# Terms of Reference for design of infrastructure works at Criva “BCP”

1. **Background of the project**

The **EU 4 Border Security** Project aims at enhancing the inter-agency cooperation through establishment of a video-control system (CCTV) and Automatic number-plate recognition (ANPR) system at some of the busiest road border crossing points (BCPs) at the Moldovan-Ukrainian border and supporting the exchange of video information and data between the targeted BCPs.

The project results will be of great importance for development of modern automated information exchange systems for border, customs or law enforcement agencies, including the tactical and operational use of the Automated number-plate recognition system at local and central levels.

The project is funded by European Union and implemented by International Organization for Migration (IOM) Missions to Moldova and Ukraine. Project beneficiaries are the Customs Service of the Republic of Moldova, the State Customs Service of Ukraine, the State Border Guard Service of Ukraine, the General Inspectorate for Border Police of the Republic of Moldova.

1. **Objective of the Services**

The overall objective of required services is to design the infrastructure modernization for establishment of a video-control system (CCTV) and automatic number-plate recognition (ANPR) system by designing the project documentation for the modernization of 2 Border Crossing Points at Moldovan-Ukrainian border, namely “Criva”, and Jointly Operated BCP ”Palanca”.

The future infrastructure works **are out of scope of the current tender** and will be performed by another contractor. However, it is expected that a cooperation between two contractors would be established and maintained during the performance of the contracts.

**IMPORTANT NOTICE:** The service provider awarded for developing technical design for the infrastructure modernization at “Criva” BCPs will not be qualified to participate in later call for proposals for infrastructure/construction works in the framework of current IOM project.

1. **Organisational structure**

The service provider will work under the overall supervision of the Chief of Mission and the direct supervision of the Project Coordinator, IOM Project Management Team as well as the direct project beneficiaries namely the Customs Service (CS) and General Inspectorate of Border Police (GIBP) of the Republic of Moldova and in coordination.

The Service Provider shall finalize all the contents of the Project Technical Documents incorporating the feedback from CS, GIBP and IOM and taking into consideration all the technical and regulatory requirements of relevant State agencies who have technical and/or regulatory functions over the works included in the Project Technical Documents.

1. **Minimum Qualification Requirements for the Service Provider**

The Service providershall possess the following minimum qualifications:

1) Has at at least three (3) years of experience in preparing technical designs for similar projects.

2) Has completed at least (3) similar projects (design of infrastructure/construction works) of similar complexity.

3) Has experienced technical design personnel/experts specializing in:

1. *General construction works (civil, electrical supply systems, heating, ventilation/air conditioning systems, illumination systems).*
2. *Design of cable trays, LAN/internet networks.*
3. *Video-control systems.*

4) Officially registered in the Republic of Moldova as a legal entity (or as a resident legal entity in the case of foreign companies) with the economic activity relevant to the terms of the reference of the project.

Interested service providers who possess the minimum qualifications described above shall submit to IOM Moldova, the necessary documentary evidences to prove their qualification. The following comprise the minimum set of qualification documents required by IOM in this regard:

a) Company Profile outlining the history, shareholders, experience and financial standing of the Applicant.

b) Copies of the government registration documents.

c) Copies of specialized permits and/or authorizations related to the technical expertise required.

d) List of related projects implemented or currently implementing.

1. **Deliverables and Time Schedule**

The work of the Service Provider shall be based on the findings of *VICOS (Video Control) concept* and *Terms of Reference for VICOS implementation* developed by IOM experts.

The above-mentioned documents include a detailed assessment and description of the existing infrastructure (electrical wiring and electricity systems, LAN/internet network, server rooms, workstations, existing illumination and video surveillance system, cable trays, etc.) and series of recommendations for the infrastructure modernization. It also includes the requirements for necessary equipment (amount and types of video cameras, storage workstations etc.), their exact desired location on the territory of BCPs.

The *VICOS (Video Control) concept* and *Terms of Reference for VICOS implementation* (available in Russian and English languages) will be provided to interested service providers to present Request for Proposals upon a written request to vpanfilii@iom.int, cc nbalan@iom.int and signing of a non-disclosure agreement. Interested service providers shall assure a high degree of confidentiality of requested documents.

Topographic plans and schemes will be provided to the selected contractor after the conclusion of the agreement.

**The deliverables under this project are presented below:**

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| **Deliverable** | **Expected outputs** | **Format** |
| **”Criva” Border Crossing Point** |
| * 1. Technical Documents
 | **a. Technical Specifications** (*RO: Caiet de sarcini*)which includes the description of works and detailed description of materials and equipment used for each type of work.1. Preliminary works for installation of an information panel (*1 unit*) and traffic lights (*2 units*).
2. Modernization of local area network in order to ensure the possibility to install CCTV (*6 units*) and ANPR (*20 units*) cameras.
3. Modernization of local area network and electric supply system in order to ensure the installation of traffic barier (*1 unit*).

~~Installation of ground loop equipment for server hardware.~~ ~~Modernization of the electric supply system in the server room.~~1. Modernization of the lighting protection system for the video-surveillance system (ANPR and CCTV and server room).
2. Modernization of illumination system (installation of LED lights).
3. ~~Modernization of the server room in order to ensure the~~ Installation of the rack cabinet for 24 units in server room.
4. Modernization of server room air-conditioning system.

~~Installation of a support pillar (~~*~~1 unit~~*~~) for video-cameras.~~**b. Bill of Quantities** (*RO: Lista cu cantitățile de lucrări*) for all above-mentioned works:**c. Technical Drawings** which shall include arrangement of the communication (optical) network for CCTV system, development of technical conditions and points of connection at the places of video cameras installation. | a. (Electronic version – MS Word; Hard Copy – A4);**b.** (Electronic version – MS Excel; Hard Copy – A4);**c.** (Electronic copy – PDF and VSD (or similar); Hard Copy – A3); |
| 1.2. Financial Estimations | Financial estimations shall include costs for infrastructure materials (cables, wiring etc) and works. |  |

1. **Standards and compliance with national regulations**

The contractor shall comply with all active national standards and regulations regarding architectural and town-planning, constructions, environmental protection, ecological safety as well as energy efficiency.

1. **Data and other support to be provided by IOM**

The International Organization Mission (IOM) to Moldova will facilitate the communication of the Service Provider with project beneficiaries in order to access the information needed for successful implementation of the task. IOM will also facilitate the physical access of the Service Provider experts on the territory of the Border Crossing Points to conduct the project activities and assess the existing infrastructure.

1. **Confidentiality**

The service provider and IOM Mission in Moldova will sign a confidentiality agreement on non-disclosure of the *Technical Assessment Report*, *VICOS Concept* and *Terms of Reference* *for VICOS* as well as the design documentation produced within the project.