****

**BID SPECIFICATION**

**STATE INFORMATION TECHNOLOGY AGENCY (SOC) LTD**

Registration number 1999/001899/30

|  |  |
| --- | --- |
| **RFB REF. NO:** | **RFB 2772-2023** |
| **DESCRIPTION** | **SUPPLY, INSTALL AND CONFIGURE NETWORK SOLUTION (CABLING), AND WIRELESS SOLUTION FOR LIMPOPO DEPARTMENT OF AGRICULTURE AND RURAL DEVELOPMENT MADZIVHANDILA COLLEGE** |
| **PUBLICATION DATE** | **21 JULY 2023** |
| **BRIEFING SESSION** | **NON-COMPULSORY VIRTUAL BRIEFING SESSION****DATE: 01 AUGUST 2023** **TIME: 10H00****VENUE: MICROSOFT TEAMS****Meeting ID: 324 470 902 065****Passcode: M4yHyw** |
| **CLOSING DATE FOR QUESTIONS AND ANSWERS** | **11 AUGUST 2023** |
| **RFB CLOSING DETAILS** | **DATE: 18 AUGUST 2023****TIME: 11:00 AM (SOUTH AFRICAN TIME)****PLACE: TENDER OFFICE, PONGOLA IN APOLLO, 459 TSITSA STREET, ERASMUSKLOOF, PRETORIA (HEAD OFFICE)** |
| **PUBLIC OPENING OF RFB RESPONSES** | **N/A** |
| **RFB VALIDITY PERIOD** | **200 DAYS FROM THE CLOSING DATE** |

**PROSPECTIVE BIDDERS MUST REGISTER ON NATIONAL TREASURY’S CENTRAL SUPPLIER DATABASE PRIOR TO SUBMITTING BIDS.**

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# ANNEX A: INTRODUCTION

# PURPOSE AND BACKGROUND

## PURPOSE

The purpose of this RFB is to invite Suppliers (hereinafter referred to as “bidders”) to submit bid for “Supply, Install and Configure Network Cabling Solution for Limpopo Department of Agriculture and Rural Development (LDARD) Madzivhandila College”.

## BACKGROUND

The LDARD requested State information Technology Agency (SITA) to provide network cabling solution for the Madzivhandila College.

# SCOPE OF BID

## SCOPE OF WORK

The scope of work is for the supplier to provide the Network Cabling Solution.

1. Supply, install and configure network cabling.
2. Repair, label, and test existing network points.
3. Supply, install and configure network switches and access points.
4. Provide 7 Schematics network layout.

## DELIVERY ADDRESS

The goods or services must be supplied or provided at the following physical addresses:

|  |  |  |
| --- | --- | --- |
|  | **SITE** | **DELIVERY ADDRESS** |
|  | Thohoyandou | Madzivhandila Agricultural College |

# REQUIREMENTS

## PRODUCT REQUIREMENTS

### Hardware Requirements (24-Port Switches)

|  |  |  |  |
| --- | --- | --- | --- |
| **Brand** | **Description** | **Quantity** |  **Features/ Residual Throughput, Residual RAM, Residual CPU** |
| **Non-Brand** | **24 Port Switch**  | **16** |

|  |  |
| --- | --- |
| Enclosure Type | Rack-mountable - 1U |
| Feature Set | LAN base |
| Uplink Interfaces | 2 x 10G SFP |
| Ports | 24 x 10/100/1000 POE+ Ethernet ports |
| Available PoE Power | 390w |
| Maximum stacking number | 9 |
| Stack bandwidth | 160 Gbps |
| Forwarding Bandwidth | 68.45Mpps |
| Switching Capacity | 88Gbps |
| RAM | 4 G |
| Flash Memory | 2G |
| Number of AP per switch/stack | 25 |
| Number of wireless clients per switch/stack | 1000 |

 |

### Hardware Requirements (Wireless Access Points)

|  |  |  |  |
| --- | --- | --- | --- |
| **Brand** | **Description** | **Quantity** |  **Features/ Residual Throughput, Residual RAM, Residual CPU** |
| **Non-Brand** | **Wireless Access Points**  | **3** |

|  |  |
| --- | --- |
| **Antennas** | Internal Antennas |
| **Interfaces** | - 2 Ethernet ports- 100/1000/2500/5000 Multigigabit Ethernet (RJ-45)- CAT 5e cabling- Higher-quality 10GBASE-T (CAT 6/6a) cabling- 100/1000BASE-T autosensing (RJ-45 - AUX port)- Management console port (RJ-45) |
| **Features** | - 4x4 MU-MIMO with three spatial streams- MRC- 802.11ac beamforming- 20-, 40-, 80, 160-MHz channels- PHY data rates up to 5.2 Gbps- Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)- 802.11 DFS- CSD support |
| **Regulatory Domain** | E (E regulatory domain):- 2.412 to 2.472 GHz; 13 channels- 5.180 to 5.320 GHz; 8 channels- 5.500 to 5.700 GHz; 8 channels(excludes 5.600 to 5.640 GHz) |
| **System** | - 1024 MB DRAM- 256 MB flash |

 |

## BILL OF MATERIAL

|  |  |  |
| --- | --- | --- |
| Item | Description | QTY |
| **3X COMPUTER TRAINING CLASSES** |
| **CLASSROOM 1** |
| **Data Points** |
| **1** | UTP CAT6e Surface mount Data Point complete  | 30 |
| **2** | 1 Meter Cat 6 Patch Lead | 30 |
| **3** | 3-meter Cat 6 Fly Lead | 30 |
| **4** | Hospital Grey Punch plate 50x50 | 30 |
| **5** | 45deg ADAPTER PLATE  | 30 |
| **6** | RJ 45 WHITE SHUTTER CAT 6 | 30 |
| **7** | 50x50 Collar frame | 30 |
| **8** | 25 X50 BLANK | 30 |
| **9** | Double power skirting including end caps and corners 2.4m lengths Hospital grey | 16  |
| **Power** |
| **10** | Dedicated red power point installed 2.5mm | 30 |
| **11** | Power skirting plug cover Hospital grey | 30 |
| **12** | 2.5mm house wire red | 40m |
| **13** | 2.5mm house wire black | 40m |
| **14** | 2.5mm house wire green | 40m |
| **Sundries** |
| **15** | Nail in Anchors Hilti 6 x 55 | 50 |
| **16** | Wooden screws 16mm | 100 |
| **17** | P-Touch Tape 9mm | 2 |
| **18** | Silicone | 1 |
| **19** | Cable ties | 50 |
| **20** | BRADY “0” - “9” 37/STRIP BLACK/WHITE | 1 |
| **21** | BRADY “A” - “Z” 37/STRIP BLACK/WHITE | 1 |
| **22** | UTP Labelling | 60 |
| **23** | UTP Testing and certification | 60 |
| **24** | Schematic Layout of Network | 1 |
| **25** | COC - electrical certification | 1 |
| **CLASSROOM 2** |
| **Data Points** |
| **1** | UTP CAT6e Surface mount Data Point complete  | 30 |
| **2** | 1 Meter Cat 6 Patch Lead | 30 |
| **3** | 3-meter Cat 6 Fly Lead | 30 |
| **4** | Hospital Grey Punch plate 50x50 | 30 |
| **5** | 45deg ADAPTER PLATE  | 30 |
| **6** | RJ 45 WHITE SHUTTER CAT 6 | 30 |
| **7** | 50x50 Collar frame | 30 |
| **8** | 25 X50 BLANK | 30 |
| **9** | Double power skirting including end caps and corners 2.4m lengths Hospital grey | 16  |
| **10** | Wifi/APS Connectors | 1 |
| **Power** |
| **11** | Dedicated red power point installed 2.5mm | 30 |
| **12** | Power skirting plug cover Hospital grey | 30 |
| **13**  | 2.5mm house wire red | 40m |
| **14** | 2.5mm house wire black | 40m |
| **15** | 2.5mm house wire green | 40m |
| **Sundries** |
| **16** | Nail in Anchors Hilti 6 x 55 | 50 |
| **17** | Wooden screws 16mm | 100 |
| **18** | P-Touch Tape 9mm | 2 |
| **19** | Silicone | 1 |
| **20** | Cable ties | 50 |
| **21** | BRADY “0” - “9” 37/STRIP BLACK/WHITE | 1 |
| **22** | BRADY “A” - “Z” 37/STRIP BLACK/WHITE | 1 |
| **23** | UTP Labelling | 60 |
| **24** | UTP Testing and certification | 60 |
| **25** | Schematic Layout of Network | 1 |
| **26** | COC - electrical certification | 1 |
| **CLASSROOM 3** |
| **Data Points** |
| **1** | UTP CAT6e Surface mount Data Point complete  | 30 |
| **2** | 1 Meter Cat 6 Patch Lead | 30 |
| **3** | 3-meter Cat 6 Fly Lead | 30 |
| **4** | Hospital Grey Punch plate 50x50 | 30 |
| **5** | 45deg ADAPTER PLATE  | 30 |
| **6** | RJ 45 WHITE SHUTTER CAT 6 | 30 |
| **7** | 50x50 Collar frame | 30 |
| **8** | 25 X50 BLANK | 30 |
| **9** | Double power skirting including end caps and corners 2.4m lengths Hospital grey | 19  |
| **Power** |
| **10** | Dedicated red power point installed 2.5mm | 30 |
| **11** | Power skirting plug cover Hospital grey | 30 |
| **12** | 2.5mm house wire red | 50m |
| **13** | 2.5mm house wire black | 50m |
| **14** | 2.5mm house wire green | 50m |
| **Sundries** |
| **15** | 43U Equipment Cabinet  | 1 |
| **16** | 1u Brush panel | 6 |
| **17** | 24 PORT KM8 CAT 6e LOADED | 4 |
| **18** | 10 Way power duct with normal white plugs w/red plug (metal) | 1 |
| **19** | Cage nut, screw & washer (set) | 80 |
| **20** | Nail in Anchors Hilti 6 x 55 | 60 |
| **21** | Cable ties | 200 |
| **22** | Wooden screws 16mm | 100 |
| **23** | 16 Amp single socket dedicated power skirting power plugs (red) | 1 |
| **24** | 5 KVA UPS smart APC (rack mount) | 1 |
| **25** | Electrical surge and lightning protection 2U rack mountable systems unit with one x.21 optically isolated interface. Including equipment AC power surge protection, vac power feed trip, 15A feed socket for cabinet and dual isolated power supplies. | 1 |
| **26** | Surface mount DB box 12way | 1 |
| **27** | 63a isolator | 1 |
| **28** | 63a earth leakage | 1 |
| **29** | P-Touch Tape 9mm | 2 |
| **30** | Silicone | 1 |
| **31** | BRADY “0” - “9” 37/STRIP BLACK/WHITE | 1 |
| **32** | BRADY “A” - “Z” 37/STRIP BLACK/WHITE | 1 |
| **33** | UTP Labelling | 60 |
| **34** | UTP Testing and certification | 60 |
| **35** | Schematic Layout of Network | 1 |
| **36**  | COC - electrical certification | 1 |
| **Switches** |
| **37** | 48 Port switches | 2 |
| **Fibre** |
| **38** | 4 Core areal / heavy duty fibre p/m | 300 |
| **39** | 24 Port ST MM patch panel | 1 |
| **40** | ST-ST MM mid coupler | 8 |
| **41** | ST MM unjacketed pigtail 1M | 8 |
| **42** | Splice Protector | 8 |
| **43** | Splice cassette | 2 |
| **44** | ST Blanks  | 16 |
| **45** | Fibre warning tags | 2 |
| **46** | ST-LC MM 1M leads | 2 |
| **47** | Dead end | 6 |
| **48** | Splicing  | 8 |
| **49** | Trenching from manhole at laboratory to lecture room passage | 80m |
| **50** | Trenching from old lecture room building to manhole | 15m |
| **51** | 110mm pvc pipe for trench to sleeve fibre | 95m |
| **52** | 50mm Bosal downpipe to trenching at old lecture room building & from new manhole at passage of lecture hall 2 | 6m |
| **53** | 50mm 180degree bend for Bosal out of wall into new manhole & from new manhole at passage of lecture hall 2 | 4 |
| **54** | 600mm x600mm manhole at old lecture room building | 2 |
|  |  |  |
| **Comments** |
| * The network cabinet to be installed in classroom 3.
* The fibre will be running from the server room through the HR building then through the old lecture room where it will go down to the trenched pipes.
* There are electrical cables already at each row.
* The fibre should be installed on the passage just underneath the roof (in the lip channel / purlin)
* Power skirting to be installed on top of the tables with wooden screws
 |

| **CLASSROOM 4 TO 5** |
| --- |
| **Data Points** |
| **1** | UTP CAT6e Surface mount Data Point complete  | 60 |
| **2** | 1 Meter Cat 6 Patch Lead | 60 |
| **3** | 3-meter Cat 6 Fly Lead | 60 |
| **4** | Hospital Grey Punch plate 50x50 | 60 |
| **5** | 45deg ADAPTER PLATE  | 60 |
| **6** | RJ 45 WHITE SHUTTER CAT 6 | 60 |
| **7** | 50x50 Collar frame | 60 |
| **8** | 25 X50 BLANK | 60 |
| **9** | Double power skirting including end caps and corners 2.4m lengths Hospital grey | 30  |
| **10** | Wifi/APS Connectors | 1 |
| **Power** |
| **11** | Dedicated red power point installed 2.5mm | 60 |
| **12** | Power skirting plug cover Hospital grey | 60 |
| **13** | 2.5mm house wire red | 100m |
| **14** | 2.5mm house wire black | 100m |
| **15** | 2.5mm house wire green | 100m |
| **Sundries** |
| **16** | 12U swing Equipment Cabinet  | 2 |
| **17** | 1u Brush panel | 8 |
| **18** | 24 PORT KM8 CAT 6e LOADED | 4 |
| **19** | 5 Way power duct with normal white plugs w/red plug (metal) | 2 |
| **20** | Cage nut, screw & washer (set) | 80 |
| **21** | Nail in Anchors Hilti 6 x 55 | 50 |
| **22** | Cable ties | 200 |
| **23** | Wooden screws 16mm | 200 |
| **24** | 16 Amp single socket dedicated power skirting power plugs (red) | 1 |
| **25** | 5 KVA UPS smart APC (rack mount) | 1 |
| **26** | Electrical surge and lightning protection 2U rack mountable systems unit with one x.21 optically isolated interface. Including equipment AC power surge protection, vac power feed trip, 15A feed socket for cabinet and dual isolated power supplies. | 1 |
| **27** | Surface mount DB box 12way | 1 |
| **28** | 63a isolator | 1 |
| **29** | 63a earth leakage | 1 |
| **30** | P-Touch Tape 9mm | 3 |
| **31** | Silicone | 2 |
| **32** | BRADY “0” - “9” 37/STRIP BLACK/WHITE | 2 |
| **33** | BRADY “A” - “Z” 37/STRIP BLACK/WHITE | 2 |
| **34** | UTP Labelling | 61 |
| **35** | UTP Testing and certification | 61 |
| **36** | Schematic Layout of Network | 1 |
| **37** | COC - electrical certification | 1 |
| **Switches** |
| **38** | 48 Port switches | 2 |
| **Fibre** |
| **39** | 4 Core areal / heavy duty fibre p/m | 300 |
| **40** | 24 Port ST MM patch panel | 1 |
| **41** | ST-ST MM mid coupler | 8 |
| **42** | ST MM unjacketed pigtail 1M | 8 |
| **43** | Splice Protector | 8 |
| **44** | Splice cassette | 2 |
| **45** | ST Blanks  | 16 |
| **46** | Fibre warning tags | 2 |
| **47** | ST-LC MM 1M leads | 2 |
| **48** | Dead end | 6 |
| **49** | Splicing  | 8 |
| **50** | Trenching from manhole at laboratory to Classroom | 50m |
| **51** | 110mm pvc pipe for trench to sleeve fibre | 50m |
| **52** | 50mm 180degree bend for Bosal out of wall into new manhole & from new manhole at classroom 4 | 2 |
| **53** | 600mm x600mm manhole at old lecture room building & lecture hall | 1 |
|  |  |  |
| **Comments** |
| * The network cabinets should be installed back to back on the wall between classroom 4 & 5.
* The fibre will be running from the server room through the HR building then through the old lecture room where it will go down to the trenched pipes.
* Power skirting underneath tables.
* 1x LAN point for WIFI AP
 |

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| **LECTURE HALL 1 & 2** |
| **Data Points** |
| **1** | UTP CAT6e Surface mount Data Point complete  | 180 |
| **2** | 1 Meter Cat 6 Patch Lead | 180 |
| **3** | 3-meter Cat 6 Fly Lead | 180 |
| **4** | Hospital Grey Punch plate 50x50 | 180 |
| **5** | 45deg ADAPTER PLATE  | 180 |
| **6** | RJ 45 WHITE SHUTTER CAT 6 | 180 |
| **7** | 50x50 Collar frame | 180 |
| **8** | 25 X50 BLANK | 180 |
| **9** | Double power skirting including end caps and corners 2.4m lengths Hospital grey | 60  |
| **10** | Power pole from ceiling to table | 12 |
| **11** | Wifi/APS Connectors | 1 |
| **Power** |
| **12** | Dedicated red power point installed 2.5mm | 180 |
| **13** | Power skirting plug cover Hospital grey | 180 |
| **14** | 2.5mm house wire red | 600m |
| **15** | 2.5mm house wire black | 600m |
| **16** | 2.5mm house wire green | 600m |
| **Sundries** |
| **17** | 12U swing Equipment Cabinet  | 2 |
| **18** | 1u Brush panel | 10 |
| **19** | 24 PORT KM8 CAT 6e LOADED | 8 |
| **20** | 5 Way power duct with normal white plugs w/red plug (metal) | 2 |
| **21** | Cage nut, screw & washer (set) | 80 |
| **22** | Nail in Anchors Hilti 6 x 55 | 50 |
| **23** | Cable ties | 300 |
| **24**  | Wooden screws 16mm | 200 |
| **25** | 16 Amp single socket dedicated power skirting power plugs (red) | 1 |
| **26** | 5 KVA UPS smart APC (rack mount) | 1 |
| **27** | Electrical surge and lightning protection 2U rack mountable systems unit with one x.21 optically isolated interface. Including equipment AC power surge protection, vac power feed trip, 15A feed socket for cabinet and dual isolated power supplies. | 1 |
| **28** | Surface mount DB box 12way | 1 |
| **29** | 63a isolator | 1 |
| **30** | 63a earth leakage | 1 |
| **31** | P-Touch Tape 9mm | 3 |
| **32** | Silicone | 2 |
| **33** | BRADY “0” - “9” 37/STRIP BLACK/WHITE | 2 |
| **34** | BRADY “A” - “Z” 37/STRIP BLACK/WHITE | 2 |
| **35** | UTP Labelling | 181 |
| **36** | UTP Testing and certification | 181 |
| **37** | Schematic Layout of Network | 1 |
| **38** | COC - electrical certification | 1 |
| **Switches** |
| **39** | 48 Port switches | 4 |
| **Fibre** |
| **40** | 4 Core areal / heavy duty fibre p/m | 300 |
| **41** | 24 Port ST MM patch panel | 1 |
| **42** | ST-ST MM mid coupler | 8 |
| **43** | ST MM unjacketed pigtail 1M | 8 |
| **44** | Splice Protector | 8 |
| **45** | Splice cassette | 2 |
| **46** | ST Blanks  | 16 |
| **47** | Fibre warning tags | 2 |
| **48** | ST-LC MM 1M leads | 2 |
| **49** | Dead end | 6 |
| **50** | Splicing  | 8 |
| **51** | Trenching from manhole at laboratory to lecture room passage | 80m |
| **52** | Trenching from old lecture room building to manhole | 15m |
| **53** | 110mm pvc pipe for trench to sleeve fibre | 95m |
| **54** | 50mm Bosal downpipe to trenching at old lecture room building & from new manhole at passage of lecture hall 2 | 6m |
| **55** | 50mm 180degree bend for Bosal out of wall into new manhole & from new manhole at passage of lecture hall 2 | 4 |
| **56** | 600mm x600mm manhole at old lecture room building & lecture hall | 2 |
|  |  |  |
| **Comments** |
| * The network cabinets should be installed back to back on the wall between lecture hall 1 & 2.
* The fibre will be running from the server room through the HR building then through the old lecture room where it will go down to the trenched pipes.
* The fibre should be installed on the passage just underneath the roof (in the lip channel / purlin)
* Power skirting underneath tables.
* 1x LAN point for WIFI AP
 |

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| **LECTURE HALL 3 & 4** |
| **Data Points** |
| **1** | UTP CAT6e Surface mount Data Point complete  | 113 |
| **2** | 1 Meter Cat 6 Patch Lead | 113 |
| **3** | 3-meter Cat 6 Fly Lead | 113 |
| **4** | Hospital Grey Punch plate 50x50 | 112 |
| **5** | 45deg ADAPTER PLATE  | 112 |
| **6** | RJ 45 WHITE SHUTTER CAT 6 | 112 |
| **7** | 50x50 Collar frame | 112 |
| **8** | 25 X50 BLANK | 112 |
| **9** | Double power skirting including end caps and corners 2.4m lengths Hospital grey | 58  |
| **10** | Power pole from ceiling to table | 8 |
| **Power** |
| **11** | Dedicated red power point installed 2.5mm | 112 |
| **12** | Power skirting plug cover Hospital grey | 112 |
| **13** | 2.5mm house wire red | 500m |
| **14** | 2.5mm house wire black | 500m |
| **15** | 2.5mm house wire green | 500m |
| **Sundries** |
| **16** | 12U swing Equipment Cabinet  | 2 |
| **17** | 1u Brush panel | 10 |
| **18** | 24 PORT KM8 CAT 6e LOADED | 6 |
| **19** | 5 Way power duct with normal white plugs w/red plug (metal) | 2 |
| **20** | Cage nut, screw & washer (set) | 80 |
| **21** | Nail in Anchors Hilti 6 x 55 | 50 |
| **22** | Cable ties | 300 |
| **23** | Wooden screws 16mm | 100 |
| **24** | 16 Amp single socket dedicated power skirting power plugs (red) | 1 |
| **25** | 5 KVA UPS smart APC (rack mount) | 1 |
| **26** | Electrical surge and lightning protection 2U rack mountable systems unit with one x.21 optically isolated interface. Including equipment AC power surge protection, vac power feed trip, 15A feed socket for cabinet and dual isolated power supplies. | 1 |
| **27** | Surface mount DB box 12way | 1 |
| **28** | 63a isolator | 1 |
| **29** | 63a earth leakage | 1 |
| **30** | P-Touch Tape 9mm | 3 |
| **31** | Silicone | 2 |
| **32** | BRADY “0” – “9” 37/STRIP BLACK/WHITE | 2 |
| **33** | BRADY “A” – “Z” 37/STRIP BLACK/WHITE | 2 |
| **34** | UTP Labelling | 113 |
| **35** | UTP Testing and certification | 113 |
| **36** | Schematic Layout of Network | 1 |
| **37** | COC – electrical certification | 1 |
| **Switches** |
| **38** | 48 Port switches | 4 |
| **Fibre** |
| **39** | 4 Core areal / heavy duty fibre p/m | 300 |
| **40** | 24 Port ST MM patch panel | 1 |
| **41** | ST-ST MM mid coupler | 8 |
| **42** | ST MM unjacketed pigtail 1M | 8 |
| **43** | Splice Protector | 8 |
| **44** | Splice cassette | 2 |
| **45** | ST Blanks  | 16 |
| **46** | Fibre warning tags | 2 |
| **47** | ST-LC MM 1M leads | 2 |
| **48** | Dead end | 6 |
| **49** | Splicing  | 8 |
| **50** | 50mm Bosal downpipe to trenching at old lecture room building & from new manhole at passage of lecture hall 2 | 6m |
| **51** | 50mm 180degree bend for Bosal out of wall into new manhole & from new manhole at passage of lecture hall 2 | 2 |
|  |  |  |
| **Comments** |
| * The network cabinets should be installed back to back on the wall between lecture hall 3 & 4.
* The fibre will be running from the server room through the HR building then through the old lecture room where it will go down to the trenched pipes.
* The fibre should be installed on the passage just underneath the roof (in the lip channel / purlin)
* Power skirting underneath tables.
* 1x LAN point for WIFI AP
 |

|  |
| --- |
| **OFFICE BLOCK BEHIND CLASSROOM 4 & 5** |
| **Data Points** |
| **1** | UTP CAT6e Surface mount Data Point complete  | 14 |
| **2** | 1 Meter Cat 6 Patch Lead | 14 |
| **3** | 3-meter Cat 6 Fly Lead | 14 |
| **4** | Hospital Grey Punch plate 50x50 | 13 |
| **5** | 45deg ADAPTER PLATE  | 13 |
| **6** | RJ 45 WHITE SHUTTER CAT 6 | 13 |
| **7** | 50x50 Collar frame | 13 |
| **8** | 25 X50 BLANK | 13 |
| **9** | Double power skirting including end caps and corners 2.4m lengths Hospital grey | 15 |
|  |  |  |
| **Power** |
| **10** | Dedicated red power point installed 2.5mm | 13 |
| **11** | Power skirting plug cover Hospital grey | 13 |
| **12** | 2.5mm house wire red | 150m |
| **13** | 2.5mm house wire black | 150m |
| **14** | 2.5mm house wire green | 150m |
| **Sundries** |
| **15** | 12U swing Equipment Cabinet  | 1 |
| **16** | 1u Brush panel | 4 |
| **17** | 24 PORT KM8 CAT 6e LOADED | 1 |
| **18** | 5 Way power duct with normal white plugs w/red plug (metal) | 2 |
| **19** | Cage nut, screw & washer (set) | 40 |
| **20** | Nail in Anchors Hilti 6 x 55 | 50 |
| **21** | Cable ties | 300 |
| **22** | Wooden screws 16mm | 100 |
| **23** | 16 Amp single socket dedicated power skirting power plugs (red) | 1 |
| **24** | 5 KVA UPS smart APC (rack mount) | 1 |
| **25** | Electrical surge and lightning protection 2U rack mountable systems unit with one x.21 optically isolated interface. Including equipment AC power surge protection, vac power feed trip, 15A feed socket for cabinet and dual isolated power supplies. | 1 |
| **26** | Surface mount DB box 12way | 1 |
| **27** | 63a isolator | 1 |
| **28** | 63a earth leakage | 1 |
| **29** | P-Touch Tape 9mm | 3 |
| **30** | Silicone | 2 |
| **31** | BRADY “0” - “9” 37/STRIP BLACK/WHITE | 2 |
| **32** | BRADY “A” - “Z” 37/STRIP BLACK/WHITE | 2 |
| **33** | UTP Labelling | 113 |
| **34** | UTP Testing and certification | 113 |
| **35** | Schematic Layout of Network | 1 |
| **36** | COC - electrical certification | 1 |
| **Switches** |
| **36** | 48 Port switches | 4 |
| **Fibre** |
| **37** | 4 Core areal / heavy duty fibre p/m | 300 |
| **38** | 24 Port ST MM patch panel | 1 |
| **39** | ST-ST MM mid coupler | 8 |
| **40** | ST MM unjacketed pigtail 1M | 8 |
| **41** | Splice Protector | 8 |
| **42** | Splice cassette | 2 |
| **43** | ST Blanks  | 16 |
| **44** | Fibre warning tags | 2 |
| **45** | ST-LC MM 1M leads | 2 |
| **46** | Dead end | 6 |
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| **48** | 50mm Bosal downpipe to trenching at old lecture room building & from new manhole at passage of lecture hall 2 | 6m |
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|  |  |  |
| **Comments** |
| * The network cabinets should be installed back to back on the wall between lecture hall 3 & 4.
* The fibre will be running from the server room through the HR building then through the old lecture room where it will go down to the trenched pipes.
* The fibre should be installed on the passage just underneath the roof (in the lip channel / purlin)
* Power skirting underneath tables.
 |

## PROJECT REQUIREMENTS

### PROJECT DELIVERY SCHEDULE AND PERFORMANCE

|  |  |  |  |
| --- | --- | --- | --- |
| **Duration** | **Office** | **Deliverables** | **Statement of Work** |
| Four Weeks | Madzivhandila College | Environment Assessment. |  |
| As-To-Be Design Plan. |  |
| Resource Planning. |  |
| Supply, install and configure network cabling. | Switch implementation as per Scope of Work in 2.1. |
| Repair, label, and test existing network points. | Access points implementation as per Scope of Work in 2.1. |
| Supply, install and configure network switches and access points. | Cabling implementation as per Scope of Work in 2.1. |
| Provide 7 Schematics network layout. | Implementation as per Scope of Work in 2.1. |

# BID EVALUATION STAGES

1. The bid evaluation process consists of several stages that are applicable according to the nature of the bid as defined in the table below.
2. The bidder must qualify for each stage to be eligible to proceed to the next stage of the evaluation.

|  |  |  |
| --- | --- | --- |
| **Stage** | **Description** | **Applicable for this bid YES/NO** |
| Stage 1  | Administrative pre-qualification verification | Yes |
| Stage 2 | Technical Mandatory requirement evaluation | Yes |
| Stage 3 | Special Conditions of Contract verification | Yes |
| Stage 4  | Costing and Preference Points Evaluation | Yes |

* 1. ADMINISTRATIVE PRE-QUALIFICATION

# ADMINISTRATIVE PRE-QUALIFICATION REQUIREMENTS

## ADMINISTRATIVE PRE-QUALIFICATION VERIFICATION

1. The bidder **must comply** with ALL of the bid pre-qualification requirements in order for the bid to be accepted for evaluation.
2. If the Bidder failed to comply with any of the administrative pre-qualification requirements, or if SITA is unable to verify whether the pre-qualification requirements are met, then SITA reserves the right to-
	1. Reject the bid and not evaluate it, or
	2. Accept the bid for evaluation, on condition that the Bidder must submit within 7 (seven) days any supplementary information to achieve full compliance, provided that the supplementary information is administrative and not substantive in nature.

## ADMINISTRATIVE PRE-QUALIFICATION REQUIREMENTS

1. **Submission of bid response**: The bidder has submitted a bid response documentation pack –
	1. that was delivered at the correct physical or postal address and within the stipulated date and time as specified in the “Invitation to Bid” cover page, and;
	2. in the correct format as one original document, one copy and two copies on memory stick / USB.
2. **Attendance of briefing session**: Non-Compulsory Virtual Briefing Session.
3. **Registered Supplier.** The bidder is, in terms of National Treasury Instruction Note 4A of 2016/17, registered as a Supplier on National Treasury Central Supplier Database (CSD).

# TECHNICAL MANDATORY REQUIREMENTS

## INSTRUCTION AND EVALUATION CRITERIA

1. The bidder **must comply with ALL the requirements as per section 6.2 below by providing substantiating evidence** in the form of documentation or information, failing which it will be regarded as “NOT COMPLY”.
2. The bidder **must provide a unique reference number** (e.g. binder/folio, chapter, section, page) to locate substantiating evidence in the bid response. During evaluation, SITA reserves the right to treat substantiation evidence that cannot be located in the bid response as “NOT COMPLY”.
3. The bidder **must complete the declaration of compliance** as per section 6.3 below by marking with an “X” either “COMPLY”, or “NOT COMPLY” with ALL of the technical mandatory requirements, failing which it will be regarded as “NOT COMPLY”.
4. The bidder must comply with ALL the TECHNICAL MANDATORY REQUIREMENTS in order for the bid to proceed to the next stage of the evaluation.
5. No URL references or links will be accepted as evidence.

## TECHNICAL MANDATORY REQUIREMENTS

| ***TECHNICAL MANDATORY REQUIREMENTS*** | ***Substantiating evidence of compliance****(used to evaluate bid)* | ***Evidence reference****(to be completed by bidder)* |
| --- | --- | --- |
| 1. **BIDDER CERTIFICATION / AFFILIATION REQUIREMENTS**

The bidder must be a registered OSM/OEM partner to supply, install and configure the Networking Cabling Solution including Switches and Access Points. | Attach to ANNEX B a copy of a valid documentation (certificates or letters) from OSM/OEM indicating the bidder is a registered OSM/OEM partners to supply, install and configure the Networking Cabling Solution including Switches and Access Points. **Note:** SITA reserves the right to verify the information provided. | <provide unique reference to locate substantiating evidence in the bid response – see Annex B, section 10.1> |
| 1. **BIDDER EXPERIENCE AND CAPABILITY REQUIREMENTS**

The bidder must have Supplied, Installed and Configured the Networking Cabling, Switches, and Access points to at least one (1) customer during the past five (5) years. | Provide in Annex B reference from at least one (1) customer to whom the Supply, Installation and Configuration of Network Switches and Access points was delivered in the past five (5) years.**Note:** SITA reserves the right to verify the information provided. | <provide unique reference to locate substantiating evidence in the bid response – see Annex B, section 10.2>  |
| 1. **PRODUCT / SERVICE REQUIREMENT**

**The bidder must confirm compliance to the Product / Service requirements for the supply of Network Cabling, Switches and Access Points.** | The bidder must confirm that they comply with the Product / Service Requirements by completing Annex C: Addendum 1. | <provide unique reference to locate substantiating evidence in the bid response – see Annex B, section 10.3 and Annex C: Addendum 1> |
| 1. **CIDB REGISTRATION REQUIREMENT**

The bidder or bidder’s subcontractor must be registered with the Construction Industry Development Board (CIDB) with a minimum rating of **1EP or 1EB or higher**. | The Bidder needs to complete and sign Annex E as evidence that the bidder is registered with the CIDB with a minimum rating of **1EP or 1EB or higher** and attach this to Annex B. **Note:** SITA reserves the right to verify the information provided. | <provide unique reference to locate substantiating evidence in the bid response – see Annex B, section 10.4> |

## DECLARATION OF COMPLIANCE

|  | **Comply** | **Not Comply** |
| --- | --- | --- |
| The bidder declares by **indicating with an “X”** in either the “COMPLY” or “NOT COMPLY” column that –* 1. The bid complies with each and every TECHNICAL MANDATORY REQUIREMENT as specified in SECTION 6.2 above; AND
	2. Each and every requirement specification is substantiated by evidence as proof of compliance.
 |  |  |

* 1. SPECIAL CONDITIONS OF CONTRACT (SCC)

# SPECIAL CONDITIONS OF CONTRACT

##  INSTRUCTION

1. The successful supplier will be bound by Government Procurement: General Conditions of Contract (GCC) as well as this Special Conditions of Contract (SCC), which will form part of the signed contract with the successful Supplier. However, SITA reserves the right to include or waive the condition in the signed contract.
2. SITA reserves the right to –
	1. Negotiate the conditions, or
	2. Automatically disqualify a bidder for not accepting these conditions.
	3. Award to multiple bidders.
3. In the event that the bidder qualifies the proposal with own conditions, and does not specifically withdraw such own conditions when called upon to do so, SITA will invoke the rights reserved in accordance with subsection 7.1(2) above.
4. The bidder must **complete the declaration of acceptance** as per section 7.3 below by marking with an **“X”** either “ACCEPT ALL” or “DO NOT ACCEPT ALL”, failing which the declaration will be regarded as “DO NOT ACCEPT ALL” and the bid will be disqualified.

## SPECIAL CONDITIONS OF CONTRACT

1. **CONTRACTING CONDITIONS**
	1. **Formal Contract. The Supplier must enter into a formal written Contract (Agreement) with SITA.**
	2. **Right of Award.** SITA reserves the right to award the contract for required goods or services to multiple Suppliers.
	3. **Right to Audit. SITA reserves the right, before entering into a contract, to conduct or commission an external service provider to conduct a financial audit or probity to ascertain whether a qualifying bidder has the financial wherewithal or technical capability to provide the goods and services as required by this tender.**
2. **DELIVERY ADDRESS.** The supplier must deliver the required products or services at as indicated in Section 2.2, Delivery Address
3. **DELIVERY SCHEDULE**
	1. The scope of work (Section 2.1) and Section 3 (Requirements) must be completed within 4 weeks after the contract has been awarded.
	2. The Supplier is responsible to perform the work as outlined in the following Breakdown Structure (WBS):

| **WBS** | **Statement of Work** | **Delivery Timeframe** |
| --- | --- | --- |
|  |
|  | Supply, install and configure network cabling. | 4 weeks after an award. |
|  | Repair, label, and test existing network points. | 4 Weeks after an award. |
|  | Supply, install and configure network switches. | 4 Weeks after an award. |
|  | Provide 7 x Schematics network layout. | 4 Weeks after an award. |

1. **SUPPLIER PERFORMANCE REPORTING**
	1. **The Supplier will report on a weekly basis to SITA/Client during the design, installation and implementation phase of the project; weekly written reports are to be presented to the SITA/Client on the progress of the preceding week until installation process has been completed.**
	2. **Quarterly meetings to be scheduled between SITA/Client and service provider and also ADHOC meetings from both sided.**
	3. **The Supplier is required to generate regular reports as outputs during the maintenance and support cycle within the following service levels (the report type will drive the service level agreement; definition of the content of each report type will be finalised at the time of concluding the contracted service level agreement).**
2. **CERTIFICATION, EXPERTISE AND QUALIFICATION**
	1. The **Supplier** must use technical employees who are OEM/OSM certified for the entire period of the contract.
	2. **The Supplier represents that,**
		1. **it has the necessary expertise, skill, qualifications and ability to undertake the work required in terms of the Statement of Work or Service Definition and;**
		2. **it is committed to provide the Products or Services; and**
		3. **perform all obligations detailed herein without any interruption to the Customer.**
	3. The Supplier must provide the service in a good and workmanlike manner and in accordance with the practices and high professional standards used in well-managed operations performing services similar to the Services;
	4. The Supplier must perform the Services in the most cost-effective manner consistent with the level of quality and performance as defined in Statement of Work or Service Definition;
	5. **Original Equipment Manufacturer (OEM) or Original Software Manufacturer (OSM) work. The Supplier must ensure that work or service is performed by a person who is certified by Original Equipment Manufacturer or Original Software Manufacturer.**
3. **LOGISTICAL CONDITIONS**
	1. **Hours of work**, 08h00 – 16h30.
	2. Provision to be made for work which will be Saturday and Sunday at the Head Office for two weekends.
	3. In the event that SITA grants the Supplier permission to access SITA's Environment including hardware, software, internet facilities, data, telecommunication facilities and/or network facilities remotely, the Supplier must adhere to SITA's relevant policies and procedures (which policy and procedures are available to the Supplier on request) or in the absence of such policy and procedures, in terms of, best industry practice.
	4. **Tools of Trade**. The Supplier must bring their necessary tools of trade in order for them to perform their duties adequately.
	5. **Support and Help Desk**. After hours helpdesk support is required for the period of the first three months per site during weekdays including weekends and public holidays.
4. **REGULATORY, QUALITY AND STANDARDS**
	1. **The Supplier must for the duration of the contract ensure compliance with ISO/IEC General Quality Standards, ISO27001, and Protection of Personal Information Act (POPIA).**
	2. **The Supplier must for the duration of the contract ensure compliance with General Quality Standards, ISO 9001.**
5. **PERSONNEL SECURITY CLEARANCE**
	1. **The Supplier personnel who are required to work with GOVERNMENT CLASSIFIED information or access government RESTRICTED areas must be a South African Citizen and at the expense of the Supplier be security vetted (pre-employment screening, criminal record screening and credit screening).**
	2. **The Supplier must ensure that the security clearances of all personnel involved in the Contract remains valid for the period of the contract.**
	3. **The Supplier must provide proof of security vetting.**
6. **CONFIDENTIALITY AND NON-DISCLOSURE CONDITIONS**
	1. **The Supplier, including its management and staff, must before commencement of the Contract, sign a non-disclosure agreement regarding Confidential Information.**
	2. Confidential Information means any information or data, irrespective of the form or medium in which it may be stored, which is not in the public domain and which becomes available or accessible to a Party as a consequence of this Contract, including information or data which is prohibited from disclosure by virtue of:
		1. the Promotion of Access to Information Act, 2000 (Act no. 2 of 2000);
		2. being clearly marked "Confidential" and which is provided by one Party to another Party in terms of this Contract;
		3. being information or data, which one Party provides to another Party or to which a Party has access because of Services provided in terms of this Contract and in which a Party would have a reasonable expectation of confidentiality;
		4. being information provided by one Party to another Party in the course of contractual or other negotiations, which could reasonably be expected to prejudice the right of the non-disclosing Party;
		5. being information, the disclosure of which could reasonably be expected to endanger a life or physical security of a person;
		6. being technical, scientific, commercial, financial and market-related information, know-how and trade secrets of a Party;
		7. being financial, commercial, scientific or technical information, other than trade secrets, of a Party, the disclosure of which would be likely to cause harm to the commercial or financial interests of a non-disclosing Party; and
		8. being information supplied by a Party in confidence, the disclosure of which could reasonably be expected either to put the Party at a disadvantage in contractual or other negotiations or to prejudice the Party in commercial competition; or
		9. information the disclosure of which would be likely to prejudice or impair the safety and security of a building, structure or system, including, but not limited to, a computer or communication system; a means of transport; or any other property; or a person; methods, systems, plans or procedures for the protection of an individual in accordance with a witness protection scheme; the safety of the public or any part of the public; or the security of property; information the disclosure of which could reasonably be expected to cause prejudice to the defence of the Republic; security of the Republic; or international relations of the Republic; or plans, designs, drawings, functional and technical requirements and specifications of a Party, but must not include information which has been made automatically available, in terms of the Promotion of Access to Information Act, 2000; and information which a Party has a statutory or common law duty to disclose or in respect of which there is no reasonable expectation of privacy or confidentiality;
	3. Notwithstanding the provisions of this Contract, no Party is entitled to disclose Confidential Information, except where required to do so in terms of a law, without the prior written consent of any other Party having an interest in the disclosure;
	4. Where a Party discloses Confidential Information which materially damages or could materially damage another Party, the disclosing Party must submit all facts related to the disclosure in writing to the other Party, who must submit information related to such actual or potential material damage to be resolved as a dispute;
	5. Parties may not, except to the extent that a Party is legally required to make a public statement, make any public statement or issue a press release which could affect another Party, without first submitting a written copy of the proposed public statement or press release to the other Party and obtaining the other Party's prior written approval for such public statement or press release, which consent must not unreasonably be withheld.
7. **GUARANTEE AND WARRANTIES****.** The Supplier warrants that:
	1. The warranty of goods supplied under this contract remains valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier;
	2. as at Commencement Date, it has the rights, title and interest in and to the Product or Services to deliver such Product or Services in terms of the Contract and that such rights are free from any encumbrances whatsoever;
	3. the Product is in good working order, free from Defects in material and workmanship, and substantially conforms to the Specifications, for the duration of the Warranty period;
	4. during the Warranty period any defective item or part component of the Product be repaired or replaced within 3 (three) days after receiving a written notice from SITA;
	5. the Products is maintained during its Warranty Period at no expense to SITA;
	6. the Product possesses all material functions and features required for SITA’s Operational Requirements;
	7. the Product remains connected or Service is continued during the term of the Contract;
	8. all third-party warranties that the Supplier receives in connection with the Products including the corresponding software and the benefits of all such warranties are ceded to SITA without reducing or limiting the Supplier’s obligations under the Contract;
	9. no actions, suits, or proceedings, pending or threatened against it or any of its third-party suppliers or sub-contractors that have a material adverse effect on the Supplier’s ability to fulfil its obligations under the Contract exist;
	10. SITA is notified immediately if it becomes aware of any action, suit, or proceeding, pending or threatened to have a material adverse effect on the Supplier’s ability to fulfil the obligations under the Contract;
	11. any Product sold to SITA after the Commencement Date of the Contract remains free from any lien, pledge, encumbrance or security interest;
	12. SITA’s use of the Product and Manuals supplied in connection with the Contract does not infringe any Intellectual Property Rights of any third party;
	13. the information disclosed to SITA does not contain any trade secrets of any third party, unless disclosure is permitted by such third party;
	14. it is financially capable of fulfilling all requirements of the Contract and that the Supplier is a validly organized entity that has the authority to enter into the Contract;
	15. it is not prohibited by any loan, contract, financing arrangement, trade covenant, or similar restriction from entering into the Contract;
	16. the prices, charges and fees to SITA as contained in the Contract are at least as favourable as those offered by the Supplier to any of its other customers that are of the same or similar standing and situation as SITA; and
	17. any misrepresentation by the Supplier amounts to a breach of Contract.
8. **INTELLECTUAL PROPERTY RIGHTS**
	1. SITA retains all Intellectual Property Rights in and to SITA's Intellectual Property. As of the Effective Date, the Supplier is granted a non-exclusive license, for the continued duration of this Contract, to perform any lawful act including the right to use, copy, maintain, modify, enhance and create derivative works of SITA's Intellectual Property for the sole purpose of providing the Products or Services to SITA pursuant to this Contract; provided that the Supplier must not be permitted to use SITA's Intellectual Property for the benefit of any entities other than SITA without the written consent of SITA, which consent may be withheld in SITA's sole and absolute discretion. Except as otherwise requested or approved by SITA, which approval is in SITA's sole and absolute discretion, the Supplier must cease all use of SITA's Intellectual Property, at of the earliest of:
		1. termination or expiration date of this Contract;
		2. the date of completion of the Services; and
		3. the date of rendering of the last of the Deliverables.
	2. If so required by SITA, the Supplier must certify in writing to SITA that it has either returned all SITA Intellectual Property to SITA or destroyed or deleted all other SITA Intellectual Property in its possession or under its control.
	3. SITA, at all times, owns all Intellectual Property Rights in and to all Bespoke Intellectual Property.
	4. Save for the license granted in terms of this Contract, the Supplier retains all Intellectual Property Rights in and to the Supplier’s pre-existing Intellectual Property that is used or supplied in connection with the Products or Services.
	5. Provide SITA with the compliant safety file.
9. **SUPPLIER DUE DILIGENCE**

SITA reserves the right to conduct supplier due diligence prior to final award or at any time during the Contract period and this may include pre-announced/ non-announced site visits. During the due diligence process the information submitted by the bidder will be verified and any misrepresentation thereof may disqualify the bid or Contract in whole or parts thereof.

1. **PREFERENCE GOAL REQUIREMENTS**
	1. The Bidder’s **commitment** for the **Preference Goal Requirements** in this tender will be **legally binding** and the Bidder needs to **perform against their commitment** for the duration of the contract which will form part of the Contractual Agreement.
	2. The Bidder **must sustain, or improve** the company’s **BBBEE Level** for the duration of the contact which will form part of the Contractual Agreement.
	3. **Performance of Preference Goal Requirements will be determined annually**. Bidders must submit their Preference status report indicating progress against the Bidder’s Preferential commitments within 30 days of the yearly anniversary of the contract.
	4. Bidders need to keep auditable substantive records / evidence and upon request by **SITA** must be made available for audit and, or due diligence purposes.
	5. **SITA reserves the right** **to** require from a Bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim with regards to preferences, in any manner required by SITA.
	6. **SITA reserves the right to** verify information / evidence provided by the Bidder.
	7. **SITA reserves the right to** introduce a **penalty of 1%** of the overall annual year spent by **SITA** for the prior year if the Bidder fails to comply to **paragraphs (a), (b) and (c) above.**

## DECLARATION OF COMPLIANCE

|  | **ACCEPT ALL** | **DO NOT ACCEPT ALL** |
| --- | --- | --- |
| 1. The bidder declares to ACCEPT ALL the Special Condition of Contract as specified in section 7.2 above by indicating with an “X” in the “ACCEPT ALL” column, OR
2. The bidder declares to NOT ACCEPT ALL the Special Conditions of Contract as specified in section 7.2 above by -
	1. Indicating with an “X” in the “DO NOT ACCEPT ALL” column, and;
	2. Provide reason and proposal for each of the conditions that is not accepted.
 |  |  |
| **Comments by bidder:**Provide reason and proposal for each of the conditions not accepted as per the format:Condition Reference:Reason:Proposal: |

* 1. COSTING AND PREFERENCE

# COSTING AND PREFERENCE

## COSTING AND PREFERENCE EVALUATION

1. In terms of the SITA Preferential Procurement Policy (PPP), the following preference point system is applicable to all Bids:
	1. the 80/20 system (80 Price, 20 B-BBEE) for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); or
	2. the 90/10 system (90 Price and 10 B-BBEE) for requirements with a Rand value above R50 000 000 (all applicable taxes included).
2. The Applicable Preference Point system for this tender is the **80/20** preference point system.
3. Points for this tender shall be awarded for:
	1. Price; and
	2. Preference points for specific goals.
4. The maximum points for this tender will be allocated as follows, subject to par.2.

 **Table: Points allocation**

|  |  |
| --- | --- |
| **Description** | **Points** |
| Price | **80** |
| Preference points for specific goals | **20** |
| Total points for Price and preference points for specific goals | 100 |

## COSTING AND PRICING CONDITIONS

1. **SOUTH AFRICAN PRICING**

The total price must be VAT inclusive and be quoted in South African Rand (ZAR).

1. **TOTAL PRICE**
	1. Bidder will be bound by the following general costing and pricing conditions and SITA reserves the right to negotiate the conditions or automatically disqualify the bidder for not accepting these conditions:
	2. All quoted prices are the total price for the entire scope of required services and deliverables to be provided by the bidder.
	3. The cost of delivery, labour, S&T, overtime, etc. must be included in this bid.
	4. All additional costs must be clearly specified.
	5. SITA reserves the right to: negotiate pricing with the successful bidder prior to the award as well as envisaged quantities.
	6. These conditions will form part of the Contract between SITA and the bidder. However, SITA reserves the right to include or waive the condition in the Contract.
	7. The bidder must complete the declaration of acceptance as per **section 8.3** below by marking with an “X” either “ACCEPT ALL”, or “DO NOT ACCEPT ALL”, failing which the declaration will be regarded as “DO NOT ACCEPT ALL” and the bid will be disqualified.
2. **RATE OF EXCHANGE PRICING INFORMATION**
3. **Local Price** means the portion of the TOTAL price that is NOT dependent on the Foreign Rate of Exchange (ROE) and;
4. **Foreign Price** means the portion of the TOTAL price that is dependent on the Foreign Rate of Exchange (ROE).
5. **Exchange Rate** means the ROE (ZA Rand vs foreign currency) as determined at time of bid.
6. **BID EXCHANGE RATE CONDITIONS**

The bidders must use the exchange rate provided below to enable SITA to compare the prices provided by using the same exchange rate:

|  |  |
| --- | --- |
| **Foreign currency** | **South African Rand (ZAR) exchange rate**  |
| 1 US Dollar |  R17,77  |
| 1 Euro |  R19,91  |
| 1 Pound |  R22,96  |

## DECLARATION OF ACCEPTANCE

|  | **ACCEPT ALL** | **DO NOT ACCEPT ALL** |
| --- | --- | --- |
| 1. The bidder declares to ACCEPT ALL the Costing and Pricing conditions as specified in section 8.2 above by indicating with an “X” in the “ACCEPT ALL” column, or
2. The bidder declares to NOT ACCEPT ALL the Costing and Pricing Conditions as specified in section 8.2 above by -
	1. Indicating with an “X” in the “DO NOT ACCEPT ALL” column, and;
	2. Provide reason and proposal for each of the condition not accepted.
 |  |  |
| **Comments by bidder:**Provide the condition reference, the reasons for not accepting the condition. |

## PREFERENCE REQUIREMENTS

# 8.4.1 INSTRUCTION AND POINT ALLOCATION

1. **The bidder must complete in full all the PREFERENCE requirements.**
2. **Allocation of points per requirements:** The points allocation of bidders’ responses to the requirements will be determined by the completeness, relevance and accuracy of substantiating evidence.
3. Points will be allocated for each **PREFERENCE requirement** as per the criteria set in each section in the **table 1** below.
4. **The bidder must provide a unique reference number** (e.g. binder/folio, chapter, section, page) to locate substantiating evidence in the bid response. During evaluation, SITA reserves the right to treat substantiation evidence that cannot be located in the bid response, as “NOT COMPLY”. The evidence needs to be attached to **ANNEX B**.
5. **Preference Goal Requirements:**
	1. The applicable Preference Point system for this tender and points claimed is **80/20.**
	2. The specific Preferential Goal Requirements for this tender is indicated in **table 1** below.
	3. The Bidder must complete the **80/20** preference point system and submit proof or documentation required in terms of this tender.
	4. The Bidder **must** indicate their commitment to claim points for each of the preference points **by signing at par. 4.5 in the Invitation to Bid document**.
	5. Failure on the part of a bidder to submit proof or documentation required or to comply to paragraph (d) above in terms of this tender to claim preference points for the **Preference Goal Requirements** for this tender, will be interpreted to mean that preference points are not claimed.
	6. Failure on the part of a bidder to submit proof or documentation required in terms of this tender to claim preference points for the **Preference Goal Requirements** for this tender, will be interpreted to mean that preference points are not claimed.
	7. The Bidder’s **commitment** for the **Preference Goal Requirements** in this tender will be **legally binding** and the Bidder needs to **perform against their commitment** for the duration of the contract which will form part of the Contractual Agreement.
	8. The Bidder **must sustain, or improve** the company’s BBBEE Level for the duration of the contact which will form part of the Contractual Agreement.
	9. **Performance of Preference Goal Requirements will be determined annually**. Bidders must submit their Preference status report indicating progress against the Bidder’s Preferential commitments within 30 days of the yearly anniversary of the contract.
	10. Bidders need to keep auditable substantive records / evidence and upon request by **SITA** must be made available for audit and, or due diligence purposes.
	11. **SITA reserves the right** **to** require from a Bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim with regards to preferences, in any manner required by SITA.
	12. **SITA reserves the right to** verify information / evidence provided by the Bidder.
	13. **SITA reserves the right to** introduce a **penalty of 1%** of the overall annual year spent by **SITA** for the prior year if the Bidder fails to comply to **paragraphs (f), (g) and (h) above.**

**Table 1: Preference Goal Requirements**

|  |  |
| --- | --- |
| **Preferential Goal Requirements** | **Preferential Goal Requirements for (80/20) system** |
| **Preferential Goal Requirements allocated for this tender** | **Number of pointsallocated(80/20) system(To be completed by the organ of state)** | **Substantiating evidence and evidence reference to be completed by bidder.** Evaluation per requirement: Each requirement indicated in the tables below must be completed and points will be allocated based on the evidence required below for the **(80/20) system** | **Evidence reference for the (80/20) system** |
| **BBBEE:** | **10,0** |  |
| BBBEE RequirementsPromotion of Transformational Objectives. | 10,0 | **Evidence:**The Bidder must provide a copy of relevant evidence for the Preferential Goal points which the Bidder qualifies for.**Points allocation:**Points will be allocated in line with the BBBEE table 2 in section 8.4.1. | <provide unique reference to locate (80/20) system substantiating evidence in the bid response – Annex B, section 10> |
| **Specific Goals:** | **10,0** |  |
| The **promotion of Designated Sectors**: in line with the LOCAL CONTENT obligations as prescribed by the dtic for designated sector. | 10,0 | **Evidence:**Bidder must complete, sign and submit the Local Content Requirements as indicated in **Annex D.****Points allocation:**0 points = Zero % Local Content;5 point = 1 to 89% Local Content;10 points = 90 % or greater Local Content. | <provide unique reference to locate substantiating evidence in the bid response – Annex B, section 10> |
| **Total Point Allocation:** | **20,0** |  |

**Table 2: B-BBEE Points as part of the Preference Goal requirements.**

| **B-BBEE Status Level of Contributor** | **Number of points****(80/20 system)** |
| --- | --- |
| **Max # Points allocated for BBBEE as part of Total Points allocated** | **10** |
| 1 | 10 |
| 2 | 9 |
| 3 | 6 |
| 4 |  5 |
| 5 | 4 |
| 6 | 3 |
| 7 | 2 |
| 8 | 1 |
| Non-compliant contributor | 0 |

* 1. Terms and definitions

# ABBREVIATIONS

|  |  |
| --- | --- |
| **Abbreviations** | **Description** |
| AP | Access Point |
| B-BBEE | Broad-Based Black Economic Empowerment |
| Cat 5e | Category 5e |
| Cat 6 | Category 6 |
| COC | Certificate of Compliance |
| CPU | Central Processing Unit |
| CSD | Central Supplier Database |
| GB | Gigabyte |
| Gbps | Gigabits per second |
| GITO | Government Information Technology Officers’ Council |
| kVA | Kilovolt-ampere |
| LAN | Local Area Network |
| LC | Lucent Connector / Little Connector |
| LDARD | Limpopo Department of Agriculture and Rural development |
| OEM | Original Equipment Manufacturer |
| OTDR | Optical Time Domain Reflectometer |
| POE | Power over Ethernet |
| PPPFA | Preferential Procurement Policy Framework Act |
| RAM | Random Access Memory |
| RAM | Random Access Memory |
| S&T | Subsistence and Travel |
| SC | Square Connector / Subscriber Connector |
| SFP | Small Form Factor |
| SITA | State Information Technology Agency |
| UPS | Uninterrupted Power Supply |
| USB | Universal Serial Bus |
| UTP | Unshielded Twisted Pair |
| ZAR | South African Rand |

1. BIDDER SUBSTANTIATING EVIDENCE

# MANDATORY REQUIREMENT EVIDENCE

## BIDDER ****CERTIFICATION / AFFILIATION REQUIREMENTS****

Attach a copy of a valid documentation certificates or letters from OSM/OEM indicating the bidder is a registered OSM/OEM partner to Supply, Install and Configure the Networking Cabling Solution including Switches and Access Points.

## BIDDER ****EXPERIENCE AND CAPABILITY REQUIREMENTS****

Complete table below, noting that:

1. Provide reference from at least one (1) customer to whom the Supply, Install and Configure the Networking Cabling Solution including Switches and Access Points was delivered in the past five (5) years.
2. Scope of work must be related.

Table 1: References

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Company name** | **Reference Person Name, Tel and/or email** | **Project Scope of work**  | **Project Start and End-date** |
| 1 | <Company name> | <Person Name><Tel><email> | < Provide details of project scope where Supply, Installation and Configuration of Network Switches and Access points was delivered | Start Date:End Date: |

## PRODUCT**/ **SERVICE REQUIREMENT****

The bidder must confirm that they comply with the Product / Service Requirements by completing Annex C: Addendum 1.

## CIDB REGISTRATION REQUIREMENT

(a) The Bidder needs to complete and sign Annex E as evidence that the bidder is registered with the CIDB with a minimum rating 1EP or 1EB or higher and attach this to Annex B.

and,

(b) The Bidder needs to also attach proof of CIDB registration with Annex E here.

## PREFERENTIAL ****GOAL REQUIREMENTS****

The Bidder **must**:

* 1. **Preference Goal Requirements: (80/20 system)**
		1. Provide a copy of relevant proof of B-BBEE status level of contributor as defined in the Broad-Based Black Economic Empowerment Act as set out in **table 1** in section 8.4.1 and **attach it here**.

**and,**

* + 1. Complete, sign and submit the Local Content Requirements as indicated in Annex D and **attach it here**.

**and,**

* 1. Indicate their **commitment** to claim points for each of the preference points **by signing at par 4.5 in the Invitation to Bid document**.

**NOTE (1):**

**Failure on the part of a bidder to comply to paragraphs (a) and (b) above, will be interpreted to mean that preference points are not claimed.**

**NOTE (1):**

**Failure on the part of a bidder to comply to paragraphs (a) and (b) above, will be interpreted to mean that preference points are not claimed.**

1. ADDENDUM 1

**NB: The bidder must confirm that they comply with the following Service / Product Requirements as indicated below as this will be legal contractual binding:**

**Table 2: Service / Product Requirements**

1. Switches

| **No** | **Project Scope of work**  | **Quantity** | **Indicate** **Yes = Comply/** **No= Not Comply**  |
| --- | --- | --- | --- |
|  |  **PRODUCT OR SERVICE TECHNICAL REQUIREMENTS** The switches must meet the following requirements:

|  |  |
| --- | --- |
| Enclosure Type | Rack-mountable - 1U |
| Feature Set | LAN base |
| Uplink Interfaces | 2 x 10G SFP |
| Ports | 24 x 10/100/1000 POE+ Ethernet ports |
| **Available PoE Power** | 390w |
| **Maximum stacking number** | 9 |
| **Stack bandwidth** | 160 Gbps |
| **Forwarding Bandwidth** | 68.45Mpps |
| **Switching Capacity** | 88Gbps |
| **RAM** | 4 G |
| **Flash Memory** | 2G |
| **Number of AP per switch/stack** | 25 |
| **Number of wireless clients per switch/stack** | 1000 |

 | 16 |  |

1. Access points

| **No** | **Project Scope of work**  | **Quantity** | **Indicate** **Yes = Comply/** **No= Not Comply**  |
| --- | --- | --- | --- |
|  |  **PRODUCT OR SERVICE TECHNICAL REQUIREMENTS** The access points must meet the following requirements:

|  |  |
| --- | --- |
| **Antennas** | Internal Antennas |
| **Interfaces** | - 2 Ethernet ports- 100/1000/2500/5000 Multigigabit Ethernet (RJ-45)- CAT 5e cabling- Higher-quality 10GBASE-T (CAT 6/6a) cabling- 100/1000BASE-T autosensing (RJ-45 - AUX port)- Management console port (RJ-45) |
| **Features** | - 4x4 MU-MIMO with three spatial streams- MRC- 802.11ac beamforming- 20-, 40-, 80, 160-MHz channels- PHY data rates up to 5.2 Gbps- Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)- 802.11 DFS- CSD support |
| **Regulatory Domain** | E (E regulatory domain):- 2.412 to 2.472 GHz; 13 channels- 5.180 to 5.320 GHz; 8 channels- 5.500 to 5.700 GHz; 8 channels(excludes 5.600 to 5.640 GHz) |
| **System** | - 1024 MB DRAM- 256 MB flash |

 | 3 |  |

I, the bidder (Full names) …………………………………………………. representing (company name) ……………………………………………………………. Hereby confirm that I comply with the above Technical Mandatory Requirements and understand that it will form part of the contract and is legally binding.

Thus done and signed at ……………………………………. On this………day of……………….20….

……………………………….

Signature

Designation:

1. LOCAL PRODUCTION REQUIREMENTS

# Local Content Requirements:

12.1 The bidder must confirm compliance to the Local Content requirements.

12.2 The following documents are attached for guidance in completing the Local Content requirements:

* Document 01: Guidance Document for the Calculation of Local Content.
* Document 02: South African National Standard: Local goods, services and work –

 Measurement and verification of local content.

12.3 The Bidder **must** complete, sign and submit the following documents at bid closure:

* Document 03: [Annexure C](http://www.thedtic.gov.za/wp-content/uploads/IP-annex-c.pdf): Local Content Declaration.

12.4 The following Annexures **should not** be submitted by the bidder, however be kept by the by the bidder and provide the documents upon request:

* Document 04: [Annexure D](http://www.thedtic.gov.za/wp-content/uploads/IP-annex-d.pdf): Imported Content Declaration.
* Document 05: [Annexure E](http://www.thedtic.gov.za/wp-content/uploads/IP-annex-e.pdf): Local Content Declaration.
1. CIDB Requirements

The Bidder needs to complete and sign **ANNEX E** as evidence that the bidder is registered with the CIDB with a minimum, or higher rating of **1EB or 1EP.**

* + - 1. The Bidder needs to indicate their CIDB rating by ticking next to the relevant CIDB rating in the table below:

| **Service and Support (Milestones)** | **CIDB Rating****(minimum, or Higher)** | **Indicate****the CIDB rating here by ticking next to the appropriate rating** | **Bidder to Indicate****the Bidder’s CIDB rating here** |
| --- | --- | --- | --- |
| CIDB Rating | 1EB |  |  |
| 1EP |  |  |

1. The Bidder needs to provide the Bidder’s CRS number in the space in the table below:

|  |  |
| --- | --- |
| **Requirement** | **Bidder CRS Number** |
| Bidder’s CRS number relating to the minimum, or higher rating of **1EB** |  |
| Bidder’s CRS number relating to the minimum, or higher rating of **1EP.** |  |

1. The Bidder confirms and will ensure compliance to the CIDB Basic Guide General Conditions of Contract for Construction Works (GCC 2004) as referred to in **Annex F** for the Bid Specification Scope of work for the duration of the contract.

I, the Supplier (Full names) …………………………………………………. representing (company name) ……………………………………………………………. hereby confirm that the Bidder is registered with Construction Industry Development Board (CIDB) and understand that it will form part of the contract and is legally binding.

Thus done and signed at ……………………………………. On this………day of……………….20….

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Signature Designation**:

1. CIDB BASIC GUIDE GENERAL CONDITIONS OF CONTRACT FOR CONSTRUCTION WORKS (GCC 2004)

Refer to Attached document.