# MAURITIUS ACADEMY OF SCIENCE AND TECHNOLOGY / UNIVERSITY OF MAURITIUS

## *VACANCY*

### RESEARCH ASSISTANT (TASK-BASED ASSIGNMENT)

### Project: Decarbonisation of Transport in Mauritius: Towards a Sustainable Transport System

Applications are invited from suitably qualified candidates for one (1) **Research Assistant (Task-Based Assignment)** to contribute to the above research project, jointly undertaken by the Mauritius Academy of Science and Technology (MAST) and the University of Mauritius (UoM). The assignment is expected to commence in **January 2027**, under the guidance of the MAST/UoM.

**Qualifications Required**

- A degree in Mechanical Engineering, Chemical or Environmental Engineering, Sustainable Development, Economics, or another relevant discipline.
- A postgraduate qualification in a related field would be an advantage.

**Profile**

Candidates should have:

- Good research, analytical, organisational and communication skills;
- Knowledge of transport systems, energy use, greenhouse gas emissions, climate policy or sustainable mobility;
- Ability to undertake structured literature reviews, collect and analyse quantitative and qualitative data, and synthesise evidence;
- Proficiency in spreadsheets and standard data-analysis and report-writing tools;
- Good technical writing skills and the ability to work independently and with a multidisciplinary team;
- Familiarity with the Mauritian transport sector, national climate commitments (including NDC 3.0), and stakeholder consultation would be an advantage.

**Responsibilities & Duties / Task-Based Work Packages**

The assignment comprises four work packages, each with an indicative duration of one month and a proposed all-inclusive allowance of Rs 15,000, payable subject to satisfactory completion and acceptance of the respective tasks.

**TASK 1 — Literature Review and Research Framework (Month 1; Rs 15,000)**

- Review relevant Mauritian transport policies, strategies, programmes and studies, including NDC 3.0 and EV initiatives;
- Develop an annotated evidence inventory, data requirements matrix and initial research framework;
- Actively participate in the Inception Workshop;
- Prepare a concise inception/literature review report.

**TASK 2 — Data Collection and Baseline Assessment (Month 2; Rs 15,000)**

- Compile available data on vehicle fleets, transport fuel use, energy consumption, GHG emissions and existing low-carbon transport initiatives;
- Liaise with relevant stakeholders and assist with data requests or consultations as directed by the research team;
- Identify data gaps, methodological limitations and key barriers to decarbonisation;
- Submit a documented dataset and baseline assessment note.

**TASK 3 — Analysis and Policy Options (Month 3; Rs 15,000)**

- Analyse the available evidence on low-carbon transport options, including electrification, public transport, modal shift, efficiency measures and alternative fuels where supported by the data;
- Assess potential environmental, economic and social implications and implementation constraints;
- Support preparation of a draft roadmap with priorities, responsible stakeholders and indicative actions;
- Submit an analytical report and draft policy-options matrix.

**TASK 4 — Reporting and Stakeholder Validation Support (Month 4; Rs 15,000)**

- Consolidate findings into a draft policy report with recommendations for Mauritius;
- Assist in preparing presentation materials and supporting stakeholder validation activities, subject to the project timetable;
- Incorporate feedback received within the assignment period and assist with final editing and documentation;
- Submit a final task report, datasets, references and supporting materials to the research team.

Throughout the assignment, the Research Assistant shall report progress regularly to the UoM/MAST investigators, maintain proper records and carry out other cognate duties directly related to the project.

**Remuneration**

A proposed total all-inclusive allowance of **Rs 60,000** for the four task-based work packages, subject to MAST/UoM approval and satisfactory completion of the specified deliverables. This amount represents the total allocation for the assignment, not a monthly salary.

**Duration of Assignment**

**Four (4) months**, with an anticipated commencement in **January 2027**. The precise commencement date and task schedule will be confirmed by MAST/UoM.

**Mode of Application**

Interested candidates should submit a letter of application, a detailed curriculum vitae, copies of academic qualifications and relevant supporting documents by **Wednesday 9 December 2026**. Applications may be submitted to the Dean, Faculty of Engineering, University of Mauritius, Réduit, for the attention of Professor Abdel Khoodaruth, or emailed to both **a.khoodaruth@uom.ac.mu** and **mast.mauritius@gmail.com**. Applications should be clearly marked **"Research Assistant (Task-Based) - Decarbonisation of Transport in Mauritius"**.

Applications received after the closing date will not be considered. MAST/UoM reserve the right to shortlist and interview only the most suitably qualified candidates, to administer a test where appropriate, and not to make any appointment following this advertisement.

**17 November 2026** **Dean, Faculty of Engineering**