



## TERMS OF REFERENCE

- Job Title:** International Technical Consultant to Upgrade and Finalize the Methodology for the Identification of Ponds and Reservoirs for Disposal
- Duty Station:** Chisinau
- Project reference:** Support to the Moldovan Authorities for the Sustainable Management of the Dniester River (Dniester 2 Project)
- Contract type:** Individual Contract (IC)
- Contract Duration:** 30 working days during 15 March – June 2025

### I. BACKGROUND:

Sustainable management of water resources in accordance with the principle of integrated water management is a priority for Moldova. For further development of the water policy and improvement of the regulatory framework, the Ministry of Environment, with the support of its subordinated institutions, is responsible for ensuring an ongoing dialogue with the two neighboring countries on the integrated management of transboundary water resources, with the goal to ensure the quality and quantity of water needed for both sustainable socio-economic development of the country and a healthy environment.

In the process of improving the national regulatory framework, and harmonizing the environmental legislation with the provisions of European Union (EU) legislation, the national environmental protection system faces many constraints, mainly related to outdated standards, normative acts, capacity of responsible institutions, shortage of qualified staff in the government sectoral institutes, etc.

The importance of integrated management of the Dniester River is indisputable for the Republic of Moldova. It is the Republic of Moldova's largest river, covering 70% of the country's water consumption needs, thus being considered a strategic surface water resource for both environmental and socio-economic security of the country. At the same time, the Dniester River is Ukraine's second largest river in terms of water discharge.

According to the Republic of Moldova's Water Law 272/2011, river basin district management plans (RBDMP) are being developed for 6-year cycles. The Dniester River Basin Management Plan (RBMP) for 2025-2030 concerns Ukraine as well. For this reason, important methodological aspects were harmonized between the two countries' experts and institutions, and a Joint Strategic Action Program was prepared with assistance of the GEF / UNDP/ OSCE/ UNECE project "Enabling transboundary co-operation and integrated water resources management in the Dniester River Basin". The Strategic Action Program (SAP) is one of the key strategic documents of the Commission on Sustainable Use and Protection of the Dniester River Basin. It is based on the findings of the Transboundary Diagnostic Analysis (TDA) for the Dniester River Basin. Both documents have been developed according to the methodology agreed by the two countries and have been extensively consulted. The documents contribute to the Dniester River basin

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management planning at the national level, as well as support implementation of international commitments to develop joint plans for the transboundary basins. On March 31, 2021, a Joint Statement on the approval of the Strategic Action Program for the Dniester River Basin for 2021 was signed by the representatives of the Ministry of Agriculture, Regional Development and Environment of the Republic of Moldova and the Ministry of Environmental Protection and Natural Resources of Ukraine.

Along with efforts to manage the cross-border issues of the Dniester River management under the framework of the Dniester Commission, currently, the national environmental institutions are engaged in an extensive process of functional analysis aimed at streamlining their structures, functions, and capacities in the field of integrated management of water resources.

The strategy of the project "Support to the Moldovan authorities for the sustainable management of the Dniester River" is to improve environmental and social conditions in the Dniester River Basin District through enhanced management of water resources on the basis of an updated regulatory framework, a comprehensive and reliable river basin management planning, improved water management institutional capacities and implementation of practical environmental activities that would improve the ecological status of the Dniester River, identified as part of the Dniester Impact Study (2021).

The Overall Objective of the project is to increase the capacity of the Moldovan Government to sustainably manage the Dniester River basin at the national and transboundary levels, including:

- 1) To ensure that the Republic of Moldova has a sufficient regulatory framework for sustainable river management based on the basin-wide approach supported by the EU WFD provisions,
- 2) To provide the Moldovan Government with a comprehensive and realistic Management Plan for the Dniester River Basin developed in compliance with the EU WFD,
- 3) To provide continuous support for the enhancement of capacities of national authorities responsible for water management, as well as the Moldovan representatives under joint Moldovan and Ukrainian bodies tasked with cross-border management of the Dniester River
- 4) To improve the social, economic, and environmental conditions of the Dniester River.

The project duration is from August 2022 through August 2026.

### **II. OBJECTIVE:**

In accordance with Water Law 272/2011, water is recognized as a renewable, vulnerable, and limited natural resource, crucial for life and societal functions, pivotal for ecological equilibrium, essential for various industrial processes, a source of energy, and a medium for transportation. It is classified as part of the state's public domain, ensuring the right of both natural and legal entities to its use within legal parameters.

Over the years, numerous reservoirs and ponds have been constructed to address water demands for the populace and to foster economic growth. These reservoirs and ponds serve multiple purposes including irrigation, recreation, aquaculture, livestock watering, and industrial use. However, many of these structures were built before the 1960s without adequate planning, leading to inefficiencies in their utilization.

Under the auspices of the SDC/ADA project project "Strengthening the institutional framework in the field of water resources in the Republic of Moldova" Phase-01 (SDC/ADA project) commissioned by the "Apele

Moldovei" Agency in 2019, an assessment of the technical condition of hydrotechnical constructions was conducted following the field inventory of approximately 60% of existing reservoirs/ponds. The findings reveal that a significant portion of these structures are in an unsatisfactory technical state, posing risks to their continued operation. Namely, out of 2075 inventoried dams in the Dniester River basin district, 638 are in satisfactory condition, 316 are in unsatisfactory condition, 231 partially destroyed and 51 destroyed, which is 40.4%.

Experts warn that the situation could deteriorate further due to the excessively high density of ponds and reservoirs across Moldova, compounded by their uneven distribution within river basins. The lack of proper exploitation of water accumulations and the prolonged exploitation periods increase the risk of overflow.

Consequently, it becomes imperative to identify reservoirs and water ponds at risk and take urgent action to dismantle hydro-technical structures if deemed necessary.

In response, a draft Methodology for the identification of ponds and reservoirs for disposal has been developed under the SDC/ADA project. However, this methodology requires substantial refinement and adjustment to the relevant legislation, including the Water Law No 272/2011 and urban planning regulations, and once finalized the methodology is to be promoted for approval by Government decision.

### III. SCOPE OF WORK AND EXPECTED OUTPUTS:

The objective of this assignment is to provide technical support to the Government of the Republic of Moldova by:

1. Upgrading and finalizing the Methodology for the Identification of Ponds and Reservoirs for Disposal.
2. Developing the Regulatory Impact Assessment (RIA) for the draft Methodology for the Identification of Ponds and Reservoirs for Disposal.
3. Supporting the process of official endorsement by the Government of Moldova of the Methodology for the Identification of Ponds and Reservoirs for Disposal.

This assignment will be conducted under the supervision of the Project Manager and in close collaboration with the staff of the Directorate for Integrated Water Resources Management Policies of the Ministry of Environment and the „Apele Moldovei” Agency. The International Technical Consultant will be assisted by a National Legal Consultant to be contracted by the project to ensure the legal requirements and techniques are met in the process of upgrading and finalizing the draft Methodology for the Identification of Ponds and Reservoirs for Disposal, development of Information Note, draft Government Decision, RIA.

The main tasks of the International Technical Consultant include:

1. Up-grading and finalizing the Methodology for the Identification of Ponds and Reservoirs for Disposal.
2. Prepare the necessary technical information for the development of the RIA of the Methodology for the Identification of Ponds and Reservoirs for Disposal.
3. Provide support/advice for the revision of RIA of the draft Methodology for the Identification of Ponds and Reservoirs for Disposal based on the comments of the Working Group of the State Commission for Regulation of Entrepreneurial Activity.
4. Provide support in the endorsement and public consultation process of the draft Methodology for the Identification of Ponds and Reservoirs for Disposal.

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- Participate in the working meetings of the Ministry of Environment/Apele Moldovei Agency and in the finalization of the draft Methodology and the related package (Information Note, Summary Table) based on the objections, proposals and recommendations received following the endorsement and public consultations.

The International Technical Consultant is expected to deliver the following outputs as per the below-identified timeline and anticipated workload:

No.	Deliverables	Tentative timeframe
1	<b>Deliverable 1:</b> Upgraded draft Methodology for the identification of ponds and reservoirs for disposal, technical inputs to the development of Information Note.	By mid-April 2025 20 w.d.
2	<b>Deliverable 2:</b> Report on technical inputs to development and revision of RIA of the Methodology for the identification of ponds and reservoirs for disposal, participation in the meeting of the WG SCREA.	By mid-May 2025 4 w.d.
3	<b>Deliverable 3:</b> Final Methodology for the identification of ponds and reservoirs for disposal in accordance with relevant objections and recommendations received during the official endorsement and public consultation, contributions to the summary table on objections recommendations received during the official endorsement process.	By June 2025 6 w.d.

#### IV. FINANCIAL ARRANGEMENTS:

The financial proposal shall specify a total amount, and payment terms around specific and measurable (qualitative and quantitative) deliverables (i.e., whether payments fall in instalments or upon completion of the entire contract). Payments are based upon output, i.e., upon delivery of the services specified in TOR. To assist the requesting unit in the comparison of financial proposals, the financial proposal will include a breakdown of this total amount (including the daily fee, taxes, and the number of anticipated working days).

Payments will be disbursed in several instalments, upon submission and approval of deliverables, and certification by Project Manager and UNDP Moldova Programme Specialist/Cluster Lead that the services have been satisfactorily performed.

All envisaged travel costs must be included in the financial proposal (Annex 2, Breakdown of Cost, Section A, Duty Travel). This includes all travel-related expenses for the consultant's mission to Chisinau, Moldova. In general, UNDP does not accept travel costs exceeding those of an economy class ticket. The travel costs to Moldova shall be indicated separately in the offer and will be reimbursed only if the travel takes place. Please note that the mission will only proceed if confirmed to be safe for staff, the consultant, and stakeholders. The exact dates and duration of the mission shall be coordinated with UNDP. For the purpose of estimating service costs, the consultant is expected to undertake **one mission of three (3) working days to Chisinau, Moldova, with an additional one (1) day allocated for travel.**

#### V. CONFIDENTIALITY

Materials provided to the Consultant and all proceedings within the consultancy contract shall be

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regarded as confidential, both during and after the consultancy. Violation of confidentiality requirements may result in immediate termination of the contract.

### VI. QUALIFICATIONS AND SKILLS REQUIRED:

#### Academic Qualifications:

- An advanced degree (Master's or Ph.D.) in environment management, water management, hydrotechnical, hydrology, economics, law, policy development, or other relevant fields is required.

#### Experience:

- At least 5 years of experience in water resources management and/or water infrastructure;
- At least 3 years of experience working as a technical consultant in the field of water resources management, water engineering, water infrastructure, environment or other relevant fields;
- Experience working on projects funded by UNDP, UNEP, WB and/or EU or other international organisations is an advantage.

#### Competencies:

- Knowledge of water legislation (Water Law 272/2011);
- Knowledge of town planning and building legislation (Town Planning and Building Code 434/2023) with reference to water infrastructure;
- Knowledge of the procedure for drafting normative acts, as established by Law 100/2017 regarding normative acts and of the RIA development procedure, as established by the Governmental Decision 23/2019;
- Strong interpersonal and communication skills, ability to work with the private sector, demonstrated by previous assignments;
- Ability to work under pressure, and to meet tight deadlines demonstrated by previous assignments;
- Fluency in Romanian. Good working knowledge of English would be an asset.

The UNDP Moldova is committed to the workforce diversity. Women, persons with disabilities, Roma and other ethnic or religious minorities, persons living with HIV, as well as refugees and other non-citizens legally entitled to work in the Republic of Moldova, are particularly encouraged to apply.

**Please specify in CV, in case you belong to the group(s) under-represented in the UN Moldova and/or the area of assignment.**

### VII. DOCUMENTS TO BE INCLUDED WHEN SUBMITTING THE PROPOSALS

Interested individual consultants must submit the following documents/ information to demonstrate their qualifications:

- CV, including information about past experience in similar assignments and contact details for at least 3 referees;
- Brief description of why the individual considers him/herself as the most suitable for the assignment;
- Offeror's Letter confirming Interest and Availability with financial proposal (in USD, specifying the total lump sum amount). Financial proposal template prepared in compliance with the template in Annex 2.

**Important notice: The applicants who have the statute of Government Official / Public Servant prior to appointment will be asked to submit the following documentation:**

- a no-objection letter in respect of the applicant received from the Government, and;
- the applicant is certified in writing by the Government to be on official leave without pay for the entire duration of the Individual Contract.

### **VIII. EVALUATION**

Initially, individual consultants will be **short-listed** based on the following minimum qualification criteria:

- An advanced degree (Master's or Ph.D.) in environment management, water management, hydrotechnics, hydrology, economics, law, policy development, or other relevant fields is required
- At least 5 years of experience in water resources management and/or water infrastructure
- At least 3 years of experience working as a technical consultant in the field of water resources management, water engineering, water infrastructure, environment or other relevant fields

The award of the contract shall be made to the individual consultant if the technical and financial offers have been evaluated and determined as responsive, compliant, and acceptable.

The short-listed individual consultants will be further evaluated based on the following methodology:

#### **Cumulative analysis**

The award of the contract shall be made to the individual consultant whose offer has been evaluated and determined as:

- a) responsive/ compliant/ acceptable, and
- b) having received the highest score out of a pre-determined set of weighted technical and financial criteria specific to the solicitation.

\* Technical Criteria weight – 60% (300 pts);

\* Financial Criteria weight – 40% (200 pts).

Only candidates obtaining a minimum of 210 points would be considered for the Financial Evaluation.

<b>Criteria</b>	<b>Scoring</b>	<b>Maximum Points Obtainable</b>
An advanced degree (Master's or Ph.D.) in environment management, water management, hydrotechnical, hydrology, economics, law, policy development, or other relevant fields is required	<i>Master's degree – 10 pts, Ph.D.'s degree – 20 pts</i>	20
At least 5 years of experience in water resources management and/or water infrastructure	<i>5 years – 30 pts, each additional year of experience – 10 pts, up to a maximum of 60 pts</i>	60

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At least 3 years of experience working as a technical consultant in the field of water resources management, water engineering, water infrastructure, environment, or other relevant fields	<i>3 years – 20 pts, each additional year of experience – 10 pts, up to a maximum of 50 pts</i>	50
<b>Subtotal technical – 130 pts.</b>		
<p><b>Interview</b> (demonstrated technical knowledge and experience; communication/ interpersonal skills; initiative; creativity/ resourcefulness) (<i>common for all lots</i>).</p> <p><b>Only the first 5 applicants that have accumulated the highest technical score shall be invited to the interview.</b></p>		
Knowledge of water legislation (Water Law 272/2011)	<i>Limited – up to 20 pts, good – up to 40 pts, excellent – up to 50 pts</i>	165
Knowledge of urban planning and building legislation (Town Planning and Building Code 434/2023) with reference to water infrastructure	<i>Limited – up to 15 pts, good – up to 25 pts, excellent – up to 40 pts</i>	
Experience in drafting policy documents, methodologies, guiding documents, instructions etc. in the field of water resources management, water engineering, water infrastructure, environment, or other relevant fields	<i>2 policy documents – 20 points, each additional policy document – 5 points up to max. 30 pts</i>	
Strong interpersonal and communication skills, demonstrated by previous assignments	<i>Limited – up to 5 pts, good – up to 10 pts, excellent – up to 15 pts</i>	
Ability to work under pressure, and to meet tight deadlines demonstrated by previous assignments	<i>Limited – up to 5 pts, good – up to 10 pts, excellent – up to 15 pts</i>	
Fluency in Romanian. Good working knowledge of English would be an asset	<i>Each language 5 pts, up to 15 pts</i>	
Belonging to the group(s) under-represented in the UN Moldova and/or the area of assignment*	<i>No – 0 pts, to one group – 2.5 pts, to two or more groups – 5 pts</i>	5
<b>Subtotal interview – 170 pts.</b>		
<b>Maximum Total Technical Scoring</b>		<b>300</b>

\*Under-represented group in the area of assignment are persons with disabilities, LGBTI, ethnic and linguistic minorities, especially ethnic Gagauzians, Bulgarians, Roma, Jews, people of African descent, people living with HIV, religious minorities, especially Muslim women, refugees, and other non-citizens.

	<b>200</b>
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<p>Evaluation of submitted financial offers will be done based on the following formula:  <b><math>S = F_{min} / F * 200</math></b>  <b>S</b> – score received on financial evaluation  <b>F<sub>min</sub></b> – the lowest financial offer out of all the submitted offers qualified over the technical evaluation round  <b>F</b> – financial offer under consideration</p>	<b>200</b>
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### Winning candidate

The winning candidate will be the candidate who has accumulated the highest aggregated score (technical scoring + financial scoring)