

**Annex A: Technical Specification for:**

**RFQ/YEMSA/SUP/25/11**

**FOR THE SUPPLY OF ICT EQUIPMENT FOR RCs IN THE SOUTH OF YEMEN**

**KHARAZ – BASATIN AND MUKALLA**

**Products technical specification evaluation:**

The technical component of the submission will be evaluated using the criteria **PASS or FAIL for each product (Line item)** conforming to the given specification, **fail in any item which will not match with the required specification, the supplier will not be qualified** for the financial evaluation

**Lot1: Items for Kharaz**

**1- Item: HP Color LaserJet Enterprise M553D duplex (Quantity: 1PCs)**

**Required Specifications**

- ☐ **Functionality:** Print-only, color laser printer
- ☐ **Print Speed:** Up to 40 pages per minute (ppm) for both black and color
- ☐ **First Page Out Time:** As fast as 6 seconds (black), 7 seconds (color)
- ☐ **Print Resolution:** Up to 1200 x 1200 dpi
- ☐ **Duplex Printing:** Automatic two-sided printing
- ☐ **Monthly Duty Cycle:** Up to 80,000 pages
- ☐ **Recommended Monthly Page Volume:** 2,000 to 6,000 pages
- ☐ **Processor:** 1.2 GHz
- ☐ **Memory:** Standard 1 GB, expandable to 2 GB
- ☐ **Storage:** 4 GB non-volatile memory
- ☐ **Paper Handling:**
  - **Standard Input Capacity:** 650 sheets (100-sheet multipurpose tray, 550-sheet input tray)
  - **Maximum Input Capacity:** Up to 2,300 sheets with optional trays
  - **Output Capacity:** 250 sheets
  - **Supported Media Sizes:** 3 x 5 inches to 8.5 x 14 inches
  - **Supported Media Types:** Plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy, color transparency, labels, letterhead, envelopes, preprinted, prepunched, colored, rough, opaque film, user-defined
- ☐ **Connectivity:**
  - **Standard Interfaces:** Hi-Speed USB 2.0, Gigabit Ethernet 10/100/1000Base-TX

**+ 1 additional complete sets of toners**

Cartridge set for the HP Color LaserJet Enterprise M553D duplex - Standard Yield – HP 508A Series Black (CF360A) - Cyan (CF361A) - Magenta (CF363A) - Yellow (CF362A)

**One year warrant**

Our company acknowledge and confirming to deliver the above specification

**Company Name:**.....

**Signature:**.....

**Stamp:**.....

**2- Item: ARTronic 3kVA Online UPS (Quantity: 1 PCs)**

**Required Specifications**

- ☐ Power Capacity: 3000 VA
- ☐ Technology: True double-conversion online UPS
- ☐ Power Factor: 0.7 to 0.9
- ☐ Input Voltage Range: 110–300 VAC (single-phase)
- ☐ Output Voltage: 220 VAC  $\pm 1\%$
- ☐ Frequency: 50 Hz  $\pm 0.2\%$  (battery mode)
- ☐ Voltage Waveform: Pure sine wave
- ☐ Total Harmonic Distortion (THD):  $\leq 3\%$
- ☐ Overload Capacity: 10 minutes at 105–130% load; immediate transfer to bypass above 130%
- ☐ Short Circuit Protection: Electronic protection with automatic inverter shutdown
- ☐ Transfer Time: 0 ms (line to battery), typical 2.5 ms (inverter to bypass)
- ☐ Battery Configuration: 8  $\times$  12V 7Ah or 9Ah sealed lead-acid batteries
- ☐ Backup Time: Approximately 6 minutes at full load
- ☐ Recharge Time: 5 hours to 90% capacity
- ☐ Display: LCD or LED panel (model-dependent)
- ☐ Communication Ports: RS-232, USB; optional SNMP slot
- ☐ Software Compatibility: Windows, Linux, Novell
- ☐ Operating Temperature: 0°C to 40°C
- ☐ Humidity: 0–90% RH (non-condensing)
- ☐ Noise Level:  $< 50$  dBA

**3- Item: Hikvision EKI-K41T44 4-Channel 4K NVR with 4 x 4MP Night Vision Turret Cameras (Quantity: 1 PCs)**

**Required Specifications**

- ☐ Resolution: Each camera captures 4MP (2560  $\times$  1440) video at 20 fps. **4 cameras included**
- ☐ Night Vision: Infrared night vision up to 65 feet.
- ☐ NVR: 4-channel 8MP NVR with **1TB preinstalled HDD**; supports up to 6TB.
- ☐ Video Compression: H.265+/H.265/H.264+/H.264/MPEG-4.
- ☐ Outdoor Use: Cameras are IP67-rated for weather resistance.
- ☐ Field of View: 2.8mm fixed lens providing a 100° horizontal field of view.

**4- Item: UPS Batteries (Quantity: 24 PCs)**

**Required Specifications**

Type: Sealed Lead Acid (SLA) Battery  
Nominal Voltage: 12V  
Rated Capacity: 9Ah  
Battery Terminals: F2 Terminals  
Dimensions (L x W x H): 5.95 x 2.56 x 3.86 inches (151 x 65 x 98 mm)  
Weight: Approximately 5.6 lbs (2.54 kg)  
Operating Temperature: Discharge: -20°C to 60°C (-4°F to 140°F)  
Charge: -20°C to 50°C (-4°F to 122°F)  
Storage: -20°C to 50°C (-4°F to 122°F)  
Life Expectancy: 3-5 years.

**5- Item: Samsung 55 Inch LED TV 4K (Quantity: 2 PCs)**

**Required Specifications**

Our company acknowledge and confirming to deliver the above specification

**Company Name:**.....

**Signature:**.....

**Stamp:**.....

6- Item: Sola Lamps big size (Quantity: 2 PCs)

Required Specifications

Guiding specs, not binding

20 W 6V اللوحة الشمسية /  
15000 Mah 3.2v البطارية / ليثيوم  
قوة الإضاءة / 1350 لومن  
100 م.م مساحة تغطية الإضاءة /  
مدة الشحن / 8 ساعات تحت أشعة الشمس المباشرة  
63 cm\*25cm\*5cm المقاسات /



7- Item: spotlights/flashlights (Quantity: 2 PCs)

Required Specifications



Rechargeable spotlights/flashlights

8- Item: USB to Ethernet adapter (Quantity: 1 PCs)

Required Specifications

USB to Ethernet Adapter 10/100 speed, usb3.0

Our company acknowledge and confirming to deliver the above specification

Company Name:.....

Signature:.....

Stamp:.....



## Lot2: Items for Basatin

### 1- Item: HP Color LaserJet Enterprise M553D duplex (Quantity: 1PCs)

#### Required Specifications

- ❑ **Functionality:** Print-only, color laser printer
- ❑ **Print Speed:** Up to 40 pages per minute (ppm) for both black and color
- ❑ **First Page Out Time:** As fast as 6 seconds (black), 7 seconds (color)
- ❑ **Print Resolution:** Up to 1200 x 1200 dpi
- ❑ **Duplex Printing:** Automatic two-sided printing
- ❑ **Monthly Duty Cycle:** Up to 80,000 pages
- ❑ **Recommended Monthly Page Volume:** 2,000 to 6,000 pages
- ❑ **Processor:** 1.2 GHz
- ❑ **Memory:** Standard 1 GB, expandable to 2 GB
- ❑ **Storage:** 4 GB non-volatile memory
- ❑ **Paper Handling:**
  - Standard Input Capacity: 650 sheets (100-sheet multipurpose tray, 550-sheet input tray)
  - Maximum Input Capacity: Up to 2,300 sheets with optional trays
  - Output Capacity: 250 sheets
  - Supported Media Sizes: 3 x 5 inches to 8.5 x 14 inches
  - Supported Media Types: Plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy, color transparency, labels, letterhead, envelopes, preprinted, prepunched, colored, rough, opaque film, user-defined
- ❑ **Connectivity:**
  - Standard Interfaces: Hi-Speed USB 2.0, Gigabit Ethernet 10/100/1000Base-TX

#### + 1 additional complete sets of toners

Cartridge set for the HP Color LaserJet Enterprise M553D duplex - Standard Yield – HP 508A Series Black (CF360A) - Cyan (CF361A) - Magenta (CF363A) - Yellow (CF362A)

#### One year warranty

### 2- Item: ARTronic 3kVA Online UPS (Quantity: 1 PCs)

#### Required Specifications

- ❑ **Power Capacity:** 3000 VA
- ❑ **Technology:** True double-conversion online UPS
- ❑ **Power Factor:** 0.7 to 0.9
- ❑ **Input Voltage Range:** 110–300 VAC (single-phase)
- ❑ **Output Voltage:** 220 VAC  $\pm 1\%$
- ❑ **Frequency:** 50 Hz  $\pm 0.2\%$  (battery mode)
- ❑ **Voltage Waveform:** Pure sine wave
- ❑ **Total Harmonic Distortion (THD):**  $\leq 3\%$
- ❑ **Overload Capacity:** 10 minutes at 105–130% load; immediate transfer to bypass above 130%
- ❑ **Short Circuit Protection:** Electronic protection with automatic inverter shutdown
- ❑ **Transfer Time:** 0 ms (line to battery), typical 2.5 ms (inverter to bypass)

Our company acknowledge and confirming to deliver the above specification

Company Name:.....

Signature:.....

Stamp:.....

- ☐ Battery Configuration: 8 × 12V 7Ah or 9Ah sealed lead-acid batteries
- ☐ Backup Time: Approximately 6 minutes at full load
- ☐ Recharge Time: 5 hours to 90% capacity
- ☐ Display: LCD or LED panel (model-dependent)
- ☐ Communication Ports: RS-232, USB;
- ☐ Software Compatibility: Windows, Linux, Novell
- ☐ Operating Temperature: 0°C to 40°C
- ☐ Humidity: 0–90% RH (non-condensing)
- ☐ Noise Level: <50 dBA

**One year warranty**

### 3- Item: Water Dispenser – Generic Model with Hot & Cold Taps (Quantity: 3 PCs)

#### Required Specifications

- ☐ Type: Floor-standing or tabletop (varies by model)
- ☐ Functions: Cold water, hot water, ambient water (optional)
- ☐ Cooling Method: Compressor-based or electronic (thermoelectric)
- ☐ Hot Water Temperature: 85°C to 95°C
- ☐ Cold Water Temperature: 5°C to 10°C
- ☐ Heating Power: 500W – 750W
- ☐ Cooling Power: 65W – 120W
- ☐ Water Output Capacity:
  - Hot: 4 – 5 liters/hour
  - Cold: 2 – 3 liters/hour

**One year warranty**

### 4- Item: Hikvision EKI-K41T44 4-Channel 4K NVR with 4 x 4MP Night Vision Turret Cameras (Quantity: 1 PCs)

#### Required Specifications

- ☐ Resolution: Each camera captures 4MP (2560 × 1440) video at 20 fps. **4 cameras included**
- ☐ Night Vision: Infrared night vision up to 65 feet.
- ☐ NVR: 4-channel 8MP NVR **with 1TB preinstalled** HDD; supports up to 6TB.
- ☐ Video Compression: H.265+/H.265/H.264+/H.264/MPEG-4.
- ☐ Outdoor Use: Cameras are IP67-rated for weather resistance.
- ☐ Field of View: 2.8mm fixed lens providing a 100° horizontal field of view.

**One year warranty**

### 5- Item: UPS Batteries (Quantity: 24 PCs)

#### Required Specifications

Type: Sealed Lead Acid (SLA) Battery  
 Nominal Voltage: 12V  
 Rated Capacity: 9Ah  
 Battery Terminals: F2 Terminals  
 Dimensions (L x W x H): 5.95 x 2.56 x 3.86 inches (151 x 65 x 98 mm)  
 Weight: Approximately 5.6 lbs (2.54 kg)  
 Operating Temperature: Discharge: -20°C to 60°C (-4°F to 140°F)  
 Charge: -20°C to 50°C (-4°F to 122°F)  
 Storage: -20°C to 50°C (-4°F to 122°F)  
 Life Expectancy: 3-5 years.

### 6- Item: Generic USB Keyboard (Quantity: 11 PCs)

Our company acknowledge and confirming to deliver the above specification

**Company Name:**.....

**Signature:**.....

**Stamp:**.....

### Required Specifications

USB Keyboard, with Arabic keys

### 7- Item: Generic **USB Mouse (Quantity: 11 PCs)**

### Required Specifications

USB Mouse, optical

### 8- Item: **Solar Lamps big size (Quantity: 2 PCs)**

### Required Specifications

Guiding specs, not binding

20 W 6V اللوحة الشمسية /  
15000 Mah 3.2v البطارية / ليثيوم  
قوة الإضاءة / 1350 لومن  
مربع m مساحة تغطية الإضاءة / 100  
مدة الشحن / 8 ساعات تحت أشعة الشمس المباشرة  
63 cm\*25cm\*5cm المقاسات /



Our company acknowledge and confirming to deliver the above specification

Company Name:.....

Signature:.....

Stamp:.....

## Lot3: Items for Mukalla

### 1- Item: HP Color LaserJet Enterprise M553D duplex (Quantity: 1PCs)

#### Required Specifications

- ☑ **Functionality:** Print-only, color laser printer
- ☑ **Print Speed:** Up to 40 pages per minute (ppm) for both black and color
- ☑ **First Page Out Time:** As fast as 6 seconds (black), 7 seconds (color)
- ☑ **Print Resolution:** Up to 1200 x 1200 dpi
- ☑ **Duplex Printing:** Automatic two-sided printing
- ☑ **Monthly Duty Cycle:** Up to 80,000 pages
- ☑ **Recommended Monthly Page Volume:** 2,000 to 6,000 pages
- ☑ **Processor:** 1.2 GHz
- ☑ **Memory:** Standard 1 GB, expandable to 2 GB
- ☑ **Storage:** 4 GB non-volatile memory
- ☑ **Paper Handling:**
  - **Standard Input Capacity:** 650 sheets (100-sheet multipurpose tray, 550-sheet input tray)
  - **Maximum Input Capacity:** Up to 2,300 sheets with optional trays
  - **Output Capacity:** 250 sheets
  - **Supported Media Sizes:** 3 x 5 inches to 8.5 x 14 inches
  - **Supported Media Types:** Plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy, color transparency, labels, letterhead, envelopes, preprinted, prepunched, colored, rough, opaque film, user-defined
- ☑ **Connectivity:**
  - **Standard Interfaces:** Hi-Speed USB 2.0, Gigabit Ethernet 10/100/1000Base-TX

#### + 1 additional complete sets of toners

Cartridge set for the HP Color LaserJet Enterprise M553D duplex - Standard Yield – HP 508A Series Black (CF360A) - Cyan (CF361A) - Magenta (CF363A) - Yellow (CF362A)

#### One year warranty

### 2- Item: ARTronic 3kVA Online UPS (Quantity: 1 PCs)

#### Required Specifications

- ☐ **Power Capacity:** 3000 VA
- ☐ **Technology:** True double-conversion online UPS
- ☐ **Power Factor:** 0.7 to 0.9
- ☐ **Input Voltage Range:** 110–300 VAC (single-phase)
- ☐ **Output Voltage:** 220 VAC  $\pm 1\%$
- ☐ **Frequency:** 50 Hz  $\pm 0.2\%$  (battery mode)
- ☐ **Voltage Waveform:** Pure sine wave
- ☐ **Total Harmonic Distortion (THD):**  $\leq 3\%$
- ☐ **Overload Capacity:** 10 minutes at 105–130% load; immediate transfer to bypass above 130%
- ☐ **Short Circuit Protection:** Electronic protection with automatic inverter shutdown
- ☐ **Transfer Time:** 0 ms (line to battery), typical 2.5 ms (inverter to bypass)
- ☐ **Battery Configuration:** 8 x 12V 7Ah or 9Ah sealed lead-acid batteries
- ☐ **Backup Time:** Approximately 6 minutes at full load
- ☐ **Recharge Time:** 5 hours to 90% capacity
- ☐ **Display:** LCD or LED panel (model-dependent)
- ☐ **Communication Ports:** RS-232, USB; optional SNMP slot
- ☐ **Software Compatibility:** Windows, Linux, Novell
- ☐ **Operating Temperature:** 0°C to 40°C
- ☐ **Humidity:** 0–90% RH (non-condensing)
- ☐ **Noise Level:**  $< 50$  dBA

Our company acknowledge and confirming to deliver the above specification

**Company Name:**.....

**Signature:**.....

**Stamp:**.....

3- Item: Hikvision EKI-K41T44 4-Channel 4K NVR with 4 x 4MP Night Vision Turret Cameras (Quantity: 1 PCs)

**Required Specifications**

- ☐ Resolution: Each camera captures 4MP (2560 × 1440) video at 20 fps. **4 cameras included**
- ☐ Night Vision: Infrared night vision up to 65 feet.
- ☐ NVR: 4-channel 8MP NVR with **1TB preinstalled HDD**; supports up to 6TB.
- ☐ Video Compression: H.265+/H.265/H.264+/H.264/MPEG-4.
- ☐ Outdoor Use: Cameras are IP67-rated for weather resistance.
- ☐ Field of View: 2.8mm fixed lens providing a 100° horizontal field of view.

4- Item: Samsung 55 Inch LED TV 4K (Quantity: 2 PCs)

**Required Specifications**

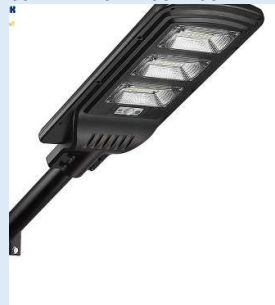
Samsung 55 Inch LED TV standard, 4K

5- Item: Solar Lamps big size (Quantity: 2 PCs)

**Required Specifications**

Guiding specs, not binding

20W 6V اللوحة الشمسية /  
15000Mah 3.2v البطارية / ليثيوم  
قوة الإضاءة / 1350 لومن  
مربع m مساحة تغطية الإضاءة / 100  
مدة الشحن / 8 ساعات تحت أشعة الشمس المباشرة  
63cm\*25cm\*5cm المقاسات /



6- Item: USB to Ethernet adapter (Quantity: 1 PCs)

**Required Specifications**

USB to Ethernet Adapter 10/100 speed, usb3.0



Our company acknowledge and confirming to deliver the above specification

Company Name:.....

Signature:.....

Stamp:.....