

**Document Title:** Traction Power Failure Incident Report – Maharaja's College Station

**Date:** 10 September 2025

**Prepared By:** Power Supply Controller

At 19:42 hrs, a sudden traction power trip occurred affecting Trainsets KM07 and KM09 near Maharaja's College. Both trains halted between stations, leading to passenger inconvenience.

**Immediate Response:**

- Power Supply Controller isolated faulty feeder section.
- Emergency lighting activated automatically inside both trains.
- Train Operators communicated with passengers via PA system, assuring safety.
- Backup feeder restored traction power within 12 minutes.

**Impact:**

- Total service disruption: 14 minutes.
- Trainset KM07 delayed by 9 minutes; KM09 delayed by 11 minutes.
- Passenger inconvenience mitigated by announcements and station staff support.

**Investigation:**

- Fault traced to overheating of Circuit Breaker CB-4 at Maharaja's substation. Thermal sensors recorded 96°C, exceeding safe limit.
- Root cause identified as defective cooling fan. Replacement scheduled for 11 September.

**Preventive Measures:**

- Enhanced thermal monitoring of substations during peak hours.
- Weekly inspection frequency increased from bi-weekly to weekly for cooling systems.
- Spare fan inventory replenishment to ensure immediate availability.

Incident logged under Power Supply Register (Entry PSF-155). Safety Cell informed. No injuries reported.