Smart City - Kochi

Towards Smart and Sustainable Kochi
INCLUSIVE | ACCESS | SAFE | GREEN | IDENTITY

Cochin Smart Mission Limited (CSML)

SAAR Peer Learning Workshop
Kochi Smart City Proposal (SCP)

Project & Costs

Kochi selected in round 1 of Smart Cities Challenge

As per Smart City Proposal

**ABD AREA PROJECTS**

- 18 Modules, 80 projects
- Total INR 1347 Cr
- A&OE INR 38 Cr
- Total INR 1385 Cr

**PAN-CITY PROJECTS**

- 2 projects
- Total INR 691 Cr

**Total Cost : 2076 Cr**
Kochi Municipal Corporation
Area: 94.88 Sq Km
Population: 6.7 Lakhs (2011)
No of Wards: 74

ABD Area Selected

**ABD area:** 1024 Acres

**Location:**
5 wards - Fort Kochi & Mattancherry;
3 wards - in Ernakulam

**Total Wards:** 8 Wards (1 to 5, 62, 66 & 67)

**Population:** 53,311 (As per 2011 Census)

**Household:** 12,236

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Legend:
- ABD Area Boundary - Kochi Smart City
- Ward Boundary - Kochi Municipal Corporation

Map showing the Kochi Municipal Corporation area with highlighted ABD area boundaries.
<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Item</th>
<th>No. of Projects</th>
<th>Cost INR Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Projects Completed</td>
<td>12</td>
<td>120</td>
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<tr>
<td>2.</td>
<td>Projects under implementation</td>
<td>22</td>
<td>533</td>
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<tr>
<td>3.</td>
<td>Projects in Tender and DPR stage</td>
<td>8</td>
<td>215</td>
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<tr>
<td>4.</td>
<td>Fund support to other agencies</td>
<td>7</td>
<td>76</td>
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<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>49</strong></td>
<td><strong>944</strong></td>
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MAJOR COMPLETED PROJECTS
Intelligent Traffic Management System

Variable Message Signal

ITMS Control Room

Pelican signal

PTZ camera

Project Cost: 26.90 Cr
Ernakulam Smart Roads – AM Road Stretch
Dutch Palace Entry Area and Vending space

Project Cost: 1.20 Cr
Open Air Theatre
Project Cost: 1.10 Cr

Before

After
Integrated Command Control and Communication Center (IC4)

COVID War room at IC4

Project Cost: 64.50 Cr
Marine Drive Walkway
Marine Drive Walkway

• The Marine Drive walkway is a 2.5 km walkway on the shore of Vembannattu Kayal which was renovated by CSML.

• Envisaged to be an open Corridor that connects other important tourist locations, transit hubs and commercial spaces in the city.
Before 1980, the Shanmugham Road was flanked by the Vembanad lake on the West. Rajendra Maidan is seen in the photo.

The present Marine Drive area which was reclaimed from the Vembanad Lake. The area consists of the walkway along the coast flanked by residential and commercial buildings that has transformed the skyline of Kochi. This has boosted the economy as well as tourist potential of Kochi.
Marine Drive (2000)
Major issues

Badly maintained Uneven tiles that had risen due to rising friction piles that are not in use

Wear and tear to the existing surface treatment and street furniture

Waterlogging
View to the backwaters blocked by hoardings along the water edge

Encroachments by unauthorised hawkers and construction
Major Stakeholders

- Greater Cochin Development Authority
- Kochi Municipal Corporation
- Cochin Smart Mission Limited
- Kerala Police
- Citizen Groups
- Kochi Metro Rail Limited
Design solutions

- Unified streetscape pattern adaptable to the adjoining land uses
- Landscape and paving to emphasise the richness of natural environment and view of waterfront
- CCTV Surveillance cameras
- Family play area and Gym
- Dustbins and routine waste collection
- Uniform advertisement boards
- Maintenance contract for a period of 3 years from completion
- Increased green cover. Native tree and flowering plant species were planted.
- Utilising secondary treated waste water for irrigation of plants.
- Future partnerships with Resident Welfare Associations for maintenance of Walkway
THANK YOU

COCHIN SMART MISSION LIMITED

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