# Documents for the Climate Screening of Public Private Partnership (PPP) Office Pipeline Projects.

## Sponsoring MDA:

*Ministry of Business, Trade & Cooperative (MBTC), Project:*

1. *Benin Enterprise Park (BEP)*
2. *Benin River Port (BRP)*
3. *Waste Management Infrastructure*

## Screened and compiled by

Department of Environmental Assessment and Climate Change (DEAC),

Ministry of Environment and Sustainability.

## File No.:- MES/E.479/T[5]

PROJECT :

*BENIN ENTERPRISE PARK (BEP)*

PROJECT DESCRIPTION:

*BENIN ENTERPRISE PARK (BEP) IS EXPECTED TO HAVE STATE*

*OF THE ART INFRASTRUCTURE INCLUDING GENERAL*

*INFRASTRUCTURE SUCH ASSITE GRADING, ROADS, POWER,*

*WATER, COMMUNICATIONS, DRAINAGE,SEWERAGE,SEWAGE*

*TREATMENT PLANT,STORM WATER DRAINS, RAIN WATER*

*HARVESTING,FIREFIGHTING STATION E.T.C AND SPECIALIZED*

*INFRASTRUCTURE SUCH AS QUALITY CONTORL LABS,*

*QUALITY CERTIFICATION CENTERS, RAW MATERIAL STORAGE,*

*E.T.C.FURTHERMORE, A STATE OF THE ART ENVIRONMENTAL*

*INFRASTRUCTURE SHALL ALSO BE CREATED TO ENSURE*

*ENVIRONMENTAL SUSTAINABILITY.***PROJECT SECTOR:**

*INDUSTRIAL SECTOR IN EDO STATE*

## BUDGET ESTIMATE FOR PROJECT:

$3,000,000,000.00 USD (Three Billion Dollars)

## PROJECT TIMELINE:

NOT LESS THAN 50YEARS.

## PROJECT LOCATION:

## *IKPOBA – OKHA LOCAL GOVERNMENT AREA, EDO STATE,*

The sizeof projectareais996.71 hectares of land,and is identified in Ikpoba –

Okha Local Government Area under the jurisdiction of Agbonmoba village in

Ikpoba – Okha Local Government Area. The site is abuttingthe Benin – Sapele

Road highwayand is located approximately 23kms from the capital city, Benin

Cityand 360kms from the economic capital city – Lagos, wherein the

international airport is alsolocated. The site for the BEP is located between the

latitudes06 o 06’31.2694

”

N to06 o 08

’

46.9702

”

N and longitudes 5 o 37
'

23.2216” E to5

o

39

'

11.0411” E. The topographyof the site varies from +42m to+64m with even

and moderately slopingterrain from northeast to southwest.

## PROJECT PHASE/STAGE:

*Project isat Phase I development period (415.19 Ha) 1 st & 2 nd year*

## SPONSORING MDA:

*MINISTRY OF BUSINESS, TRADE AND INVESTMENT*

## PRIMARY PURPOSE OF BENIN ENTERPRISE PARK:

The proposed BEP is to devise a world class ecosystem where

raw material suppliers, processors, marketing institutions,

exporters, research institutions, industrial bodies, government

etc. are engaged in a seamless manner for sustainable industrial

developmentboth in Edo State and the Countryat large.**State Action for Business Enabling Reform**

**(SABER) requirements for Benin Enterprise Park**

1.Dothe project’ s specificgoals align with the country ’ s national

climate – change mitigation and adaptation targets?

BEP is expected toSupport Nigeria Climate-Change Mitigation and

adaptation objective through its design and Operational Standards

by promoting Clean Industrialgrowth, efficient utilization of energy

and adoptingrenewable energy solution while circular economy

practicesand sustainable Infrastructure development is expected to

be structured alongthe National Development Plan.

2. Do the projects contribute to negative, zero or very low greenhouse

gas (GHG) emissions?

BEP is expected tocontribute to very low greenhousegas (GHG)

emission if all climate smart infrastructure/clean energy strategies

are maintained within the workplan/guidelinesof the project designand execution.For which the project demonstrates that the pathway

to net Zerogrowth isalready taken.

3. Does the project incorporate mitigation features that contribute to

the transition towards a net – zero future?

BEP is incorporating mitigation measuresand supporting

Nigerian net zero future with integratingrenewable energy system

such as solar power installations, energy efficient naturalgas use,

buffer zones with trees,greeningand afforestation.

Eco-friendly water and waste management systems, and promotion

of low-carbon technologies amongtenant industries. Circular

economy measures — particularly **waste-to-energy conversion,**

**resource recovery, and recyclingfacilities** — further reduce lifecycle

emissionsand promote industrial sustainability.**PROJECT :**

*BENIN RIVER PORT AND ACCESS ROAD*

**PROJECT DESCRIPTION:**

*BENIN RIVER PORT AND ACCESS ROAD consistof three parts: the*

*port, the channeland theaccess road. The channel projectand the*

*access road projectare used as supporting projects for the project to*

*meet the transportation of port cargo. The dockberths isa one – line*

*layoutand two 5000DWT multi – purposeberths thatarearranged*

*alongthe shorelineof the dock. Bandwidth of the front workingarea*

*of the wharf is 30m. It connects the rear land area through two180m*

*longand 9m wideapproach bridges. The container yards,general*

*yards, warehousesand auxiliary construction areasarearranged*

*from the south to the north in the rear land area.*

**PROJECT SECTOR:**

*INDUSTRIAL SECTOR IN EDO STATE***BUDGET ESTIMATE FOR PROJECT:**

**$584,511,961.00 USD** (Five hundred & eighty-four million,Five

hundred & eleven thousand, Nine hundred & Sixty -one Dollars)

**PROJECT TIMELINE:**

NOT LESS THAN 50YEARS.

**PROJECT LOCATION:**

*The Port Project is located at the junction of the Benin Riverand Osse*

*River 50km from Benin Cityat Gelegele, Ovia North – East Local*

*Government Area in EdoState.*

**PROJECT PHASE/STAGE:**

*Project isat Phase I ConceptualStageof which feasibility studiesand*

*EnvironmentalSocial Impact Assessment (ESIA) havebeen*

*completed.*

**SPONSORING MDA:**

*MINISTRY OF BUSINESS, TRADE AND INVESTMENT***PRIMARY PURPOSE OF BENIN RIVER PORT:**

*Benin River Port (BRP) project is partof the industrialization*

*commitmentof Edo State Government to improve water*

*transportation activities through the economic developmentof*

*port- related industries in theState*

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*T*

*he construction of Benin*

*River Port is expected tobecomea scheduled Portoforigin and*

*destination for cargoes (especiallyagriculturalones)bound for*

*the southern partsof Nigeria while enhancingthe social*

*stabilityof theState via its economic development.***State Action for Business Enabling Reform**

**(SABER) requirements for Benin River Port**

1.Dothe Benin River Port project’ s specificgoalsalign with the

country ’ s national climate – change mitigation and adaptation

targets?

The Benin River port would align with the national adaptation and

mitigation strategies if construction practices are environmentally

friendly, with efforts made at reducinggreenhousegas emissions

duringconstruction activities and promotingenergy efficiency with

the incorporation of renewable energy sources like solar panel

installation at port facilities, this would definitely align with Nigeria ’ s

mitigation efforts.

Resilience toclimate change impacts in Nigeria, due to the country ’ s

vulnerability to flooding, coastal erosion, extreme heat, and wind

storms,amongother challenges, requires that the projectbe designed

with some adaptation strategies. Such strategies include resilientinfrastructure and the development of flood defenses through highly

technical designsof flood channels with elevated structures.

Protectingthe local aquatic ecosystem and natural floodplains iskey

toadaptation strategies and environmental resilience.

2. Do the Benin River port project contribute to negative, zero or very

low greenhousegas (GHG) emissions?

Potential GHG Emissions for the Benin River Port Project is expected

tobe high at the construction phase as it is traditionallyknown that

construction activities expected to involve land clearing, dredgingof

the river, heavy machinery operation and infrastructure assembly,

are all energy intensive and are diesel fuel driven with high

greenhousegas emission expected.3. Does the River Port project incorporate mitigation features that

contribute tothe transition towards a net – zero future?

The utilization of renewable energy sources and electrification of

most of the port operations is expected tocontribute to the transition

towards net – zero prospectby the management of the port which

aligns with the national transition toward net-zero.**PROJECT :**

*FEASILIBILITY STUDY ON WASTE MANAGEMENT*

*INFRASTRUCTURE IN EDO STATE.*

**PROJECT DESCRIPTION:**

*COLLECTION AND UPLOADING OF BASELINE DATA ON WASTE*

*AND WASTE MANAGEMENT INFRASTRUCTURE ACROSS THE*

*STATE WITH A VIEW AT ASSESSING THE EXTENT TO WHICH*

*THE PRIVATE SECTOR HAS CONTRIBUTED IN MANAGING*

*WASTE PROJECTS IN THE STATE.*

**PROJECT SECTOR:**

*ENVIRONMENT AND WASTE MANAGEMENT SECTOR IN EDO*

*STATE***BUDGET ESTIMATE FOR PROJECT:**

**100,000,000 Naira (**One hundred million naira only)

**PROJECT TIMELINE:**

6months

**PROJECT LOCATION:**

*Covers the entireState.*

PROJECT PHASE/STAGE:

*25% completed.*

SPONSORING MDA:

*EdoState Waste Management Board.*

PRIMARY PURPOSE OF FEASILIBILITY STUDY ON

WASTE MANAGEMENT INFRASTRUCTURE IN EDO

STATE.

*The primary purpose of the project is to conduct a feasibility*

*study that will provide the State with baseline data necessary to*

*determine the best options for private sector investments towards an efficient waste management system, with a view to*

*attract the much-needed private investments in the sector.*

State Action for Business Enabling Reform

**(SABER) requirements for Feasibility Study on**

**Waste Management Infrastructure in Edo State**

1. Do the *Feasibility Study on Waste Management Infrastructure*

*In Edo State* project' s specific goals align with the country ' s

national climate – change mitigation and adaptation targets?

The project is expected to state necessary steps required to

mainstream climate smart activities into waste management in the

State such, adopting and enhancing circular economy in the State.

2. Do the *Feasibility Study on Waste Management Infrastructure*

*in Edo State* project contributes to negative, zero or very low

Green house gas (GHG) emissions?

The project is expected to contribute to very low green house gas

(GHG) emissions in the state through the utilization of methane accumulated at dumpsite or landfill for energy generation,

separation of the waste at source and the eventual energy

efficient infrastructure at various waste management facilities

across the State.

3. Does the River Port project incorporate mitigation features that

contribute tothe transition towards a net – zero future?

The study ’ s out come is expected to have guidelines for net - zero

future plan, if energy utilization is optimized by the use of

energy efficient vehicles such as Compressed Natural Gas fuel or

electric driven trucks and compactors for waste evacuation

while solar energy or clean energy is used in powering offices at

dumpsites, landfills and administrative blocks.