



طرح مطالعات پیش امکانسنجی



شیشه با فناوری نانو

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

General Specification
Name of The Project: Production of Glass with nanotechnology
Project Capacity: 1,000,000 m ²
Personnel Number: 26 person
Working Days: 300 days
Product Usage: Self-cleaning glass, energy control glass and glass for protection against
Marketing
Product Global Price: 30 – 120 \$
Domestic Demand: -
Domestic Production: 124,875 ton
Import: 36,641 kg
Export: 690,499,27 kg
Technical Study
Land Area: 5,000 m ²
Building Area: 5,050 m ²
Main Raw Materials: Titanium tetrachloride, float glass, wooden boxes
Supplying Place of Raw Materials: Internal
Power Requirement: 453,000 kw/h
Water Requirement: 1,875 m ³
Fuel Requirement: gas: 51,000 m ³ Benzin: 9,000m ³
Economical & Financial Study
Fixed Investment Cost (Rail's & other Currencies) 3,333,140 \$
Working Capital: 512,980 \$



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Total Investment Cost :3,855,470 \$
Annual Sale: 9,299,854 \$
Net Present Value(NPV): 4,385,183 \$
Break Even Point(BEP): 17.49%
Internal Rate of Return(IRR): %50
Investment Return Period: 28 months
Internal Rate of Return(IRR) Including 100% of capacity: 77%
Investment Return Period Including 100% of capacity: 1.3years