

Harmonizing Greenery and Sustainable Livable City – A presentation at Nepal Engineers' Association

Presentation on Local Government Practices in Lalitpur Metropolitan City (LMC)

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Mayor, LMC

&

Chairman

Kathmandu Valley Mayors' Forum

Self Introduction

Elected:

- Councilor – 3 tenures
- Metropolitan Mayor – 2 tenures
Political Party- Nepali Congress
- Mahadibesan Member.
- Social Organization: Chairman (Jyapu Samaj, Lalitpur)
2069-2072 B. S.

International forum:

CityNet: Executive Committee Member Elected for 2 tenures
Currently Elected: Chairman of Kathmandu Valley Mayors' Forum.

Organization Brief Introduction

History

Lalitpur Metropolitan City is also known as City of Fine Arts.

- 1975 BS- Chhemdol Adda
- 2009 BS- Lalitpur Municipality
- 2018 BS- Lalitpur Nagar Panchayat
- 2047 BS- Lalitpur Municipality
- 2052 BS- Lalitpur Sub Metropolitan City
- 2073/12/10- Lalitpur Metropolitan City

Demography Brief Introduction

Statistical Data

- **Area : 36.12 sq. km.**
- **Population : 300,000 (estimation in accordance with census of 2078 BS)**
- **Household : 70,256**
- **Literacy : > 95%**

Brief Introduction of Elected Structure

Structure of Municipal Executive and Ward Executive

- **Mayor**
- **Deputy Mayor**
- **29 -Elected Ward Chairman**
- **8 Members Elected Inclusively**
- **Total 39 Members Including Mayor and Deputy Mayor in LMC Board.**
- **Each ward has one ward chairman and 4 ward Member elected.**

Experience in Local Government

- All Sectorial Functions except Security, Foreign affairs and currency .
- In the beginning: Only LGC Act 2074,
- no other provincial acts in hand,
- Paradigm Shift (No Local Election for 18 years)
- Staff settlement, Level issues.
- Covid,
- Lack of expert staff , Lack of sharp procurement team and engineers . Recruitment problems.
- High expectations of public .
- No strategic planning,
Political hindrances in executive board .

Challenges

- Solid waste management / Landfill sites
- Plastic use prohibition
- Traffic congestion
- Vehicle Parking
- Green parks and public toilets
- Conservation works
- Coordination among utility organizations
- Revenue collection coverage
- Building byelaw and code compliance
- Civil works- quality assurance
- Customer satisfaction/ As a Local authority, people expects solution of their bottleneck problems asap.
- Many Others-(Education/ Health/Cooperatives/women empowerment/ Regulation of byelaws/ encroachment/Public land/ Litigations
- Low annual Capital expenditure.
- Carry on project's budgetary volume etc...(Kramagat Yojana)

Development Initiatives
in
Lalitpur Metropolitan City-
At a Glance

Development Trends

S.No.	Categories	Development Initiatives
1	Smart City Campaign	<ul style="list-style-type: none">• Green Urban Roads• Bicycle Lane• Disabled Friendly Footpath• Public Toilets• Smart Street lights/ High Masts• Sewer Treatment Plants (KUKL/ LMC)• Sewerage line extension (Trunk line project of 2.8km, 1400mm \varnothing pipeline)• Metric House Numbering• Green and Blue City Concept
2	Heritage Conservation	<ul style="list-style-type: none">• Conservation of Tangible and Intangible Heritages
3	Disaster Risk Reduction (Under One Roof)	<ul style="list-style-type: none">• Fire brigade, ambulance, corpse van and city police• Quick Response Team with Equipment/tools• Evacuation Centre

Smart City Campaign

Development Initiatives

Green Urban Roads

- Jurisdiction up to 8 m wide (includes all utility w/s, sanitation, electric poles, L/C drains and at least 40 mm asphalt concrete pavement).
- Handled with support of Design Supervision consultant under LMC Infrastructure Division.
- 87 Segments have been completed under this plan. (42 KM) and it is continueing...

Pictorial Presentation



Smart City Campaign

Development Initiatives

Bicycle Lanes

- Joint initiative of Nepal Cycle Society and LMC.
- 32.5 km Completed.
- Construction of 15.8 Km along Ring Road (7.9 km both side) has been planned.

Pictorial Presentation



Smart City Campaign

Development Initiatives

Bicycle Lanes

- Bicycle Lane cleaning campaign

Pictorial Representation






Jawalakhel Intersection



Cycle Lane Cleaning Campaign

Smart City Campaign

Development Initiatives	Pictorial Presentation
<ul style="list-style-type: none">• Disabled Friendly Footpath• Disabled friendly 'cab' taxi	  <div>Under Construction</div> 

Smart City Campaign

Development Initiatives

Public
Toilets/Mobile
Toilets

Pictorial Presentation




Public restroom at
Patan Dhoka

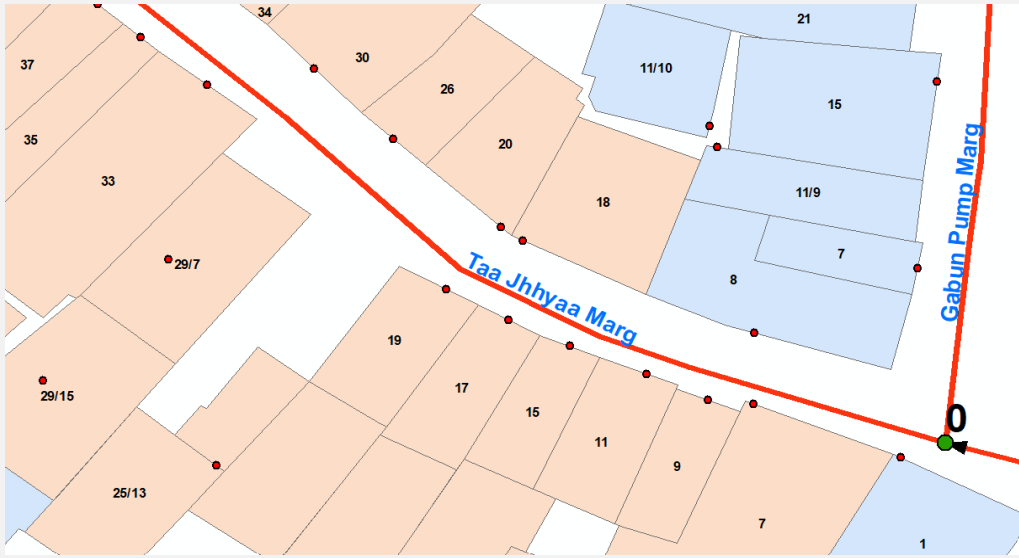




Public restroom at
Mangalbazaar

Smart City Campaign

Development Initiatives	Pictorial Presentation
<p>Smart Street Lights/High Masts</p>	<div></div> <div></div> <div></div> <div><p>Observation of smart street lights by Mayor , Deputy Mayor and others</p></div>

Smart City Campaign

Development Initiatives	Pictorial Presentation
<p>Metric House Numbering System based on GIS</p>	  

Smart City Campaign

Development Initiatives

Pictorial Presentation

Green and Blue
Projects
(greenery
preservation,
vegetation plantation,
transparent fencing,
pond preservation,
etc.)



Proposed
Saptapatal
Pond



Greenery Preservation at Ring road
through PPP approach

Smart City Campaign

Development Initiatives	Pictorial Presentation
<p>Green and Blue Projects (greenery preservation, vegetation plantation, transparent fencing, pond preservation, etc.)</p>	<div></div> <div></div> <div></div> <div></div>



Smart City Campaign

Development Initiatives	Pictorial Presentation
<p>Green and Blue Projects</p> <ul style="list-style-type: none"><li>• Ground breaking ceremoy of transparent green fencing at Saptapatal pokhari	 <p>Inauguration of Saptapatal Pokhari</p>

Smart City Campaign

Development Initiatives	Pictorial Presentation
<p>Green and Blue Projects (greenery preservation, vegetation plantation, transparent fencing, pond preservation, etc.)</p>	   

Heritage Conservation

Development Initiatives	Pictorial Presentation	
<p>Conservation of Tangible and Intangible Heritages</p> <ul style="list-style-type: none"><li>• Completion of around 60 conservation projects	 <p>Bhimsen Temple, Patan</p>	 <p>Annual Chariot festival (Rato Machhindranath)</p>

Heritage Conservation

Development Initiatives

Pictorial Presentation

Conservation of
Tangible and Intangible
Heritage



Inauguration of Bhimsen Temple

Heritage Conservation

Development Initiatives

Conservation of Tangible and Intangible Heritages

- LMC feels proud to honor Mr. Satya Mohan Joshi as a living legendry person.

Pictorial Presentation

**In the postal history of Nepal
this is the first time that a postage stamp was issued
during the lifetime of a Nepalese luminary
DR SATYA MOHAN JOSHI**

President Bidya Devi Bhandari affixed the first day cancellation mark today at Rastriya Bhawan on a postage stamp showing a picture of the most respectable centenarian Dr Satya Mohan Joshi.

Satya Mohan Joshi (1919) is a national cultural icon, a living doyen of Nepali history and culture and litterateur of the century. He had made an immense contribution to Nepali culture, history, and literature.

His early education was at home, and he later enrolled at Durbar High School in Kathmandu. He completed his bachelor's degree at Tri Chandra College.

He joined government service in 1944 and became the first director of the Archeological and Cultural Department in 1959. He established the Rashtriya Naachghar – National Theatre in Kathmandu, Archeological Garden in Patan, Archeological Museum in Taulihawa, and the National Painting Museum in Bhaktapur.

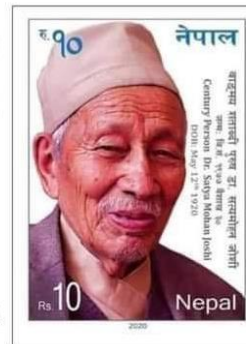
After the political change in 1960, he resigned from service and went to China to teach Nepali at the Peking Broadcasting Institute for five years. During his stay in China, he researched Arniko, who had gone to China in 1260.

He was awarded the Madan Puraskar three times for his work: *Hamro Lok Sanskriti* (1956), *Nepali Rashtriya Mudra* (1957), and *Karnali Lok Sanskriti* (1971). He is also awarded *Shrestha Sirpa* for his outstanding book *Jayaprakash*, an epic in Nepal Bhasa (Newari). He has published more than 60 books on culture, literature, history, music, drama. Other publications include *Kalakar Arniko*, *Sunkhesari*, *Majipa Lakhe*, *Charumati*, *Bagh Bhairab*, *Mrityu Ek Prasna*, and *Maharshi Yagyabalkya*.

After receiving the Madan Puraskar, he started collecting folk songs, folk tales, folk riddle, and folk lifestyles and studied their development.

In honor of Joshi's 100th birth anniversary in May 2019, the Nepal Rastra Bank issued three coins of denominations Rs 100, Rs 1,000 and Rs 2,500 in September 2019.

He received the Tribhuvan Pragma Puraskar in 2057 BS for his contribution to culture. He is decorated with the 'Suprabala Gorkha Dakshin Bahu', 'Trishaktipatta', the 'Adikabi Bhanubhakta Puraskar, the 'Ujjwal Kritiman Rashtredeep' among other medals and decorations.



Restoration of Saptapatal Pokhari Lagankhel- Underconstruction



Disaster Risk Reduction

Categories	Development Initiatives
<ul style="list-style-type: none"> Each Ward Disaster Management Committee holds NRS. One hundred thousand each year. City Level Committee NRS. Five million each year. Disaster Risk Reduction draft has been prepared and in process of final approval. 	<div>  </div> <div> <p>Training Centre at Balkumari</p> </div> <div>  </div> <div> <p>Multi-purpose Evacuation Centre at Bungamati</p> </div>

Disaster Risk Reduction

Categories

Development Initiatives

- Storage of Rescue Materials



Training on fire fighting

Quick response
equipment/tools



100 years old Fire Engine Maintained and operated...



Some good initiatives

Categories	Development Initiatives
<p>Protection and Management of Stray Cattles (MoU with Sneha Care)</p>	

High Masts Light- Night Scene



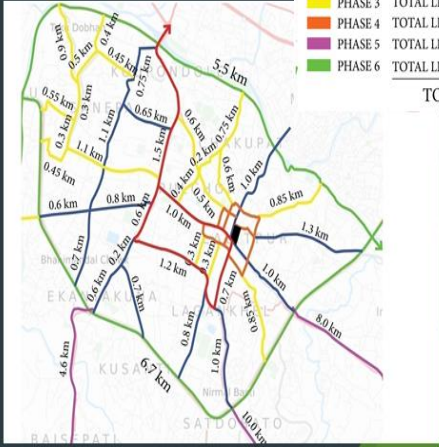

Green and Blue Initiatives even in small lands.



Some good initiatives




Ongoing Cycle promotion projects

Categories	Development Initiatives																
<p>Further promotion of use of bicycles</p>	<div> <p>Part II – Making Lalitpur a cycle friendly city</p> <p>Overall Masterplan</p>  <table border="1"> <thead> <tr> <th>LEGEND</th> <th></th> </tr> </thead> <tbody> <tr> <td>PHASE 1</td> <td>TOTAL LENGTH - 5 KM</td> </tr> <tr> <td>PHASE 2</td> <td>TOTAL LENGTH - 11.2 KM</td> </tr> <tr> <td>PHASE 3</td> <td>TOTAL LENGTH - 11.1 KM</td> </tr> <tr> <td>PHASE 4</td> <td>TOTAL LENGTH - 2.5 KM</td> </tr> <tr> <td>PHASE 5</td> <td>TOTAL LENGTH - 22.6 KM</td> </tr> <tr> <td>PHASE 6</td> <td>TOTAL LENGTH - 12.2 KM</td> </tr> <tr> <td colspan="2">TOTAL - 65 KM</td> </tr> </tbody> </table> </div> <div> <p>Shared Bicycle System</p> </div> 	LEGEND		PHASE 1	TOTAL LENGTH - 5 KM	PHASE 2	TOTAL LENGTH - 11.2 KM	PHASE 3	TOTAL LENGTH - 11.1 KM	PHASE 4	TOTAL LENGTH - 2.5 KM	PHASE 5	TOTAL LENGTH - 22.6 KM	PHASE 6	TOTAL LENGTH - 12.2 KM	TOTAL - 65 KM	
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Water sprinkler tankers- Working



Ongoing Initiatives

Categories	Development Initiatives
<p>Continuation of Green Energy Concept</p> <ul style="list-style-type: none"><li>• Promotion of electric vehicles	<div>A group of police officers in uniform are standing next to a line of yellow electric scooters parked on a paved area. The officers are wearing helmets and high-visibility vests.</div> <div><p>Electric Scooters for LMC police</p></div> <div>Two white electric buses are parked side-by-side, decorated with large arches of red, blue, and green balloons. A man in a suit is standing in front of the buses, and a banner is visible above them.</div> <div><p>Electric Bus services in inner core city of LMC</p></div>

Future planning

Categories	Development Initiatives
<p>Mobile Van Restaurant</p>	 <p>A blue mobile food van is shown from a side profile. The van has a large service window with a metal grate. Above the window, a string of colorful lights is visible. To the left of the window, the word 'MENU' is written in yellow. Below the window, there is a sign that reads 'GOURMET MEXICAN STREET FOOD' in blue and red. To the right of the window, there is a sign that reads 'COOL IT DOWN UP THE HEAT' in blue and red. The van has a black door on the right side. The background is white.</p>

Recent Achievement

- Fire brigade of 100 years old, maintained and being operated
- Water Sprinkler Tankers being operated for road cleaning and roadside tree irrigation and showering
- Staff PIS system
- All schools have same calendar, examination schedule
- Best Prize on Social Sector by MuAN
- Best Prize on Heritage and conservation works by Provincial Government
- Trunk line Sewer along the Patan Durbar Square
- Urban roads pavements and Installations of Street lights and high mast light
- Many others sectorial achievements

Way Forward

- Vertical parking at 3 prominent locations- PFS going on by LMC and JICA.
- At least one disabled friendly public toilet in each ward
- जेष्ठ नागरिकसंग मेयर (Mayor with Senior Citizen)
- Tapping of drinking water sources at the footage of surrounding hills and connecting to existing system- Intermediate plan
- Sisnery Drinking water projects- Long term plan as a Back up of Melamchi Projects

Way Forward (contd.)

- Promotion of indigenous culture and craftsmanship (eg. preserving indigenous facade on all buildings in the route of Patan Durbar Square)
- Construction of Electric Crematorium at Balkumari
- Promotion of Public Private Partnership Projects
- Patan City Doesn't Sleep
- Strict implementation of waste segregation at source and seeking of alternative landfill site

Valley Mayors' Forum

Common Agendas

- Traffic Connectivity and Traffic Light
- Distribution of GIS / Metric house no Projects for Valley Coverage.
- WASH Issues (Organizational Capacity Building and service level enhancement). Duplicating and loose bonding Responsibility (KUKL, PID, Melamchi, KVWSMB, Adhikar Sampanna Bagmati ... Municipalities, Water levy, Catchment area Protection, Ground water Quality, NRW,)
- Review in PPA 2063, only for Local Government need
- Vehicle Parking
- Effective Coordination modality among Different Utility Govt. Organizations.
- SWM alternative solutions(RDF, Incinerator and emergency temporary LFS.)
- Greenery and footpath, cable management,
- Trainings based on Capacity need assessment and conduction of such different trainings at elected representative level and at staff level.
- Exchange of best practices within national and international level .
- Seeking of Official Relation, Membership with Possible international organizations.

Issues related to Engineers at Local level

- Career concern(Provincial act)
- Multi disciplinary job nature. Different than Govt. Unilateral Functional Organizations.
- Capacity Building – Low motivation due to work load, Learning process is slow
- Working at local level is not only technical but also social. Knowledge of political connectivity of elected people to keep in mind sometimes easy becomes to solve the problems.
- Enhancement of professional ethics and integrity is always concern. (town is small)
- Pressure job, if can't deal properly
- Personality development is a concern.
- Plan your job not to make the job pending(reduces complains)
- Low moral on project procurement, supervision, Quality control . (time /Cost/quality)
- Not following SOP/ proper documentation/ rate analysis/ big comment of auditor.
- Threats and leave.
- Pressure group for donation.
- Harmony and team work within organization . Sometimes Diverging .

**Think Globally
Act Locally..**

Thank You

Q/A

