

## Chenming Group 400,000 t/a Bleached Sulfate Chemical Wood Pulp Project Passed the Environmental Judgment

On September 14<sup>th</sup>, 2015, the environmental impact statement of Chenming Group 400,000 t/a bleached sulfate chemical wood pulp project was examined and ratified by Environmental Protection Department of Shandong province.

The project is an expansion project with total investment of RMB 4,376,760,000, including environmental protection investment of RMB 375,430,000. The project will eliminate the original 153,000 t/a old pulping production line in Shouguang urban district and construct 400,000 t/a bleached sulfate chemical wood pulp production line in Chenming industrial park with environmental engineering, transportation engineering, public engineering, etc., using the international most advanced

and mature ECF+ ozone bleaching process, the black liquor recovery uses high-pressure alkali recovery boiler, by using MVR water-saving equipment mechanical pulping waste water realizes "zero discharge". By introducing advanced biomass gasification technology, bark and sawdust and other off scum produce methane and other combustible gases will take the place of heavy oil and achieve win-win economic benefits and social benefits.

The project produces high-grade bleached pulp to replace deinked pulp and other low-grade pulps. The products were transferred and upgraded into high-grade and high value added products; it will improve the comprehensive competitiveness of the enterprise. 