



طرح مطالعات پیش امکانسنجی اسید
فسفریک



خلاصه طرح مکانسنجی: (نرخ تبدیل دلار دولتی: ۳۰,۱۰۸ ریال)

General Specification
Name of The Project: production of Phosphoric acid
Project Capacity: ۵۰۰۰۰ Ton
Personnel Number: ۸۱ members
Working Days: 300 Days
Product Usage: Fertilizer, Food, detergents, Medical
Marketing
Product Global Price: 690-760 \$
Domestic Demand:
Domestic Production: 255000 Ton
Import: 12,393,334 Kg
Export: -
Technical Study
Land Area: 100000 m ²
Building Area: 9,950 m ²
Main Raw Materials: Phosphate rock, Sulfuric acid
Supplying Place of Raw Materials: internal
Power Requirement: 876,150.00 Kw/h
Water Requirement: 8,332,200 m ³
Fuel Requirement: gas: 8,672,250 m ³ Benzine: 36,000 Lit
Economical & Financial Study
Fixed Investment Cost (Rail's & other Currencies) 15668493.42 \$
Working Capital: 5395443.072 \$



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Total Investment Cost: 21073269.56 \$
Annual Sale: 53142022.05 \$
Net Present Value(NPV): 35311478.68 \$
Break Even Point(BEP): 12.75 %
Internal Rate of Return(IRR): 65%
Investment Return Period: 21 month
Internal Rate of Return(IRR) Including 100% of capacity: 109%
Investment Return Period Including 100% of capacity: 0.91years