**Appendix 01 – Revised (2) Mandatory Technical Specification**

**DESKTOP:**

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| **PRODUCT** | **SPECIFICATION OF PRODUCT** |
| **Model** |  |
| **PROCESSOR** | **Generation Intel® i5-8400 Processor  or Higher** |
| Chipset | **Intel B360/ H370 Chipset Main Board or higher** |
| MEMORY | **8 GB DDR4   RAM** @ 2666 Mhz.  upgrade 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** in processor, uses main memory, DirectX 12,, one VGA, two Display Port™, supports 3 independent displays, works along with discrete graphics to support more displays; ***Max resolution:*** 4096x2304 (DP)@60Hz; 2048x1536 (VGA)@50Hz |
| Display | 19.5" HD+ (1600x900), Antiglare LED Monitor. Should have display port and VGA/HDMI connector. Both monitor to be connected to CPU with proper connector/video cables. Provision to mount the CPU behind it(Optional). |
| NIC | Integrated Gigabit Ethernet, Realtek RTL8111GN, Wake on LAN |
| Key Board | OEM Keyboard (USB connector), black |
| Mouse | OEM Mouse (USB connector), black |
| **Audio** | High Definition (HD) Audio with internal speaker |
| **INTERFACE** | Front : Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo) |
| Rear : Two USB 3.0, two USB 2.0, serial (9-pin), Ethernet (RJ-45), VGA, DisplayPort, additional VGA or HDMI on optional graphic card on some models, Line-in (3.5mm), line-out (3.5mm), microphone (3.5mm) |
| **Slot** | half-length, full-height, PCIe 3.0 x16,  half-length, full-height, PCIe 2.0 x1, Slot 3: half-length, full-height, PCIe 2.0 x1, M.2 card slots: Two (one for WLAN, one for SSD/Optane)/ 2M.2 Slots for expansion |
| **Security** | One lock to secure both cover and entire system to fixed object:-Padlock loop (in rear for opt padlock),  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 |
| **O.SYSTEM** | **Microsoft® Window’s 10 Prof.  64 Bit , preloaded** |
| **Warranty** | 3 Years On Site Comprehensive Warranty  by OEM |
| **Chasis Volume** | 1.8 Litre ( Without mounting kit) |

**NOTEBOOK:**

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| **PRODUCT** | **SPECIFICATION OF PRODUCT** |
| Model |  |
| PROCESSOR | **Intel®Core™i5-8265U Processor or higher** |
| MEMORY | **8 Single 8 GB DDR4   @ 2400 MHz**. FSB upgrade Up to    32 GB, 1 RAM Slot should be free |
| HARD DISK | **1 TB SATA HDD** |
| `GRAPHIC | Integrated Intel HD 620 |
| Screen Size | 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, Non touch display |
| **Camera** | **Integrated HD 720P web Camera with digital Microphone** |
| NIC | Integrated Intel Gigabit Network Connection ( 100/1000 ) |
| **Input Device** | 6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint pointing device and buttonless Mylar surface multi-touch touchpad |
| **Battery** | Integrated Li-Ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr)  Back up upto 12 Hours |
| **Wireless LAN** | INTEGRETED  Realtek RTL8822BE, Wi-Fi 2x2 802.11ac |
| **Bluetooth** | Integrated Bluetooth® standard version 4.1+ |
| **Audio** | HD Audio |
| **PCI SLOT** | 3-in-1 card reader (SD, MMC, SDHC, SDXC) |
| **INTERFACE** | Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 1, HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, |
| **PHYSIC** | **Weight not more than 2 KG**. with a standard 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 Silver and above; 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)** |