



PROJECT: ESTABLISHMENT AND DEPLOYMENT OF MINI-GRID SOLAR ENERGY SOLUTIONS

Project Description	Establishment and deployment of mini-grid solar energy solutions to underserved communities in Anambra State
Partnering Company	Green Village Energy (GVE) Limited
Sector	Power
Location	Anamra West, Anambra State
Project Cost	US\$3,000,000
Responsible MDA	ANSIPPA Ministry of Power and Water Resources

PROJECT CLIMATE SCREENING ASSESSMENT REPORT

Primary Purpose of the project	Establishment and deployment of mini-grid solar energy solutions to underserved communities in Anambra State
Alignment with the country's national climate-change mitigation and adaptation targets	The project focusing on establishing and deploying mini-grid solar energy solutions to underserved communities aligns significantly with the country's national climate-change mitigation and adaptation targets. This initiative is in line with Nigeria's Climate Action Plan (NCCP, 2021), which prioritizes renewable energy sources and aims to increase access to clean and sustainable energy. By deploying mini-grid solar solutions, the project contributes directly to reducing reliance on fossil fuels and mitigating climate change impacts associated with traditional energy production. It aligns with the national strategy of enhancing energy efficiency, decreasing carbon emissions, and fostering resilience against climate variability by providing clean energy access to remote and underserved areas.
Contribution to Greenhouse Gas (GHG) emissions	The deployment of mini-grid solar energy solutions to underserved communities is expected to have a positive impact on reducing GHG emissions. The shift towards renewable energy sources such as solar power significantly reduces the dependency on fossil fuels for electricity generation in these communities. By substituting traditional energy sources with clean solar power, the project aims to diminish GHG emissions linked with electricity production. Furthermore, the reduced reliance on fossil fuels for energy generation in these communities indirectly contributes to lowering overall regional emissions.
Mitigation features that contribute to the transition towards a net-zero future	The project integrates various mitigation features essential for transitioning towards a net-zero future in energy production. These include the deployment of renewable energy sources, particularly solar power, to provide sustainable and clean electricity to underserved areas. The use of mini-grid systems ensures efficient distribution and management of energy, reducing transmission losses and optimizing energy usage. Additionally, the project emphasizes community involvement,

capacity building, and education about clean energy, thereby promoting sustainable energy practices. Moreover, by reducing reliance on fossil fuels, the initiative aligns with the State's commitment to fostering sustainable energy access in alignment with SDG 13, contributing significantly to a carbon-neutral and environmentally sustainable future by 2050.

For more information, please refer to www.anambrastate.gov.ng

S/N	TASK	TIMELINE	Responsibility	Status	Relevant MDAs
1	Kick off Meeting / Stakeholder Engagement	Oct, 2023	ANSG / GVE / TC-Chair		Pub. Utilities / Local Govt / ANSIPPA
2	Mini-Grid Design and Engineering	16th Oct - 31st Nov 2023	GVE / EEDC / ANSG GVE / NERC / ANSG /		Pub. Utilities
3	Infrastructure Transfers, Permits, and Registrations	Oct/Nov, 2023	EEDC		Pub. Utilities