

# POSITION DESCRIPTION



## ENGINEER, SYSTEMS

Position No.	MEL23
Vacancy Type	Internal & External
Classification	PSI 5
Salary	Rs. 40,100 x 1,000 – 47,100 x 1,300 – 58,800 x 1,500 – 70,800
Employment Type	Permanent position
How to Apply	<p>Online applications are preferred. For online application and downloading Application Form, please visit: <a href="https://www.mauritiusmetroexpress.mu/job-vacancies/">https://www.mauritiusmetroexpress.mu/job-vacancies/</a></p> <p>Via email: Applications together with scanned copies of academic qualifications can also be emailed to: - <a href="mailto:career@metroexpressltd.org">career@metroexpressltd.org</a></p> <p>Via post: Applications together with scanned copies of academic qualifications can also be addressed to: - <b>Human Resources Manager</b> Metro Express Limited, Level 3, SICOM Tower, Wall Street, Ebène 72201</p> <p>The envelope or the title of the email should be clearly marked "Engineer, Systems".</p>

Position deadline	<b>Friday 26 May 2023</b> Application made without completed MEL Application Form and received after the closing date will not be considered.
-------------------	--

**Job Title:**  
Engineer, Systems

**Reporting Line:**  
Manager, Systems

**Function/Division:**  
Maintenance

**Location:** Richelieu

### Qualifications:

- (i) Possess a Degree in Electrical/Electronics and Communication/Telecommunication Engineering from a recognised University or an equivalent qualification acceptable to the Board of MEL;

#### Attributes:

- a) Have at least 5 years' working experience preferably in engineering maintenance environment with at least 2 years' working experience with Signalling / Communication systems and equipment;
- b) Registration as a Professional Engineer of Mauritius (or equivalent recognised international standing) in the fields of civil, electrical or mechanical engineering with the Council of Registered Professional Engineers of Mauritius under Section 13 of the Registered Professional Engineers Council Act no. 49 of 1965, and as subsequently amended, would be an added advantage;
- c) Ability to interpret electronic / electrical single line drawings, statistical charts, figures, technical measurements and results;
- d) Possess excellent technical, analytical skills and pro-active;
- e) Ability to work both in a team and independently;
- f) Computer literate and able to operate basic software packages (e.g. Word, Excel, PowerPoint, Outlook, and engineering software);
- g) Ability to adapt to new working environment, multi-task and work under pressure
- h) Excellent Electrical and Electronics installation and troubleshooting is required.
- i) Excellent networking installation and troubleshooting skills using Fibre Optics Network and Networking skills like Cisco and/or Allied Telesis equipment is required.
- j) Knowledge of Telecommunication and/or TETRA installation and troubleshooting is required.
- k) Team player and willing to perform work to the required quality standards;
- l) Knowledge of CCTV, iPBX, Boom Barriers, Automatic Gate, Emergency Access Control (EACS), Passenger Information Display/Kiosk (PID/PIK) LED systems, Passenger Announcement Systems (PAS) Audio systems and UPS installation and troubleshooting would be an advantage
- m) Knowledge of Traffic Light Systems installation and troubleshooting would be an advantage
- n) Knowledge of Railway Signalling Systems installation and troubleshooting would be an advantage
- o) Knowledge of Fare systems, Ticket Vending Machine installation and troubleshooting would be an advantage.

- p) Team player, committed with a willingness to adhere to strict safety protocols.
- q) Knowledge of Mechanical installation and troubleshooting would be an advantage.
- r) Knowledge of automation, programmable logic controllers and troubleshooting principles would be an advantage.
- s) Maybe required to work on shift.

Successful candidates will undergo a structured training program to equip with the knowledge and skills to perform the duties ascribed.

The incumbent shall be working under the **Systems Department** for the maintenance of **Signalling System, Communications System and/or Fare Equipment**. The duties and responsibilities include but not limited to:

1. Planned and schedule Preventive Maintenance (PM), Corrective Maintenance (CM) works under the Systems Group and as part of Engineering Work Plan, EWP;
2. Prepare work instructions, monthly reports, Fault Investigation and Incident reports, Waiver of Non-conformity reports when and as required.
3. Monitor spare parts inventory and raise IR for procuring them.
4. Attend to Signalling System, Communications System or Fare Equipment faults;
5. Raise work orders, perform, review and close the work orders;
6. Follow-up of all faults/issues found during PM and raise CM work order;
7. Drive company vehicle, where required and possess a valid manual driving licence;
8. Perform installation, maintenance, and commissioning, of railway systems equipment.
9. Fault-finding, repairing and adjustment of mechanical, electrical and electronics signalling equipment, including protected level crossings, Fare Systems, ETS and Communication & Monitoring Systems, C&M equipment.
10. Provide infrastructure support on Signalling, Fare Systems and Communication & Monitoring systems for planned and emergency maintenance activities.

11. Ensure all work is performed in accordance with Workplace Health and Safety (WH&S) requirements and legislative policies including work activities performed by subordinate employees.
12. Provide support to technicians during heavy rainfall, cyclonic conditions and confinement to plan recovery, transport and prepare roster.
13. Report on actual work performed against the scheduled work program and report any equipment performance and condition irregularities.
14. Progress the implementation and application of MEL work procedures, instructions and practices in pursuit of ensuring continuous quality improvement.
15. Undertake all tasks and activities in a safe manner in accordance with relevant Safety Management Strategy, SMS.
16. Follow-up of Systems issues during DLP period and raised DN as and when required.
17. Undertake any other related maintenance tasks/functions that are assigned by the Systems Manager; and
18. To perform such other duties related to the main duties listed above or related to the roles ascribed to him.

**MEL reserves the right not to fill any vacancy following this advertisement and to call for interview only the best qualified candidate.**