

PROJECT BUDGET

Total Budget: ₦50,000,000

1. Research & Development (₦6,000,000 – 12%)

- Design refinement (drawings, CFD simulations, material tests) – ₦2,000,000
- Prototype iterations (different capacity units) – ₦3,000,000
- Laboratory testing (nutritional analysis, emissions, performance) – ₦1,000,000

2. Fabrication & Materials (₦10,000,000 – 20%)

- Stainless steel sheets, insulation materials – ₦3,500,000
- Biomass gasifier components – ₦3,000,000
- Electronics (Arduino, sensors, solar units) – ₦2,000,000
- Machining, welding, finishing – ₦1,500,000

3. Commercialization & Deployment (₦20,000,000 – 40%)

- Fabrication of **20 commercial pilot units** – ₦15,000,000
- Deployment logistics (5 agro-ecological zones) – ₦3,000,000
- Installation & community workshops – ₦2,000,000

4. Capacity Building & Training (₦5,000,000 – 10%)

- Training local technicians & artisans – ₦2,000,000
- Farmer cooperative training – ₦1,500,000
- Manuals, multimedia, and guides – ₦1,500,000

5. Monitoring, Evaluation & Optimization (₦3,500,000 – 7%)

- Data collection & performance tracking – ₦1,500,000
- Optimization based on feedback – ₦1,000,000
- Certification (SON, NSPRI, NCAM) – ₦1,000,000

6. Project Management & Administration (₦3,500,000 – 7%)

- Salaries & stipends for PI, co-PIs, and assistants – ₦2,000,000
- Logistics, office, utilities – ₦1,500,000

7. Dissemination & Outreach (₦2,000,000 – 4%)

- Academic publications, briefs, conference papers – ₦1,000,000
- Stakeholder engagement & publicity – ₦1,000,000

Budget Summary Table

Category	Amount (₦)	% of Total
Research & Development	6,000,000	12%
Fabrication & Materials	10,000,000	20%
Commercialization & Deployment	20,000,000	40%
Capacity Building & Training	5,000,000	10%
Monitoring & Evaluation	3,500,000	7%
Project Management & Admin	3,500,000	7%
Dissemination & Outreach	2,000,000	4%
Total	50,000,000	100%