

PROJECT CLIMATE SCREENING ASSESSMENT REPORT

Project Name: Industrial City Masterplan and Policy Framework

Partnering Company: Artelia Consulting Engineers Limited (Former Mahindra)

Location: Anambra State

Sector: Industry

Value: US\$200,000

S/N	ASSESSMENT DOMAIN	REMARKS
1	Primary Purpose of the project	Development of an industrial city masterplan and policy framework for a mixed-used industrial city in Anambra State
2	Alignment with the country's national climate-change mitigation and adaptation targets	The Anambra State Ministry of Industry, in collaboration with the State Ministry of Environment, has overseen the project to ensure its alignment with the national climate-change mitigation and adaptation targets. This project aligns with Nigeria's Climate Action Plan (NCCP, 2021), aiming to integrate climate-resilient features into urban development. The masterplan for the industrial city incorporates climate-resilient infrastructure, efficient land-use planning, and sustainable resource management practices, as outlined in the national climate policies. Moreover, the project seeks to promote eco-friendly industries, encourage green technologies, and integrate nature-based solutions into the city's design to mitigate climate risks and adapt to changing environmental conditions.
3	Contribution to Greenhouse Gas (GHG) emissions	The development of the industrial city masterplan and policy framework in Anambra State is anticipated to have a multifaceted impact on GHG emissions. While the construction phase might lead to temporary emissions due to machinery usage, transportation, and material production, the long-term effect aims to mitigate overall GHG emissions. The project's design emphasizes the promotion of sustainable practices, including the incorporation of energy-efficient infrastructure, encouragement of green industries, and implementation of waste management systems to minimize emissions. Additionally, the shift towards a mixed-use industrial city, with emphasis on eco-friendly technologies and efficient transportation networks, is expected to significantly reduce emissions associated with traditional industrial zones over time.
4	Mitigation features that contribute to the transition towards a net-zero future	To transition towards a net-zero future, the industrial city masterplan incorporates several mitigation features and strategies. These include the adoption of renewable energy sources for industrial operations, the implementation of green building standards, and the establishment of sustainable transportation systems within the city. Moreover, the project emphasizes the creation of green spaces, afforestation initiatives, and the integration of natural habitats to enhance carbon sequestration and biodiversity. The policy framework also supports initiatives to reduce waste generation, promote circular economy

practices, and incentivize industries to adopt cleaner production methods. By prioritizing sustainability, the project aligns with the State's commitment to achieving a net-zero carbon footprint, fostering a resilient and environmentally friendly industrial city by 2050.

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