

Project Planning of 900,000 t/a Dimethyl Ether by Methanol from Coalbed Methane

Name of the project:

900,000 t/a Dimethyl Ether by Methanol from Coalbed Methane

Technology level: GJ-AAA

Using American most advanced Slurry Bed Reactor and GPDME manufacture technology to dehydrate methanol and synthesize Dimethyl Ether. The technology is made up of producing and refining synthetic gas, using reactor to synthesize Methanol and Dimethyl Ether synthesis etc.

Environmental protection level: OIV-AAA

Environmental protection measures:

According to the Europe International OIV Standard, the implementation of this project uses the efficient and durable imported filtering bag as production equipment; adopts wet agglomeration technology uses completed vacuuming system and three wastes recovering and processing system recycles tail gas completely, uses tail gas as fuel and reduces emission of SO₂ catalyst dust to most bottom so that there is no emission of three wastes basically.

Investment on the environmental protection:

The investment on the environmental protection is 335.88 million RMB, which is 48.962 million U.S. dollars.

Project scale:

Industrial Dimethyl Ether is 100,000 tons per year;

Fuel Dimethyl Ether Liquid Gas is 200 thousand tons per year;

Dimethyl Ether Liquid Gas is 200 thousand tons per year.

Investment on the project:

Total investment is 5328.242 RMB, which is 776.712 million U.S. dollars. (The exchange rate between the RMB and U.S. dollar is US\$1:6.86Yuan, similarly hereafter)

Sale income:

Annual income is 3666.736 million RMB, which is 534.510 million U.S. dollars.

Tax payment:

Annual tax paid is 791.774 million RMB, which is 115.419 million U.S. dollars.

Profit gains:

Annual profit is 1342.388 million RMB, which is 195.683 million U.S. dollars.

Job offers:

The project will offer more than 2,000 jobs.

Construction site:

Shanghai Energy

Address:

Shenyang Industrial Park in Shanghai

Undertaken Company:

Shanghai Energy