

Vocab Glossary

Vocab	Definition
GSM	grams per square meter, relating the mass to size of fabric
Unit	One unit of our product = 1kg fiber, consisting of 2% of high-performance protein

Fixed Assets

Financial Analysis

Item	Cost (CYN)	Note
Internet	¥500.00	
Fermentation tank	¥9,500.00	price of 5 fermentation tanks in total
Fiber drawing machine	¥250,000.00	
Tensile strength tester	¥5,850.00	
Drying oven	¥10,800.00	
Wastewater treatment system	¥17,300.00	
Total	¥293,950.00	

Factory space cost

Financial Analysis

Item	Space Needed (m ²)	Price per Month (CNY)	Note
Storage Area	200	¥	1,200.00 For storage of straws
Packaging and Transportation area	700	¥	4,200.00 For packaging of our product
Manufacture Area	700	¥	4,200.00 For making high-performance proteins
Lab Area	500	¥	3,000.00 For research & development
Total	2100	¥	12,600.00 All space required for production

Human Resources

Financial Analysis

Storage & Warehouse Area:

Work Title	Monthly Salary(CNY)	# Workers needed	Notes
Forklift Driver	¥ 3,500.00	1	Responsible for transporting the straw within the warehouse with forklift
Warehouse/Packaging laborer	¥ 3,000.00	3	Packaging and managing the warehouse
Warehouse Supervisor	¥ 4,000.00	1	Responsible for supervising the workers in warehouse area
Total	¥ 16,500.00	5	

Manufacturing:

Work Title	Monthly Salary(CNY)	# Workers needed	Notes
Manufacturing Worker	¥ 3,500.00	3	Responsible for pre-processing the straw
Production Supervisor	¥ 4,500.00	1	Overseeing the straw treatment
Quality Inspector	¥ 4,000.00	1	Checking for the quality
Total	¥ 19,000.00	5	

Lab Area:

Work Title	Monthly Salary(CNY)	# Workers needed	Notes
Lab Worker	¥ 6,000.00	3	Responsible for research and development
Total:	¥ 18,000.00	3	
Total:	¥ 53,500.00	8	

Product Unit Cost

Financial Analysis

Item	price(CNY)	Note
LB broth	¥ 25.000	With 7000ml liquid LB needed for high-performance protein production
IPTG Inducer	¥ 197.000	With 1M IPTG needed for induction
laboratory consumables	¥ 35.000	Include centrifuge tubes, pipette tips, and purification columns
Auxiliary chemicals	¥ 35.000	Include buffers, stabilizers, and other reagents.
Straw purchase	¥ 0.900	
Transportation Expense	¥ 0.013	Cost for transporting 1kg of our product
Total	¥ 292.913	Total cost for 1kg fiber

Unit Price

Note

¥340

Covers unit cost, unit cost for rent and salaries

12 Months Total Cost

12 Months Total Cost

Item	price(CNY)	Note
Product Cost	¥ 43,786,950.000	Unit cost*150,000kg (assuming GSM=180, size of M, 150,000kg fibers=450,000 t-shirts)
Fixed Asset Expense	¥ 293,950.000	Assuming full return in 24 months
Factory Rent	¥ 151,200.000	Monthly rent*12months
Salaries	¥ 642,000.000	Monthly salaries*12months
Debt	¥ 20,000,000.000	
Total	¥ 64,874,100.000	

12 months Total Revenue & Profit

Item	price(CNY)	Note
Total Revenue	¥ 51,000,000.000	
Total Profit	¥ -13,874,100.000	

24 Months Total Cost

24 Months Total Cost

Item	price(CNY)	Note
Product Cost	¥ 60,000,000.000	Unit cost*300,000kg (assuming GSM=180, size of M, 300,000kg fibers=1,000,000 t-shirts)
Fixed Asset Expense	¥ 293,950.000	Assuming full return in 24 months
Factory Rent	¥ 151,200.000	Monthly rent*12months
Salaries	¥ 642,000.000	Monthly salaries*12months
Debt	¥ 20,000,000.000	
Total	¥ 81,087,150.000	

24 months Total Revenue & Profit

Item	price(CNY)	Note
Total Revenue	¥ 102,000,000.000	
Total Profit	¥ 20,912,850.000	

Column1	Asset
Year 1	¥ -138,741,000.00
Year 2	¥ 159,653,850.00
Year3	¥ 208,566,700.00
Year 4	¥ 307,479,550.00
Year 5	¥ 625,700,100.00



