**United Nations Development Programme**

## ANNEX I - SPECIFICATIONS

## LOT 1: Microsoft Azure Server

| Item | Model, Feature, Specification | Qty | UoM | Delivery Time |
|---|---|---|---|---|
| Server for Microsoft Azure Stack Deployment | Lenovo ThinkAgile SX<br>Specification:<br>- *OS: Windows Server 2019*<br>- *CPU: 2 Processors, 8 Cores per processor*<br>- *Memory: 384 GB*<br>- *Fixed disks/Size/RAID: 20 TB*<br>- *OS Disk: 2 TB SSD*<br>- *Network card: 4 NIC* | 3 | Unit | Within 30 days after contract initiation |
| Azure Stack yearly subscription cost | | 1 | Year | Within 30 days after contract initiation |
| General Racking Solution | *25U server Rack*<br>*5U Plastic filler panel*<br>*3U Plastic filler panel*<br>*1U Plastic filler panel*<br>*3m CAT6 cables*<br>*Adjustable 19" 4 Post Rail Kit*<br>*RackSwitch (Rear to Front)*<br>*Cisco Integrated service Router* | 1<br>1<br>1<br>1<br>12<br>3<br>1<br>1 | Unit<br>Unit<br>Unit<br>Unit<br>Unit<br>Unit<br>Unit<br>Unit | Within 30 days after contract initiation |
| Direct Attached Storage (DAS) Server Storage services | Lenovo DAS Server, with specification:<br>- *Dual Expansion Modules (Dual 12Gb SAS standard, with active/active failover),*<br>- *OS: Windows Server 2019*<br>- *Fixed disks/size/RAID: 24 hot-swap SAS 2.5-inch drives, up to 28.88TB – 10,000rpm SAS SED HDDs*<br>- *Network card: Back Panel Connectors - Each expansion module (x2) includes one Ethernet management port, 3x MiniSAS HD Connector (SFF 8644), It can be configured as in/ingress or out/egress port by SAS zoning mode setting* | 1 | Unit | Within 30 days after contract initiation |

The Azure Stack platform is a rack-scale pre-integrated turnkey set of physical hardware and software which shall be hosted at the MoH datacenter, in Jakarta, Indonesia, that has been tested, configured to align to the Ministry requirements, and is brought together with OEM (Original Equipment Manufacturer) partners themselves configuring the infrastructure, to ensure the Ministry gets the right support from the OEMs and

Microsoft for the platform. This will therefore guarantee simplified deployment and lifecycle management of the equipment. The Ministry will also have world-class services, with a single point of support for the hardware

The Azure Stack is to be delivered as a package with a management server and rack solution with the above listed items. The Azure Stack infrastructure intended as provision of Development, Test/UAT and Production environments. The small scale Azure stack will have a capacity to host an average of 20 VMs (each of 8 Cores, 16 GB RAM, 500GB HDD) although can be more or less depending on the each VM specifications therefore providing a dynamic and scalable environment.

## LOT 2: ERP Virtual Server and License

| Item | Model & feature | Qty | UoM | Delivery Time |
|------|-----------------|-----|-----|---------------|
| Database server | D4 V2 (8 vCPUs and 24 GB RAM) | 1 | Unit | Within 30 days after contract initiation |
| Application server | D8 V3 (8 vCPUs and 32 GB RAM) | 1 | Unit | Within 30 days after contract initiation |
| Windows Server 2019 Standard | Annual subscription license | 5 | License | Within 30 days after contract initiation |
| SQL Server 2019 Standard | Annual subscription license | 1 | License | Within 30 days after contract initiation |
| SSL Certificate for D365BC web client | Annual subscription license | 1 | License | Within 30 days after contract initiation |

## LOT 3: Laptops & Applications

| Item | Model & feature | Qty | UoM | Delivery Time |
|------|-----------------|-----|-----|---------------|
| End-user laptop[a] | Dell/HP/Lenovo<br>Specification:<br>Processor: Intel Core i5-1035G1, 2.40GHz<br>Memory RAM: 8 GB<br>Harddisk: SSD 512GB M.2 PCIe 2280 NVMe<br>Connectivity: WiFi 802.11ac 1x1, Bluetooth 5.0, Port USB 3.1 Gen1, Port USB 2.0, Port HDMI, card reader, port combo audio<br>Screen: TFT LCD14inch, 1366 x 768 pixel<br>Resolution: 1280x720 | 238 | Unit | Within 30 days after contract initiation |

| | Operating system: Windows 10 Pro | | | |
|---|---|---|---|---|
| Operating System upgrade | Windows 10 Pro license | 2 | License | Within 30 days after contract initiation |
| RAM stick | 4GB | 8 | Unit | Within 30 days after contract initiation |
| Office 365 License [b] | E5 | 20 | License | Within 30 days after contract initiation |
| Office 365 License | E3 | 80 | License | Within 30 days after contract initiation |
| Office 365 License | E1 | 822 | License | Within 30 days after contract initiation |
| Kaspersky Endpoint Security for Business – ADVANCED | Non-profit license type, with the features: Detects and patches vulnerabilities to reduce attack entry-points Saves time by automating OS and software deployment tasks Streamlines centralized security management with a web or cloud console Encrypts data to prevent damage from data leakage on a lost device | 900 | License | Within 30 days after contract initiation |
| Standard printer [c] | HP OfficeJet Pro 9015 All-in-One Printer | 150 | Unit | Within 30 days after contract initiation |

| | | | | |
|---|---|---|---|---|
| High Capacity Printer | HP LaserJet Enterprise MFP M632h<br>- print 10 coloured pages per minutes, & copy 25 pages per minutes<br>- quality: 1200x1200 dots per inch<br>- scanner resolution: 1200x600<br>- OCR Scanner Software supported<br>- WiFi and Network connectivity supported | 4 | Unit | Within 30 days after contract initiation |

a. *specification equivalent to Lenovo IdeaPad S145 14IIL, Onyx Black Texture. All laptops must be ready to use and pre-installed with the operating system and required applications (Microsoft Office 365 and antivirus). The Bidder should provide all serial number of equipment provided.*

b. *Office 365 E5 licences for Senior Management with 12 users and IT, E3 license for the 60 PRs, E1 license for the rest of staff members. For all the Microsoft Office 365 license, will come with the features to support seamless access and integration with the system, as follows:*

- *Main common features (for E1, E3 and E5)*
- *Business class email, calendar, and contacts*
- *Web version of Office suite*
- *Unlimited online meetings, IM, and audio, HD video, and web conferencing with Microsoft Teams Meeting broadcast on the Internet to up to 10,000 people*
- *Intranet site for MoH GFATM with customizable security settings, powered by SharePoint Online*

c. *The Bidder should provide all serial number of equipment provided.*

## LOT 4: Smart Heavy-Duty UPS

| Item | Model & feature | Qty | UoM | Delivery Time |
|---|---|---|---|---|
| SYA8K8RMI APC Symmetra LX 8kVA | Spec: scalable to 8kVA N+1 Rack-mount, 220/230/240V or 380/400/415V | 1 | Unit | Within 30 days after contract initiation |
| SYARMXR9B9I APC Symmetra LX | Extended Run Rack-mount w/ 9 SYBT5, 230V<br>Load Vs Backup time: Load 5000watt, Backup time = 8hours+ | 6 | Unit | Within 30 days after contract initiation |