Smart Cities Mission: Pune

Projects for launch

25.06.2016
Sustainable Livelihood Centre, Pune

**LAUNCHED**

Bridging the employability gap is a national priority. The NSDC mandate is to train 150 million people by 2022 and there is a need to employ lakhs of youth who are in the working age group each year.

The Lighthouse Project aims at addressing the issue of sustainable livelihood for the youth, while achieving social renewal of urban slum communitives simultaneously.

This project is being implemented across all wards in Pune. The program entails the launch of minimum one Lighthouse in each of the 15 administrative wards in Pune. Apart from running Skilled Development and Self-Discovery programs, the project scope includes developing a Citizen Engagement Portal and a Skills Marketplace Portal to help with placements.

The project is approved and the first Lighthouse, which is within Ambedkar-Balkowad (ABB) is launching on 25th June 2018.

The project is being executed by pooling the Corporate Social Responsibility (CSR) funds through Pune City Connect Development Foundation: [www.puneconnect.org](http://www.puneconnect.org).

**Youth Empowerment**

- 150 million trained professionals by 2022
- 600 youth participants in first year

Street and Pedestrian Walkway, Aundh

**LAID FOUNDATION**

The Smart Street Project is a part of the urban neighbourhood upgrading program in the Aundh-Bahevi-Balkowad region under Smart City.

9 neighborhood streets will be will be designed giving preference to walkability, universal accessibility & cycling.

A total of 45 km. of potential network of streets has been identified to be designed. Phase 1 of this project will cover 8 km. of roads in Aundh area with a pilot demonstration of 1.5 km., costing approximately Rs.22 crores.

This project will be executed within six months' time from commencement of 25th June 2016.

**Moving People and Not Vehicles!**

- More than 5,000 residents enjoying pedestrian friendly street
- Walkways designed for walkability, universal accessibility and cycling

Slum Rehabilitation of Dr. Babasaheb Ambedkar Vasahat, Aundh

**LAID FOUNDATION**

The objective of this project is to make the chosen area slum free by rehabilitating all eligible slum dwellers.

This initiative being launched on 25th June 2016 will build not just houses but also create an environment for a thriving society, by putting together social infrastructure such as a community hall, a social welfare centre and an Anganwadi for children. It will leverage renewable energy and the project team will help in the formation of a society and assist with finances for operations and maintenance to ensure sustainability of the initiative.

This project will be executed through Slum Rehabilitation Authority (SRA) in PPP (Public Private Partnership) mode. PSCDCL will act as a coordinator for this project. It will cover a population of approximately 1982 covering 8994 sq. mt. with 412 households. Project developers are appointed and the execution is in its formative stages.

**Home for All!**

- Homes for approx. 1982 people
- 412 beneficiary households
- Community hall, social welfare centre

City Common Mobility Card: MI Card

**LAUNCHED**

MI means “M” in Marathi and sounds like ‘me’ in English and it is also an abbreviation for Mobility Integration.

The contactless card benefits both, the users and the merchants accepting the card. It is designed to be a very cost-effective card that will help citizens of all walks of life in Pune.

The MI card will be launched on 25th June 2016. The same will be accepted in Electronic Ticketing Machines (ETM) in the PMPML buses for concession passes and cash payments through e-passes for over 1.2 million commuters. The MI card will later be extended for payments for parking, toll, taxi, other transit/pura transit modes of transport and local trains.

The MI card will be the first low cost inter-regional open standard common mobility card, as per the vision of GoI, to bring people from all walks of life onto the electronic payment platform, for transparency and efficiency of payments in India.

**Hassle Free Ticketing!**

- 1.2 million passengers using smart card facility
- MI card will be later used to pay for parking, tolls, taxis, etc.
- Transparent and efficient
Vehicle Health Monitoring

**LAUNCHED PROOF OF CONCEPT (PoC)**

Vehicle Health Monitoring system helps to ensure reliability of public transport. By leveraging technology, maintenance and vehicle health-related parameters of public transport buses can be tracked.

The dashboard gives early warning signals to the public transport operator before a bus breaks down.

PMPL will launch a Proof of Concept (PoC) to test VIIME technology on 20 selected buses on 25th June 2016. It will help to prioritize 'buses for maintenance' based on criticality of certain tracked parameters. This initiative will ensure efficiency and provide reliable operations ensuring smoother journeys for its passengers in Pune.

**HEALTHY FLEET!**

- **20 buses** fitted with health diagnostics

---

**Passenger Information System through Mobile App and Website**

**LAUNCHED**

As part of Smart Cities Mission, on 25th June 2016, PMPL is launching a world-class website and mobile app through which the exact tracking of all 2000+ buses would be visible to its commuters.

The website and mobile app will provide passengers with more information such as Journey Planner, Fare Calculator, Estimated Time of Arrival (ETA) of the buses arriving at the nearest bus stop. It will also provide modules to address public grievances and availability of pass centers.

The website and mobile app will be available to commuters at their fingertips and thereby will popularize the use of public transport in Pune Smart City.

---

**Pilot of Modern Buses with Alternative Fuels & Technologies**

**LAUNCHED**

As part of Pune’s smart city mission, PMPL is in the process of starting trial runs with Hybrid Buses. Electrical Buses and ethanol-fuelled city bus. Compared to a conventional diesel engine, ethanol-powered vehicles reduce carbon dioxide emissions by up to 90%, helping to improve the lives of the citizens.

The scale up plans by NEMAP will play a significant role in encouraging electric & hybrid solutions. Retrofitment of on-road vehicles with electric and hybrid kits would also be a key component in mapping the success criteria for this mission. Also, the solution covering the existing on-road as well as new vehicle will contribute to the green initiative comprehensively.

Electric & Electric Hybrid solutions can be retrofitted on multiple types of vehicles like buses, taxis/UVVs to not just reduce emissions, but also help in reducing fuel consumption significantly and delivering a far better travel experience for the citizens.

A trial run of these buses will be launched on 25th June 2016.

---

**Central Command and Control Centre for Public Transport**

**LAUNCHED**

PMPL has set up a state-of-the-art ‘Central Command and Control Centre’ (CCCC) to monitor a fleet of 2000 plus buses to assist the commuters of Pune.

The CCC is designed to monitor day-to-day operations, provide resolution of daily issues through call centres and provide grievance redressal from a single location.

**Efficiency delivered through reduced operations and maintenance, from this CCC would translate into cost savings for PMPL (Pune Maharashtra Pashanabath Mandal Limited, a Pune bus operations company) and bring upon a safer, more secure, and reliable public transport system for the citizens of Pune.**

**This project covering 2000+ buses will be launched on 25th June 2016.**

---

**Traffic Demand Modelling Project**

**LAUNCHED PROOF OF CONCEPT (PoC)**

Traffic Demand Modelling Project to be launched on 25th June 2016 is designed for proper planning of public transport capacity.

It’s a new way of identifying and analysing vehicular and human activity within transport networks, where the built environment has been divided using mobile network data, that can be sourced from telecom operators for all subscribers.

This analysis and planning would be of immense help to many city departments including town planning, traffic department and public transport authorities. This approach has a significant advantage over alternate methodologies that require lengthy time and provide insufficient data.

---

**Daily trip data of more than 0.2 million people**

**RELIABILITY IS WONDERFUL!**

- Tracking of more than 2,000 buses
- Safer, more secure, reliable transport system
- Grievance redressal through call centre
Pune Maximum Solar City Project

LAUNCHED

The objective of this initiative is to realise the maximum solar potential of Pune and thereby deliver beyond the target of 10% solar energy usage in the Smart Cities Mission. The project will cover the entire city of Pune with Aurobindo Banerjee-Balsawadi (ARB) as a special focus area. It provides a platform for demand and supply side of rooftop PV to interact and continue to find lower prices for Panickers at acceptable quality levels.

It also brings all other stakeholders together through its forcibly initiated campaigns where MIEDCL (Maharashtra State Electricity Distribution Company Limited) and Pune-based think tanks, Pune International Centre (PIC) and Prerana Energy Group (PEG) join the PSCDJ. Thanks to this initiative, the city will benefit with improved energy sufficiency, cost savings for consumers and environmental sustainability. On 25th June 2016, 50 rooftop solar projects will be launched in Pune.

Plastic Bottle Recycling Project

LAUNCHED

Pune Municipal Corporation proposes to incentivise and motivate its citizens to segregate plastic waste at source and collect segregated plastic waste through the waste pickers' door to door collection system.

Approximately 300MT per day of plastic waste will be collected through 200 Plastic Waste Collection Centers in the city. Additionally, 20 centers for collection and processing of PET bottles will be set up in high pedestrian traffic areas.

The first of these centers would be launched on 25th June 2016.

100% Grievances Redressal System for Water with the help of PMC CARE

LAUNCHED

PMC CARE (Citizen Assistance Response and Engagement) has been extended to address the water supply project that will be launched on 25th June 2016.

Under this project, social media feeds will be integrated to address queries and issues related to water supply. A toll-free number will be published for citizens to get their concerns addressed in a time-bound manner. The feedback mechanism in the system will assure quality service delivery.

Quantified Cities Movement

LAUNCHED PROOF OF CONCEPT (PoC)

The Quantified Cities Movement (QCM) framework aims to improve urban planning by facilitating citizens to participate in the process of decision making at the local level.

Centre for Development Studies and Activities (CDSA) who pioneered QCM will train 7500 adolescents and youth throughout Pune in collecting data on disaster risk and quality of life indicators. The programme will be launched on 25th June 2016 and the endeavour will result in the creation of electoral ward level disaster and/or risk reports as well as ward level environmental status reports that will be used to identify local area risks and stressors respectively.

The reports will be submitted to the Pune Municipal Corporation (PMC), elected representatives and Civil Society Organizations (CSOs) in order to formulate evidence-based, decentralised participatory area plans.

MoVe (Monitoring of Vehicles) Tracking System

LAUNCHED

As waste management operations all over the world attempt to become cleaner and greener, Pune Municipal Corporation will launch MoVe, leading the way with complete end-to-end automation and monitoring of waste collection and management.

PMC is using cutting edge technologies like GPS, GSM, RFID, M2M, IoT Sensors along with innovative mobile and web applications to improve and streamline ground level mechanisms for waste collection and efficient processing and re-cycling of waste.

This system will help in the following manner:
1) A pan city initiative for bin and fleet management
2) 366 vehicles and 7325 garbage collection points have been geolocated and monitored by Central Command Centre
3) Ensure timely pick up, greater transparency, effective complaint redressal by monitoring real-time data to optimise utilisation of vehicles and rapid management of vehicle break downs and maintenance