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## TECHNICAL SPECIFICATIONS

EQUIPMENTS FOR TRAFFIC MONITORING CENTER (TMC):

TRAFFIC MONITORING CENTER  
VIDEO WALL

# TECHNICAL SPECIFICATIONS: TRAFFIC MONITORING CENTER VIDEO WALL

## General Description:

The primary objective of this tender is to request proposals for the supply and installation of a high-quality Video Wall system for the Traffic Monitoring Center (TMC) located in Chişinău, Moldova. The Video Wall will serve as a critical component for real-time monitoring and visualization of traffic conditions, road situations and public transport operations throughout the city. Its purpose is to substantially enhance the city's ability to make real-time decisions, manage traffic efficiently and respond promptly to various transportation issues.

## Scope of Work:

- **Supplies:** Furnishing a Video Wall system that complies with or exceeds the technical specifications detailed in the tender documents.
- **Installation:** End-to-end installation of the Video Wall system, including all necessary hardware components, within the control room of the TMC.
- **Configuration:** Initial setup and configuration of the Video Wall system.

## Minimal technical specifications:

Nr. Lot	No.	Name	Technical specifications	Quantity
<b>1</b>	<b>Supplies</b>			
	1.1	Video wall	<p><b>The system shall consist of 6 panels arranged in a 3x2 matrix configuration.</b></p> <p><b>PANEL:</b></p> <p><b>Screen size:</b> 54 inches (minimum) and 56 inches (maximum)</p> <p><b>Panel Technology:</b> IPS or superior</p> <p><b>Aspect Ratio:</b> 16:9</p> <p><b>Viewing Angle (H x V):</b> 178° x 178°</p> <p><b>Response time:</b> maximum 8 ms (Grey to Grey)</p> <p><b>Resolution:</b> minimum 1920x1080p resolution (Full HD) for each panel, preferably – 4K resolution</p> <p><b>Screen surface treatment:</b> Ani-glare with a minimum Haze rating of 25%</p> <p><b>Connectivity:</b></p> <ul style="list-style-type: none"> <li>- <b>Input:</b> minimum Display Port and HDMI; additional protocols as needed for the applicant's solution</li> <li>- <b>Output:</b> minimum DisplayPort and HDMI; additional protocols as needed for the applicant's solution</li> <li>- Sufficient ports for inter-panel connections</li> </ul> <p><b>Bezel width:</b> Monitor bezel width must ensure a physical seam between Video Wall screens of no more than 2,5 mm</p> <p><b>Bezel Colour:</b> Black, grey or another dark colour</p>	6 pcs.

			<p><b>Minimum lifetime</b> of 60,000 operating hours, with continuous operation 24/7/365</p> <p><b>Operating temperature:</b> 0°C to 35°C or better</p> <p><b>Minimum warranty period:</b> 36 months from date of installation, with the possibility of expansion as an optional feature.</p> <p><b>Additional information:</b> Installation, placement and commissioning are to be provided by the Contractor.</p> <p><b>Delivery, installation and commissioning deadline:</b> up to 60 days from the date of contract registration.</p>	
	1.2	Wall Mount	Wall Mount with pop-up function that is compatible with the proposed panels.	6 pcs.
	1.3	Video Wall Frame	To be compatible with the proposed panels.	1 pcs.
	1.4	Wires and other installation material	All necessary wires and installation materials required for the installation and connection of the Video Wall.	1 pcs.
<b>2</b>	<b>Services</b>			
	2.1	Connection of workstations	Ensure the proper connection of workstation to the Video Wall.	1 unit
	2.2	Installation and commissioning works.	Perform installation and commissioning works to set up the Video Wall system.	1 unit
	2.3	Configuration	Perform initial setup and configuration of the Video Wall system	1 unit
	2.4	Other works according to the candidate's solution	Include any additional works or services that are part of the candidate's proposed solution and align with the requirements specified in the tender document.	1 unit

#### **Additional Requirements:**

1. The supplier(s) must provide their registration number from the list of producers in accordance with p. 111 of the Regulation on waste electrical and electronic equipment, approved by Government Decision no. 212/2018.
2. The supplier(s) must provide documentary evidence of the availability of a service center for the proposed equipment on the territory of the Republic of Moldova.
3. All equipment specified in the tender must be brand new and not refurbished/renewed.
4. Video Wall panels must be under warranty and supported by the manufacturer for at least 36 months. The proposal should include Manufacturer's Declaration that certifies the product(s) in question are not End-of-Life (EoL) products and are expected to receive updates and support for at least 36 months. Any products that are considered End-of-Life products would not be accepted.
5. "CE" declarations of conformity ("*Conformité Européenne*").
6. Manufacturer's ISO 9001 quality management system certificate.
7. The Video Wall equipment should not be vendor-locked and should enable seamless scalability for future expansion or integration with emerging technologies.
8. The updates of the software related to the Video Wall (if any) should be free of charge.

**Other Mentions:**

The Video Wall will be installed at the Chisinau Traffic Monitoring Center building – located: Republic of Moldova, mun. Chisinau, 18 Serghei Lazo street – the office of General Directorate of Urban Mobility.