Two Ministries Announced 10 Major Transformation and Upgrading Projects for Manufacturing Industry —Some Referred to Pulp and Paper Industry

On May 19th, 2016, National Development and Reform Commission, Ministry of Industry and Information Technology jointly issued the *Notice on Implementing Major Engineering Package for Transformation and Upgrading of Manufacturing Industry*.

In order to have stable expectation, stable confidence, stable investment and stable growth, promote transformation and upgrading, improve quality and efficiency, accelerate the construction of manufacturing power, the National Development and Reform Commission and the Ministry of Industry and Information Technology organized the implementation of transformation and upgrading of major engineering package in manufacturing industry. Through the implementation, the goal is to achieve average annual value added more than 7% for large scale manufacturing enterprises in 3 years, an average annual growth rate of about 15% for investment in technological transformation of enterprises, significant improvement of independent innovation ability and industrial output value rate of new products, significantly upgrade the proportion of advanced production capacity, the resource and energy utilization efficiency, the cleaner production, and the enterprise safety levels.

According to the notice, the relevant departments and local authorities need to establish a long-term mechanism to promote the upgrading of manufacturing industry, and further improve the financial, taxation, finance and other policy systems to create good atmosphere, speeding up the implementation of major projects through enhancing policy support, strengthening the technical standard guiding, optimizing the ways of government investment, innovating financial support policies, and improving the management of investment projects and other policies.

The major transformation and upgrading engineering package of manufacturing industry focuses on high-end, intelligent, green, and service-oriented manufacturing, it is to organize the implementation of ten major projects including: intelligent transformation project, basic capability upgrading project, green manufacturing promotion project, high-end equipment development project, key new materials development project, aerospace capacity construction project, electronic information upgrading project, quality and brand upgrading project, service-oriented manufacturing transformation project, and key industrial base construction projects.

In these ten major projects, those highly related to pulp and paper industry are: green manufacturing promotion project, high-end equipment development project, and key new material development project.

Green Manufacturing Promotion Project

- Cleaner Production Process

Promote cleaner production process transformation of the industries including non-ferrous metal, chemical industry, papermaking, leather, lead-acid batteries, fermentation, printing and dyeing, electroplating industry; reduce heavy metals, volatile organic compounds, persistent organic and other unconventional pollutants.

- High Efficient Utilization of Water Resources

Adopt water system balance and optimization of the overall solution and other water-saving technologies, implement the transformation of chemicals, steel, paper, printing and dyeing, food, medicine and other industries.

High-end Equipment Development Projects

● Light Industry and Textile Industry High-end Equipment Manufacturing Engineering

Focus on the development of manufacturing of large and high-efficient pulping and papermaking machinery, intelligent plastic processing machinery, intelligent sewing machine, high-speed liquid food filling equipment, green and efficient washing equipment, multi position high precision pen point processing equipment, biomass based fiber production equipment, high efficient and intelligent textile equipment, high-speed intelligent nonwovens equipment, etc.

Key New Material Development Projects

● Advanced Composites Development Engineering

Focus on the development of self-healing, fast healing cement based materials, concrete materials made with seawater, and cement-based materials for extreme environment, fiber reinforced ceramic matrix composite material, high performance glass fiber, silicon carbide fiber, aramid fiber, T800 carbon fiber and its reinforced resin matrix composite, asbestos free composite sealing friction material, textile materials for industry, paper based new material.