

# **Mira Bhayander Municipal Corporation**

## **Public Relation Department**

### **Pressnote**

- **Mira Bhayander to Reduce Carbon Emissions Climate Action Plan Announced at Climate Action Workshop**

Bandra, Mumbai, January 29, 2025: In a significant step toward controlling pollution and achieving net-zero carbon emissions by 2047, the Mira Bhayander Municipal Corporation (MBMC) has launched a well-structured Climate Action Plan. This initiative was officially unveiled at the Climate Action Workshop on Wednesday, January 29, 2025, in collaboration with the Aga Khan Agency for Habitat (AKAH).

#### **Urban Expansion and Climate Challenges**

Mira Bhayander is among the fastest-growing cities in the Mumbai Metropolitan Region (MMR). Between 2005 and 2022, the city's built-up area expanded by 50.05%, while green cover declined by 13.6%. This urban sprawl has led to a 0.46°C rise in annual temperatures, intensifying challenges such as flooding, water scarcity, and traffic congestion. A Greenhouse Gas (GHG) assessment revealed that 62% of carbon emissions originate from stationary energy sources, 22% of emissions are due to transportation, and 16% of emissions stem from waste management. To combat these issues, the Mira Bhayander Municipal Corporation is actively working on comprehensive solutions. The Climate Action Plan is a key milestone in this effort, developed in partnership with the Aga Khan Agency for Habitat. The Innovation Cell and CEGP Foundation have contributed as knowledge partners to this ambitious initiative.

#### **Core Strategies of the Climate Action Plan**

The Climate Action Plan is designed to transform Mira Bhayander into a sustainable and resilient city by 2047. The plan prioritizes energy management and renewable energy generation, water conservation and flood mitigation, urban greening and biodiversity preservation, improved air quality and waste management, and sustainable transportation and mobility solutions. Additionally, the plan aligns with the Central Electricity Authority's target to reduce emissions by 23% and aims to increase carbon sequestration by 41% through enhanced green cover.

#### **Innovative Housing Model to Reduce Emissions**

Residential energy consumption accounts for 40.5% of emissions in Mira Bhayander. To tackle this, the Mira Bhayander Municipal Corporation conducted a pilot project at Navjivan Housing Society, successfully reducing emissions by over 60%. This was achieved through the installation of Solar PV (Photovoltaic) Systems for energy generation, energy-efficient BLDC fans and LED lights to cut power usage, and water-saving appliances to optimize consumption. Following the success of this model, it will now be implemented citywide to create a more energy-efficient housing sector.

### Climate Action Workshop and Key Stakeholders

The Climate Action Plan was officially announced on January 29, 2025, at the Climate Action Workshop, attended by prominent policymakers, industry experts, and sustainability leaders. Key dignitaries included Praveen Pardeshi (IAS), CEO, Maharashtra Institution for Transformation (MITRA); Bipin Shrimali (IAS), Managing Director, MAHAPREIT; and Prerana Langa, CEO, Aga Khan Agency for Habitat. The event also saw participation from Kalpita Pimple, Deputy Commissioner (HQ), MBMC; Prasad Shingte, Deputy Commissioner, MBMC; Deepak Khambit, City Engineer, MBMC; Vasudev Shirvalkar, Municipal Secretary; and Sudhir Nakadi, Chief Auditor. Additionally, representatives from corporate CSR divisions, environmental think tanks, and global organizations such as Maharashtra State Climate Action Cell, C40 Cities, and the United Nations Human Settlements Program (UN-Habitat) were present.

Mumbai and its satellite cities are facing growing urban challenges. When compared to other global cities, Mumbai has the highest green cover. Yet, it ranks among the top cities for air pollution, primarily due to vehicular emissions. Changing public mindset and enforcing sustainable policies is the need of the hour. Our commitment to well-planned, actionable strategies will drive Mumbai toward a sustainable future. Praveen Pardeshi (IAS), CEO, MITRA.

Mira Bhayander is taking proactive steps toward sustainable urban development. Through the City Climate Action Plan, we aim to introduce eco-friendly practices that integrate seamlessly into daily life. Initiatives like Home@20, designed to curb emissions at the household level, will play a crucial role. The success of these interventions will set a benchmark for sustainable urban transformation. Sanjay Shripatrao Katkar (IAS), Commissioner & Administrator, MBMC.

Mira Bhayander's Climate Action Plan marks a major step toward environmental sustainability and urban resilience. By focusing on energy efficiency, waste reduction, and

green infrastructure, the city is setting an example for other rapidly growing urban centers in India. With the combined efforts of the government, private sector, and citizens, Mira Bhayander is poised to become a model city for climate-conscious development by 2047.