Form-6

# Technical Specification of Goods

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| Code | Requirements | Goods proposed by Bidder  (specification, description, comments, links to manufacturer site, etc. Should demonstrate full compliance of Goods with NIRAS requirement) |
| **01.00** | **Working place** | **Working place** |
| 01.10 | Personal computer PC (set) - warranty at least 36 months. Required level of warranty support - Next Business Day or equivalent (fixing or equipment replacement on site) Component requirements: |  |
| 01.11 | Processor:  at least dual core processor not more than 35W TDP  not less than 3.1 GHz  at least 4MB - 3th level cash |  |
| 01.12 | RAM:  at least 4GB  at least - 2400GHz type - DDR4 or equivalent |  |
| 01.13 | Hard drive):  type – HDD  capacity - at least 500 GB rotation speed - at least 7200RPM at least 32MB cash |  |
| 01.14 | Video Card:  at least HD graphics 4000 or equivalent  output: D-sub(VGA)/DVI or HDMI (should be compatible with the video input of monitor - 01.50) |  |
| 01.15 | Network adapter: 1 GB |  |
| 01.16 | Power supply:  certified power supplies with minimum capacity of '80 Plus'.  In order to match system output (www.80plus.org) Power cord - Schuko (compatible with UPS outputs 01.60) |  |
| 01.17 | Network patch-cord:  at least - CAT5e RJ45 UTP,  preferable color - white/gray length - at least 3m |  |
| 01.18 | PC case: width - not bigger than 150mm  height: - not bigger than 370mm |  |
| 01.19 | Pre-installed licensed MS Windows 10 Pro 64-bit |  |
| 01.20 | Keyboard: keyboard with a minimum number of buttons – 101. Keyboard layout – 'QWERTY' in Latin and Cyrillic interface - USB |  |
| 01.30 | Computer mouse:  two basic buttons + clickable scroll wheel mouse with 1000 dpi laser tracking cable length - at least 1.5 m form-factor: symmetric interface - USB |  |
| 01.40 | Monitor: at least 21,5” diagonal (but not more than 23,8"); matrix type: PLS, IPS or better; response time: not more than 8ms resolution: at least 1920 ppi x 1080 ppi  matrix coating: matt  Interface: D-sub(VGA)/DVI or HDMI/DP input (should match the video card requirement 01.14)  brightness: not lower than 250 cd/m2,  contrast: no lower than 1000: 1 TCO Compliant; Power consumption: no higher than 30 W Video Cable (input) - D-sub(VGA)/DVI or HDMI/DP (should match 01.14); Power cord - Schuko or compatible (compatible with UPS outputs 01.60) Warranty: at least 36 months. . Required level of warranty support - Next Business Day or equivalent (fixing or equipment replacement on site) |  |
| 01.50 | UPS:  Power output - at least 500VA Form of the output voltage – sinusoidal/approximated sinusoidal Sockets – min. 3 pcs (Schuko - compatible with power inputs of 1.50 and 1.16),  Case - tower Power cord - Shuko Warranty period – at least 24 months. |  |
| **02.00** | **Flash memory** | **Flash memory** |
| 02.01 | Flash memory:  Capacity - at least 8GB USB 3.0  Minimum write speed – 20 MB/s Read speed – 60 Mbps Warranty - at least 12 months |  |
| **03.00** | **Office compact multifunction laser printer/scanner/photocopier (MFU)** | **Office compact multifunction laser printer/scanner/photocopier (MFU)** |
| 03.01 | Office compact multifunction laser printer/scanner/photocopier (MFU):  - minimum 600x600 dpi (or 1200x1200 dpi, avoid mixing) - support via USB port and via local network  - print speed: not less than 30 ppm - copy speed: 30 ppm - first-page-out time: not more than 8 seconds - equipped with a duplex; - network patch-cord (at least - CAT5e RJ45 UTP,  length - at least 3m); - USB cable (compatible with the MFU USB-port); - power cord (Shuko);  - additional cartridge (cartridges) for printing at least 4000 pages - supplier shall indicate approximate cost of printing (for one page) and specify the type and price for a compatible printer cartridge; Warranty - at least 12 months |  |
| **04.00** | **Network Supplies** | **Network Supplies** |
| 04.10 | Configurable switch, with 24 ports not worse10/100 with VLAN, QoS support, Power cord (Shuko)  Warranty - at least 12 months |  |
| 04.11 | Configurable switch, with 16 ports not worse 10/100 with VLAN, QoS support, Power cord (Shuko)  Warranty - at least 12 months |  |
| 04.12 | Configurable switch, with 48 ports not worse 10/100 with VLAN, QoS support, Power cord (Shuko)  Warranty - at least 12 months |  |
| 04.20 | Router:  speed via wireless channel – not slower than 300 Mbit/s,  speed via LAN – at least 100 Mbps,  at least 1 WAN port and 4 LAN ports,  at least 2 external antennas, firewall,  MAC filtering in addresses and domains, IP and MAC binding, scheduling access, rule management, remote control, IP address reservation, PPPoE protocol support 2.4 GHz radio frequency Power cord/power supply should be included Warranty - at least 12 months |  |
| 04.30 | UPS for supporting network equipment:  Power output - at least 500 VA Form of the output voltage – sinusoidal/approximated sinusoidal Sockets – min. 3 pcs (Schuko - compatible with power inputs of 04.10-12 and 04.20),  Case - tower Power cord - Shuko Warranty period – at least 24 months |  |

Dated this \_\_\_\_\_\_\_\_\_\_\_\_\_\_day of \_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ 2019.

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*[signature over printed name] [in the capacity of]*

Duly authorized to sign Bid for and on behalf of *[name of company]*