PART C3: SERVICE INFORMATION

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Transnet Freight Rail
Tender Number: SIM220001CIDB / CRAC-JHB-37895
Description of the Service: For the Provision of UPS Inspection, Support & Repair Services at Various Locations on an "as and when required" basis for a period of twelve (12) months.

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C3.1 Service Information

Services Specification and requirement

- Maintenance of sealed lead acid batteries and Smart UPS VT system, used and suitable for standby power supplies to telecommunication equipment. All absolute batteries, links, LED indicator lights and rectifiers will need to be replaced or repaired to provide more life into the system unit.

  The UPS components are mainly end of life and old, the connection and re-routing will be required as part of the servicing of the Unit

  12VDC LOAD TEST BATTERY TESTER to test the power output

  Load capacity for rack and switches up-to 5KW- 8KW, all system should not be more than this on the tester

  Normal test 12V, on charge 13V-14V. Any battery below this will require replacement

  Test link on UPS and Electrical DB-Box, link connections on the battery system to provide and relay power when running on **batteries** and on the **main power**

  Test and repair load projector units for both cabinets and the UPS unit, The UPS provider power to 12-48 –ports network switch

UPS unit structure

- The battery structure must consist of four 12 V batteries each having a capacity of 9Ah and 200AH $\pm$ 10%, totalling 48 V.

  Copper links: length of 1 meter

- The batteries must be designed for a minimum of 600 deep discharge cycles at a normal temperature of 20ºC.
- Smart UPS unit serviced as and when needed by business, configuration of the UPS system to communicate with remote monitoring on the network Switches and cabinets

Timeline
- The bidders are required to cover 4 sites per months, this includes testing and repairs
- All replacements/repairs should be done in the first week of the test results

List of server rooms and regions experiencing power challenges:

Site Name	Site Function	Services	Problems experienced	Recommendation
Pretoria	Distribution	Cluster Compute SAN Storage Backup Services Active Directory DNS SCCM Patch Management Antivirus File & Application Servers	Power Instability Room Maintenance	Installation of an Enviro Rack Solution

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Bloemfontein	Distribution	Cluster Compute SAN Storage Backup Services Active Directory DNS SCCM Patch Management Antivirus File & Application Servers	Power Instability Room Maintenance	Installation of an Enviro Rack Solution
Empangeni	Distribution	Cluster Compute SAN Storage Backup Services Active Directory DNS SCCM Patch Management Antivirus File & Application Servers	Power Instability Room Maintenance	Installation of an Enviro Rack Solution
Durban	Distribution	Cluster Compute SAN Storage Backup Services Active Directory DNS SCCM	Power Instability Server room	Move to Queens Warehouse Centre
Port Elizabeth	Distribution	Cluster Compute SAN Storage Backup Services Active	Power Instability Room Maintenance	Installation of an Enviro Rack Solution
Cape Town	Distribution	Cluster Compute SAN Storage Backup Services Active Directory DNS SCCM File & Application Servers	Power Instability Room Maintenance	Consolidate to Saltriver
Germiston	Access Site	Single Server Site Active Directory DNS	Power Instability Room Maintenance	Consolidate to 141
Uitenhage	Access Site	Single Server Site Active Directory DNS SCCM Patch Management Antivirus	Power Instability Room Maintenance	Consolidate to Port Elisabeth
City Deep	Access Site	Single Server Site Active Directory DNS SCCM	Power Instability Room Maintenance	Installation of an Enviro Rack Solution

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		Patch Management Antivirus		
Koedoespoort	Access Site	Single Server Site Active Directory DNS SCCM Patch Management Antivirus	Power Instability	Installation of an Enviro Rack Solution
Saldana - TFR	Access Site	Single Server Site Active Directory SCCM Patch Management Antivirus	Power Instability Room Maintenance	Installation of an Enviro Rack Solution
Kimberly	Access Site	Single Server Site Active Directory DNS SCCM Patch Management Antivirus	Power Instability Room Maintenance	Installation of an Enviro Rack Solution
Nelspruit	Access Site	Single Server Site Active Directory DNS SCCM Patch Management	Power Instability	Installation of an Enviro Rack Solution
Mosselbay	Access Site	Single Server Site Active Directory DNS SCCM Patch Management Antivirus	Power Instability	Installation of an Enviro Rack Solution
Richardsbay	Access site	Single Server Site Active Directory DNS SCCM Patch Management Antivirus	Power Instability	Installation of an Enviro Rack Solution
Salt River	Access site	Single Server Site Active Directory DNS SCCM Patch Management Antivirus	Power Instability	Installation of an Enviro Rack Solution
East London	Access site	Single Server Site Active Directory DNS SCCM Patch Management Antivirus	Power Instability	Installation of an Enviro Rack Solution