To All Bidders
With Respective Addresses

Reference: Procurement of Office Renovation Work for CWA-II PMU Staffs (Proc.Ref.No. ET-MOWE-469314-CW-RFB)

Subject: Response to bidder's Clarification Requests on the Bidding Document

Dears,

We are writing with reference to our bid, which was published in the Ethiopian Herald Newspaper on 21 February 2025. In connection with this, one of the bidders' has submitted a request seeking clarification on certain points within the bidding document.

To ensure transparency and a fair evaluation process, we have reviewed and provided detailed responses to the clarification requests. We believe these clarifications will help to further facilitate the understanding of the bidding requirements and assist all parties in making an informed decision.

Therefore, attached to this letter, you will find **Eight Pages** outlining the bidder's clarification requests along with our corresponding responses.

With Regards,

Ambassador Asfaw Dingamo (Ph.D)
State Minister

CC:

❖ Office of Ministry of Water and Energy (Without Attachment)
❖ Water Supply and Sanitation Sector State Minister (Without Attachment)
❖ Procurement Executive Officer (With Attachment)
❖ One WaSH National Program CWA-II PMU (With Attachment)
❖ CWA-II Procurement Section (With Attachment)
Ministry of Water and Energy

S.No	Clarifications Requested from bidder	Response from the Client (MoWE)
1.	Is Site Visit Mandatory?	It is not Mandatory
2.	In BOQ 4.5, is the interior design fee only for work execution or does it include design by the contractor?	The **interior design fee (BOQ 4.5)** is strictly for the execution of the approved design provided by the client, not for design development by the contractor. The client has already finalized and approved the design plans, and the contractor's role is limited to implementing these plan, including labor, materials, and supervision.

3.	In 5. electrical fixtures & Electronics, all items have no specifications therefore we need the Specifications like Type, Power Rating, Voltage, IP Rating, Material & Life Span.	**Ceiling Light (Item 5.1):**
		  o **Type:** LED ceiling light (recessed or surface-mounted).
		  o **Power Rating:** 13W.
		  o **Voltage:** 110-240V AC.
		  o **IP Rating:** Minimum IP20 for indoor use (or higher if required for specific areas).
		  o **Material:** Aluminum or polycarbonate housing.
		  o **Lifespan:** Minimum 25,000 hours.
		
		Suspended Pendant Lights (Items 5.2, 5.3, 5.4, 5.5):
		  o **Type:** Modern pendant lights (e.g., cylindrical, spherical).
		  o **Power Rating:** 13W (Pendant Light A), 15W (Pendant Light B).
		  o **Voltage:** 110-240V AC.
		  o **IP Rating:** IP20 for indoor use.
		  o **Material:** Anodized aluminum, frosted glass, or clear glass diffuser.
		  o **Lifespan:** Minimum 25,000 hours.
		
		Ceiling Aluminum Strip Light (Item 5.6):
		  o **Type:** Linear LED strip light.
		  o **Power Rating:** 18W.
		  o **Voltage:** 12V DC or 110-240V AC.
		  o **IP Rating:** IP20 for indoor use (or IP65 if used in moisture-prone areas).
		  o **Material:** Aluminum housing with polycarbonate diffuser.
		  o **Lifespan:** Minimum 30,000 hours.
		
		Strip Light as Shadow Light (Item 5.7):
		  o **Type:** Slim LED strip light.
		  o **Power Rating:** 18W.
		  o **Voltage:** 12V DC or 110-240V AC.
		  o **IP Rating:** IP20 for indoor use.
		  o **Material:** Aluminum body with frosted polycarbonate diffuser.
		  o **Lifespan:** Minimum 30,000 hours.
		
		Electrical System (Sockets and Outlets) (Item 5.8):
		  o **Type:** Standard power outlets (Type A, B, C, as per local standards).
		  o **Voltage:** 110-240V AC, 50/60Hz.

		o **Current Rating:** 15A or 20A.
		o **IP Rating:** IP20 for indoor use.
		o **Material:** Fire-resistant thermoplastic or polycarbonate.
		o **Lifespan:** Minimum 10 years.

Outdoor Camera (Item 5.10):
- o **Type:** Weatherproof surveillance camera.
- o **Power Rating:** As per manufacturer specifications.
- o **Voltage:** 12V DC or PoE (Power over Ethernet).
- o **IP Rating:** Minimum IP66 for outdoor use.
- o **Material:** Aluminum or polycarbonate housing.
- o **Lifespan:** Minimum 5 years.

LED+ Speaker Light Bulb (Item 5.11):
- o **Type:** Smart LED bulb with integrated speaker.
- o **Power Rating:** As per manufacturer specifications (typically 9-12W).
- o **Voltage:** 110-240V AC.
- o **IP Rating:** IP20 for indoor use.
- o **Material:** Plastic or glass housing.
- o **Lifespan:** Minimum 15,000 hours.

Detailed specification for the **100-inch LED interactive smart TV screen (Item 5.9)**

To ensure it meets the requirements for an office renovation project. This specification includes **technical details, features,** and **compliance standards** to guide the procurement process:

Type: Commercial-Grade LED Display: Designed for high-performance and long-term use in professional environments and **Interactive Touchscreen:** Supports multi-touch functionality (e.g., 10-point touch or more) for collaborative use.

1) **Display Specifications:**
   - o **Screen Size: 100 inches** (diagonal measurement).
   - o **Resolution: 4K UHD (3840 x 2160 pixels) and 8K (7680 x 4320 pixels):** Standard for high-definition display.
   - o **Brightness: 500 nits** or higher for clear visibility in well-lit office environments.
   - o **Contrast Ratio: 4000:1** or higher for vibrant and detailed visuals.
   - o **Viewing Angle: 178°** (horizontal and vertical) for wide-angle visibility.
2) **Touchscreen Features:**
   - o **Touch Technology:**
     - ▪ **Infrared (IR) Touch:** Supports multi-touch and gesture recognition.
     - ▪ **Capacitive Touch:** For more precise and responsive touch input.
   - o **Touch Points:** Minimum **10-point touch** for

collaborative use.
- o **Touch Accuracy: ±1mm** for precise input.
- o **Touch Response Time: 8ms** or faster for smooth interaction.
3) **Power Rating:**
   - o **Power Consumption: 300-500W** (as per manufacturer specifications).
   - o **Voltage: 110-240V AC, 50/60Hz** (universal voltage compatibility).
4) **Durability and Build:**
   - o **Material:**
     - ▪ **Frame:** Aluminum for durability and lightweight construction.
     - ▪ **Screen:** Anti-glare, tempered glass for scratch resistance and reduced reflections.
   - o **IP Rating: IP20** (indoor use, protection against dust and light moisture).
5) **Connectivity and Ports:**
   - o **HDMI Ports:** Minimum **3 HDMI ports** (e.g., HDMI 2.0 or higher) for connecting multiple devices.
   - o **USB Ports:** Minimum **2 USB ports** for connecting peripherals (e.g., flash drives, cameras).
   - o **VGA Port: 1 VGA port** for legacy device compatibility.
   - o **Audio Out: 3.5mm audio jack** and **optical audio output** for external speakers.
   - o **Network Connectivity:**
     - ▪ **Ethernet Port:** For wired internet connection.
     - ▪ **Wi-Fi:** Dual-band Wi-Fi (2.4GHz and 5GHz) for wireless connectivity.
   - o **Bluetooth: Bluetooth 5.0** for connecting wireless peripherals (e.g., keyboards, mice).
6) **Smart Features:**
   - o **Operating System: Android TV:** For access to apps, streaming services, and Google Assistant.
     - ▪ **Optional:** WebOS (LG) or Tizen (Samsung) for alternative smart platforms.
   - o **Voice Control:** Integration with **Google Assistant, Amazon Alexa**, or **Apple Siri**.
   - o **App Support:** Pre-installed apps for video conferencing (e.g., Zoom, Microsoft Teams) and productivity tools.
   - o **Screen Mirroring:** Supports **Miracast, Airplay,** and **Chromecast** for wireless screen sharing.
7) **Audio Features:**
   - o **Built-In Speakers: 20W stereo speakers** with Dolby Audio for clear sound.
   - o **Sound bar Compatibility:** Supports external sound bars for enhanced audio quality.

		o **Dolby Atmos:** Optional support for immersive audio experience.
		8) **Lifespan and Warranty:**
		  o **Lifespan:** Minimum **50,000 hours** of operational life.
		  o **Warranty:** Manufacturer's warranty of **3 years** covering parts and labor.
		9) **Mounting and Installation:**
		  o **Wall Mount:** Compatible with **VESA mount** (e.g., 600 x 400mm) for easy installation.
		  o **Stand Option:** Optional floor stand or mobile cart for flexible placement.
		  o **Installation:** Professional installation recommended for optimal setup and calibration

4.	**Automatic Door Specification not specified as There Are number Of Automatic Doors in the Market.**	1. **Detailed Specification for Smart Automatic Door**
		a) **Type of Door:**
		  o **Type:** Sliding automatic door (bi-parting or single slide).
		  o **Operation:** Fully automatic with **AI-powered motion detection.**
		  o **Configuration:**
		  ▪ **Single Slide:** For standard entrances (e.g., 120cm width).
		  ▪ **Bi-Parting:** For wider entrances (e.g., 160cm to 300cm width).
		  o **Customization:** Optional **revolving** or **swinging doors** for specific needs.
		b) **Dimensions:**
		  o **Width:** Standard width of **120cm** (customizable up to **300cm**).
		  o **Height:** Standard height of **210cm** (customizable up to **300cm**).
		  o **Thickness:** Door panel thickness of 6-10mm (tempered glass or aluminum composite).
		c) **Power Rating:**
		  o **Voltage:** 110-240V AC, 50/60Hz.
		  o **Power Consumption:** Maximum **150W** during operation.
		  o **Backup Power:** Integrated **UPS system** with **48-hour battery backup.**
		d) **Operation Mechanism:**
		  o **Activation:**
		  ▪ **AI-Powered Sensors:** Advanced motion detection with **facial recognition** and **object tracking.**
		  ▪ **Touch less Activation:** Wave-to-open technology for hygienic operation.
		  o **Speed Control:** Adjustable opening and closing speed (e.g., 10-60 cm/sec) with **soft start/stop.**
		  o **Hold-Open Time:** Adjustable hold-open duration (e.g., 5-60 seconds) with **traffic-**

sensitive mode.
  e) **Safety Features:**
    o **Obstacle Detection:**
      ▪ **3D LiDAR Sensors:** For precise obstacle detection and collision prevention.
      ▪ **Emergency Stop:** Immediate stop function if an obstacle is detected.
    o **Fire Safety Integration:**
      ▪ **Automatic Closure:** Integrated with fire alarm systems for automatic closure during emergencies.
      ▪ **Fire-Rated Options:** Available for fire-rated doors (up to **2-hour fire resistance**).
    o **Child Safety:** Low-height sensors to detect children or pets.
    o **Safety Certifications:** Compliant with **EN 16005, ANSI/BHMA A156.10, and ISO 9001**.
  f) **Material and Finish:**
    o **Door Material:**
      ▪ **Frame:** High-grade **stainless steel** or **anodized aluminum** with anti-corrosion coating.
      ▪ **Panel: 10mm tempered glass** (laminated or double-glazed for enhanced security and insulation).
    o **Finish:**
      ▪ **Powder-Coated:** Durable and scratch-resistant finish in a wide range of colors (e.g., matte black, brushed silver).
      ▪ **Custom Branding:** Option to add logos or decorative elements using **UV printing** or **etching**.
    o **Glass Options:**
      ▪ **Clear, Frosted, or Tinted:** For privacy or aesthetic preferences.
      ▪ **Smart Glass:** Switchable glass that can change from transparent to opaque with an electric current.
  g) **Smart Lock Integration:**
    o **Lock Type:**
      ▪ **Multi-Factor Authentication:** Combination of **biometric fingerprint scanner, RFID card reader**, and **PIN code**.
      ▪ **Facial Recognition:** Advanced facial recognition for secure access.
    o **Connectivity:**
      ▪ **Wi-Fi 6 and Bluetooth 5.0:** For fast and reliable connectivity.
      ▪ **Mobile App Integration:** Remote control and monitoring via a dedicated app (iOS and Android).
    o **Access Control:**

		▪ **Cloud-Based Management:** Centralized control via a cloud platform for multiple doors.
		▪ **Time-Based Access:** Schedule-based access for employees or visitors.
		h) **IP Rating:**
		○ **Indoor Use:** IP44 (dust and splash-proof).
		○ **Outdoor Use:** IP65 (fully weatherproof for outdoor installations).
		i) **Energy Efficiency:**
		○ **Low Power Mode:** Automatically switches to low power mode when idle.
		○ **Insulation:** Double-glazed glass panels with **Low-E coating** for thermal insulation.
		○ **Energy Star Certified:** Meets energy efficiency standards for reduced power consumption.
		j) **Certifications:**
		○ **Compliance:** CE, RoHS, ISO 9001, and ISO 14001 certified.
		○ **Accessibility Standards:** ADA-compliant for wheelchair accessibility.
		○ **Security Standards:** EN 1634 (fire resistance) and EN 1627 (burglar resistance).
		k) **Lifespan and Warranty:**
		○ **Lifespan:** Minimum **15 years** of operational life with regular maintenance.
		○ **Warranty:** Manufacturer's warranty of **5 years** covering parts, labor, and software updates.
		l) **Additional Features:**
		○ **Voice Control:** Integration with **Google Assistant**, **Amazon Alexa**, or **Apple Siri** for voice-activated operation.
		○ **Traffic Analytics:** Built-in sensors to track foot traffic and generate reports for facility management.
		○ **Self-Cleaning Glass:** Optional **hydrophobic coating** for easy cleaning and maintenance.
		○ **Emergency Breakaway:** Panels designed to break away safely in case of emergency.
5.	In Sanitary Work. PPR & Gate Valve Size not Defined & fixtures like WC & Hand wash Doesn't Have Specification like Flushing System, Type of Material like Vitreous China or Ceramic, and Brand.	**2. Sanitary Work;-** The actual sizes of **PPR pipes, gate valves, toilets (WC),** and **hand wash basins** should be selected based on the specific requirements of the plumbing system, the number of users, and the design layout. Below are the **recommended actual sizes** for each component: **1. PPR Pipes:** • **Water Supply Lines:** ○ **Main Supply Line: 25mm (1 inch)** PPR pipe for the main water supply to ensure adequate flow rate. ○ **Branch Lines: 20mm (¾ inch)** PPR pipe

| | | for distributing water to individual fixtures (e.g., toilets, hand wash basins).
• **Wall Thickness:**
    ◦ **SDR 7.4 (PN20):** Suitable for both hot and cold water systems with a pressure rating of 20 bar at 20°C.
2. Gate Valves:
• **Main Shut-Off Valve: 25mm (1 inch)** gate valve for the main water supply line.
• **Fixture Shut-Off Valves: 15mm (½ inch)** or **20mm (¾ inch)** gate valves for individual fixtures (e.g., toilets, hand wash basins).
• **Material:** Brass or stainless steel with EPDM or Teflon seats for durability and leak-proof operation.
3. Toilet (WC):
• **Type:**
    ◦ **One-Piece or Two-Piece:** Choose based on design preferences and maintenance requirements.
• **Flushing System:**
    ◦ **Dual-Flush: 3L/6L** for water efficiency.
• **Material:**
    ◦ **Vitreous China:** Durable and easy to clean.
• **Height:**
    ◦ **Comfort Height: 17-19 inches** (ADA-compliant for accessibility).
• **Waste Outlet:**
    ◦ **Standard Size: 4-inch (100mm)** for connection to the drainage system. |
| | | **4. Hand Wash Basin:**
• **Type:**
    ◦ **Wall-Mounted or Countertop:** Choose based on space and design preferences.
• **Material:**
    ◦ **Vitreous China or Ceramic:** High-gloss finish for a modern look.
• **Bowl Shape:**
    ◦ **Rectangular or Oval:** Choose based on design preferences.
• **Faucet Type: Single-Handle:** For ease of use.
• **Faucet Finish:**
    ◦ **Chrome or Brushed Nickel:** For a sleek and professional appearance.
• **Drain Size: Standard Size: 1¼-inch (32mm)** for connection to the drainage system.
5. Drainage System:
• **Waste Water Pipes:**
    ◦ **Toilet Drainage: 100mm (4 inch)** PVC |

	pipe.
	○ **Hand Wash Basin Drainage: 50mm (2 inch)** PVC pipe.
	• **P-Trap: Size: 50mm (2 inch)** for hand wash basins.
	• **Accessories:**
	○ **Wax Ring:** Standard size for WC installation.
	○ **Bolts and Water Supply Lines:** Stainless steel for durability.