

Annexure 40: Ancillary Services Catalogue



Tier 1: Infrastructure Access Services – Safety critical and compulsory services essential for day-to-day train operations

Service Name	Service Description	Unit of Measure
1. Yards: Shunting and marshalling services List of Yards.xlsx	Provision of ancillary facilities services such as shunting, staging, inspections, assembling and dispatching trains, including the use of waiting rooms and ablution facilities TOC crews, where available.	Per wagon movement (varies per train category: GF <50 wagons; Medium heavy >50 <100; heavy >100)
2. Inland terminals: Handling of containerized cargo for modal transfers from road to rail List of Terminals.xlsx	Provision of containerized cargo handling and modal transfers services at TRIM owned inland terminals. Fee includes access to and use of waiting rooms and ablution facilities where available	Per container handled
3. Radio network (Trunk & Open Channel): Radio support services for compulsory onboard train communications	Managed access to TRIM radio network services, including agreed user access, radio subscription packages and service availability support where applicable.	Per Radio (monthly subscription))
4. Radio Network Supporting Peripherals (Train Radios, Handheld Radios, Telemeters, Radio Cab Systems, incl. Integrated Onboard Operating System)	Radio & Telemeter Compliance Testing and Acceptance Support Batch compliance testing, configuration checks and acceptance testing of TOC radios to verify technical compliance and compatibility with the TRIM radio network.	Per Device
	Radio & Telemeter Programming and Configuration Support Technical support for radio programming, code plug control, configuration checks and approved user profiles.	Per Device
	TOC Radio Onboarding and Activation Registration, configuration verification, subscriber activation and controlled connection of TOC radios to the TRIM radio network.	Per radio
	Train Radio Box and locomotive handset installation and commissioning Installation, interface verification, antenna and power checks, functional testing and operational acceptance of approved RTB and locomotive radio handset equipment.	Per locomotive

Tier 2: Rail Critical Support Services – Safety Critical Services for rail operations but non-compulsory for day to day running of trains

Service Name	Service Description	Unit of Measure
5. Track and trace data	Provision of real-time location and movement tracking services for TOC rolling stock through TRIM's Vehicle Identification System (VIS) and CS90 platforms	Per month
6. Rolling stock condition data	Provision of condition monitoring data from TRIM's wayside systems (Wheel Profile Monitor, Acoustic Bearing Evaluator, Weigh-in-Motion, etc.) for TOC rolling stock maintenance planning purposes	Per month
7. Locomotive pantograph monitoring data	Access to data from continuous monitoring and assessment of TOC's locomotive pantographs to ensure safe interaction with overhead traction equipment (OHE)	Per loco per month
8. Evaluation of new rolling stock	Comprehensive assessment of new locomotives or wagons to determine safety and technical compatibility on TRIM network	Per certificate (certificate for each wagon / loco)

Tier 3: Optional Rail Support Services – Engineering and Technical support services
for the development and maintenance of rail infrastructure

Service Name	Service Description	Unit of Measure
9. Engineering and technical reviews of rail related project proposals	Review and validation of external rail infrastructure designs and technologies - Private sidings, private or concessioned rail lines, substations, new operating philosophies	Per hour
10. Weigh bridge calibration test train rental(wagons)	Rental of weigh bridge calibration test train (wagons)	Per wagon per hour
11. Business case reviews and support	Provision of professional support to develop, assess, and validate business cases for rail-related projects	Per hour
12. Weigh bridge repair, calibration and validation	Technical services for calibration, repair and certification of private sidings weighbridges to ensure accuracy and compliance with national standards	Per certificate (1 certificate per weighbridge)
13. Rail construction consultancy	Provision of pre-construction support services for third-party rail projects	Per hour
14. Rail infrastructure specifications	Provision of access to TRIM's standardized rail infrastructure technical specifications (track, signalling, telecoms, yards, depots, etc.) for use by industry participants, contractors, and concessionaires	Subscription Per annum (Fee covers all revisions in that year)
15. Private siding inspections	Inspections of private sidings to ensure safety and operational compliance	Per inspection
16. Applications for new or upgraded level crossings	Processing and engineering reviews of level crossing applications for upgrades or new developments	Per application
17. Quality assurance, testing and commissioning	Specialist testing and commissioning of rail infrastructure and equipment	Per certificate
18. Rental of cabooses	Rental of TRIM cabooses to TOC's and third parties	Per caboose / day
19. Electrical network capacity analysis	Electrical network planning, conducting capacity and electrical performance simulations	Per request
20. Electrical protection review and issuing settings	Conducting electrical protection analysis and issuing protection settings	Per application
21. OHTE mechanized condition assessments	Conducting mechanized condition assessments of OHTE	Per run
22. Technical investigations	Investigation of failures	Per request
23. Pantograph and roof equipment inspection	Inspecting electrical locomotive pantograph and roof equipment	Per locomotive
24. Electrical energy performance analysis	Provision of electrical energy performance analysis for locomotives and buildings	Per request
25. Electrical Systems and Technology Audits	Auditing of electrical equipment, systems and technology to determine useful lifecycle and asset value.	Per request

Tier 4: Non Rail Service – Telecoms, Property and safety & emergency services
outside rail operations

Telecoms Services		
Service Name	Service Description	Unit of Measure
26. Unlit dark optic fiber National Long Distance (50 - 1000km)	Installation of dark optical fibre cables NLD (50 - 1000km) for Leasing.	Per installation (once off)
	Leasing of dark optical fibre cables NLD (50 - 1000km)	Per month (usage)
	Maintenance of leased fibre links to ensure operational integrity (NLD) 50 - 1000km	Per km / month
27. Dark optic fibre Metro (0 - 50km)	Installation of dark optical fibre cables (Metro) 0 - 50km for leasing	Per installation (once off)
	Leasing of dark optical fibre cables (Metro) 0 - 50km for leasing	Per month (usage)
	Maintenance of leased fibre links to ensure operational integrity (Metro) 0 - 50km	Per km / month
	Installation of Transmission links:	
	Digital transmission link with a capacity of 2.048 Mbps (E1)	Per Month (usage)
	Synchronous Transport Module level 1 (STM-1) 155.52 Mbps	Per Month (usage)

	Synchronous Transport Module level 1 (STM-4) 622.080 Mbit/s or 622 Mbps	Per Month (usage)
	Synchronous Transport Module level 1 (STM-16) 2.5 gigabits per second (2,488.320 Mbit/s)	Per Month (usage)
	Synchronous Transport Module level 1 (STM-64) 10 Gigabits per second (10 Gbps)	Per Month (usage)
	Installation of any single transmission link from the list above	Per link (Once off)
	Data Transmission Speed packages:	
	1 Gbps	Per month
	2,5 Gbps	Per month
	5 Gbps	Per month
28. Dark fibre support services - real estate: Rental of physical space for telecoms equipment	10 Gbps	Per month
	Space in Comms Room 3 X 3	Per room / month
	Utilities (electricity) MRC	Per room / month
29. Installation of non-TRIM optic fibre cables	Site Access	Per site visit
	Underground Fiber installation	Per meter
	Overhead Fiber installation	Per meter
30. Radio & Wireless Communication Services	Enterprise and non-rail radio network access Managed access and subscription to available TRIM radio network services for approved users outside compulsory train communication arrangements.	Per radio / month
	UHF / VHF fixed base station and repeater deployment Supply, installation, configuration and commissioning of approved fixed base stations, standalone repeaters and local coverage systems.	Per site / project
	UHF / VHF handheld and mobile radio service Supply, configuration, commissioning and support of approved handheld, vehicle-mounted and mobile radios for operational users.	Per unit
	Intrinsically safe radio service Supply, configuration and commissioning of approved intrinsically safe UHF or VHF radios for hazardous and controlled environments.	Per unit
	Marine VHF communication service Supply, installation, configuration and support of approved marine VHF fixed, handheld and mobile radio equipment for harbour and vessel operations.	Per unit / site
	Radio high-site co-location service Approved hosting of customer radio or telecommunications equipment, antennas and backhaul at TRIM high sites, subject to space, RF, structural, security and access approval.	Per site / month
	Port terminal wireless and Navis connectivity support Wireless access, coverage assurance and network fault support for approved terminal devices and Navis application connectivity, excluding ownership of the Navis application.	Per terminal / month
	Managed Wi-Fi, access point, controller, wireless gateway and associated backhaul services for port operational areas and modern mobile terminals.	Per access point / site / month
	Narrowband wireless gateway and repeater support for TOC port operations Configuration, coverage assurance and fault support for approved legacy wireless gateways and repeaters serving TOC terminal devices in port operational areas.	Per gateway or repeater / month
31. Transmission & Data Connectivity Services	Dedicated wavelength service Dedicated optical wavelength delivered over available DWDM infrastructure, with optional route protection and capacities such as 10G, 100G or 400G.	Per wavelength / month
	Managed wavelength service Managed optical transport with monitoring, protection options and defined service levels for high-capacity customer applications.	Per wavelength / month
	DWDM / OTN managed transport service Managed optical transport with grooming, protection switching, performance monitoring and high-capacity backbone connectivity.	Per link / month
	Carrier Ethernet service (E-Line / E-LAN) Layer 2 metro or long-haul Ethernet connectivity with agreed committed and excess information rates.	Per link / month

	MPLS / IP VPN service Private Layer 3 IP connectivity with QoS, traffic separation and enterprise or operational service levels.	Per site / month
	Microwave radio link service Licensed or unlicensed microwave access and backhaul, including path design, equipment installation, alignment and optional managed support.	Per link once off / month
	Satellite backhaul service LEO or MEO satellite connectivity for remote operations, temporary sites, disaster recovery and emergency communications.	Per terminal once off plus subscription
	Legacy access network service Provision and maintenance of E1, E&M, FXO, FXS and V.24 interfaces for legacy rail, industrial and voice-grade applications.	Per port / link / month
32. Telecommunication Facilities & Infrastructure Services	Telecommunications room, rack and outdoor co-location Secure room, rack, floor or outdoor space for approved customer telecommunications equipment at available TRIM facilities.	Per rack / room / m ² / month
	AC / DC power and battery-backup service Provision of metered AC power, DC rectifier capacity and optional battery backup for approved co-located telecommunications equipment.	Per connection / month or metered usage
	Telecommunications site access service Controlled site access for authorised customer or service-provider personnel to inspect, install or maintain approved equipment.	Per site visit
33. Ad Hoc Installations	Lan Point Installations Connectivity for ICT peripherals (Computers, network devices, WIFI access points, etc.)	Per Site
	CCTV Installations Installation of CCTV equipment for IP cameras, network video recorders	Per Site
34. Future Digital Telecommunication Services	DMR network access service Future DMR Tier II operational voice service supporting group calls, digital migration and approved mission-critical rail communication use cases.	TBD
	LTE broadband and MCPTT service Future LTE service supporting operational broadband, data, video, IoT and mission-critical push-to-talk applications.	TBD
	LTE and DMR hybrid interworking service Future dual-infrastructure or interworking capability to support resilience, interoperability and phased migration from legacy radio systems.	TBD
	DMR and LTE high-site coverage service Future high-site radio and broadband coverage service supporting DMR voice and LTE operational applications.	TBD
	Mission-critical smart device service Future approved LTE handheld or smart-device connectivity for operational voice, video, data and mobile applications.	TBD
	Intelligent NOC and customer service assurance Future customer dashboards, alarm correlation, SLA reporting, incident visibility and coordinated monitoring across radio, transmission and wireless services.	TBD
	Smart port telecommunications and IoT connectivity Future managed wireless, IoT, video and operational data connectivity supporting smart-port applications and analytics.	TBD

Safety and Emergency Services		
Service / Product Name	Service Description	Unit of Measure
35. Emergency response services to fire, chemicals spills, derailments and other emergencies.	Use of specialist vehicle	Per call-out (first 30mnts)
		Per vehicle per hour
	Use of Fire Engine 3500 litres	Per call-out (first 30mnts)
	Use of Water tanker	Per vehicle per hour
		Per call-out (first 30mnts)
		Per vehicle per hour
	Use of Grass unit	Per call-out (first 30mnts)
		Per vehicle per hour
	Use of Incident Command vehicle / response vehicle	Per call-out (first 30mnts)
		Per vehicle per hour
	Use of First response vehicle	Per call-out (first 30mnts)
		Per vehicle per hour
	Use of specialized fire equipment	Decanting spade pump
		Decanting Hetz pump
		Fire extinguishers (dcp)
		Alco foam concentrates
		Oil cap
		Spillsorb
		Splash suite
	Specialized Labour	Scba - Self-Contained Breathing Apparatus
		Labour - Chief Fire Officer.
		Labour - Senior Fire Officer.
		Labour - Fire Officer.
		Labour - Fire Fighter.
	Water used.	Per unit
		Per unit
		Per extinguisher
		Per extinguisher
		Per extinguisher
		Per extinguisher
		Per extinguisher
		Per reel
		Per hydrant
36. Fire equipment maintenance services	Maintenance of 4,5 kg DCP Fire Extinguisher	Per pair
	Maintenance of 9 kg DCP Fire Extinguisher	Per pair
37. Fire equipment and escape signages supply services	Maintenance of 5 kg Co2 Fire Extinguisher	Per pair
	Maintenance of 9 kg Water Fire Extinguisher	Per pair
38. Technical support services: Provision of fire prevention support services and training equipment.	Maintenance of 9 kg Foam Water Fire Extinguishers	Per pair
	Maintenance of Fire Hose Reels	Per pair
	Maintenance of Fire Hydrants	Per pair
	Supply of Fire equipment Signages (Pair - item and Arrow)	Per pair
	Supply and installation of escape signages (Pair - item and Arrow)	Per pair
39. Access to wayleaves	Provision of Fire Risk Assessment	Per pair
	On site evacuation drills / Simulations and feedback	Per pair
	Rail Route Risk Assessment/ Profiling	Per pair
	Lecture rooms etc. per day or part thereof	Per pair
	Fire training grounds, drill yard, equipment and props etc. for practical fire training/ drills and demonstrations per day or part thereof NEW	Per pair

Property		
Service Name	Service Description	Unit of Measure
39. Access to wayleaves	Processing and review of wayleave applications on or through TRIM infrastructure	Per application
40. Staging	Leasing of underutilised rail lines within stations and yards for the temporary staging, parking, or idling of trains and rolling stock.	TBD