



EBONYI STATE PROJECT CLIMATE SCREENING ASSESSMENT REPORT

Project Name: Construction of 45MW Hydropower Plant
Location: Ikwo Local Government Area, Ebonyi State
Sector: Power and Energy
Value: 105,000,000 USD
DURATION/TIMEFRAME: 5 YEARS

SN	ASSESSMENT DOMAIN	REMARKS
1.	Primary purpose of the project	The primary purpose of this project is to improve electricity and energy supply across the state and by extension the neighboring states in the south east zone. Ikwo Local Government Area will house this project. The project will create appropriate employment, Increase energy supply to the state and serve as a catalyst for industrialization and Economic growth.
2.	Alignment with the country's national climate-change mitigation and adaptation targets	The State Ministry of Environment, in collaboration with the State Ministry of Trade and Investment and Ministry of Power and Energy, provides oversight to ensure the project aligns with the National Climate Change Policy Response and Strategy (2012), revised in 2021 https://climatechange.gov.ng/wp_content/uploads/2021/08/NCCP_NIGERIA_REVISIED_2-JUNE-2021.pdf and state climate mitigation strategy and flood management policy to revise and adapt standards and guidelines for transport infrastructure construction, maintenance and exploitation under different climatic scenarios, and contribute to improve environmental performance of the power sector by the National Climate Change Policy (NCCP) 2021. The project will incorporate climate-resilient features in urban planning, including flood management systems
3.	Contribution to Greenhouse gas emissions (GHG)	For Hydropower plants in cold climate, a typical GHC emission factor is 15Gco2 equivalent/kwh which is 30-60 times less than the factors of usual fossil fuel generation.
4.	Mitigation features that contribute to the	All inland waters naturally produce some GHC emissions, however, when Human-made reservoirs are constructed for hydropower facilities, they change the way carbon is

transition towards a net-zero future	emitted and stored in the river systems, sequestering some carbon but also releasing some embedded carbon in form of methane emissions.
For further information, refer to the Ebonyi State Public Private Partnership Law No 003 and the Executive Order 005, or call the Customer Service Centre on 08064519230	

EBONYI STATE PROJECT CLIMATE SCREENING ASSESSMENT REPORT		
Project Name: Development Of Ebonyi State Salt Industry Location: Ohaozara LGA Sector: Solid Minerals Value: 570,000 USD DURATION/TIMEFRAME: 5 YEARS		
SN	Assessment Domain	Remarks
1.	Primary purpose of the project	Ebonyi State is regarded as the salt of the Nation and the purpose of this project is to tap into and harness the huge natural salt deposit in the state to close the gap in the supply chain of salt in Nigeria, Create Employment for the teeming populace and drive economic growth.
2.	Alignment with the country's national climate-change mitigation and adaptation targets	The State Ministry of Environment, in collaboration with the State Ministry of Trade and Investment and Ministry of Solid Minerals, provided oversight to ensure the project aligns with the National Climate Change Policy Response and Strategy (2012), revised in 2021 https://climatechange.gov.ng/wp-content/uploads/2021/08/NCCP_NIGERIA_REVISED_2-JUNE-2021.pdf that include national climate mitigation strategy and flood management policy to modify and adapt standards and guidelines for transport infrastructure construction, maintenance and exploitation under different climatic scenarios, and contribute to improve environmental performance of the transport sector by the National Climate Change Policy (NCCP) 2021.

		The long hours of traffic congestion experienced on the road due to bad roads will increase vehicular movement and emissions; the high CO2 emission in the area will be reduced once the road is completed. Also, clearing bushes during the project can sometimes lead to deforestation, which contributes to GHG emissions due to the release of stored carbon in trees.
3.	Contribution to Greenhouse gas emissions (GHG) emissions	The development of Ebonyi State Industry is a strategic infrastructure projects that will contribute to an increase in vehicular movement and emissions; the high CO2 emission in the area due will be reduced once the roads in the area are expanded and completed. Also, incorporating community outreach programs to educate and involve local communities in sustainable practices will foster a sense of environmental responsibility and stewardship.
4.	Mitigation features that contribute to the transition towards a net-zero future	The project is designed to incorporate climate change mitigation measures, including afforestation programs investing in carbon offset projects to counterbalance any remaining CO2 emissions, ensuring a net-zero or carbon-neutral outcome.
For further information, refer to the Ebonyi State Public Private Partnerships Law No 003 and the Executive Order 005, or call the Customer Service Centre on 08064519230		

EBONYI STATE PROJECT CLIMATE SCREENING ASSESSMENT REPORT

Project Name:500 Housing Unit
Location: Uburu, Ohaozara LGA
Sector: Housing
Value: 3,000,000 USD
DURATION/TIMEFRAME: 5 YEARS

SN	Assessment Domain	Remarks
1.	Primary purpose of the project	There is need to close the housing deficit in Ohaozara Local Government as a result of the siting of medical university and a teaching hospital in the area. These infrastructures have attracted huge number of persons both

		professionals and non-skilled workers, creating a huge gap in housing infrastructure. The housing unit will provide conducive and affordable housing for workers and students alike.
2.	Alignment with the country's national climate-change mitigation and adaptation targets	The 500 Unit Housing Estate can align with Nigeria's National Climate Change Policy (NCCP) 2012 (https://climatechange.gov.ng/wp-content/uploads/2021/08/NCCP_NIGERIA_REVISIED_2-JUNE-2021.pdf) which outlines climate change mitigation and adaptation strategies. Compliance with this policy involves implementing measures to reduce greenhouse gas emissions, promote sustainable development, and enhance resilience to climate impacts. It also aligns with the UNFCCC United Nations Framework Convention on Climate Change (UNFCCC). The convention emphasizes the need for countries to adapt to the adverse effects of climate change, especially those countries that are most vulnerable and least equipped to deal with these impacts (https://unfccc.int/)
3.	Contribution to Greenhouse gas emissions (GHG) emissions	The project light electric rails, e-public transit, and biking infrastructure contribute to reducing greenhouse gas emissions by promoting cleaner modes of transportation. Electric vehicles emitting zero tailpipe emissions will lead to an approximately 40-60% reduction in carbon dioxide emissions compared to conventional cars. Efficient public transit systems and widespread biking infrastructure can collectively contribute to a 20-30% reduction in transportation-related emissions by optimizing routes and encouraging environmentally friendly commuting options.
4.	Mitigation features that contribute to the transition towards a net-zero future	The construction of the 500 Housing Unit estate may involve machinery, transportation, and materials contributing to GHG emissions. However, the project leveraging renewable energy sources, such as solar panels, into the estate energy infrastructure will significantly reduce reliance on fossil fuels and minimize carbon emissions. The plan to implement effective waste management and recycling programs will reduce methane emissions from landfills and promote a circular economy.
<p>For further information, refer to the Ebonyi State Public Private Partnerships Law No 003 and the Executive Order 005, or call the Customer Service Centre on 08064519230</p>		

EBONYI STATE PROJECT CLIMATE SCREENING ASSESSMENT REPORT

Project: Ebonyi State Cassava Value Chain Industry

Location: Izzi LGA

Sector: Agro

Value: 300,000 USD

DURATION/TIMEFRAME: 5 YEARS

SN	ASSESSMENT DOMAIN	REMARKS
1.	Primary purpose of the project	The purpose of the cassava Value Chain Project is to improve coordination between value chain actors to increase the supply of cassava from farmers to processors. This will ensure the right raw material is delivered to the processing plants in the most efficient and cost effective manner. Ebonyi State is among the top cassava producing states in Nigeria, the value chain industry will ensure that most cassava produced is processed to improve quality and reduce marketing costs and hence, make cassava competitive with food grains in the market.
2.	Alignment with the country's national climate-change mitigation and adaptation targets	<p>The State Ministry of Environment, in collaboration with the State Ministry of Trade and Investment and Ministry of Solid Minerals, provided oversight to ensure the project aligns with the National Climate Change Policy Response and Strategy (2012), revised in 2021 https://climatechange.gov.ng/wp-content/uploads/2021/08/NCCP_NIGERIA_REVISED_2-JUNE-2021.pdf that include national climate mitigation strategy and flood management policy to modify and adapt standards and guidelines for transport infrastructure construction, maintenance and exploitation under different climatic scenarios, and contribute to improve environmental performance of the transport sector by the National Climate Change Policy (NCCP) 2021.</p> <p>The long hours of traffic congestion experienced on the road due to bad roads will increase vehicular movement and emissions; the high CO2 emission in the area will be reduced once the road is completed. Also, clearing bushes during the project can sometimes lead to deforestation, which contributes to GHG emissions due to the release of stored carbon in trees.</p>

3.	Contribution to Greenhouse gas emissions (GHG) emissions	Cassava production and processing generates large quantities of hazardous wastes and residues. Aside from the environmental hazards such wastes contributes to greenhouse gas (GHG) emission.
4.	Mitigation features that contribute to the transition towards a net-zero future	The project will undertake an innovative climate-smart intervention is to re-use the cassava peels in animal feeds. This reduces the demand for maize for feed, creates new business opportunities from wastes, reduces the hazards of the waste and reduces GHG emissions
For further information, refer to the Ebonyi State Public Private Partnerships Law No 003 and the Executive Order 005, or call the Customer Service Centre on 08064519230		

EBONYI STATE PROJECT CLIMATE SCREENING ASSESSMENT REPORT

Project: 100mw natural gas power plant

Location: Oferekpe, Ikwo LGA

Sector: Power

Value: 300,000 USD

DURATION/TIMEFRAME: 5 YEARS

SN	Assessment Domain	Remarks
1.	Primary purpose of the project	The purpose of the 100mw natural gas power plant in Ebonyi state is to enhance independent power supplies in the state through the generation of electricity by conversion of natural gas to electrical energy. Natural gas has been approved by the state government to be sourced from neighboring state.
2.	Alignment with the country's national climate-change mitigation and adaptation targets	The State Ministry of Environment, in collaboration with the State Ministry of Trade and Investment and Ministry of power and Energy, provided oversight to ensure the project aligns with the National Climate Change Policy Response and Strategy (2012), revised in 2021 https://climatechange.gov.ng/wp-content/uploads/2021/08/NCCP_NIGERIA_REVISED_2-JUNE-2021.pdf that include national climate mitigation strategy and flood management policy to modify and adapt standards and guidelines for transport infrastructure

		construction, maintenance and exploitation under different climatic scenarios, and contribute to improve environmental performance of the transport sector by the National Climate Change Policy (NCCP) 2021. Emissions control technologies such as scrubbers, catalytic converters will be deployed to mitigate the environmental impact
3.	Contribution to Greenhouse gas emissions (GHG) emissions	Natural gas power plants are widely accepted due to its lower greenhouse gas emissions compared to coal-fired power plants.
4.	Mitigation features that contribute to the transition towards a net-zero future	The project will undertake an innovative climate-smart intervention such as efficient combustion systems, sustainable resources extraction practices and responsible waste management and disposable practices aimed at reducing the hazards of the waste and reduces GHG emissions
<p>For further information, refer to the Ebonyi State Public Private Partnerships Law No 003 and the Executive Order 005, or call the Customer Service Centre on 08064519230</p>		
<p>EBONYI STATE PROJECT CLIMATE SCREENING ASSESSMENT REPORT</p>		
<p>Project: construction of green waste composting & pagath farm in Ebonyi state Location: Ezillo farm, Ishielu LGA Sector: Agriculture Value: N363,855,934.5 DURATION/TIMEFRAME: 5 YEARS</p>		
SN	Assessment Domain	Remarks
1.	Primary purpose of the project	The purpose of green waste composting & pagath farm in Ebonyi state is to build a robust machinery that diverts and converts organic waste from landfills to create a nutrient rich soil amendment by breaking down organic materials into valuable fertilizer, improving soil structure, fertility and overall health.
2.	Alignment with the country's national climate-change mitigation and adaptation targets	The State Ministry of Environment, in collaboration with the State Ministry of Trade and Investment and Ministry of Agriculture provided oversight to ensure the project aligns with the National Climate Change Policy Response and Strategy (2012), revised in 2021 https://climatechange.gov.ng/wp-content/uploads/2021/08/NCCP_NIGERIA_REVISIED_2-JUNE-2021.pdf

		that include national climate mitigation strategy and flood management policy to modify and adapt standards and guidelines for transport infrastructure construction, maintenance and exploitation under different climatic scenarios, and contribute to improve environmental performance of the transport sector by the National Climate Change Policy (NCCP) 2021.
3.	Contribution to Greenhouse gas emissions (GHG) emissions	It conserves natural resources and reduces the need for synthetic fertilizers and soil conditioners.
4.	Mitigation features that contribute to the transition towards a net-zero future	The project will support sustainable farming system that promotes eco-friendly farming practices, enhancing soil biodiversity and crop yields, supports urban agriculture and gardening by generating biogas (biomethane) for energy production and sustainable of nutrient rich soil for rural/urban gardens and green spaces
<p>For further information, refer to the Ebonyi State Public Private Partnerships Law No 003 and the Executive Order 005, or call the Customer Service Centre on 08064519230</p>		
<p>EBONYI STATE PROJECT CLIMATE SCREENING ASSESSMENT REPORT</p>		
<p>Project: development of plastic plates, chairs, bottles and caps manufacturing industrial hub in Ebonyi State Location: Ezzangbo, Ohaukwu LGA Sector: Agriculture Value: N1,499,000,000 DURATION/TIMEFRAME: 5YEARS</p>		
SN	Assessment Domain	Remarks
1.	Primary purpose of the project	The purpose of plastic production industry in Ebonyi state is the major purpose of creating a wide range of products, from packaging materials and disposable items to durable goods like automotive parts, building materials, household items medical devices and construction materials. The industry drives innovation that stimulates economic growth.
2.	Alignment with the country's national climate-change	The State Ministry of Environment, in collaboration with the State Ministry of Trade and Investment and Ministry of Commerce & Industry provided oversight

	mitigation and adaptation targets	to ensure the project aligns with the National Climate Change Policy Response and Strategy (2012), revised in 2021 https://climatechange.gov.ng/wp-content/uploads/2021/08/NCCP_NIGERIA_REVISED_2-JUNE-2021.pdf that include national climate mitigation strategy and flood management policy to modify and adapt standards and guidelines for transport infrastructure construction, maintenance and exploitation under different climatic scenarios, and contribute to improve environmental performance of the transport sector by the National Climate Change Policy (NCCP) 2021.
3.	Contribution to Greenhouse gas emissions (GHG) emissions	Plastic production contributes to climate change through the promotion of sustainable resource use and reducing dependency on fossil fuels.
4.	Mitigation features that contribute to the transition towards a net-zero future	The project will encourage extended producer responsibility of cleaner environment by producing design for recycling and reuse.
For further information, refer to the Ebonyi State Public Private Partnerships Law No 003 and the Executive Order 005, or call the Customer Service Centre on 08064519230		

EBONYI STATE PROJECT CLIMATE SCREENING ASSESSMENT REPORT

Project: revamping of Ebonyi State Building Materials, Ebonyi State
Location: Ezzangbo, Ohaukwu LGA
Sector: Industry
Value: N75,000,000
DURATION/TIMEFRAME: 5 YEARS

SN	Assessment Domain	Remarks
1.	Primary purpose of the project	Production of all kinds of building materials and all kind of civil engineering works. The industry provides a wide range of materials sch as lumber, wood,

		cements, concretes, steel, metals, insulation, windows, roofing sheets, plumbing, electrical and tiling.
2.	Alignment with the country's national climate-change mitigation and adaptation targets	The State Ministry of Environment, in collaboration with the State Ministry of Trade and Investment and Ministry of Commerce & Industry provided oversight to ensure the project aligns with the National Climate Change Policy Response and Strategy (2012), revised in 2021 https://climatechange.gov.ng/wp-content/uploads/2021/08/NCCP_NIGERIA_REVISED_2-JUNE-2021.pdf that include national climate mitigation strategy and flood management policy to modify and adapt standards and guidelines for transport infrastructure construction, maintenance and exploitation under different climatic scenarios, and contribute to improve environmental performance of the transport sector by the National Climate Change Policy (NCCP) 2021.
3.	Contribution to Greenhouse gas emissions (GHG) emissions	The industry will mitigate environmental impact through the adoption of green building standards such as LEED and by ensuring conservation in material sourcing and supply chains to address environmental and social concern.
4.	Mitigation features that contribute to the transition towards a net-zero future	The project will encourage recyclable materials by reusing and recycling programs in manufacturing and construction for sustainable environmental growth.
<p>For further information, refer to the Ebonyi State Public Private Partnerships Law No 003 and the Executive Order 005, or call the Customer Service Centre on 08064519230</p>		

EBONYI STATE PROJECT CLIMATE SCREENING ASSESSMENT REPORT

Project: establishment of lead pencil industry Ebonyi State
Location: Ikwo/Abakaliki LGA
Sector: Industry
Value: N38,534,916.00
DURATION/TIMEFRAME: 5 YEARS

SN	Assessment Domain	Remarks
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1.	Primary purpose of the project	The primary purpose of establishing lead pencil industry in the state is for the manufacturing and supply of writing and drawing materials for various applications. The lead pencil industry aims to produce high quality, durable and versatile writing and drawing instruments that meet the needs of various users, from students to professionals and cater for different educational purposes. The abundant of raw materials in the state will facilitate the production company.
2.	Alignment with the country's national climate-change mitigation and adaptation targets	The State Ministry of Environment, in collaboration with the State Ministry of Trade and Investment and Ministry of Commerce & Industry provided oversight to ensure the project aligns with the National Climate Change Policy Response and Strategy (2012), revised in 2021 https://climatechange.gov.ng/wp-content/uploads/2021/08/NCCP_NIGERIA_REVISED_2-JUNE-2021.pdf that include national climate mitigation strategy and flood management policy to modify and adapt standards and guidelines for transport infrastructure construction, maintenance and exploitation under different climatic scenarios, and contribute to improve environmental performance of the transport sector by the National Climate Change Policy (NCCP) 2021.
3.	Contribution to Greenhouse gas emissions (GHG) emissions	The industry will mitigate environmental impact through the adoption of green coating pencil materials and by ensuring conservation in material sourcing and supply chains to address environmental and social concern.
4.	Mitigation features that contribute to the transition towards a net-zero future	The project will enhances eco-friendly factors in manufacturing and construction for sustainable environmental growth.
<p>For further information, refer to the Ebonyi State Public Private Partnerships Law No 003 and the Executive Order 005, or call the Customer Service Centre on 08064519230</p>		