

On behalf of:



of the Federal Republic of Germany



giz Deutsche Gesellschaft
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Zusammenarbeit (GIZ) GmbH



State Pollution Control Board, Odisha
ରାଜ୍ୟ ପ୍ରଦୂଷଣ ନିୟନ୍ତ୍ରଣ ବୋର୍ଡ଼, ଓଡ଼ିଶା



Establishing a Low Emission Zone (LEZ)

Stakeholder Consultation Workshop

Ekamra Kshetra Bhubaneswar



**Monday,
July 10th 2023**



10:30 AM



**State Convention
Centre, Bhubaneswar
Odisha**

*An initiative under the National
Clean Air Programme (NCAP)*



Establishing a Low Emission Zone (LEZ)

at Ekamra Kshetra, Bhubaneswar

An initiative under the National Clean Air Programme

Stakeholder Consultation Workshop

10 July 2023 | Time: 10:30- 13:30 hrs IST | Venue: State Convention Center, Bhubaneswar

Introduction

To address the air pollution problem in India, the Government of India through its Ministry of Environment, Forest, and Climate Change (MoEFCC) launched 'National Clean Air Programme' (NCAP) in January 2019 as a national-level strategy to achieve the national level target of 40% reduction in air pollution. Under NCAP, 131 cities (123 non- attainment cities and 8 cities under Fifteen Finance Commission) are being targeted for improving air quality based on non-conforming to National Ambient Air Quality Standards (NAAQS) consecutively for five years and these cities have consequently developed their air Action Plans for improving air quality. The city of Bhubaneswar is one of the non- attainment cities under NCAP. The Clean Air Action Plan of Bhubaneswar prepared by the Forest, Environment & Climate Change department, Government of Odisha, and the Odisha State Pollution Control Board (OSPCB), points out traffic congestion and poor fuel quality as important attributes to air pollution in the city.

The old town area of Bhubaneswar surrounding the Lingaraj Temple is a congested area and contributing significantly to the air pollution within the city. Therefore, the 'Ekamra Kshetra' in Bhubaneswar has been chosen to be developed as a Low Emission Zone (LEZ). This zone earmarked for LEZ is expected to have multiple clean air measures in an integrated manner to have a holistic effect in reducing air pollution.

Low Emission Zones Worldwide

A Low Emission Zone (LEZ) is an area within which certain activities are regulated to improve the air quality of the specified site. LEZs have been successfully implemented in more than 250 cities across the globe by focusing on restricting vehicular movement and contributing towards improvement of air quality in the urban areas. The approach in these LEZs include:

- Creation of Low Emission Zones (LEZ) which are area-based; some are targetting specific streets and motorways based.
- Urban Toll Schemes / Congestion Charging (CS) are usually area-based, but some individual streets/bridges or point-based.
- Creation of Vehicle Free Zones or Zero Emission Zones (ZEZ) which are area-based where there is total restriction on entry of vehicles.
- Creation of Vehicle Restriction Zones (VRZ) wherein movement is restricted on specific streets and roads for limited period of a day.

The approach followed globally mostly includes measures related to traffic and transportation.

However, for the proposed Low Emission Zone (LEZ) at Ekamra Kshetra in Bhubaneswar, an integrated approach is considered covering various sectors of relevance so that air pollution reduction can be achieved holistically.

About Ekamra Kshetra LEZ

The Odisha State Pollution Control Board (OSPCB) had developed a concept in the year 2021 for the development of this LEZ with the vision:

“To provide the citizens of Bhubaneswar and the visitors to the city with clean air for better health and improved quality of life, through eco-sensitive planning, without compromising employment growth, and ensuring preservation of diverse historical and cultural heritage.”

GIZ has further elaborated this concept in 2022-23 under the Indo German Development Cooperation project on “Reduction of Air Pollution in Selected Indian Cities”.

The technical proposal for establishing a Low Emission Zone (LEZ) at Ekamra Kshetra in Bhubaneswar, based on the OSPCB concept, has been prepared by GIZ team based on the study undertaken by its consultants M/s IPE Global.

The boundary of the Ekamra Kshetra LEZ covers an area of 4.5 sq. km. The City Development Plan (CDP) for Bhubaneswar – 2030 further divides the Ekamra Kshetra into three parts. The outer core which covers an area of 2 sq. km., central core which covers an area of 2 sq. km. and the inner core which covers an area of 0.5 sq. km. The famous Lingaraj Temple, which is the major tourist attraction of the Ekamra Kshetra is located inside the Inner core of the heritage zone.

The proposed LEZ in Bhubaneswar aims to provide an integrated solution within the selected zone by addressing all key aspects such as land use planning and management, traffic and transportation solutions, waste management solutions to prevent burning and dumping, uninterrupted power supply and inclusion of renewable energy systems to prevent the use of diesel generators, plantations and landscaping etc. This approach is expected to provide a holistic effect for reduction of air pollution.

The major objective of establishing this LEZ is to ensure that the air pollution reduction is achieved through participation of citizens living within the zone as well as the floating population coming into the zone. Therefore, OSPCB together with GIZ is conducting stakeholder consultations with key stakeholders to take their feedback and suggestions for the proposed solutions for establishing this LEZ at Ekamra Kshetra, Bhubaneswar.

A detailed report has been brought out by GIZ, which majorly contains:

- Situation analysis
- Solutions for implementation
- Implementation (business) models

At this stage, Odisha SPCB is initiating a consultation process with the relevant departments through a ‘Stakeholder Consultation Workshop’ to take their inputs and feedback for finalizing the recommendations and checking on the feasibility of implementation.



About the Stakeholder Consultation Workshop

The half-day Stakeholder Consultation Workshop on 'Establishing a Low Emission Zone (LEZ) at Ekamra Kshetra' will be held with the key stakeholder departments of the Government of Odisha, including city administrators from Bhubaneswar, various sectoral departments and other relevant agencies. The purpose of the workshop is:

- » To share the details of the proposed LEZ at Ekamra Kshetra
- » Take inputs and suggestions on the proposed solutions
- » To gather inputs on implementation by various concerned departments and agencies of the Government of Odisha
- » To plan next steps

Date and Venue

The half-day Stakeholder Consultation Workshop on 'Establishing a Low Emission Zone (LEZ) at Ekamra Kshetra', will be held on 10th July 2023 at the State Convention Center, Bhubaneswar Bhubaneswar from 10:30 hrs – 13:30 hrs IST followed by lunch.

Participants

The event is expected to have participants from the following organizations:

- a) Government of India
 - Ministry of Environment, Forest & Climate Change, Government of India (NCAP Team)
 - Central Pollution Control Board (NCAP Team)
 - Archaeological Survey of India (ASI)
- b) State Government of Odisha
 - Forest, Environment and Climate Change Department, Government of Odisha
 - Housing and Urban Development, Government of Odisha
 - State Pollution Control Board, Odisha
 - Representative of relevant departments in Bhubaneswar- Transport, Traffic, Tourism, Power, Heritage, Archaeology etc.
- c) City/local authorities of Bhubaneswar
 - Bhubaneswar Development Authority
 - Municipal Commissioner, Bhubaneswar Municipal Corporation
 - Capital Region Urban Transport (CRUT), Government of Odisha
- d) Others
 - Odisha Bridge and Construction Company Limited (OBCC)
 - Research organizations - IIT Bhubaneswar, ARAI
 - Lingaraj Temple Trust
 - GIZ Clean Air Team, New Delhi
 - IPE Global (GIZ Consultants)



Programme Schedule

10:00 - 10:30 hrs	Arrival of guests and participants and welcome tea
10:30 - 11:30 hrs	Welcome address and opening remarks
	Welcome address by Dr. K. Murugesan, IFS Member Secretary, State Pollution Control Board, Odisha
	Presentation on Low Emission Zone: Ekamra Kshetra The Need Dr. N. R. Sahoo Chief Environmental Engineer, OSPCB
	Presentation on Low Emission Zone: Ekamra Kshetra Situation Analysis Ms. Simar Kindra Junior Urban & Regional Advisor, GIZ
	Presentation on Low Emission Zone: Ekamra Kshetra Proposed Solutions Shri Raghu Babu Nukala Programme Director, GIZ
11:30 – 12:45 hrs	Round Table Discussion
	Address by Shri Satyabrata Sahu, IAS Addl. Chief Secretary, FE&CC, Govt. of Odisha
	Address by Shri Balwant Singh, IAS Vice Chairman, BDA
	Address by Shri Vijay Amruta Kulange, IAS Commissioner, BMC
	Address by Shri A. T. Mishra, IFS Addl. PCCF, MoEF&CC, Government of India,
	Address by Shri Sachin Ramchandra Jadhav, IAS Commissioner-cum-Director, Tourism Department, Odisha
	Address by Shri Sangramjit Nayak, IAS Director Municipal Administration
	Address by Shri Amitabh Thakur, IPS Transport Commissioner-cum-Chairman, STA
	Address by Smt. Sulochana Das, Mayor Bhubaneswar Municipal Corporation
	Open house discussion
12:45 - 13:30 hrs	Closing Session
	Closing remark and vote of thanks by Director, Municipal Administration
	Closing remark and vote of thanks by Member Secretary, State Pollution Control Board
13:30 hrs onwards	Lunch