

Financials and Projections Production of Enzymes for Baking: Amylase, Glucoamylase and Xylanase

12-Month Financial Projection (Pre-Revenue to Pilot Commercial Stage)

Category	Description	Estimated Cost (₦)
Equipment & Setup	Bioreactors, fermenters, purification & drying units	30,000,000
Laboratory Operations	Raw materials, microbial strains, culture media, chemicals	10,000,000
Staff & Training	Technical staff, microbiologists, engineers, lab assistants	8,000,000
Facility Rent & Utilities	Power, water, workspace	4,000,000
Regulatory & Certification	NAFDAC, SON, and patent documentation	3,000,000
Pilot Production & Testing	Small-scale enzyme batch trials, product validation	5,000,000
Marketing & Partnerships	Branding, trade shows, industry outreach	3,000,000
Contingency (10%)	Miscellaneous, inflation, logistics	4,000,000

Total 12-Month Expenditure: ₦67,000,000

Expected Revenue (Month 10–12): ₦10,000,000 (*pilot enzyme sales to local bakeries*)

Net Position (End of Year 1): ₦-57,000,000 (investment phase)

The above is a structured projection assuming moderate operations and Nigerian economic context (₦1,500 = \$1 for simplicity)

