



## APPENDIX A

# Transnet Rail Infrastructure Manager

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**Provisioning of Supply Maintenance and Support of Access  
Multiplexers for a Period of 3 Years Nationally**

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**November 2025**

Capital Items	Description	Quantity	Unit Price (Excl. VAT)	Year 1 (Excl. VAT)	Year 2 (Excl. VAT)	Year 3 (Excl. VAT)	Total Price (Excl. VAT)
<b>Network Management System</b>	Primary Server(s) hardware and software installed and commissioned for initial installation	1					
	Primary Server(s) hardware and software installed and commissioned Replacement at year 3/4	1					
	Backup Server(s) hardware and software installed and commissioned for initial installation	1					
	Backup Server(s) hardware and software installed and commissioned Replacement at year 3/4	1					
	Client PC workstations monitor 42 inches	5					
<b>Access Multiplexer</b>	9U Sub rack Complete	700					
	Power Supply	900					
	Processor Unit	900					
	STM1-STM4 Unit with SFP optical 6 Port	900					
	E1 8 port Unit	600					
	100bT Ethernet Unit electrical and optical 8 ports	900					
	V24 / RS 232 Unit 8 port	900					
	4 w E&M Unit 8 port	400					
	Subscriber Unit	300					
	Accessories cards	350					
	Exchange Unit	200					

<b>Training for Technicians and train the trainer advanced programme</b>	Johannesburg	15 candidates					
	Cape Town	15 candidates					
	Durban	15 candidates					
<b>Installation of Access Multiplexer</b>	Total Price of install all the above multiplexers anywhere in South Africa	800					
<b>Warranty</b>	Equipment warranty 24 months	650					
<b>Fibre Monitor</b>	SFP fibre monitor system	1300					
<b>Cabinet 38U</b>	38 U Cabinets	800					
<b>SFP Module</b>	STM 1 Short Haul 1550 nm (LC)	200					
	STM 1 Medium Haul 1550 nm (LC)	200					
	STM 1 Long Haul 1550 nm (LC)	200					
	10/100 Ethernet Short haul 1550 nm (LC)	200					
	10/100 Ethernet Medium haul 1550 nm (LC)	100					
	10/100 Ethernet Long haul 1550 nm (LC)	100					
<b>Installation of Access Multiplexer</b>	1 Multiplexer per site	100					
	2 Multiplexer per site	pair					
<b>Travel of Technicians</b>	Rate Per KM	1000					
	Rate Per hour	1000					

	Rate Per night accommodation	10					
<b>Transport of Equipment</b>	Rate Per KM	1000					
<b>Additional Licensing per Element</b>	Rate per element license	20					
<b>Ruggedized patch cords 5m LC to E 2000 dual fibre</b>	Rate per Ruggedized patch cord	300					
<b>Ruggedize LC to LC 5m</b>	Rate per Ruggedized patch cord	800					
<b>Cat6 e 24 x RJ 45 19 inch Patch Panel</b>	Rate per panel	100					
<b>Maintenance of Access Multiplexers New</b>	Rate of annual Maintenance (opex)	650					
<b>Support of Access Multiplexers</b>	Rate for annual Support of Access multiplexer (Opex)	700					
<b>On Site Resource</b>	Rate of annual Onsite resource(opex)	1					
<b>Total Price (VAT Exclusive)</b>							
<b>VAT (15%)</b>							
<b>Total Price (VAT Inclusive)</b>							