







Nigeria Electrification Project

ENERGY EFFICIENT PRODUCTIVE USE APPLIANCES AND EQUIPMENT

CONTEXT: MINI GRIDS – PERFORMANCE OVERVIEW



COMPONENT 2 OVERVIEW

Objectives

- INCREASE productive use of energy by facilitating access to efficient, electric productive equipment
- ENCOURAGE productive use in Developer's Strategy
- ACTIVATE Appliance Market

Subsidy Approach

- Result's Based Financing to energy access companies for energy-efficient appliances in rural communities
- RBF available for sites identified by energy access companies with sustainable business plans
- Subsidies to be provided to energy access companies on the basis of new appliance installation and training of end-users
- \$20 million dollars

Implementation



PHASE 1 IMPLEMENTATION PLAN





PHASE 1 MINI GRID INTELLIGENCE



19

Applications

10

Mini Grid's pre-qualified

6

Mini Grid selected following data analysis and final submissions (Business Plans,PUE Rosters)

> 25

Various types of economic activities

No.	MINI GRID LOCATION (state)	Local Government Area (LGA)	Community Name							
1	Ogun	Obafemi Owode LGA	Mokoloki Community							
2	Gombe	Akko LGAA	Dakiti Village							
3	Kebbi	Arewa LGA	Kare, Tsulayi and Dadin Kowa communities							
4	Niger	Edati LGA	Rokota Community							
5	Plateau	Shendam LGA	Shimankar Community							
6	Ebonyi	Onicha LGA	Obeagu Isu Community							

Below, is the data requested from each developer on plans for productive use equipment purchases to be considered under the subsidy program. Each developer must provide this information completely and accurately to move on to the next stage of the productive use program.

Budget	Your total PUE equipment budget for the site					
Business Plan	Information on your business plan for the purchase of PUE under the program (provided separately)					
PUE Roster	The specific PUE you intend to purchase with this subsidy (separate row in roster for each equipment type) and technical specifications [Warranty (years), Power type (AC or DC), Power rating (kW, VA), Brand.]					
Economic Activities Supported	List all economic activities this equipment will support, electricity, and/or enable					
Quantity (Units)	Total number of PUE equipment type to be purchased					
Cost Per Unit	Cost for each unit of PUE (should only include equipment (capital) cost; excludes costs related to transportation, installation/commissioning, training, O&M, marketing, etc.)					
Other costs	Other costs, all costs not included in Capex costs					
Total Cost	Cost per unit x Quantity + Other costs					
# of customers	Total number of customers who will pay you to use this equipment type					
Customer type	[Agro Processor] OR [MSME]					
# of women led MSMEs	Number of direct customers which are MSMEs owned and/or headed by women					
# of women-owned cooperatives	Number of direct customers which are women cooperatives					
# of beneficiaries	Estimate of the total beneficiaries of this equipment beyond direct customers					

PHASE 1 TARGETS & INDICATORS

During phase 1, the PMU will be testing the following assumptions surrounding the impact of productive use of energy & energyefficient productive use appliances on mini grids:



Old Vs New

✓ Cleaner Energy Source
✓ Increased Productivity & Efficiency
✓ Improved income generation Potential
✓ Improved Economy
✓ Reduced Health Hazard

APPLIANCES



Grain Mill

Water Pumping System

Rice Huller

Rice Polisher

Oil Press

Cassava Grater





APPLIANCES





Mobile Phone Charging Station

(Deep) Freezer

Sewing Machines

Barbing Kit

Hair Dryer



	Deadline	March			April – October			November					December				
		4	11	18	25	1	8	15	22	4	11	18	25	2	9	16	23
1) Submit all requested site application data and information to REA, and finalize Grant Agreement	ASAP																
2) Execute Grant Agreements	31 Mar																
3) Support collection of baseline data	16 April						•										
4) Procure productive use equipment	7 May																
5) Support collection of monthly data	Monthly																
6) Final data evaluation	14 Oct																
7) Subsidy Disbursement	11 Nov																
8) Publish results and launch RBF 2	11 Dec																

STATUS



Energy-efficient productive use appliances

20%

....of businesses headed by women

1,050,000

Number of people with improved access to energy services from productive use systems

\$20,000,000

Total Value of results-based financing channeled to private sector providers of Productive Use Appliances and Equipment



ENERGY = EMPOWERMENT = EFFICIENCY

	Website: www	r.rea.gov.ng		
	Email: info@re	ea.gov.ng		
G @REANigeria	🕑 @realREANigeria	🖸 @REANigeria	@realREANigeria	