construction, equipment manufacturing and network transformation, business operation;
10. Construction of value-added telecom service platform;
11. Big data, cloud computing, information technology services and blockchain information services permitted by the state;
12. Manufacturing and construction of satellite communication systems and earth station equipment;
13. Internet of Things (sensor network) and other new business network equipment manufacturing and construction;
14. Copy production of Cd-roms and recordable CD-roms;
15. Manufacturing of new electronic components (chip components, frequency

components, power electronic devices, optoelectronic devices, sensitive components and sensors, new electromechanical components, high density printed circuit boards and flexible circuit boards, etc.), Optoelectronic devices, new electronic components (chip components, power electronic devices, optoelectronic devices, sensitive components and sensors, new electromechanical components, high frequency and microwave printed circuit boards, high speed communication circuit boards, flexible circuit boards, high performance copper clad plates, etc.) and other electronic products materials;

16. Digital multifunctional telephone manufacturing;
17. Medical electronics, health electronics, biological electronics, automotive electronics, power electronics, financial electronics, aerospace instrument electronics, sensor electronics and other products manufacturing;
18. Assembly and processing of electronic products (digital 3C products) and their parts;
19. Telecommunication universal service;
20. Construction of digital cellular mobile communication network;
21. Construction of communication support network, such as network management monitoring, clock synchronization and billing;
22. IP service network construction;
23. Digital mobile communication, mobile AD hoc networking, access network system, digital trunking communication system and router, gateway and other network equipment manufacturing;
24. Data mining, data analysis, data services, digital resource development and services

(25) Modern Logistics (9 Items)

1. Construction of modern logistics facilities for important materials such as grain, fertilizer and petroleum;
2. Agricultural products logistics and distribution facilities construction, agricultural products, food, medicine cold chain logistics, food, medicine logistics quality and safety control technical services;
3. Innovation and application of modern supply chain;
4. Multi-modal transport integrated logistics hub construction, multi-modal transport rapid transfer and replacement equipment, standardized carrier unit research and development and application;
5. Internet of Things technology, big data technology, cloud computing technology, artificial intelligence technology, automatic identification and identification technology, electronic data exchange technology, visualization technology, cargo tracking and rapid sorting technology, mobile logistics information service technology, global positioning system, geographic information system, road traffic information and communication system, intelligent transportation system, intelligent packaging warehousing and distribution, logistics information system security technology and three-dimensional warehouse technology research and development and application;
6. Logistics public information platform development and construction, modern logistics technology and logistics public service system development, application and operation;
7. Logistics center construction and operation of airport and land port, railway yard, railway special line, customs special supervision area, industrial gathering area, business distribution center, cross-border e-commerce base;
8. Construction and operation of emergency logistics, reverse logistics and green logistics facilities;
9. Construction of public warehousing, vehicle parking, loading and unloading, charging and other supporting facilities required by urban logistics;

(26) Financial Services (4 items)

1. Construction of rural financial service system;
2. Agricultural insurance, liability insurance and credit insurance;
3. Construction of RMB cross-border settlement and clearing system;
4. Construction of credit guarantee service system;

(27) Science and Technology Service Industry (17 items) (More than 10 local employees should be employed, and more than 50% of the business should be conducted locally)

1. Industrial design, meteorology, biology, new materials, new energy, energy saving, water saving, environmental protection, surveying and mapping and other professional scientific and technological services, standardized services, measurement testing, quality certification and inspection and testing services, science and technology popularization;
2. Digital content services such as digital music, mobile media and online publishing, and information resource development services in areas such as geography and international trade;
3. Information technology outsourcing, business process outsourcing, knowledge process outsourcing and other technology advanced services; Intelligent manufacturing system integration application experience verification service;
4. Intellectual property agency, transfer, registration, appraisal, retrieval, analysis, evaluation, operation, certification, consultation and related investment and financing services;
5. Scientific and technological information exchange, literature information retrieval, technical consultation, technology incubation, evaluation of scientific and technological achievements, transfer and transformation services of scientific and technological achievements, and scientific and technological authentication services;
6. Construction of National Engineering (Technology) Research Center, National Engineering Laboratory, National Agricultural High-tech Industry Demonstration Zone, National Agricultural Science and Technology Park, State-recognized Enterprise Technology Center, National Laboratory, State

Key Laboratory, High-tech Entrepreneurship Service Center, Green Technology Innovation Base Platform, New Product Development and Design Center, Scientific Research Pilot Base and Experiment Base;

7. Online data and transaction processing, mobile Internet services, Internet conferencing, video and image telecommunications value-added services;
8. Industry (Enterprise) management and information solution development, web-based software service platform, software development and testing services, information system integration, consulting, operation and maintenance, data mining and other services;
9. Analysis, experiment, test and related technical consulting and R&D services, intelligent product overall scheme, ergonomic design, system simulation and other design services;
10. Online data processing and data security services, data recovery and disaster recovery services, information security protection, network security emergency support services, cloud computing security services, big data security services, information security risk assessment, certification and consulting services, information equipment and software security evaluation services, cryptographic technology product testing and certification services, information system level protection security scheme design services;
11. Industrial services: Maintenance and repair of modern high-end equipment, transformation and integration of digital production lines, industrial service network platform, industrial e-commerce, intelligent equipment remote operation and maintenance management system, intelligent factory equipment monitoring and diagnosis platform, predictive maintenance system, professional maintenance services and supply chain services, industrial management services (including equipment operation and maintenance management consulting, equipment operation and management services, engineering Industry apps and device management software (SaaS), data and digital services (PaS, IaaS, data analytics services and other innovative data services);
12. Network security integration, security maintenance, security operation, risk assessment, education and training, consultation, emergency response and other security services;
13. Electronic authentication technology R&D and service;
14. Emerging software and new information technology services, emerging software development, network and information security software

development, Internet security services and new information technology services;

15. R&d and application of emerging science and technology such as gene sequencing, stem cells, functional proteins, life and health;
16. New material R&D and design services, quality control technical services, science and technology promotion and application services;
17. Operation and service of SME entrepreneurship and innovation demonstration (Incubation) base and mass innovation space;

(28) Business Services (9 items) (More than 10 local employees should be employed, and more than 50% of the business should be conducted locally)

1. Consulting and services for economy, management, information, accounting, tax, audit, law, energy conservation, environmental protection, customs affairs, etc.;
2. Engineering consulting services (including planning consulting, project consulting, evaluation consulting and whole-process engineering consulting);
3. Construction of credit service system such as credit investigation and rating;
4. Asset evaluation, calibration, testing, inspection and other services;
5. Property rights transaction service platform;
6. Advertising creativity, planning, design, production, agency, release and other advertising services;
7. Exhibition services (excluding exhibition venue construction);
8. Supply chain management services (referring to the design, planning, control and optimization of logistics, business flow, information flow and capital flow in the supply chain based on modern information technology, integrating single and decentralized order management, purchase execution, customs clearance and tax refund, logistics management, data management, trade commerce, settlement, etc.);
9. Service outsourcing and calling industry;

(29) Commercial and Trade Services (4 items) (More than 10 local employees should be employed, and more than 50% of the business should be conducted locally)

1. Construction of modern market circulation facilities for agricultural products and means of production;
2. Unified distribution and distribution network construction of commercial and trade enterprises;
3. Use information technology to transform and upgrade traditional commodity trading markets;
4. Operation of clothing, shoes and hats, building materials, hardware, mechanical equipment, electronic products, ethnic products, etc.;

(30) Tourism (3 items)

1. Tourism commodities, tourism souvenirs, tourism equipment, as well as leisure, mountaineering, skiing, diving, exploration and other types of outdoor activity supplies development and marketing services;
2. Cultural tourism, health tourism, rural tourism, ecological tourism, cross-border tourism, forest tourism, grassland tourism, industrial tourism, sports tourism, red tourism, ethnic tourism, self-driving tourism, ice and snow tourism, border tourism and other tourism resources comprehensive development, infrastructure construction and information services;
3. Protection, development and operation of tourist attractions (sites) and construction of supporting facilities;

(31) Postal Services (5 items)

1. Mail processing automation engineering;
2. Construction of express handling facilities such as express sorting centers, transfer centers, distribution centers and processing hubs in cities, regions and between regions;
3. Development and application of express information systems such as express tracking query, automatic sorting, transportation and dispatch, express customer service call center, etc.;

4. Research and application of express technology and equipment such as data acquisition, container collection, intelligent terminal, intelligent storage, automatic sorting, mechanized handling, cold chain express, AGV, unmanned aerial vehicle, unmanned vehicle and green packaging;
5. Development and application of technologies such as mail express transportation and transportation network integration, multimodal transportation and operation platform, etc.;

(32) Education, culture, health, sports and other services (39 items)(More than 10 local employees should be employed, and more than 50% of the business should be conducted locally)

1. Special education;
2. Vocational education;
3. Internet + education, distance education;
4. Public culture, culture and art, press and publication, network audio-visual, protection and utilization of cultural heritage and facility construction;
5. Socialization, specialized rehabilitation and nursing services for persons with disabilities;
6. Press and publication content supervision technology, copyright protection technology, publication production technology, publication distribution technology development and application, electronic paper, reader and other new media technology development, application and industrialization;
7. Protection and revitalization of intangible cultural heritage, protection and development of ethnic and folk arts and traditional arts and crafts, protection of national historical and cultural cities (towns and villages) and cultural blocks, towns and villages with Chinese Ethnic Minority characteristics protection, protection and development of Chinese time-honored brands, international marketing and promotion of national cultural and artistic masterpieces;
8. Cultural information resource sharing project, smart museum construction, smart radio and television construction, mobile multimedia broadcasting and television, radio and television digitalization, intelligent cooperative coverage of cable and wireless satellite broadcasting television networks,

intelligent construction of national cable television network and interconnection platform construction;

9. Development and application of language technology;
10. Construction of preventive health care, health emergency and health supervision service facilities;
11. Internet + medical and health services, medical big data application;
12. Medical information services such as health consultation, medical knowledge and health management services;
13. Construction of medical and health services;
14. Construction and services of infectious diseases, children's and mental health specialized hospitals and rehabilitation hospitals (centres), nursing homes (centres and stations), hospice care centres and general medical facilities;
15. Psychological counseling services;
16. TCM health care services;
17. Sports management activities;
18. Sports competition performance activities;
19. Sports, fitness and leisure activities;
20. Sports grounds and facilities management;
21. Physical Education and Training;
22. Sports tourism, health and rehabilitation;
23. Sales, rental and trade agency of sports goods and related products;
24. Construction of sports facilities;
25. Long-term care services (including nursing homes, nursing homes for the aged, rural elderly care facilities, etc.);
26. Backbone network of community services for the elderly;

27. Stay healthy;
28. Practical training and education for elderly care services;
29. Rehabilitation assistive Equipment Allocation Services (rental) agencies;
30. Health management and physical fitness for the elderly;
31. Wise health and old age;
32. Early child development (intellectual development, dietary nutrition, mental health);
33. Family parenting support and guidance;
34. Property Services;
35. Domestic services;
36. Elderly care services;
37. Community care services;
38. Patient care services;
39. Childcare services;

(33)Environmental Protection and Comprehensive Utilization of Resources Conservation (19 items)

1. "Three wastes" comprehensive utilization and treatment technology, equipment and engineering;
2. Development and production of biological strains and additives for "three wastes" treatment;
3. Zero waste water discharge and reuse technology application;
4. Development of high efficiency and low energy consumption wastewater treatment and recycling technology;
5. Reduction, recycling, harmless treatment and comprehensive utilization of urban refuse, sludge and other solid wastes;

6. Development and production of new water treatment agents and environmental protection water treatment agents;
7. Technology development, application and equipment manufacturing of energy saving, water saving, material saving, environmental protection and comprehensive utilization of resources; To provide users with energy conservation consulting, design, evaluation, testing, audit, certification, diagnosis, financing, transformation, operation management and other services;
8. Comprehensive utilization technology of symbiotic and associated mineral resources and extraction of valuable elements;
9. Research, development and application of soil remediation technologies containing persistent organic pollutants;
10. R&D, manufacturing and sales of ecological environment restoration and ecological purification technology and equipment;
11. Development and utilization of brackish water, brackish water and inferior water;
12. Environmental monitoring system Engineering;
13. Technology and equipment for development and comprehensive utilization of low grade, complex and refractory ore;
14. Comprehensive utilization of tailings, waste slag and other resources and manufacturing of supporting equipment;
15. Industrialization of recycling of construction waste and renewable resources;
16. Development and application of recycling technology and equipment for waste wood, waste electrical and electronic products, waste printed circuit boards, waste batteries, waste agricultural machinery, waste plastics, waste (broken) glass, waste rubber, waste oil and other waste materials;
17. Development and facility construction of kitchen waste resource utilization technology;
18. Garbage sorting technology and equipment;
19. Third party treatment of environmental pollution;

(34) Public Safety and Emergency Products (35 items)

1. Development and application of monitoring and early warning technology for biological disasters and animal epidemic;
2. Technology and products for rapid monitoring of water, soil and air pollutants;
3. Development and application of food and drug safety rapid inspection technology, instruments and equipment;
4. Reagents and instruments for the detection of major epidemics and emerging infectious diseases;
5. Traffic safety, urban public safety, terrorist attack safety, network and information system safety, police safety, special equipment safety, engineering construction safety, fire, major danger source safety monitoring and warning system, product technology development and application;
6. Development and application of protective equipment for emergency rescue personnel;
7. Technologies and products such as rapid mapping, storage and transmission of emergency site information;
8. Intelligent, large, special, unmanned, high-performance fire fighting and rescue equipment;
9. Emergency rescue products, platforms and equipment for emergency communication, emergency command, emergency power generation and power restoration, logistics support, etc.;
10. Detection, demolition, life saving, lighting, smoke exhaust, leakage plugging, transfer, wash, lift, delivery and other efficient rescue products;
11. Drinking water rapid purification device;
12. Development and application of snow removal machinery and environment-friendly snow remover in public transport facilities;
13. Anti-terrorism operation technology and equipment and detection and control technology; Anti-terrorism integrated combat platform technology, anti-nuclear terrorism robot, emergency explosion-proof vehicle, medium anti-terrorism and explosion-proof robot, explosion-proof trailer, explosive

destruction device, etc.;

14. Social services for emergency rescue, such as emergency medical treatment, traffic rescue, engineering rescue, production safety, aviation rescue, network and information security;
15. Emergency logistics facilities and services;
16. Emergency advice, assessment, training, leasing and insurance services;
17. Construction of emergency materials reserve infrastructure, emergency rescue base and public emergency experience infrastructure;
18. New fireproof coatings, fireproof materials, fire suppression and explosion suppression devices, building refractory components;
19. Development and application of rapid acquisition technology of earthquake disaster information, and development and application of seismic active fault detection technology;
20. Development and application of hazardous elements monitoring technology for agricultural products and their environment;
21. Development and application of key infrastructure security, social and public security, agriculture and forestry meteorology, and biological disaster prevention and protection technologies;
22. Technology and equipment for quarantine and disposal of epidemic diseases;
23. Disaster emergency monitoring technology equipment, risk intelligent identification technology equipment, and key logistics support technology equipment for emergency rescue;
24. Development and application of meteorological, earthquake, geology, flood and drought disaster, urban and forest fire disaster monitoring and warning technology;
25. Development and application of coal and mine safety production monitoring and alarm technology;
26. Household emergency protection products;
27. Road emergency access equipment and facilities;

28. Mine digital technology development and application, safety production simulation training technology development and application, fine tailings mold bag method dam safety technology;
29. Development and application of rapid identification technology of water inrush source in coal mine;
30. Rapid quality testing equipment for fire fighting products;
31. Rapid safety monitoring equipment for production and domestic water use;
32. Special equipment and equipment for flood control and rescue;
33. Efficient intelligent deicing and snow removal equipment for rain and snow freezing disasters;
34. Construction of emergency facilities for flood control and drought relief;
35. Development and application of new technologies and products for flood control and drought relief;

(35) Human Resources Services (3 items) (More than 10 local employees should be employed, and more than 50% of the business should be conducted locally)

1. Human resources recruitment, employment and entrepreneurship guidance, human resources and social security affairs agency, human resources training, labor dispatch, human resources evaluation, human resources management consulting, human resources service outsourcing, senior talent search, human resources information software services and other human resources services;
2. Construction of human resources, human capital market and supporting service facilities;
3. Construction of employment service platform for rural labor transfer;

(36) Artificial Intelligence (6 items)

1. Integrated technology and application of industrial Internet, public system, digital software and intelligent equipment system;
2. Network infrastructure, big data infrastructure, high-efficiency computing infrastructure and other intelligent infrastructure;
3. Key technologies and equipment of intelligent manufacturing;
4. Intelligent medical treatment, medical image assisted diagnosis system;
5. Intelligent security, video image identification system;
6. Intelligent transportation, intelligent vehicle;