Higher Nitec in Rapid Transit Engineering

HFRTZ, HFRTZ21

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6 month IA Duration

RT5011FPE

1. Maintain track circuit equipment (transmitter, receiver, amplifier, track, transformer, cables)

2. Maintain automatic train control (ATC) system [wave guide, WBS based station, modems – fibre and non-fibre, train-borne ATP, train-borne ATO, beacon]

3. Maintain automatic train supervisory (ATS) system (front end processor, server, maintenance work station, routers, switches)

4. Maintain signal light device (LED lights, control panel, relays or electronic actuators)

5. Maintain point area equipment (point machine, point detector, point rods, point relays)

6. Maintain relay-based interlocking system (station equipment relay circuits)

7. Maintain computer-based interlocking system (station equipment, signal lights, ASCV cubicle, diagnostic maintenance system)

8. Maintain platform screen door (PSD) signalling system (PSD relay circuit, summary lamp)

9. Maintain point area equipment (point machine, point detector, point rods, point relays)

10. Maintain relay-based interlocking system (station equipment relay circuits)

11. Maintain computer-based interlocking system (station equipment, signal lights, ASCV cubicle, diagnostic maintenance system)

12. Maintain platform screen door (PSD) signalling system (PSD relay circuit, summary lamp)

13. Maintain emergency trip system (blue lights station)

14. Maintain public address (PA) system

15. Maintain station intercom system

16. Maintain 2-way emergency voice call system

17. Maintain voice recording system

18. Maintain train travel information system

19. Maintain station travel information system

20. Maintain clock system

21. Maintain closed circuit television (CCTV) system

22. Maintain Servers (e.g. Admin server, BMS, DBMS)

23. Maintain Workstations (e.g. MFT, BMS workstation, statistical PC, simulator PC, KVM)

24. Maintain Remote Terminal Unit (RTU)

25. Maintain Programmable Logic Controller (PLC)

26. Maintain Network devices (e.g. routers, switches, gateway, FO convector)

27. Maintain Uninterrupted Power Supply (UPS)

28. Maintain Overhead Display System (ODS) or Mimic Panel

29. Maintenance of TSSS system

30. Maintain Station and KCD Cabinet