Launch of Charter and Website

25th June 2021
TERI’s Sustainable Urban Freight Initiative

Vision

• Achieving Sustainability in Urban Freight Operations in India

Mission

• Act as a national support structure for cost and emission reduction of Urban Freight
TERI’s Sustainable Urban Freight Initiative

Activities

**Engagement with cities**

**Capacity Building Workshops**

**SUF Coalition Platform**

**Pilot Implementation (EVs)**

### Engagement

- SMC Departments
- Associations (Bakers, Traders, Tempo Owners etc.)
- DULT
- SIAM and OEMs
- Research and educational institutes

### Partnerships

- MoU with Municipal Commissioner and Mayor (SMC)
- MoU with DULT (Bengaluru)
- Policy Support (Tendering, Economic Feasibility, Policy Consultancy)

### Workshops Related SUF

- EV Adoption (Surat)
- Waste Collection
- Textile Freight
- Bakery Supply Chain
- Organic Waste
- Food Grains
- Sustainable Urban Freight for Bengaluru

### EV Demonstration and Adoption

- EV Purchase for SMC: **Tender Release in Process**
- EV Purchase by Tempo Owners: **22**
- EV Purchase by Bakers: **5**
Surat – Success Stories

**SWM**
- 908 vehicles carry the SWM operations in the city
- SMC aims to completely switch to EVs

**Textile and Tempo Owners**
- Textile freight accounts for 44% of Surat’s UF
- Tempo owners have shown interest in adoption of EVs; Live demonstration is to be planned
- 22 EVs are already procured

**Bakery and OWC**
- EVs seem to be more suitable option for Bakery and OWC freight operations
- Participants have requested live demonstration
- 5 EVs are already purchased by Bakers, Duro Green to buy 2 EVs
Potential Emission Reduction from SWM Operation

Current Vehicle Mix and Emission Scenario of SWM Operation (SMC)

<table>
<thead>
<tr>
<th>GHG Emissions</th>
<th>Waste Transported</th>
<th>Vehicles Utilised</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCV (&lt;3.5 Ton GVW)</td>
<td>LCV (3.5-7.5 GVW)</td>
<td>M&amp;HDV (&gt;7.5 GVW)</td>
</tr>
<tr>
<td>Tractors with hydraulic trailer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Potential Emission Reduction

- **Phase III – Electrification of all SCVs**: 77% Reduction from Current Emissions
- **Phase II – Electrification of all Tractors**: 34% Reduction from Current Emissions
- **Phase I – Replacing 21 Tractors by EVs**: 3% Reduction from Current Emissions

[Diagram showing emission reduction phases and vehicle types]
AIM

Bengaluru

- Solutions for sustainable urban freight in Bengaluru/Karnataka

Major Discussion Points

Bottlenecks

Opportunities

- DULT’s Interest for Electrification
- Partnerships for Development
- Lack of Data
- Availability of Infrastructure
- Cost and Emission Savings
SUFC Platform

Sustainable Urban Freight Coalition
National Support Structure for Cost Emission Reduction from Urban Freight in India.

Focus Groups:
- Vehicle Manufacturers
- Government Agencies
- Private Organisations
- Research, educational institutes and individuals

AIM

Knowledge & Learning Platform
Capacity Building of Policy Makers
Integrating Experiential Research
Facilitating Partnerships
Value addition & User friendly mode for knowledge sharing on UF
Join Sustainable Urban Freight Coalition

**Guiding Principle**
- **SDG 3**: Good Health and Well-being
- **SDG 9**: Industry Innovation and Infrastructure
- **SDG 11**: Sustainable Cities and Communities
- **SDG 17**: Partnerships for the Goals

**Voluntary Declaration**
To ensure contribution towards sustainable Urban Freight

**Responsibilities of SUFC Member**
- Actively contribute to the activities of SUFC
- Share experiential knowledge regarding SUF
- Building SUFC activities and community
Procedure to Join

**OEMs (Vehicle Manufacturer)**

*Essential Information*
- Name of the Company*
- Phone Number*
- City*
- Company Logo*

Individual’s Name*

Individual’s Designation*

Do you produce Electric Vehicles? (Y/N)
- Yes
- No

Individual’s Email*

Countries*

Link to company website*

Upload signed charter*

4 + 8 = ?

I commit to the charter

Download charter

Download -> Sign -> Upload the Signed Charter

Submit
Partners

- Logistics Division, MoCI*
- NITI Aayog*
- Directorate of Urban Land Transport, GoK
- Surat Municipal Corporation, Gujarat
- Kinetic Greens
- Piaggio
- Mahindra Rise
- Tata Motors
- Resilient Surat
- Resilience Strata
- Duro Green
Next Steps

- Expand the Capacity Building Workshops and Discussions with Cities
- Monitoring the pilot to quantify economic and environmental benefits
- Running Pilot Projects on Larger Scale for Different Cities
- Assistance for Planning Sustainable Urban Freight for Cities
- Policy Suggestions and Recommendations to Decarbonize Urban Freight
- Incorporate Long-Distance Freight Activities in Scope
Thank you

For further information: Sharif.Qamar@teri.res.in or Viral.Joshi_C@TERI.RES.IN

or write to us at: SUFcoalition@TERI.RES.IN


Thank you