**Appendix 01 – Revised Mandatory Technical Specification**

**Laptop:-**

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| **PRODUCT** | **SPECIFICATION OF PRODUCT**  **( Revised Specifications )** |  |
| Model |  |  |
| PROCESSOR | Intel®Core™i5-8265U Processor or higher |  |
| MEMORY | Single 8 GB DDR4 @ 2400 MHz. FSB. System upgradable up to 32 GB, 1 RAM Slot should be free. |  |
| HARD DISK | 1 TB SATA HDD |  |
| GRAPHIC | Integrated Intel UHD Graphics 620 |  |
| Screen Size | 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, Non touch display |  |
| **Camera** | Integrated HD 720P web Camera with Microphone |  |
| NIC | Integrated Gigabit Network Connection ( 100/1000 ) |  |
| **Input Device** | 6-row, Single Pointing Spill-resistant, multimedia Fn keys, backlight TrackPoint / Microsoft precision multi-touch touchpad |  |
| **Battery** | Integrated Li-Ion 40+ Wh battery, supports fast Charge. |  |
| **Wireless LAN** | INTEGRETED Wi-Fi 2x2 802.11ac |  |
| **Bluetooth** | Integrated Bluetooth® standard version 4.1+ |  |
| **Audio** | HD Audio, stereo speakers, Noise reducing array microphones, headphone / microphone combo jack |  |
| **PCI SLOT** | SD 3.0 Memory card reader |  |
| **INTERFACE** | Two USB 3.1 Gen 1 (one Always On), One USB 3.1 Type-C Gen 1 with power delivery & displayport 1.2, HDMI 1.4b, 1 x VGA, Ethernet (RJ-45), 1 x universal Audio Jack / headphone / microphone combo jack, |  |
| **PHYSIC** | Weight not more than 2 KG. with a 40+ WHr battery, |  |
| **Accessories** | Lithium-ion battery, Power cord, and AC adapter, |  |
| **Security** | Power-on password, hard disk password, supervisor password, security keyhole Discrete TPM 2.0, TCG Certified |  |
| **O.SYSTEM** | Microsoft® **Windows®  10 Prof. 64 bit, preloaded** |  |
| **Compliance** | EPEAT Gold; ENERGY STAR 6.1; RoHS-compliant, MIL-STD-810G military certification |  |
| **Warranty** | **Three Years On Site Comprehensive warranty by OEM** |  |
| CARRY BAG | **CARRY CASE AS PER OEM SPECIFIC ( Back Pack Bag)** |  |

**Desktop – Type II-**

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| **PRODUCT** | **SPECIFICATION OF PRODUCT** |
| Model |  |
| **PROCESSOR** | **Generation Intel® i5-9400T Processor or Higher** |
| Chipset | **Intel B360/ H370 Chipset Main Board or higher** |
| MEMORY | **8 GB DDR4 RAM** @ 2666 Mhz. System upgradable up to 32 GB, 1 RAM Slot should be free |
| HARD DISK | **1 TB Serial ATA, 7200 RPM** |
| GRAPHIC | **On Board Intel UHD Graphics 630** |
| Display | 19.5" HD+ (1600x900), Antiglare LED Monitor. Should have display port and VGA port. Monitor to be connected to CPU without connector and video cables only. Provision to mount the CPU behind it(Mandatory). |
| NIC | Integrated Gigabit Ethernet 10/100/1000, Wake on LAN |
| Key Board | USB Keyboard |
| Mouse | USB Mouse |
| **Audio** | High Definition (HD) Audio, |
| **INTERFACE** | Front : Two USB 3.1, microphone (stereo, 3.5mm), headphone (stereo) |
| Rear : Two USB 3.1, two USB 2.0 (SmartPower On), Ethernet (RJ-45), VGA, DisplayPort, HDMI 1 Universal Audio Jack |
| **Slot** | M.2 card slots: Two (one for WLAN, one for SSD/Optane) |
| **Security** | One lock with cable to secure both cover and entire system to fixed object. Power-on password, Administrator password, Hard disk password, Boot sequence control, Boot without keyboard and mouse, Individual USB port disablement |
| **Compliance** | Energy Star, ROHS, DMI 2.0, Management Feature with Think Engine |
| **O.SYSTEM** | **Microsoft® Window’s 10 Prof. 64 Bit , preloaded** |
| **Warranty** | 3 Years On Site Comprehensive Warranty by OEM |
| **Chassis Volume** | 1.2 Litre ( Without mounting kit) |