

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

General Specification
Name of The Project: Manufacture of polyester fibers from waste PET
Project Capacity: 6,000tons
Personnel Number: 48 person
Working Days: 300 days
Product Usage: Women's clothing, shoes, socks, gloves, types of carpets, rugs and carpeting, upholstery and curtains, fishing nets, balloons, parachutes, electrical insulators, sports equipment, coatings, anti-moisture, anti-air and space suits some products that fiber are artificial.
Marketing
Product Global Price: polyester yarn 11300 \$
Domestic Demand: About 5.2 kg per capita consumption of polyester in Iran
Domestic Production: 154,760 tons
Import: 9,762,984 kg
Export: 12,035,396 kg
Technical Study
Land Area: 7,000 m ²
Building Area: 3,240 m ²
Main Raw Materials: Granulated polyester, polyester waste, polyester yarn waste, pet waste, ...
Supplying Place of Raw Materials: internal
Power Requirement: 6000kw/h
Water Requirement: 6000 m ³
Fuel Requirement: gasoline: 24,000 liter Benzin: 21,000 liter
Economical & Financial Study



Fixed Investment Cost (Rail's & other Currencies): 2,758,331 \$
Working Capital: 575,465\$
Total Investment Cost: 3,343,146\$
Annual Sale: 9,964,129 \$
Net Present Value(NPV): 3,347,048 \$
Break Even Point(BEP): 18.28%
Internal Rate of Return(IRR): 57%
Investment Return Period: 24months
Internal Rate of Return(IRR) Including 100% of capacity: 83%
Investment Return Period Including 100% of capacity: 1.13years