Comprehensive Mobility Plan for Thiruvananthapuram City
Stakeholder meeting at 02.00 PM on 06.07.2015
By
National Transportation Planning and Research Centre, Thiruvananthapuram

Proceedings of the Meeting

National Transportation Planning and Research Centre (NATPAC) is one of the eight R&D centres under the Kerala State Council for Science, Technology and Environment.

The centre undertakes research and consultancy projects in the field of traffic engineering, transportation planning and allied fields.

NATPAC is preparing Comprehensive Mobility Plan (CMP) for the cities of Thiruvananthapuram and Kozhikode at the instance of Kerala Monorail Corporation Ltd. As for the present study, the study region comprises of Thiruvananthapuram Corporation, eight adjoining panchayats (Andoorkonam, Mangalapuram, Vilappil, Vilavoorkal, Venganoor, Balaramapuram, Pallichal and Kalliyoor) and Neyyattinkara municipality.

CMP is a technical document containing short, medium and long term schemes and action programs for the mobility of people and goods with emphasis on mass transport system in an urban area.

This plan is a prerequisite for availing financial grant for major schemes from Ministry of Urban Development, Government of India.

The document is prepared in consultation with various stakeholders like people’s representatives and officials involved in development of transport sector like City Corporation, PWD, NHAI, KSTP, NWAI, KRFB, Police, Town Planning, Water Authority, Electricity Board, premier academic institutions, Pollution control board etc.

As part of the preparation of CMP, a Stakeholder Meeting was held at 2.00 PM on 06.07.2015 in Mascot Hotel, Thiruvananthapuram to discuss the proposals prepared by NATPAC.
The inaugural session of the meeting was welcomed by Dr. B G Sreedevi, Director, NATPAC. Introductory remarks were made by Dr Suresh Das, Executive Vice President, Kerala State Council for Science, Technology and Environment. Shri C Muraleedharan, MLA presided over the meeting and Shri V S Sivakumar, Minister for Health and Dewaswam, Government of Kerala inaugurated the meeting. The meeting was facilitated by Smt K Chandrika, Mayor, Thiruvananthapuram corporation, Dr Shashi Tharoor, Member of Parliament, Shri M A Vaheed MLA, Shri V Sivankutty MLA, Shri R Selvaraj, MLA, Shri P K Venugopal, Chairman, TRIDA and Shri P I Sheik Pareeth I A S, Managing Director, Kerala Monorail Corporation Ltd. Vote of thanks was proposed by Shri T Ramakrishnan, Technical Officer, NATPAC.

In the technical session followed, Shri S Shaheem, Scientist, NATPAC presented brief findings of CMP, and the details of short term improvements needed for the city. Shri N Seshadri, Vice President, Urban Mass Transport Company Ltd, Bengaluru dwelt on the futuristic travel scenario of the city based on the travel demand model and the need for a long term transport network development plan to cater to the travel demand for various horizon years.

There was a detailed discussion on the proposals by officials of various departments/ agencies. Dr G Chandramohanan Asan, Director, CET School of Management, Thiruvananthapuram moderated the technical session and summarized the deliberations of the meeting.

The meeting ended at 6.00pm.

**Major contents of CMP**

- The CMP contains base line traffic and transportation of the study region, including traffic volume, parking, and pedestrian activities.
- A travel model simulates the traffic situation in various horizon years up to 2030 and appropriate transport network plan catering to the future traffic demand are suggested.

**PROPOSED SHORT AND MEDIUM TERM SCHEMES**

- Improvement of major junctions like
  - Jagathy
  - Thirumala
  - Maruthamkuzhy
• Petta
• Vattiyoorkkavu
• Vizhinjam
• Kumarapuram
• Pongummoodu

- Road markings and signs
- Parking strategies
  - Multi-level parking at
    - Chalai KSRTC depot
    - Fort Near Transport Bhavan
    - Palayam Connemara market
    - Railway station
    - Statue
    - Medical college
    - Pattom
    - Ayurveda college
    - Killippalam Tamil school
  - Shared parking at
    - SMV School
    - Dhanya Remya Theatre
    - Bishop Periera Hall
    - Swathi Thirunal Sangeetha Sabha
    - S L Theatre
    - Public Library
    - Ajantha Theatre
    - University College
    - VJT Hall
  - Peripheral parking at
    - Kaniyapuram
    - Paruthippara
    - Vazhayila
    - Thirumala

- Pedestrian friendly measures
  - 11 underpass/ overpass
- Sky walk
  - Thampanoor Railway to Bus terminal connecting LRT
  - Thampanoor to East fort along Power house road (above canal)
  - East fort to Attakulangara bus stand
  - Ulloor LRT station to Medical College
  - Kazhakkooottam Bus terminal to Techno Park and connecting LRT station at Kazhakkooottam

- Pedestrian street
  - Chalai Road (Killippalam to Gandhi Park)
  - Temple Road - RTO office to Ramachandra
  - Temple Road - By the northern side of Padmatheertha Kulam

- Joggers path
  - Kovalam-Veli -Akulam

- Cycle track
  - PMG to Sashthamangalam
  - Thampanoor – Vellayambalam
  - NH 47 Bypass (Full Stretch)

- Application of ITS
  - Advanced Traffic Management
  - Surveillance cameras
  - Variable Message Signs (VMS)
  - Road Information Systems
  - Traffic Management Centre
  - Automatic Toll collection

PROPOSED LONG TERM SCHEMES

- Well defined hierarchical pattern of road network like arterial roads, sub-arterial roads, tertiary roads and local roads as defined by Indian Roads Congress (IRC).
- Four inner ring roads and two outer ring roads are proposed as part of CMP
  - Ring road – 1: Inner Ring Road Corridor: Thampanoor - Bakery (flyover)- Palayam (underpass) - Pattoo - Vanchiyoor - Overbridge - Thampanoor. Most of the road sections have been widened to four-lane divided carriageway except for Pattoo-Vanchiyoor-Overbridge road.
- **Ring road - 2**: First Intermediate Ring Road Corridor: Choorakkattupalayam - Thycaud - Vellayambalam - PMG - Thekkumood - Kannammoola - Nalumukku - Uppidamoodu - Sreekanteswaram - Melepazhavangadi (flyover) - Choorakkattupalayam. Widening of the roads are in progress.


- **Ring road - 4**: Outer Ring Road Corridor1: Thiruvallam - Kaimanam - Pappanamcode - Thrikkannapuram - Thirumala - Vattiyoorkavu - Peroorkada - Ambalamukku - Paruthhipara - Kesavadasapuram - Ulloor - Pulayanarkotta - NH Bypass. Widening of the roads is in progress.

- **Ring road - 5**: Outer Ring Road Corridor2: Vazhamuttam-Pachalloor-Poonkulam-Pravachambalam-Malayinkeezh-Peyad-Kollamkonam-Puliyaarakonam-Kachani-Karakulam-Vattappara-Ayiroorpara-Kattiyikonam-Vettu road

- **Ring road – 6**: Vizhinjam-Balaramapuram-Oorootambalam-Vellanadu-Nedumangadu-Kanyakulangara-Pothencode-Mangalapuram

- **Flyovers at**
  - Kazhakkoottam
  - Sreekaryam
  - Ulloor
  - Pattom
  - Kesavadasapuram
  - Thampanoor
  - Peroorkada
  - Balaramapuram

- **Elevated corridors**
  - between Kazhakkoottam and Eanchakkal along NH bypass

- **New bus terminals at**
  - Kazhakkoottam
  - Vattappara
  - Medical college
  - Vattiyoorkavu
  - Balaramapuram
  - Eanchakkal
- Mangalapuram
  - **Truck terminals at**
    - Chala
    - Balaramapuram
    - Eanchakkal
    - Vizhinjam
    - Mangalapuram
  - **Multimodal mobility hub at**
    - near International airport