

عطاء رقم ٢٠١٩/ل/٩

توريد وتركيب وتشغيل أجهزة حاسوب/ خوادم وتوابعها

## Technical Specifications for Equipment Funded by ERASMUS+ PROGRAMME

Promoting Youth Employment in Remote Areas in Jordan/ Job-Jo  
Project Number: 598428-EPP-1-2018-1-JO-EPPKA2-CBHE-JP

### Item No. 1: Personal Computers

#### Technical Specifications for Personal Computers

Quantity: (130)

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| Processor         | 8th Generation Intel Core i5 (6 Cores, 9MB Cache)                        |
| Processor Speed   | Minimum 2.8GHz up to 4.0 GHz                                             |
| Memory            | At least 4GB DDR4                                                        |
| HDD               | 1 TB 7200 RPM                                                            |
| Chipset           | Intel Chipset                                                            |
| Graphics          | Intel Integrated Graphics                                                |
| Monitor           | Min 19.5 inch LED                                                        |
| Keyboard & Mouse  | USB Arabic / English Keyboard<br>USB Optical scroll Mouse with mouse Pad |
| DVD drive         | Internal DVD Super Multi                                                 |
| Network Interface | 10/100/1000 Gigabit interface                                            |
| Operating System  | Free Dos (No Operating System)                                           |
| Warranty          | 3 years Warranty                                                         |

## Item No.2: Notebooks

### Technical Specifications for Notebooks

Quantity: (5)

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| Processor         | 8th Generation Intel Core i7 (4 Cores, 8MB Cache)                        |
| Processor Speed   | Minimum 1.8GHz up to 4.0GHz                                              |
| Memory            | At least 8GB DDR4                                                        |
| HDD               | 1 TB 7200 RPM                                                            |
| Chipset           | Intel Chipset                                                            |
| Graphics          | Intel Integrated Graphics                                                |
| Display size      | Min 15.6 inch                                                            |
| Keyboard & Mouse  | USB Arabic / English Keyboard<br>USB Optical scroll Mouse with mouse Pad |
| DVD drive         | Internal DVD Super Multi                                                 |
| Network Interface | 10/100/1000 Gigabit interface                                            |
| Operating System  | Free Dos (No Operating System)                                           |
| Warranty          | 3 years Warranty                                                         |

## Item No.3: Data show

### Technical Specifications for Data show and Electric Screen

Quantity: (5)

|               |                                            |
|---------------|--------------------------------------------|
| Resolution    | XGA (1024 x 768)                           |
| Brightness    | At least 3200 ANSI , LCD                   |
| Lens          | Manual optical zoom , Manual optical Focus |
| Digital input | HDMI x 1                                   |
| Lamp Life     | At least 5000 hours                        |

|                          |          |
|--------------------------|----------|
| Screen folding mechanism | Electric |
| Screen height            | 60"      |
| Screen width             | 80"      |

## Item No. 4: Printers

### Technical Specifications for Printers

Quantity: (15)

| Printer Specifications        |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Print Speed                   | (Black, Normal Quality, A4): Up to 40 ppm                                |
| Print Quality                 | (Black, Best Quality): Up to 1200 x 1200 dpi                             |
| Print technology              | Laser                                                                    |
| pages per month               | Up to 50,000 pages                                                       |
| Standard memory               | At Least 128 MB                                                          |
| Processor speed               | At least 1200 MHz                                                        |
| Standard Paper Trays          | 2                                                                        |
| Maximum Number of Paper Trays | 3                                                                        |
| Connectivity                  | Standard connectivity : - Fast Ethernet 10/100/1000,<br>Hi-Speed USB 2.0 |

## Item No. 5: Servers

### Technical Specifications for Servers

Quantity: (5)

|                        |                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processors             | Intel Xeon (Min 16Cores), (Min 11M Cache).                                                                                                                                              |
| Installed memory       | - 256 GB (Min. DDR3)/RDIMM,<br>- Min. half of slots must be empty for future expansion.                                                                                                 |
| Storage                | - Min. total capacity 1TB (After RAID 5) Hot-plug HDD.<br>- Min. 15K RPM SAS 12Gbps (2GB cache).<br>- 3.5 in HDD.                                                                       |
| HW RAID                | Intel Chipset SATA controller (RAID 0, 1, 5).                                                                                                                                           |
| Optical Drive          | DVD+/-RW SATA.                                                                                                                                                                          |
| Networking             | - Dual port (1Gb) Ethernet Card.<br>- Dual port (8Gb) Fiber HbA Card.                                                                                                                   |
| Form Factor chassis    | 2U Rack Mount, or less.<br>With all required mount kit, tools and components.                                                                                                           |
| Power Supply & Cooling | Dual, Hot-plug and Redundant Power Supply.                                                                                                                                              |
| I/O Ports              | - Min. 2 USB 3.0 on front panel.<br>- Min. 2 USB 3.0 on rear panel.<br>- VGA video card.                                                                                                |
| Warranty               | Min 3 Years.                                                                                                                                                                            |
| OS Support             | OS is not required, but Server must Support the following:<br>- Ubuntu, Red Hat (Enterprise) and SUSE (Enterprise) Linux.<br>- Microsoft Windows Server with Hyper-V.<br>- VMware ESXi. |
| Others                 | Embedded management included.                                                                                                                                                           |

## Item No. 6: Access Switch

## Technical Specifications for Access Switch

Quantity: (5)

|                    |                                                                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Interfaces</b>  | 24 RJ-45, Support PoE+ on 24 ports (Min. 370 Watt).<br>At least 4x10G SFP+ interfaces.                                                                                                                               |
| <b>Performance</b> | Switch Capacity: not less than 128Gbps<br>Throughput: not less than 95 Mbps<br>MAC Addresses: not less than 16000                                                                                                    |
| <b>Power</b>       | AC Input                                                                                                                                                                                                             |
| <b>Features</b>    | Support both IPv4 & IPv6<br>Layer 3 switch (Static route & RIP) and support OSPF in the future.<br>Support QoS and SSH.<br>Support Web GUI Management<br>Non-Blocking architecture<br>Warranty not less than 5 years |
| <b>Management</b>  | Management Software that support bulk configuration, backup and restore.                                                                                                                                             |
| <b>Licenses</b>    | All required licenses during warranty time must be included.                                                                                                                                                         |

## Item No. (7): Full HD 56 inches LED TV

### Technical Specifications for Full HD 56 inches LED TV

Quantity: (6)

|                     |                    |
|---------------------|--------------------|
| <b>Display Type</b> | Smart LED (4k)     |
| <b>Wi-Fi</b>        | yes                |
| <b>Screen Size</b>  | At least 55 Inches |
| <b>Connectivity</b> | HDMI, USB          |

## Special Conditions:



1. The bidder must be a company registered under the Jordanian Ministry of Industry and Trade within the last five years, with a capital not less than 300,000 JD (Three Hundred Thousand JD).
2. Bidder must have specialized and certified staff with the highest technical certificate for at least (eight to ten engineers).
3. The selected company must be **Gold** or **Silver** certified partner with the vendor within Jordan.
4. The bidder must offer minimum of (3) year's products and system warranty from the mother company.
5. The bidder must offer minimum of (3) year's products and system maintenance and support service; maintenance and support service shall include all hardware and software.
6. **Compliance sheets** are required (**Mandatory**) and proposal doesn't have the compliance sheet, it will not be considered.
7. The project is funded by Erasmus+ Programme where prices must be in Euro with (VAT= Zero, no customs fees and no other fees).
8. Companies are asked to inform the university if the items mentioned above are imported as parts and assembled locally or the appliances (as complete units) are imported from abroad
9. Companies are asked in following the attached procedure to obtain an exempt letter from customs fees and VAT.

### Company Profile:

1. Bidder must have an excellent experience in such environment with minimum 5 to 10 years in Jordan market, a complete profile for similar previous projects ( particularly Projects in Jordan) are required with minimum (Three to Five big projects).
2. All company suppliers must demonstrate understanding of the required items/solutions, and provide a high-level implementation plan/project milestones.
3. All company suppliers must provide detail on the technical implementation teams.