

BAUCHI STATE PPP PIPELINE PROJECTS 2023

SN	NAME	SECTOR	STAGE	CONTRACTING AUTHORITY	AMOUNT
1	YANKARI GAMES RESERVE	TOURISM AND HOSPITALITY	IMPLEMENTATION	MINISTRY OF TOURISM AND CULTURE	NGN7.6Billion
2	IMPROVEMENT OF SUMU WILD PARK	TOURISM AND HOSPITALITY	IMPLEMENTATION	MINISTRY OF TOURISM AND CULTURE	NGN 4Billion
3	UPGRADE OF SPORTING AND ENTERTAINMENT FACILITIES IN BAUCHI (ABUBAKAR TAFAWA BALEWA STADIUM, GAMES VILLAGE AND MULTI-PURPOSE SPORT HALL)	SPORTS	IMPLEMENTATION	MINISTRY OF YOUTH AND SPORT DEVELOPMENT AND AFRICAN ATHLETES ACADEMY (3As) LTD	NGN17Billion
4	DEVELOPMENT OF BAUCHI – GOMBE STATES LIAISON OFFICE PROPERTY IN VICTORIA ISLAND LAGOS	COMMERCIAL	IMPLEMENTATION	MINISTRY OF COMMERCE, INDUSTRY & INVESTMENT, STATE INVESTMENT CORPORATION OF BAUCHI & GOMBE STATES AND EAGLE TRACK LOCAL CONTENT NIG. LTD	NGN5.0Billion
5	CONSTRUCTION OF MULTI STOREY BUILDING AT CBD ABUJA	COMMERCIAL	IMPLEMENTATION	MINISTRY OF COMMERCE, INDUSTRY & INVESTMENT, BAUCHI INVESTMENT	NGN4.4Billion

				CORPORATION AND EAGLE TRACK LOCAL CONTENT NIG. LTD	
6	UPGRADING OF NATIONAL MUSEUM BAUCHI	TOURISM AND HOSPITALITY	IMPLEMENTATION	NATIONAL MUSEUM, MINISTRY OF TOURISM AND CULTURE	NGN1.1Billion
7	EXPANSION OF BAUCHI CENTRAL MARKET	COMMERCIAL	IMPLEMENTATION	BAUCHI MARKETS AND TERMINALS, MINISTRY OF COOPERATIVES & SMEs DEVELOPMENT AND GRYNBRICKS & TECH.	NGN7Billion
8	DEVELOPMENT OF GALAMBI CATTLE RANCHING COMPANY LTD	AGRICULTURE	IMPLEMENTATION	MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT, BAUCHI MARKETS AND TERMINALS, MINISTRY OF COOPERATIVES & SMEs DEVELOPMENT AND MODERN SHELTERS LTD AND BAUCHI INVESTMENT CORPORATION (BIC)	NG980Million
9	REMODELLING OF MUDALAWAL MARKET	COMMERCIAL	IMPLEMENTATION	BAUCHI MARKETS AND TERMINALS, MINISTRY OF COOPERATIVES & SMEs DEVELOPMENT AND BILAAD REALTY	NGN9Billion
10	RECONSTRUCTION OF GAMES VILLAGE	SPORTS	IMPLEMENTATION	MINISTRY OF YOUTH AND SPORT DEVELOPMENT AND AFRICAN ATHLETES ACADEMY (3As) LTD	NGN4Billion

CLIMATE SCREENING ASSESSMENT SUMMARY

(Climate Adaptation and Mitigation for Infrastructure Projects in Bauchi St.)

Climate Screening Assessment addressing climate adaptation and mitigation considerations for the listed infrastructure proposals. This screening helps identify potential climate risks and integrates measures to enhance climate resilience and reduce greenhouse gas (GHG) emissions in project planning.

1. Establishment of Modern Vehicle Inspection Centres

Climate Risks & Adaptation:

- Heatwaves and extreme temperatures could affect inspection equipment and electronic systems.
- Local flooding may disrupt access roads.

Adaptation Measures

- Elevated structures with proper drainage design.
- Heat-resistant roofing materials and passive cooling in buildings.
- Install solar-powered canopies or backup systems.

Mitigation Measures:

- Use of energy-efficient equipment.
- Solar PV panels for power supply.
- Promote low-emission vehicle testing protocols.

2. Construction of Multistorey Shopping Mall – Central Business District, Abuja

Climate Risks & Adaptation:

- High urban heat island effect in Abuja.
- Flash flooding during intense rainfall.

- Water scarcity during dry season.

Adaptation Measures:

- Green roofing and reflective materials to reduce heat buildup.
- Rainwater harvesting and storage systems.
- Flood-resilient underground parking design and sump pumps.

Mitigation Measures:

- Energy-efficient HVAC systems (e.g., inverter A/Cs).
- Smart lighting and energy monitoring.
- Use of renewable energy (e.g., rooftop solar).
- Encourage tenants to adopt eco-friendly practices.

3. Construction & Remodeling of Modern Market – Azare, Bauchi

Climate Risks & Adaptation:

- Vulnerability to seasonal flooding.
- Dust storms and desertification risk due to Sahel proximity.

Adaptation Measures:

- Use of permeable pavements to reduce runoff.
- Windbreaks or tree planting around the market.
- Market shelters with proper ventilation and rain shielding.

Mitigation Measures:

- Use of local building materials to reduce carbon footprint.
- Promote non-motorized access and bicycle parking.

- Solar-powered lighting and water pumps.

4. Expansion of Bauchi Central Market, Bauchi

Climate Risks & Adaptation:

- Urban flooding risk due to poor drainage infrastructure.
- Heat stress for traders and customers.

Adaptation Measures:

- Climate-smart drainage upgrades.
- Heat-reflective roofing and shaded walkways.
- Waste management system to prevent clogging of drains.

Mitigation Measures:

- Introduce solar lighting and energy-efficient appliances.
- Encourage energy-efficient stalls and vendor kiosks.
- Integration of tree-lined perimeters.

5. Remodeling of Mudalawal Market, Bauchi

Climate Risks & Adaptation:

- Flash floods and waste-related drainage problems.
- Risk of building deterioration due to prolonged exposure to heat and rain.

Adaptation Measures:

- Flood-proofing through elevated platforms.
- Use of durable, weather-resistant construction materials.

Mitigation Measures:

- Solar-powered streetlights and vendor lighting.

- Encourage recycling and composting systems within the market.

6. Reconstruction of Games Village Complex, Bauchi

Climate Risks & Adaptation:

- Intense rainfall could damage sports infrastructure.
- Rising temperatures may reduce usability of outdoor spaces.

Adaptation Measures:

- Raised platforms, drainage systems, and climate-resilient landscaping.
- Use of water-efficient irrigation for green areas.

Mitigation Measures:

- Use of solar panels for floodlights and facilities.
- Energy-efficient building designs for hostels, offices, and gyms.

7. Upgrade and Remodeling of Zaranda Hotel, Bauchi

Climate Risks & Adaptation:

- Water scarcity and unreliable electricity supply.
- Risk of increased cooling demands due to rising temperatures.

Adaptation Measures:

- Water-saving plumbing fixtures and borehole backup.
- Improve insulation and use passive cooling design techniques.

Mitigation Measures:

- Install solar panels and solar water heating.
- Use of inverter-based HVAC and energy-saving lighting.

- Train hotel staff on green building operations

General Recommendations Across All Projects

Area	Adaptation	Mitigation
Design	Climate-resilient infrastructure (e.g. drainage, materials)	Energy-efficient, low-carbon materials
Energy	Power backup systems for extreme weather events	Solar and smart energy systems
Water	Rainwater harvesting, flood control	Water-saving devices
Mobility	Accessibility in extreme weather	Promote non-motorized transport and EVs
Waste	Flood-proof solid waste management	Recycling infrastructure
Awareness	Climate risk education for stakeholders	Green building certification (e.g. EDGE)

Conclusion, Climate Screening Assessment

The proposed infrastructure developments across Bauchi and Abuja, ranging from modern markets to vehicle inspection centres and hospitality upgrades, offer significant economic and social benefits. However, they also face increasing climate risks such as flooding, extreme heat, water scarcity, and urban environmental pressures.

To ensure sustainability, each project must integrate climate adaptation and mitigation measures early in the design and construction phase. Adaptation strategies such as flood-resilient infrastructure, heat-mitigating designs, and water conservation systems are crucial to protect investments and ensure long-term usability. Meanwhile, mitigation actions like energy-efficient systems, renewable energy integration, and use of low-carbon materials will help reduce each project's carbon footprint.

In conclusion, by mainstreaming climate resilience into these projects, the implementing authorities and partners will not only safeguard infrastructure and livelihoods but also align with Nigeria's commitments under the Paris Agreement, Nationally Determined Contributions (NDCs), and the Sustainable Development Goals (SDGs). These efforts will ensure that the investments are climate-smart, inclusive, and future-proof.

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