

Chennai Unified Metropolitan Transport Authority (CUMTA)

Terms of Reference

Mobility and Spatial Data Development Architect

I. Introduction

1. The Chennai Unified Metropolitan Transport Authority (CUMTA) was established by the Government of Tamil Nadu (GoTN) through a Statutory Act provision during November 2010, and the Rules for CUMTA were notified during January 2019. The Act has been further amended in September 2020 proposing the Hon'ble Chief Minister of Tamil Nadu as Chairman of the of the CUMTA.
2. The creation of CUMTA was a step towards integrated and sustainable urban mobility initiative for Chennai. CUMTA is better placed to manage the existing institutional gaps and overlaps amongst various agencies in tackling urban transport issues at an optimum utilization of resources. The jurisdiction of CUMTA extends over the whole of Chennai Metropolitan Planning Area.
3. Currently, CUMTA is functioning under Housing and Urban Development Department and a 'Special Officer' has been appointed to execute the duties of Member-Secretary, CUMTA (as well as the Chief Executive Officer). One of the key responsibilities of the Member Secretary is to carry out day-to-day functions undertaken by CUMTA and also to conduct meetings/ facilitating discussion for the authority to take multiple decisions under CUMTA. Hence, GoTN with the help of World Bank under Chennai City Partnership program is working towards strengthening the existing CUMTA to make it fully operational.
4. The organizational structure and staffing requirements for maturity-wise strengthening of CUMTA is worked out in detail in the adopted operations manual document of CUMTA. A preliminary staff strength consisting of 3 officers on deputation, 2 planners on contract, 4 non-technical staffs on working arrangement are deployed. To fully functionalize CUMTA's operation in the urban mobility sector, furthermore experts/professionals are required.

II. Name of the Post: Mobility and Spatial Development Data Architect

III. Role:

- a. To foster consolidation and facilitate sharing of digital data on urban mobility and integrated transport and land use
- b. To establish digital platform and protocols for data acquisition from various inter-state agencies.
- c. To provide technical assistance to consolidate, map and share data on urban mobility, integrated transport and land-use with relevance to the needs of the authority.

IV. Key Responsibilities

- a. To consolidate and facilitate sharing of digital data on urban mobility, integrated transport and land use.
- b. To support policies and procedures enforced by the authority to ensure best practices of data architecture including accountability, governance, and transparency requirements.
- c. To ease means and measures to support operational use of data for facilitating various functions of CUMTA.
- d. To document, maintain data inventory and data flow diagrams to determine quantitative and qualitative analysis on the entries.
- e. Liaising with the different department for collating shared key information.
- f. To carry out such other functions and duties that are delegated to the position.

V. Qualifications and Experience

- a. Post Graduate degree in Data Analytics/ Information Technology or Equivalent
- b. At least 05 years of work experience with at least 03 years of experience in data management of any public / semi-public / PSU / private sector entity
- c. Membership of a relevant professional body.
- d. Course or Certification in GIS/ Geo-Informatics is required.
- e. Experience in sharing of digital data on urban mobility, integrated transport and land use with strong GIS expertise, systemic thinking and collaboration skills.

VI. Duty Headquarters

The duty headquarters of the 'Mobility and Spatial Development Data Architect' will be in Chennai Unified Metropolitan Transport Authority, Chennai. He / she will be required to travel frequently within and outside the city and occasionally outside the state for project purposes.

VII. Durations

Appointment to the post will be on contract basis initially for a period of two year and likely to be extended based on the performance.

VIII. Reporting Arrangements

The Mobility and Spatial Development Data Architect will report to the Special officer / Member Secretary, CUMTA.