

POSITION DESCRIPTION



ENGINEER, SYSTEMS

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: https://www.mauritiusmetroexpress.mu/job-vacancies/</p> <p>Via email: Applications together with scanned copies of academic qualifications can also be emailed to: - career@metroexpressltd.org</p> <p>Via post: Applications together with scanned copies of academic qualifications can also be addressed to: - Human Resources Manager 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	13 August 2024 Application made without completed MEL Application Form and received after the closing date will not be considered.
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Job Title:
Engineer, Systems

Reporting Line:
Manager, Systems

Function/Division:
Maintenance

Location: Richelieu

Qualifications:

- a) Possess a Degree in Electronics Engineering, Electrical and Communication/Telecommunication Engineering from a recognised University or an equivalent qualification acceptable to the Board of MEL;
- b) Relevant Experience:
Hands-on experience with diagnosing and troubleshooting electronic, electrical and mechanical systems. Experience with preventive maintenance schedules and practices. Customer service experience in a technical support role is advantageous. Experience

with inventory management and procurement processes.

Attributes:

Detail-oriented with a strong focus on precision and accuracy. Proactive in identifying and resolving issues. Adaptable to changing environments and new technologies. Strong problem-solving skills and analytical thinking. Excellent communication and customer service skills. Leadership abilities and a team-oriented approach. Creativity and innovation in problem-solving.

Reliable and punctual with a strong sense of responsibility. Ability to work independently and as part of a team. Flexibility to work various shifts, including nights, weekends, and holidays.

The incumbent shall be working under the Systems Department for the maintenance of Electronics and Electrical systems including 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. Diagnose and resolve hardware and software issues in ticket vending machines, perform immediate repairs to minimize downtime and ensure machine functionality, replace defective components, such as printers, ticket card readers, coin and bank notes modules, Point Of Sales, POS and touch screens etc, conduct tests to ensure machines are operating correctly after repairs.
3. Prepare work instructions, weekly/monthly reports, Fault Investigation and Incident reports, Waiver of Non-conformity reports when and as required. Maintain detailed records of all maintenance and repair activities. Communicate effectively with management about machine status and potential improvements.
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. Skills in identifying, assessing, and managing risks associated with asset operation and maintenance.
16. Follow-up of Systems issues during DLP period and raised DN as and when required.
17. Monitor spare parts inventory and raise IR for procuring them. Maintain an inventory of all spare parts required for the systems, Order new spare parts in a timely manner to ensure continuous availability, Evaluate bids received for ordering spare parts and select the best options based on quality and cost, Keep accurate records of parts usage and inventory levels.

18. Undertake any other related maintenance tasks/functions that are assigned by the Systems Manager; and
19. 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.