



**RFP60/2022**

**REQUEST FOR PROPOSAL FOR  
INFORMATION AND COMMUNICATION  
TECHNOLOGY (ICT) PANEL OF SERVICE  
PROVIDERS “AS AND WHEN” REQUIRED  
BASIS FOR PERIOD OF 36 MONTHS**

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## 1. Invitation

CENTLEC (SOC) Ltd a Municipal Entity distributing electricity in Mangaung and other Municipalities invites a Panel of ICT Service Providers with their professional teams to submit their proposals for information and communication, for a period of thirty-six (36) months.

## 2. Minimum Requirements

- 2.1. Supply unique security personal identification number (PIN) and/or original TAX Clearance Certificate for TAX compliant status.
- 2.2. Supply municipal services (water, sanitation, rates and electricity) clearance certificate or Lease Agreement with a current Bill and rates clearances, or Current Bill of Account not owing more than 30 days. In a case where the services are paid for the Landlord must sign the lease agreement signed by the applicable stakeholders.
  - 2.2.1. In an event, that the Bidder utilizes prepaid services (e.g. Water or electricity) a valid municipal clearance certificate(s) must still be provided.
  - 2.2.2. Bidders that are CENTLEC (SOC) Ltd customers are also expected to attach a valid electricity clearance certificate.
- 2.3. The bidder must be registered on the National Treasury Centralized Suppliers Database

### 3. Scope of work

CENTLEC will consider bidders for appointment on different RFP categories: Bidder will provide services. These services will be “as and when required” for 3.1, 3.2, 3.3, 3.4. Category in 3.4 will have once off project cost implementation with continuous support and maintenance for duration of the contract.

#### 3.1. Category A: ICT Advisory consulting service

3.1.1. ICT Governance

3.1.2. Cyber Security Advisory

3.1.3. Digital and Analytics

#### 3.2. Category B : ICT Hardware Supply

3.2.1 Supply and delivery of ICT hardware with 3 years warranty and 5 years for servers. (spec based on CENTLEC requirements)

#### 3.3. Category C: ICT Software solutions development

3.3.1 Development of e-Government solutions and development

#### 3.4. Category D : Radio Telecommunication System

3.4.1 Supply and delivery of radio systems and portable devices

### 4. Technical Specification

#### Category A: ICT Advisory consulting services (as and when required)

| Item descriptions       | Specifications   |
|-------------------------|--|
| ICT Governance          | <ol style="list-style-type: none"><li>1. Policies drafting and review</li><li>2. Procedures drafting and review</li><li>3. ICT Strategy formulation and review</li><li>4. ICT Framework drafting and reviews</li></ol> |
| Cyber Security Advisory | <ol style="list-style-type: none"><li>1. Cyber Security strategy access and implementation</li></ol>   |

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|                              | <ol style="list-style-type: none"> <li>2. Perform penetration test and reports on intrusions for cyber</li> <li>3. Cybersecurity risks and vulnerabilities scans for intrusion ports and vulnerabilities</li> <li>4. POPI Act compliance formulation</li> </ol> |
| <b>Digital and Analytics</b> | <ol style="list-style-type: none"> <li>1. Data management assessment</li> <li>2. Data Analytics for assessment and implementation</li> <li>3. Implement and assessment of Data Mining analysis on meter systems</li> </ol>                                      |

**Category B: ICT Hardware Supply** (as and when required)

Supply of hardware is according to CENTLEC specification

| <b>Item descriptions</b>  | <b>Specifications</b>  |
|---------------------------|--|
| <b>Desktops computers</b> | <ol style="list-style-type: none"> <li>1. Intel core i5- latest gen dell or equivalent (12MB Cache, Up to 4.6GHz) vPro, 8GB (1X8GB) DDR4 2666MHz, 256GB SSD PCIe M.2, Integrated Graphics, 8x DVD+/-RW, No BT &amp; WL, MS116 USb Optical Mouse, KB216 USB Keyboard, 260W PSU, dell, Windows 10 Professional, 3Yr Pro Support Warranty</li> </ol> <p><b>Intel Core i7- latest gen dell or equivalent</b><br/>Processor (16MB Cache; 2.9GHz); 8GB (1x8GB) DDR4 2666MHz; 512GB</p> |

|                |   |
|----------------|---|
|                | <p>M.2 PCIe NVMe SSD; No Optical Drive; NVIDIA GeForce GT730 2GB GDDR5 Graphics; 802.11ac 1x1 Wi-Fi &amp; Bluetooth; Mouse slot MS116 Black; USb Wired Keyboard KB216 Black (US/International); Windows 10 Professional (64bit); dell, 3Yr Basic Warranty Onsite support</p> <p>2. Intel Core i7-latest gen dell or equivalent Processor (16MB Cache, 2.9GHz), 16GB (1x16GB) DDR4 2933MHz, 512GB M.2 PCIe NVMe SSD, Tray load DVD Drive (Reads and Writes to DVD), NVIDIA GeForce GT1030 2GB GDDR5 Graphics, 802.11ac 1x1 Wi-Fi &amp; Bluetooth, Wired Mouse MS116 Black, USb Wired Keyboard KB216 Black (US/International), Windows 10 Professional (64bit), dell, 3Yr Pro Support</p> |
| <b>Laptops</b> | <p>1. 14-inch core i5 - latest gen dell or equivalent -1145(Up To G8)16GB RAM DDR4MEMORY, 512GB SSD PCIE M.2 CLASS 35, intel dual band wireless ax201 n015l542014emea-4g 10210(up to 4.20 ghz, 6m cache), 14.0 fhd (1920 x 1080)anti-glare, +Bluetooth, 4-cell 68whr battery, card intel 7360 lte, windows 10pro (64 bit) , 3yr basic onsite + Built-In 3g</p>  |

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|   | <ol style="list-style-type: none"> <li>2. 15-inch FHD (1920 x 1080) Anti-Glare, Core i7- latest gen dell or equivalent 16GB RAM 512GB SSD 16GB (1x16GB) 3200MHz DDR4 Memory, 512GB SSD PCIe M.2, Intel Dual Band N028L542014EMEA-4G</li> <li>3. 16 –inch Intel core i7 - latest gen dell or equivalent (Up to 8.20 GHz, 12M cache), Intel Iris XE Graphics, 14.0" Wireless AX201 + Bluetooth, 4-cell battery, 90W AC Adaptor, Fingerprint Reader, Built in Camera &amp; Microphone, Windows 10 Pro (64 Bit), 3yr Pro Support Warranty + built-in 3g</li> </ol> |
| <b>Desktop Screens Dell or equivalent</b> | <ol style="list-style-type: none"> <li>1. 19" QHD</li> <li>2. 24" QHD</li> <li>3. 32"QHD</li> <li>4. 34WHQ</li> <li>5. 27" LED</li> <li>6. 31" LED</li> <li>7. 64" UHD</li> </ol>  |
| <b>Hp Servers or equivalent</b>           | <ol style="list-style-type: none"> <li>1. Dual Socket P (LGA 3647) support or latest Hp or equivalent latest Gen Intel® Xeon® Scalable processors (Cascade Lake/Skylake)‡ 24 DIMMs; up to 6TB 3DS ECC DDR4-933MHz† RDIMM/LRDIMM, Supports Intel® Optane™ DCPMM††</li> </ol>  |

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|---|----|---|
|   | 2  | PCI-E 3.0 x16 slots (FH, 10.5" L), 2 PCI-E 3.0 x8 slots (1 LP, 1 internal LP) 4 10GBase-T Ethernet ports 4 Hot-swap 3.5" Drive Bays; Optional M.2 NVMe and SATA3 ports<br>8 Heavy duty fans w/ optimal fan speed control<br>750W Redundant Power Supplies |
| <b>Laptop Charger</b>   | 1. | Standard laptop charger for different Brands  |
| <b>Hp Server Drives or equivalent</b>   | 1. | SAS drives 12gb/s 1.2 T   |
| <b>Servers power supply</b>   | 1. | U 800/1000W Redundant Single Output Power Supply Titanium Level, CRPS 203mm length  |
| <b>Hp Storage Servers or equivalent</b> with<br>iLO Adv Elec Lic 3yr Support, MSA Family Startup SVC<br>3Y TC Ess DL380 Gen10 SVC<br>Foundation Care 24x7 Service, HW, SW, and Collab Support, 3 year<br>Install DL38x(p) SVC | 1  | DL380 Latest Generation 4210 1P 32G NC 8SFF Svr , Intel Xeon-S 4210 Kit for DL380 Gen10. 32GB 2Rx4 PC4-2933Y-R Smart Kit 300GB SAS 10K SFF SC DS HDD, 10/25GbE 2p SFP28 BCM57414 Adptr, SN1100Q 16Gb 2p FC HBA, 500W FS Plat Ht Plg LH Pwr Sply Kit,      |
|   | 2. | Latest Gen 2U Bezel Kit<br>MSA 2062 16Gb FC LFF Strg Bezel Lock Kit<br>MSA 16Gb SW FC SFP 4pk XCVR<br>MSA 18TB SAS 7.2K LFF M2 HDD<br>MSA 108TB 7.2K LFF M2 6pk HDD Bdl   |



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|  | <p>Premier Flex LC/LC OM4 2f<br/>5m Cbl Arxscan Arxview<br/>MSA /Array 1y Sub E-LTU</p> <p>3. Dual Socket P (LGA 3647)<br/>support latest Generation<br/>Intel® Xeon® Scalable<br/>processors (Cascade<br/>Lake/Skylake)‡<br/>16 DIMMs; up to 4TB 3DS<br/>ECC DDR4-<br/>2933MHz† RDIMM/LRDIM<br/>M, Supports Intel®<br/>Optane™ DCPMM†† 4<br/>PCI-E 3.0 x16, 2 PCI-E 3.0<br/>x8 slots 8 Hot-swap 3.5"<br/>SATA3 drive bays; RAID 0,<br/>1, 5, 10 Optional DVD-ROM<br/>drive, optional support: 2<br/>fixed 2.5"<br/>NVMe/SSD/HDD, 1 M.2<br/>support M.2 Interface: PCI-<br/>E 3.0 x4 M.2 Form<br/>Factor: 2260, 2280, 22110<br/>M.2 Key: M-Key 2x 1GbE<br/>LAN ports with Intel® X722<br/>1000W Redundant Power<br/>Supplies Titanium<br/>Level (96% efficiency)</p> |
| <b>Epson or equivalent receipt thermal printer</b> | <p>1. TM-T20IIS Epson Serial,<br/>USB Receipt Thermal<br/>Printer – C31CH51011</p>   |
| <b>Fibre connection network</b>                    | <p>1. 10gbase-t sfp+ rj45 30M<br/>cAT6a xcvr<br/>2. 10g sfp+ TO sfp+ 3M dac<br/>cABLE<br/>3. 25g sfp28 lc sr 100M mmf<br/>xcvr</p>   |
| <b>Flash, dvd Drives</b>                           | <p>1. 1 TB Flash drives<br/>2. External DVD<br/>3. 1 TB external drive<br/>4. 4 TB external Drive<br/>5. 10 TB external drive</p>  |

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| <p><b>Audio Devices Phillips or equivalent</b></p>             | <ol style="list-style-type: none"> <li>1. Phillips or equivalent DVT4110 8GB or better Voice Recorder for interviews</li> <li>2. Philips or equivalent Dpm8200 Professional Dictation Recorder with docking station</li> <li>3. PXW-Z190 4K 3-CMOS – canon or equivalent 1/3" Sensor XDCAM Camcorder - Professional digital camera</li> <li>4. D7500 + 18-140mm Lens – DSLR Camera Kit - canon or equivalent Professional digital camera</li> <li>5. Conference Camera Logitech or equivalent Meetup 4K HD Super-wide 120° field of view Motorized pan/tilt and 5x HD zoom Ultra HD 4K image sensor 3-microphones and custom-tuned speaker Razor-sharp optics and 3 camera presets Bluetooth® wireless technology Expansion microphone-ready All-in-one design minimizes clutter</li> </ol> |
| <p><b>Hardware peripherals- Asus , Titan or equivalent</b></p> | <ol style="list-style-type: none"> <li>1. Motherboard: MB Asus Prime A320M-K. Processor manufacturer: AMD, Processor socket: Socket AM4, Supported memory types: DDR4-SDRAM, Memory slots type: DIMM, Supported storage drive interfaces: M.2, PCI</li> </ol>   |

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|                  | <p>Express 3.0, and Serial ATA. Maximum graphics adapter memory: 2048 MB, Graphics adapter family: AMD. HDMI version: 1.4b.</p> <p>2. CPU: Intel Core i7 latest Generation Desktop Processor</p> <p>3. Power supply: Titan S550, Supreme Gaming Power Supply, Quiet 120mm sleeve fan, Single+12V rail design, Supports ATX 12V 2.3 and EPS 12V 2.91c, pliant auto switching circuitry for universal AC input</p> <p>4. Rams: DDR4 8GB</p> <p>5. Rams DDR 4 16GB</p> <p>6. Rams DDR 3 8GB</p> <p>7. HDD: Western Digital, SATA 6.0Gb/s, 1 TB, 7200RPM, Cache 64MB</p> <p>8. Solid states drives for PC: SATA 240Gb SSD or better</p> <p>9. Network tester</p> <p>10. Network crimper</p> <p>11. Cable trunking</p> <p>12. Network tool box</p> |
| <b>UPS</b>       | <p>1. Maintenance and Support for 36 Months</p> <p>2. 91PS and 93PS UPS</p>   |
| <b>Batteries</b> | <p>1. Supply and commissioning</p> <p>2. 12 V batteries</p>   |

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|   | 3. 22 A batteries   |
| <b>PDU</b>  | <ol style="list-style-type: none"> <li>1. Supply and commissioning of PDU and power connection</li> <li>2. Eaton Epdu Ba Ou (C20 16A 1P)</li> </ol>   |
| <b>Server Racks with fans</b>   | <ol style="list-style-type: none"> <li>1. 42"U 1000MM Deep Perforated Metal Door Server/Networking Cabinet</li> <li>2. 19"U Wall Box cabinet</li> <li>3. 6"U Wall mount rack</li> </ol>   |
| <b>Gigabit VLAN · Switches · Managed · Layer 3, Uplink , Fibre channel cord, RJ45 cord and stackable switch</b> | <ol style="list-style-type: none"> <li>1. 24-Port POE Aruba or equivalent Switch Ethernet L3 Fully Managed Pro Switch, 20 x 10GB SFP+, with 4 x 25 GB SFP28 and 2 x 40Gb QSFP+, Support Stacking, Broadcom Chip</li> <li>2. 48-Port POE Aruba or equivalent Switch Ethernet L3 Fully Managed Pro Switch, 20 x 10Gb SFP+, with 4 x 25Gb SFP28 and 2 x 40Gb QSFP+, Support Stacking, Broadcom Chip</li> <li>3. 48-Port POE Aruba or equivalent switch Ethernet L3 Fully Managed Plus Switch, 48 x 10Gb SFP+ with 2 x 40Gb QSFP+ and 4 x 100Gb QSFP28, Support MLAG</li> <li>4. 48-Port POE Aruba or equivalent Switch Ethernet L3 full managed 6300M 24SFP+ 4SFP56</li> </ol> |
| <b>Server rack standard Brush panels and patch panel</b>  | <ol style="list-style-type: none"> <li>1. 1U brush panel</li> <li>2. 48 patch panel</li> <li>3. 24 patch panel</li> </ol>   |
| <b>CAT 6e LAN Cables</b>  | <ol style="list-style-type: none"> <li>1. Cat 6e core 8 rolls</li> </ol>  |

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|  | <ol style="list-style-type: none"> <li>2. Ethernet Flylead – 3 Meter</li> <li>3. Ethernet Flylead – 5 Meter</li> <li>4. Ethernet Flylead – 10 Meter</li> <li>5. 10M HDMI cable</li> <li>6. 30 M HDMI cable</li> </ol>  |
| <b>Projector Epson or equivalent with Wi-Fi dongle</b> | <ol style="list-style-type: none"> <li>1. EH –Tw750 Full HD 1080p with wireless dongle connection projector</li> <li>2. Projector ceiling screen 2440 screen with box</li> <li>3. 150 cm x 150 cm Tripod Screen</li> <li>4. Projector tripod screen 2440*185mm</li> <li>5. Ultra-Link 85" Mobile TV Stand with wheels<br/>Suitable for 32- 85 inch LED, LCD &amp; Plasma Screen<br/>TV height can be adjusted in 3 levels and shelf in 5 levels within 20 cm for the optimal viewing</li> <li>6. Noise cancellation Usb headset</li> </ol> |
| <b>Mouse and Keyboards</b>                             | <ol style="list-style-type: none"> <li>1. Wireless Keyboard</li> <li>2. Wireless Mouse</li> <li>3. USB Keyboards</li> <li>4. USB Mouse</li> </ol>  |
| <b>Infrastructure security devices</b>                 | <ol style="list-style-type: none"> <li>1. 2MP IR Fixed Dome Network IP Camera</li> <li>2. DS-K1T804 Series Finger print Access Control Terminal</li> </ol>   |

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|                                  | <p>3. Server room heat sense monitor 3E Monitor-RA3E-ESO-BAS</p> <p>4. DS-7600NI-K2 SERIES NVR 14 Channel 4K NVR</p>   |
| <b>Wireless devices ubiquity</b> | <p>1. Microwave router ROUERBOARD RB3011 UI AS-RM</p> <p>2. Access Point AP AC PRO 802.11ac Scalable Enterprise Wi-Fi Access Point (UAP-AC-PRO-E-US) PoE Adapter</p> |

**4.1. Category C: ICT Software solutions development ( as and when required)**

CENTLEC will provide the systems requirements.

| <b>Item descriptions</b>    | <b>Specifications</b>  |
|-----------------------------|--|
| <b>Development software</b> | <p>1. Mobile apps development and support</p> <p>2. Development of USSD Code for various applications queries such as finance system and call center for customer queries</p> <p>3. WhatsApp Integrator Services ( Robot chat) for CENTLEC Call Centre Robot Talk Systems for Service delivery</p> <p>4. Online application development - web chat</p> <p>5. Revenue enhancement solutions system on meters</p> <p>6. Data Mining Systems for data analysis</p> <p>7. Centralization of the database systems and business intelligence reporting ( Data Analytics)</p> |

|                              |  |
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| <b>E-governance software</b> | <ol style="list-style-type: none"> <li>1. Provide Website certificates</li> <li>2. Provide template for website coding</li> <li>3. Implementation of Enterprise Resource Planning (ERP) solution</li> <li>4. Provisioning of E-pad signature and integration with various systems for work flows for SCM process</li> <li>5. Adobe sign implementation and integration with various systems for workflows, Adobe Sign enterprise Enterprise Transaction New Microsoft Azure Per Transaction Transaction. Tier 3 2500 to 4999 Transactions</li> </ol> |
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#### 4.2. Category D: Radio Communication system

(Once off Implementation, commissioning with support and maintenance)

| <b>Item descriptions</b>  | <b>Specifications</b>  |
|---|--|
| <b>Portables Radio communication compatible with Vehicle PTT radio for communication. supplied with charging unit</b> | <ol style="list-style-type: none"> <li>1. <b>Smart PTT SE800 Sim Card Dual radio</b>, which does either VHF or UHF Portable radio complete with battery, belt clip, antenna, Real Time GP's tracking, voice recording or charger.<br/>GSM &amp; VHF / GSM &amp; UHF<br/>Only Uses 250mb Data every month to communicate<br/>Uses any Pre-Paid Sim Card<br/>Network: Vodacom, MTN, Cell C, Telkom eg.<br/>These radios have Real-Time GP's tracking and stores info on cloud<br/>Voice recording of all communication between users.<br/>VOIP communication<br/>Can talk across borders<br/>SOS emergency button<br/>1600 channels ( Groups) and 1600 people in each group</li> </ol> |

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|  | <p>Radio alias naming and groups<br/>Remote offsite programming of radios</p> <p><b>2. Smart PTT S100 Sim Card Two-Way Radio</b><br/>Wi-Fi<br/>Bluetooth<br/>NFC Tag Reader<br/>Front and Back Camera / Video Streaming<br/>Android App Ready<br/>Only Uses 250mb Data every month to communicate<br/>Uses any Pre-Paid Sim Card<br/>Network: Vodacom, Mtn, Cell C, Telkom eg.<br/>These radios have Real-Time GP's tracking and stores info on cloud<br/>Voice recording of all communication between users.<br/>VOIP communication<br/>Can talk across borders<br/>SOS emergency button<br/>1600 channels ( Groups) and 1600 people in each group<br/>Radio alias naming and groups<br/>Remote offsite programming of radios</p> |
| <p><b>Vehicle / Base PTT</b> compatible with handheld PTT radio for communication. Supplied with UPS Batteries</p> | <p><b>1. Smart PTT Hytera MNC580 Base/Vehicle Sim Card Two-Way Radio</b> complete with power cable, GP's antenna, radio bracket, WCDMA antenna and microphone.LCD screen for tracking live Bluetooth, Wi-Fi<br/>Only Uses 250mb Data every month to communicate. Uses any Pre-Paid Sim Card Network: Vodacom, MTN, Cell C, Telkom eg. These radios have Real-Time GP's tracking and stores info on cloud, Voice recording of all communication between users.<br/>VOIP communication, Can talk across borders. SOS emergency button<br/>1600 channels ( Groups) and 1600 people in each group, Radio</p>   |



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|  | <p>alias naming and groups, Remote offsite programming of radios</p> <p>2. <b>SMART PTT SE1000 Base/Vehicle Sim Card Two-Way Radio</b><br/>Uses 250mb Data every month to communicate, Uses any Pre-Paid Sim Card Network: Vodacom, MTN, Cell C, Telkom eg. These radios have Real-Time GP's tracking and stores info on cloud Voice recording of all communication between users. VOIP communication .Can talk across borders SOS emergency button 1600 channels ( Groups) and 1600 people in each group Radio alias naming and groups Remote offsite programming of radios</p> |
| <b>Two way base and Vehicle Antenna</b>                        | <p>1. <b>UHF Co-linear Base Radio Antenna 3db Gain</b><br/>Frequency: 430 - 470 Mhz !</p> <p>2. <b>VHF Two Stack Folded Base Radio</b><br/>Antenna Gain 3db Frequency: 136 - 74 Mhz!</p>   |
| <b>Two-Way Radio Antenna's and connectors for frequencies:</b> | <p>1. Mid-Band 66 - 80 Mhz<br/>2. VHF-Band 136 - 174 Mhz<br/>3. UHF-Band 430 - 470 Mhz<br/>WCDMA ( Cellular Band ) GPS Band</p>  |
| <b>Radio Communication server</b>                              | <p>1. Server with High Specification<br/>2. Software installation<br/>3. Setup and configurations for radios</p>   |
| <b>Radio System Management</b>                                 | <p>1. Support , installations and Maintenance for 36 Months<br/>2. Supply and commissioning</p>  |
| <b>Network Coverage</b>  | <p>1. Network communication setup for all different network and redundancy<br/>2. Range All over South Africa</p>  |

## 5. Special Conditions

- 5.1. ICT Service Providers are invited to submit their proposals to perform one or more of the category works in mentioned above.
- 5.2. CENTLEC should engage in annual licensing agreement with the bidder for duration of the contract for services requires licensing
- 5.3. Price change based on the market rate should be done in writing for annual increase
- 5.4. Make equipment, which is out of the market during the contract period, must be done in writing or purchase with extra warranty
- 5.5. It is the responsibility of the bidder to supply new brand with correct specification as per request. CENTLEC will provide the specification based on its preferences
- 5.6. Any other brands similar and specification may be introduced during the contract should what CENTLEC desire is not in the market.
- 5.7. CENTLEC reserves the right, within its sole discretion, to vary or terminate any appointment at any stage whenever it deems necessary.
- 5.8. Any Service provider so appointed shall at times be required to comply with all CENTLEC'S terms and conditions as applicable from time to time.
- 5.9. No fees shall be paid to any service provider in advance. Fees and disbursements shall be paid only for work actually done and billed on the agreed applicable tariff, and no firm shall be paid a deposit on fees/disbursement.
- 5.10. All service providers should provide CENTLEC with a monthly report on all work done for Centlec.
- 5.11. All and any files, document, documentary evidenced, and any aspect of the matter associated with the file shall at all times remain the property of Centlec.
- 5.12. The successful bidder will be expected to enter into a Service Level Agreement with CENTLEC for a period thirty-six (36) months.
- 5.13. Exchange the current digital radios with the current PTT technology for cost reductions.

- 5.14. Implementation of the PTT redundancy with the current infrastructure for smooth switch over
- 5.15. All channel configurations
- 5.16. Service provider for PTT radios should provide the high specification server and software. provide the UPS.

## 6. Technical Evaluation

### Category A: ICT Advisory consulting services

| No.   | Criteria  | Description   | Max points |
|-------|---|---|------------|
| 6.1.1 | <b>Proven track record<br/>(Reference letters to be attached)</b> | Number of year's active and experience gained in this field, to whom services were provided, and a record of services rendered complete with references. Provide documentation to confirm track record.<br>Years in the field:<br>Ten(10) and more years' experience = <b>30 points</b><br>Between four (4) and nine (9) years of experience = <b>20 points</b>   | 30         |
| 6.1.2 | <b>Skills and capacity</b>  | Company Structure with the following certificates for employees<br>CISA Certificates = <b>15 points</b><br>CGETI Certificate = <b>15 points</b><br>CISM Certificate = <b>15 points</b><br>Btech Financial Management or BCompt = <b>10 Point</b>  | 55         |
| 6.1.3 | <b>Lead delivery time</b>   | The bidder must have the ability to deliver documents to CENTLEC as and when requested.<br>Less than 1 week delivery after placement of Purchase Order = <b>(5) points</b><br>1-2 weeks' delivery after placement of Purchase Order = <b>(4) points</b><br>2-4 weeks' delivery after placement of Purchase Order= <b>(3) points</b><br>4-6 weeks' delivery after placement of Purchase Order= <b>(2) points</b> | 5          |

| No.   | Criteria                  | Description  | Max points |
|-------|---------------------------|--|------------|
|       |                           | Above 6 weeks after placement of Purchase Order = <b>(0) points</b>          |            |
| 6.1.4 | <b>Project Management</b> | Project Methodology and Compliance with the Specification : <b>10 points</b> | <b>10</b>  |
|       | <b>TOTAL</b>              |  | <b>100</b> |

A bidder who gets a minimum of 80 points and above will qualify to the next stage. Individual tenders would have to be evaluated according to the preferential point system. The bidder must score minimum points as follows:

Item 6.1.1. – 20 points

Item 6.1.2 – 55 points

Item 6.1.3 – 5 points

#### Category B: Hardware Supply

| No.   | Criteria  | Description  | Max Points |
|-------|---|--|------------|
| 6.2.1 | <b>Proven track record<br/>(Reference letters to be attached)</b> | Number of year's active and experience gained in this field, to whom services were provided, and a record of services rendered complete with references.<br>Provide documentation to confirm track record.<br>Years in the field:<br>Ten(10) and more years' experience = <b>30 points</b><br>Between four (4) and nine (9) years of experience = <b>20 points</b> | <b>30</b>  |
| 6.2.2 | <b>Skills and capacity</b>  | Company Structure with the following certificates for employees certificates<br><br>IT certifications = <b>20 points</b><br>Certificate of partnership with supplier = <b>30 points</b>  | <b>30</b>  |

| No.   | Criteria                | Description   | Max Points |
|-------|-------------------------|---|------------|
| 6.2.3 | Lead delivery time      | The bidder must have the ability to deliver ICT equipment to CENTLEC As and when requested.<br>Less than 1 week delivery after placement of Purchase Order = <b>(20) points</b><br>1-2 weeks' delivery after placement of Purchase Order = <b>(10) points</b><br>2-4 weeks' delivery after placement of Purchase Order= <b>(5) points</b> | 20         |
| 6.2.4 | Warrantee and Guarantee | Provide warrantee and Guarantee of the unit including the wiring of antennas or devices.<br>1-3 years' warrantee = <b>10 Points</b><br>4-5 years' warrantee= <b>20 Points</b>   | 20         |
|       | <b>TOTAL</b>            |   | <b>100</b> |

A bidder who gets a minimum of 80 points and above will qualify to the next stage. Individual tenders would have to be evaluated according to the preferential point system. The bidder must score minimum points as follows:

Item 6.2.1 – 20 points

Item 6.2.2 – 55 points

Item 6.2.3 – 5 points in the Evaluation Criteria.

### Category C: ICT Software solutions development

| No.   | Criteria  | Description  | Max Points |
|-------|---|--|------------|
| 6.3.1 | <b>Proven track record<br/>(Reference letters to be attached)</b> | Number of year's active and experience gained in this field, to whom services were provided, and a record of services rendered complete with references.<br>Provide documentation to confirm track record.<br>Years in the field:<br>Ten(10) and more years' experience = <b>30 points</b><br>Between four (4) and nine (9) years of experience = <b>20 points</b> | 30         |

| No.   | Criteria                          | Description   | Max Points |
|-------|-----------------------------------|---|------------|
| 6.3.2 | Skills and capacity               | Company Structure with the following certificates for employees certificates:<br><br>ERP Certification partners = <b>20 Points</b><br>Programming Certificate (C#, Java) = <b>20 Points</b><br>Microsoft SQL database Certificates = <b>20 Points</b> | 60         |
| 6.3.3 | Project Management / lead deliver | Project Methodology and Compliance with the Specification with reasonable hours per project and Project team and leads : <b>10 points</b><br><br><b>Not submitted = 5 Points</b>  | 10         |
|       | <b>TOTAL</b>                      |   | <b>100</b> |

A bidder who gets a minimum of 90 points and above will qualify to the next stage. Individual tenders would have to be evaluated according to the preferential point system. The bidder must score minimum points as follows:

Item 6.3.1 – 20 points

Item 6.3.2 – 65 points

Item 6.3.3 – 5 points in the Evaluation Criteria.

#### Category D: Radio Communication system

| No.   | Criteria  | Description   | Max Points |
|-------|---|---|------------|
| 6.3.1 | Company experience, support and services Smart technology Radio (PTT) | 10 years or more experience with a fully functional Smart Radio Communication system. (on a similar scale) = 20<br><br>At least 5 years but less than 10 years' experience with any Smart Radio Communication (PTT) or similar technology = 10<br><br>Less than 5 years' experience = 0 | 20         |

| No.   | Criteria                       | Description   | Max Points |
|-------|--------------------------------|---|------------|
| 6.3.3 | <b>Communication assurance</b> | Attach proof of certified copy of ICASA Certificates = <b>20 points</b><br>Attach proof of certified copy of other industry acceptable certificate or accreditation working on PTT radio = <b>20 points</b>   | 40         |
| 6.3.4 | <b>Warranty Guarantee and</b>  | Provide warranty and Guarantee of the unit including the wiring of antennas or devices.<br>4-5 years' warranty= <b>20 Points</b><br>1-3 years' warranty = <b>10Points</b>   | 20         |
| 6.3.5 | <b>Lead delivery time</b>      | The bidder must have the ability to deliver ICT equipment to CENTLEC As and when requested.<br>Less than 1 week delivery after placement of Purchase Order = <b>(20) points</b><br>1-2 weeks' delivery after placement of Purchase Order = <b>(10) points</b><br>2-4 weeks' delivery after placement of Purchase Order= <b>(5) points</b> | 20         |
|       | <b>TOTAL</b>                   |   | <b>100</b> |

A bidder who gets a minimum of 90 points and above will qualify to the next stage. Individual tenders would have to be evaluated according to the preferential point system. The bidder must score minimum points as follows:

Item 6.3.1 – 20 points

Item 6.3.2 – 65 points

Item 6.3.3 – 5 points in the Evaluation Criteria.

## 6.6 Points awarded for B-BBEE Status Level of Contribution

In terms of Regulation 5(2) and 6(2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below;

**Table 1: B-BBEE Status level**

| B-BBEE Status Level of Contributor | Number of Points (90/10 System) | Number of Points (80/20 System) |
|------------------------------------|---------------------------------|---------------------------------|
| 1                                  | 10                              | 20                              |
| 2                                  | 9                               | 18                              |
| 3                                  | 6                               | 14                              |
| 4                                  | 5                               | 12                              |
| 5                                  | 4                               | 8                               |
| 6                                  | 3                               | 6                               |
| 7                                  | 2                               | 4                               |
| 8                                  | 1                               | 2                               |
| Non-Compliant Contributor          | 0                               | 0                               |

## 7. Pricing Schedules

Prices are “**as and when**” required by CENTLEC. Quotation is per Unit

The contract price(s) shall be subject to negotiated increase, if absolutely unavoidable, should the contract be extended for one or more further periods, each period not exceeding 12 months.

**Category A:** Pricing schedule – Quote each item specification on the right as in technical specification

| ITEMS | DESCRIPTION                          | QTY | PRICES PER ITEM DESC (excl) vat |
|-------|--------------------------------------|-----|---------------------------------|
| 1     | <b>ICT Governance</b>                |     |                                 |
|       | Policies drafting and review         | 1   |                                 |
|       | Procedures drafting and review       | 1   |                                 |
|       | ICT Strategy formulation and review  | 1   |                                 |
|       | ICT Framework drafting and reviews   | 1   |                                 |
|       | Systems Management documents reviews | 1   |                                 |
|       |                                      |     |                                 |



|   |   |   |  |
|---|---|---|--|
|   |   |   |  |
| 2 | <b>Cyber Security Advisory</b>  |   |  |
|   | Cyber Security strategy access and implementation                                     | 1 |  |
|   | Perform penetration test and reports on intrusions for cyber                          | 1 |  |
|   | Cybersecurity risks and vulnerabilities scans for intrusion ports and vulnerabilities | 1 |  |
|   | POPI Act compliance formulation   | 1 |  |
|   | Security awareness documents and videos   | 1 |  |
|   | Security (IPS) systems implementations tool   | 1 |  |
|   | System Logs analyser tools  | 1 |  |
|   |   |   |  |
| 3 | <b>Digital and Analytics</b>  |   |  |
|   | Data management assessment  | 1 |  |
|   | Data Analytics for assessment and implementation                                      | 1 |  |
|   | Implement and assessment of Data Mining analysis on meter systems                     | 1 |  |

**Category B:** Pricing schedule – Quote each item specification on the right as in technical specification

| ITEMS | DESCRIPTION              | QTY | PRICES PER ITEM DESC (excl) vat |
|-------|--------------------------|-----|---------------------------------|
| 1     | Desktop computers        | 1   |                                 |
| 2     | Laptops i5 15"           | 1   |                                 |
| 3     | Laptop i5 14"            | 1   |                                 |
| 4     | Laptop i7 15"            | 1   |                                 |
| 5     | Laptop i7 16"            | 1   |                                 |
| 6     | <b>Desktop Screens “</b> |     |                                 |
|       | 19" QHD                  | 1   |                                 |
|       | 24" QHD                  | 1   |                                 |
|       | 32"QHD                   | 1   |                                 |
|       | 34" WHQ                  | 1   |                                 |

|    |   |   |  |
|----|---|---|--|
|    | 27" LED   | 1 |  |
|    | 31" LED   | 1 |  |
|    | 64" UHD   | 1 |  |
| 7  | <b>Hp Servers or equivalent</b>   |   |  |
|    | Dual Socket P (LGA 3647)  | 1 |  |
|    | PCI-E 3.0 x16 slots (FH, 10.5" L), 2 PCI-E 3.0 x8 slots   | 1 |  |
| 8  | Laptop Charger any brand  | 1 |  |
| 9  | Hp Server Drives or equivalent  |   |  |
| 10 | SAS drives 12gb/s 1.2 T   | 1 |  |
| 11 | <b>Servers power supply</b>   |   |  |
|    | U 800/1000W Redundant Single Output Power Supply Titanium Level, CRPS 203mm length                        | 1 |  |
| 12 | <b>Hp Storage Servers or equivalent</b>   |   |  |
|    | DL380 Latest Generation 4210 1P 32G NC 8SFF Svr   | 1 |  |
|    | Latest Gen 2U Bezel Kit MSA 2062 16Gb FC LFF Strg Bezel Lock Kit MSA 16Gb SW FC SFP 4pk XCVR              | 1 |  |
|    | Dual Socket P (LGA 3647) support latest Generation Intel® Xeon® Scalable processors Cascade Lake/Skylake) | 1 |  |
| 13 | TM-T20IIS Epson Serial, USB Receipt Thermal Printer – C31CH51011  | 1 |  |
| 14 | <b>Fibre cords</b>  |   |  |
|    | 10gbase-t sfp+ rj45 30M cAT6a xcvr  | 1 |  |
|    | 10g sfp+ TO sfp+ 3M dac cable   | 1 |  |
|    | 25g sfp28 lc sr 100M mmf xcvr   | 1 |  |
|    | 10gbase-t sfp+ rj45 30M cAT6a xcvr  | 1 |  |
|    | 10g sfp+ TO sfp+ 3M dac cable   | 1 |  |
| 15 | <b>Drives / Flash drives</b>  |   |  |
|    | 1 TB Flesh drives   | 1 |  |
|    | External DVD  | 1 |  |

|    |   |   |  |
|----|---|---|--|
|    | 1 TB external drive   | 1 |  |
|    | 4 TB external Drive   | 1 |  |
|    | 10 TB external drive  | 1 |  |
|    | 1 TB Flesh drives   | 1 |  |
| 15 | <b>Audio &amp; Videos Devices</b>   |   |  |
|    | Phillips or equivalent DVT4110 8GB  | 1 |  |
|    | Philips or equivalent Dpm8200 Professional Dictation Recorder                       | 1 |  |
|    | PXW-Z190 4K 3-CMOS – canon or equivalent 1/3" Sensor XDCAM Camcorder                | 1 |  |
|    | D7500 + 18-140mm Lens – DSLR Camera Kit - canon or equivalent                       | 1 |  |
|    | Conference Camera Logitech or equivalent Meetup 4K HD Super-wide 120° field of view | 1 |  |
| 15 | <b>IT peripherals spares</b>  |   |  |
|    | Motherboard: MB Asus Prime A320M-K.   | 1 |  |
|    | CPU: Intel Core i7 latest Generation Desktop Processor                              | 1 |  |
|    | Power supply: Titan S550,   | 1 |  |
|    | Rams: DDR4 8GB  | 1 |  |
|    | Rams DDR 4 16GB   | 1 |  |
|    | Rams DDR 3 8GB  | 1 |  |
|    | HDD: Western Digital, SATA 6.0Gb/s, 1 TB,   | 1 |  |
|    | Solid states drives for PC: SATA 240Gb SSD or better                                | 1 |  |
|    | Network tester  | 1 |  |
|    | Network crimper   | 1 |  |
|    | Cable trunking  | 1 |  |
|    | Network tool box  | 1 |  |
| 18 | <b>Server UPS</b>   |   |  |
|    | Maintenance and Support for 36 Months   | 1 |  |
|    | 91PS and 93PS UPS   | 1 |  |
| 19 | <b>Batteries</b>  |   |  |
|    | Supply and commissioning  | 1 |  |

|    |  |   |  |
|----|--|---|--|
|    | 12 V batteries   | 1 |  |
|    | 22 A batteries   | 1 |  |
|    | Small AAA batteries  | 1 |  |
|    | Small AA batteries   | 1 |  |
| 20 | <b>PDU</b>   |   |  |
|    | Supply and commissioning of PDU and power connection             | 1 |  |
|    | Eaton Epdu Ba Ou (C20 16A 1P)                                    | 1 |  |
| 21 | <b>Server Racks</b>  |   |  |
|    | 42"U 1000MM Deep Perforated Metal Door Server/Networking Cabinet | 1 |  |
|    | 19"U Wall Box cabinet  | 1 |  |
|    | 6"U Wall mount rack  | 1 |  |
|    | 42"U 1000MM Deep Perforated Metal Door Server/Networking Cabinet | 1 |  |
|    | 19"U Wall Box cabinet  | 1 |  |
|    | 6"U Wall mount rack  | 1 |  |
| 22 | <b>Switches</b>  |   |  |
|    | 24-Port POE Aruba or equivalent Switch Ethernet                  | 1 |  |
|    | 48-Port POE Aruba or equivalent Switch Ethernet                  | 1 |  |
| 23 | <b>Server racks</b>  |   |  |
|    | 1U brush panel   | 1 |  |
|    | 48 patch panel   | 1 |  |
|    | 24 patch panel   | 1 |  |
|    | 1U brush panel   | 1 |  |
|    | 48 patch panel   | 1 |  |
| 24 | <b>Cat6e Cables</b>  |   |  |
|    | Cat 6e core 8 rolls  |   |  |
|    | Ethernet Flylead – 3 Meter                                       | 1 |  |
|    | Ethernet Flylead – 5 Meter                                       | 1 |  |
|    | Ethernet Flylead – 10 Meter                                      | 1 |  |
|    | 10M HDMI cable   | 1 |  |
|    | 30 M HDMI cable  | 1 |  |
| 25 | <b>Mouses and Keyboards</b>                                      |   |  |
|    | Wireless Keyboard  | 1 |  |
|    | Wireless Mouse   | 1 |  |
|    | USB Mouse  | 1 |  |
|    | USB Keyboard   | 1 |  |
| 26 | <b>Infrastructure security devices</b>                           |   |  |
|    | 2MP IR Fixed Dome Network IP Camera                              | 1 |  |

|    |   |   |  |
|----|---|---|--|
|    | DS-K1T804 Series Finger print Access Control Terminal   | 1 |  |
|    | DS-7600NI-K2 SERIES NVR 14 Channel 4K NVR   | 1 |  |
|    | Server room heat sense monitor 3E Monitor-RA3E-ESO-BAS  | 1 |  |
|    | Server Room digital Locks   | 1 |  |
|    | Server room digital recorder signature access   | 1 |  |
| 27 | <b>Wireless Router and Access Point</b>   |   |  |
|    | Microwave router  | 1 |  |
|    | ROUERBOARD RB3011 UI AS-RM  | 1 |  |
|    | Access Point AP AC PRO 802.11ac   | 1 |  |
|    | Scalable Enterprise Wi-Fi Access Point (UAP-AC-PRO-E-US) PoE Adapter  | 1 |  |
| 28 | <b>Projectors</b>   |   |  |
|    | EH –Tw750 Full HD 1080p with wireless dongle connection projector   | 1 |  |
|    | Projector ceiling screen 2440 screen with box   | 1 |  |
|    | 150 cm x 150 cm Tripod Screen   | 1 |  |
|    | Projector tripod screen 2440*185mm  | 1 |  |
|    | Ultra-Link 85" Mobile TV Stand with wheels<br>Suitable for 32- 85 inch LED, LCD & Plasma Screen<br>TV height can be adjusted in 3 levels and shelf in 5 levels within 20 cm for the optimal viewing | 1 |  |
|    | Noise cancellation USB headset  | 1 |  |
|    |   |   |  |

**Category C:** Pricing schedule – Quote each item specification on the right as in technical specification

| ITEMS | DESCRIPTION  | QTY | PRICES PER ITEM DESC<br>(excl) vat |
|-------|--|-----|------------------------------------|
| 1     | <b>Development Software</b>  |     |                                    |
|       | Mobile apps development and support  | 1   |                                    |
|       | Development of USSD Code for various applications queries such as finance system and call centre for customer queries                              | 1   |                                    |
|       | WhatsApp Integrator Services   | 1   |                                    |
|       | ( Robot chat) for CENTLEC Call Centre Robot Talk Systems for Service delivery  | 1   |                                    |
|       | Online application development - web chart   | 1   |                                    |
|       | Revenue enhancement solutions system on meters   | 1   |                                    |
|       | Data Mining Systems for data analysis  | 1   |                                    |
|       | Centralization of the database systems and business intelligence reporting ( Data Analytics)   | 1   |                                    |
|       | Mobile apps development and support  | 1   |                                    |
|       |  |     |                                    |
| 2     | <b>E-governance software</b>   |     |                                    |
|       | Provide Website certificates   | 1   |                                    |
|       | Provide template for website coding  | 1   |                                    |
|       | Implementation of Enterprise Resource Planning (ERP) solution  | 1   |                                    |
|       | Provisioning of E-pad signature and integration with various systems for work flows for SCM process  | 1   |                                    |
|       | Adobe sign implementation and integration with various systems for workflows, Adobe Sign enterprise Enterprise Transaction New Microsoft Azure Per | 1   |                                    |

|  |   |  |  |
|--|---|--|--|
|  | Transaction. Tier 3 2500 to 4999 Transactions |  |  |
|  |   |  |  |

**Category D: Pricing schedule** – Quote each item specification on the right in technical specification (cost exchange in return with the current digital radio)

| ITEMS | DESCRIPTION   | QTY  | PRICES PER ITEM DESC (excl) vat |
|-------|---|--|---------------------------------|
| -     | <b>Once off Project Implementation , portable Radios, Infrastructure , base stations etc.</b> |  |                                 |
| -     | <b>Support and Maintenance “as and when” required</b>   | Purchase order will be prepared as per quotation |                                 |
| 1     | Portable Radio PTT  | 1  |                                 |
| 2     | Vehicle /Base PTT   | 1  |                                 |
| 3     | Two ways base and Vehicle Antenna   | 1  |                                 |
| 4     | Two way Antennas  | 1  |                                 |
| 5     | Radio Communication Server  | 1  |                                 |
| 6     | Radio System Management   | 1  |                                 |
| 7     | Network Coverage Connections (ISP) Communication Configuration                                | 1  |                                 |

## 8. Contact Details

8.1 For any further technical information regarding the document contents please contact Daniel Malokase, e-mail [daniel.malokase@centlec.co.za](mailto:daniel.malokase@centlec.co.za) . Such queries must be done in writing, the email address provided serves for this purpose. The answer to any one question will be shared to all the other prospective bidders that have bought the bid documents.

8.2 For Supply Chain related questions, please contact Me Palesa Makhele at 051 412 2753 or at [palesa.makhele@centlec.co.za](mailto:palesa.makhele@centlec.co.za)