

Community Development Report: Mormugao Port Authority

For Submission to IAPH 2025 Sustainability Awards – Community Building Category

Award Category: Community Building

Title: **Mormugao Port: A Catalyst for Regional and Community Growth**

Executive Summary

Mormugao Port, established in 1885, stands as a vital economic engine for Goa and the Konkan region. Over its 140-year history, the port has prioritized community development, integrating local needs and sustainable practices into its growth strategy. Through targeted investments, collaborative projects, and social initiatives, Mormugao Port has become a catalyst for socio-economic advancement, supporting livelihoods, improving infrastructure, and fostering inclusive prosperity for its surrounding communities

1. Introduction

Mormugao Port Authority recognizes that ports are not just gateways for trade but also engines for regional and community development. The port's community initiatives align with the United Nations Sustainable Development Goals (SDGs) and the objectives of the World Ports Sustainability Program (WPSP), focusing on empowering local stakeholders, promoting social inclusion, and delivering tangible benefits to the people of Goa.

2. Community Development Initiatives

A. Community Building and Education

- **Educational Institutions:**
- The Mormugao Port Authority (MPA) administers the Mormugao Port Trust Education Society (MPTES), which operates Deepvihar Primary School, Deepvihar Secondary School, and Deepvihar Higher Secondary School. Since 1981, MPTES has empowered over 60,000 students from the local community and port employees by delivering high-quality education.

- These schools boast modern facilities, including internet connectivity, computer labs, playgrounds, and indoor courts, all housed within spacious buildings on the port campus. The port administration oversees the construction and maintenance of these infrastructures, ensuring an optimal learning environment.
- Beyond academics, MPTES champions vocational and extracurricular programs, offering courses in music, dance, computer skills, and career development at concessional rates for both port and non-port children. This comprehensive initiative demonstrates MPA's commitment to community upliftment and its pivotal role in fostering educational and social growth in the region.



- **Inclusive Education:**
- MPA's support for the New Dawn Ashadeep School, which educates 98 special needs students, exemplifies its dedication to promoting inclusive education.



B. Infrastructure for Livelihoods

- **Four Lane Port Connectivity Elevated Road:**

Inaugurated in January 2025 at a cost of USD 76 million, this project has revolutionized transportation logistics, improving efficiency and safety for cargo movements while decongesting urban areas.



- **International and Domestic Cruise Terminal:**

Developed at a cost of USD 14 million, this facility supports increased cruise liner traffic, boosting tourism and the local economy, and fostering sustainable infrastructure improvements.



- **Modern Fishing Harbour Jetty at Vasco Bay:**

A USD 12 million project providing modern infrastructure for the local fishing community, directly benefiting hundreds of traditional fishermen and their families.

- **Passenger Jetty at Vasco Bay:**

Costing USD 0.24 million, this jetty encourages water-based passenger transport, improving mobility and reducing road congestion.

- **Coastal Cargo Berth at Vasco Bay:**

A USD 23 million investment supporting coastal shipping, creating jobs and business opportunities for local transporters, laborers, and small enterprises.

C. Socio-Economic Upliftment

- **Employment Generation:**

Expansion and modernization projects will create direct and indirect employment opportunities for thousands in the region.

- **Support for Local Institutions:**

MPA regularly supports local schools, healthcare facilities, and social organizations through CSR initiatives, scholarships, and health camps.

D. Environmental and Social Responsibility

- **Sustainable Modernization:**

All development projects undergo rigorous Environmental Impact Assessments (EIA), with community consultation to address local concerns.

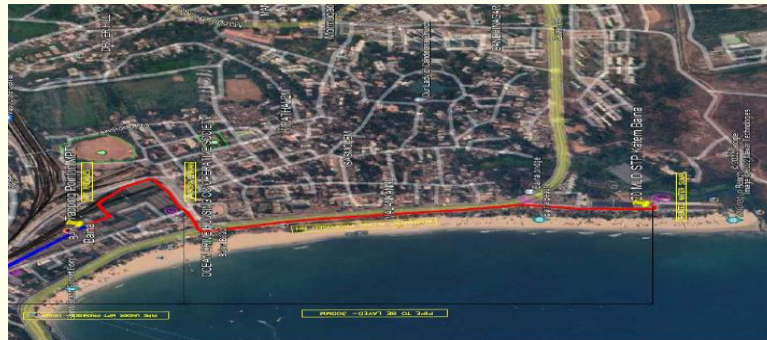
- **Green Initiatives:**

- **Plantation of 5,000 saplings to enhance green cover.**



The Mormugao Port Authority (MPA) has made significant strides in enhancing its green cover through targeted plantation initiatives. As part of its environmental restoration efforts, MPA has already achieved 33% green cover, meeting the 2030 target set under the Maritime India Vision 2030 ahead of schedule. This accomplishment is supported by ongoing afforestation drives, including an ambitious plan to plant 2,500 saplings every year to expand the green belt around the port.

- **Use of treated water from Goa Sewerage Development Corporation for dust control (cost: USD 0.4 Million).**



Mormugao Port Authority (MPA) has initiated a significant green project focused on the recycling and reuse of sewage treated water from the Sewerage Infrastructure Development Corporation of Goa Ltd (SIDCGL), specifically from the sewage treatment plant (STP) at Katem Baina. By switching entirely to recycled treated water, the port achieves a complete (100%) reduction in groundwater usage for dust control.

- **Installation of a 3 MW solar power plant (cost: USD 2.0 Million).**



Mormugao Port Authority is set to become a fully green port by operating entirely on renewable energy through the installation of a 3MWp ground-mounted solar power plant. The project, costing USD 2.0 Million and utilizing a 28,000 sq. m. land parcel cleared of old buildings, will generate 45 lakh units annually-matching the port's total electricity consumption-and reduce CO₂ emissions by approximately 3,807 tonnes per year. With an expected return on investment within 6 to 7 years, this initiative aligns with the Maritime India Vision 2030, significantly lowering the port's carbon footprint and reinforcing its commitment to sustainable, eco-friendly operations.

- **Covered shed for coal handling and storage (cost: USD 21.30 Million).**



The Mormugao Port Authority has achieved a significant environmental milestone with the construction of a state-of-the-art covered storage shed, costing USD 21.30 million.

This facility, one of the largest of its kind in India, measures 320 meters in length, 135 meters in width, and 45 meters in height, covering a total area of 43,200 square meters. It has the capacity to store over 200,000 metric tons of bulk cargo. Equipped with modern water sprinkling and firefighting systems, the shed effectively controls dust emissions and minimizes environmental impact. By fully enclosing the bulk cargo, it prevents the release of fine particulate matter, significantly reducing fugitive emissions at the source. This advancement plays a crucial role in maintaining ambient air quality and protecting public health. This infrastructure complements Mormugao Port's ongoing sustainability efforts, reinforcing its commitment to environmental protection while supporting efficient cargo handling operations.

3. Alignment with IAPH Themes and UN SDGs

Mormugao Port's community development program directly aligns with the IAPH's vision for sustainable ports and the United Nations SDGs, particularly:

- **SDG 4:** Quality Education (School)
- **SDG 7:** Affordable and Clean Energy (Green initiative)
- **SDG 8:** Decent Work and Economic Growth (employment, skills)
- **SDG 9:** Industry, Innovation, and Infrastructure (infrastructure projects)
- **SDG 10:** Reduced Inequalities (inclusive education, special needs support)
- **SDG 11:** Sustainable Cities and Communities (urban decongestion, mobility)
- **SDG 13:** Climate Action (green initiatives, renewable energy)

4. Innovation and Leadership

Originality:

MPA's integrated approach combining education, infrastructure, environmental stewardship, and socio-economic upliftment is innovative among Indian ports.

Vision:

MPA's leadership has embedded sustainability into its core strategy, balancing economic growth with social responsibility.

Impact:

Measurable improvements include thousands of educated youth, job creation, improved health outcomes from pollution control, and enhanced community infrastructure.

5. Stakeholder Engagement

MPA actively collaborates with local government bodies, NGOs, educational institutions, and community groups. Public consultations are embedded in project planning, ensuring transparency and responsiveness to community needs.

6. Conclusion

Mormugao Port Authority's sustained commitment to community development, inclusive growth, and environmental responsibility exemplifies the best practices advocated by the IAPH World Ports Sustainability Program. The port's initiatives have delivered benefits across education, infrastructure, livelihoods, and sustainability.

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