



طرح مطالعات پیش امکانسنجی  
پروپیلن از گاز طبیعی



خلاصه امکانسنجی: ( نرخ تبدیل دلار دولتی: ۳۰،۱۰۸ ریال )

<b>General Specification</b>
Name of The Project: Propylen production from natural gas
Project Capacity: 300,000 ton
Personnel Number: 140 person
Working Days: 300 days
Product Usage: Materials for electronics, automotive, construction, packaging
<b>Marketing</b>
Product Global Price: Propylene prices in 2013 to more than US \$ 1555 a tonne.
Domestic Demand: 82 millin ton
Domestic Production: 529,000 tons
Import : 1,000 kg
Export: -
<b>Technical Study</b>
Land Area: 4,000,000 m <sup>2</sup>
Building Area : 1,040,100 m <sup>2</sup>
Main Raw Materials: Natural gas
Supplying Place of Raw Materials: internal
Power Requirement: 1,500,000 kw/h
Water Requirement: 15,000,000 m <sup>3</sup>
Fuel Requirement: gas 1,500,000,000 m <sup>3</sup> Benzin: 30 liter
<b>Economical &amp; Financial Study</b>
Fixed Investment Cost (Rail's & other Currencies) 363,614,207 \$
Working Capital: 6,510,847 \$



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Total Investment Cost : 370,134,404 \$
Annual Sale: 435,000,000 \$
Net Present Value(NPV): 468,587,038.54 \$
Break Even Point(BEP): 7.75%
Internal Rate of Return(IRR): 77%
Investment Return Period: 28months
Internal Rate of Return(IRR): 80%
Investment Return Period: 17months
Internal Rate of Return(IRR) Including 100% of capacity: 102%
Investment Return Period Including 100% of capacity: 0.98years