

## REQUEST FOR QUOTATION NO. RfQ24/02963:

### RESEARCH MONITORING PROGRAMME FOR IDENTIFICATION OF WATER FRAMEWORK DIRECTIVE 'PRIORITY AND CERTAIN OTHER POLLUTANTS' IN THE MOLDOVAN DNIESTER RIVER BASIN DISTRICT

UNDP through the Programme "Supporting the Moldovan authorities in the sustainable management of the Dniester River" kindly requests your quotation for the Request for Quotation no. RfQ24/02963: **Research Monitoring Programme for identification of Water Framework Directive 'Priority and certain other pollutants' in the Moldovan Dniester River Basin District** as detailed in line items section of this RFQ.

This Request for Quotation comprises the following documents:

Section 1: This RFQ document generated by the online system

Section 2: RFQ Instructions and Data

Annex 1: Terms of Reference (both in Romanian and English languages)

Annex 2: Quotation Submission Form

Annex 3: Technical and Financial Offer

When preparing your quotation, please be guided by the RFQ Instructions and Data. Please note that quotations must be submitted directly in the system responding to the questions and uploading required documents by the date and time indicated in the online portal. It is your responsibility to ensure that your quotation is submitted before the deadline. Quotations received after the submission deadline outside the online portal, for whatever reason, will not be considered for evaluation.

Quotations must be submitted directly in Quantum Supplier Portal following the link: <http://supplier.quantum.partneragencies.org> using the profile you may have in the portal (please log in using your username and password).

Follow the instructions in the user guide to search for the tender using search filters, namely **UNDP-MDA-00628** and subscribe to the tender in order to get notifications in case of amendments of the tender document and requirements.

In case you have never registered before, follow this link to register a profile:

<https://estm.fa.em2.oraclecloud.com/fscmUI/faces/PrcPosRegisterSupplier?prcBuld=300000127714247>

Do not create a new profile if you already have one. Use the forgotten password feature in case you do not remember the password or the username from previous registration.

Should you require further clarifications on the application through the Quantum online portal, kindly contact the Procurement Unit at [sc.md@undp.org](mailto:sc.md@undp.org). Please pay attention that quotation shall be submitted online through the Quantum system and any quotation sent to the above email shall be disqualified.

Should you require further clarifications on the Request for Quotation, Terms of Reference or other requirements, kindly communicate using the messaging functionality in the portal.

Thank you and we look forward to receiving your quotation.

**SECTION 2: GENERAL INSTRUCTIONS**

<p><b>Introduction</b></p>	<p>Bidders shall adhere to all the requirements of this RFQ, including any amendments made in writing by UNDP. This RFQ is conducted in accordance with the <a href="#">UNDP Programme and Operations Policies and Procedures (POPP) on Contracts and Procurement</a></p> <p>Any Bid submitted will be regarded as an offer by the Bidder and does not constitute or imply the acceptance of the Bid by UNDP. UNDP is under no obligation to award a contract to any Bidder as a result of this RFQ.</p> <p>UNDP reserves the right to cancel the procurement process at any stage without any liability of any kind for UNDP, upon notice to the bidders or cancellation of the tender in the online portal.</p>
<p><b>Deadline for the Submission of Quotation</b></p>	<p>Deadline is indicated in the online portal.</p> <p>If any doubt exists as to the time zone in which the quotation should be submitted, refer to <a href="http://www.timeanddate.com/worldclock/">http://www.timeanddate.com/worldclock/</a>.</p>
<p><b>Method of Submission</b></p>	<p>Quotations must be submitted as follows:</p> <p>NextGenERP supplier portal following this link: <a href="http://supplier.nextgenerp.partneragencies.org/">http://supplier.nextgenerp.partneragencies.org/</a> using the profile you may have in the portal.</p> <p>Follow the instructions in the user guide to search for the tender using Negotiation ID. In case you have never registered before, follow this link to register a profile:</p> <p><a href="https://estm.fa.em2.oraclecloud.com/fscmUI/faces/PrcPosRegisterSupplier?prcBuld=300000127714247">https://estm.fa.em2.oraclecloud.com/fscmUI/faces/PrcPosRegisterSupplier?prcBuld=300000127714247</a></p> <p>Do not create a new profile if you already have one. Use the forgotten password feature in case you do not remember the password or the username from previous registration.</p> <ul style="list-style-type: none"> <li>▪ File Format: All attachments must be in PDF format unless otherwise instructed by UNDP.</li> <li>▪ File names must be in Latin alphabet/keyboard and clearly indicate the content of the document to facilitated review.</li> <li>▪ All files must be free of viruses and not corrupted.</li> </ul>
<p><b>Cost of preparation of quotation</b></p>	<p>UNDP shall not be responsible for any costs associated with a Supplier’s preparation and submission of a quotation, regardless of the outcome or the manner of conducting the selection process.</p>
<p><b>Supplier Code of Conduct, Fraud, Corruption,</b></p>	<p>All prospective suppliers must read the United Nations Supplier Code of Conduct and acknowledge that it provides the minimum standards expected of suppliers to the UN. The Code of Conduct, which includes <b>principles on labour, human rights, environment and ethical conduct</b> may be found at: <a href="https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct">https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct</a></p> <p>Moreover, UNDP strictly enforces a policy of zero tolerance on proscribed practices, including fraud, corruption, collusion, unethical or unprofessional practices, and obstruction of UNDP vendors and requires all bidders/vendors to observe the highest standard of ethics during the procurement process and contract implementation. UNDP’s Anti-Fraud Policy can be found at <a href="http://www.undp.org/content/undp/en/home/operations/accountability/audit/office_of_audit_and_investigation.html#anti">http://www.undp.org/content/undp/en/home/operations/accountability/audit/office_of_audit_and_investigation.html#anti</a></p>

<b>Gifts and Hospitality</b>	Bidders/vendors shall not offer gifts or hospitality of any kind to UNDP staff members including recreational trips to sporting or cultural events, theme parks or offers of holidays, transportation, or invitations to extravagant lunches, dinners or similar. In pursuance of this policy, UNDP: (a) Shall reject a bid if it determines that the selected bidder has engaged in any corrupt or fraudulent practices in competing for the contract in question; (b) Shall declare a vendor ineligible, either indefinitely or for a stated period, to be awarded a contract if at any time it determines that the vendor has engaged in any corrupt or fraudulent practices in competing for, or in executing a UNDP contract.
<b>Conflict of Interest</b>	<p>UNDP requires every prospective Supplier to avoid and prevent conflicts of interest, by disclosing to UNDP if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, specifications, cost estimates, and other information used in this RFQ. Bidders shall strictly avoid conflicts with other assignments or their own interests, and act without consideration for future work. Bidders found to have a conflict of interest shall be disqualified.</p> <p>Bidders must disclose in their Bid their knowledge of the following: a) If the owners, part-owners, officers, directors, controlling shareholders, of the bidding entity or key personnel who are family members of UNDP staff involved in the procurement functions and/or the Government of the country or any Implementing Partner receiving goods and/or services under this RFQ.</p> <p>The eligibility of Bidders that are wholly or partly owned by the Government shall be subject to UNDP's further evaluation and review of various factors such as being registered, operated and managed as an independent business entity, the extent of Government ownership/share, receipt of subsidies, mandate and access to information in relation to this RFQ, among others. Conditions that may lead to undue advantage against other Bidders may result in the eventual rejection of the Bid.</p>
<b>Currency of Quotation</b>	<p>Quotations shall be quoted in <b>US Dollars</b>.</p> <p>In case of contract award to a local company, payments will be made in Moldovan Leu based on UN Operational Rate of Exchange on the day of payment:</p> <p><a href="https://treasury.un.org/operationalrates/OperationalRates.php">https://treasury.un.org/operationalrates/OperationalRates.php</a></p> <p>UNDP shall not be kept liable for any fluctuations of the exchange market during contract implementation, the Contractor being legally responsible to register any loss/gain of currency exchange resulting from payments against the Contract in accordance with the national legislation.</p>
<b>Joint Venture, Consortium or Association</b>	<p>If the Bidder is a group of legal entities that will form or have formed a Joint Venture (JV), Consortium or Association for the Bid, they shall confirm in their Bid that : (i) they have designated one party to act as a lead entity, duly vested with authority to legally bind the members of the JV, Consortium or Association jointly and severally, which shall be evidenced by a duly notarized Agreement among the legal entities, and submitted with the Bid; and (ii) if they are awarded the contract, the contract shall be entered into, by and between UNDP and the designated lead entity, who shall be acting for and on behalf of all the member entities comprising the joint venture, Consortium or Association.</p> <p>Refer to Clauses 19 – 24 under <a href="#">Solicitation policy</a> for details on the applicable provisions on Joint Ventures, Consortium or Association.</p>

<b>Only one Bid</b>	<p>The Bidder (including the Lead Entity on behalf of the individual members of any Joint Venture, Consortium or Association) shall submit only one Bid, either in its own name or, if a joint venture, Consortium or Association, as the lead entity of such Joint Venture, Consortium or Association. Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the following:</p> <p>a) they have at least one controlling partner, director or shareholder in common; or b) any one of them receive or have received any direct or indirect subsidy from the other/s; or</p> <p>b) they have the same legal representative for purposes of this RFQ; or</p> <p>c) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about, or influence on the Bid of, another Bidder regarding this RFQ process;</p> <p>d) they are subcontractors to each other's Bid, or a subcontractor to one Bid also submits another Bid under its name as lead Bidder; or</p> <p>e) some key personnel proposed to be in the team of one Bidder participates in more than one Bid received for this RFQ process. This condition relating to the personnel, does not apply to subcontractors being included in more than one Bid.</p>
<b>Price variation</b>	<p>No price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted at any time during the validity of the quotation after the quotation has been received.</p>
<b>Alternative Quotes</b>	<p>If alternative quote is permitted, it may be submitted only if a conforming quote to the RFQ requirements is submitted. Where the conditions for its acceptance are met, or justifications are clearly established, UNDP reserves the right to award a contract based on an alternative quote. If multiple/alternative quotes are being submitted, they must be clearly marked as "Main Quote" and "Alternative Quote" directly in the portal and in any supporting document as relevant.</p>
<b>Contact Person for correspondence, notifications and clarifications</b>	<p>Must be submitted directly in the portal using the messaging functionality.</p> <p><b>Any delay in UNDP's response shall be not used as a reason for extending the deadline for submission, unless UNDP determines that such an extension is necessary and communicates a new deadline to the Proposers.</b></p>
<b>Right not to accept any quotation</b>	<p>UNDP is not bound to accept any quotation, nor award a contract or Purchase Order</p>
<b>Right to vary requirement at time of award</b>	<p>At the time of award of Contract or Purchase Order, UNDP reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum twenty-five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.</p>
<b>Publication of Contract Award</b>	<p>UNDP will publish the contract awards on the websites of the CO and the corporate UNDP Web site.</p>
<b>Policies and procedures</b>	<p>This RFQ is conducted in accordance with <a href="#">UNDP Programme and Operations Policies and Procedures</a></p>
<b>UNGM registration</b>	<p>Any Contract resulting from this RFQ exercise will be subject to the supplier being registered at the appropriate level on the United Nations Global Marketplace (UNGM) website at <a href="http://www.ungm.org">www.ungm.org</a>. The Bidder may still submit a quotation even if not registered with the UNGM, however, if the Bidder is selected for Contract award, the Bidder must register on the UNGM prior to contract signature.</p>

**SECTION 2: SPECIAL INSTRUCTIONS**

<b>General Conditions of Contract</b>	Any Purchase Order or contract that will be issued as a result of this RFQ shall be subject to one of the General Conditions of Contract below as applicable in each case specified in the Requirements section Applicable GTC: <input checked="" type="checkbox"/> <a href="#">General Terms and Conditions</a> Applicable Terms and Conditions and other provisions are available at <a href="#">UNDP/How-we-buy</a>
<b>Special Conditions of Contract</b>	<input checked="" type="checkbox"/> Cancellation of PO/Contract if the delivery/completion is delayed by 30 days <input checked="" type="checkbox"/> Liquidates damages shall be imposed as follows: Percentage of contract price per day of delay: 0.33% up to a maximum of 30 days, after which UNDP may terminate the contract.
<b>Duties and taxes</b>	Article II, Section 7, of the Convention on the Privileges and Immunities provides, inter alia, that the United Nations, including UNDP as a subsidiary organ of the General Assembly of the United Nations, is exempt from all direct taxes, except charges for public utility services, and is exempt from customs restrictions, duties, and charges of a similar nature in respect of articles imported or exported for its official use. All quotations shall be submitted net of any direct taxes and any other taxes and duties, unless otherwise specified in the requirements section. All prices must: <input checked="" type="checkbox"/> <b>be exclusive of VAT and other applicable indirect taxes</b>
<b>Currency of Quotation</b>	<b>USD (US dollar)</b>
<b>Eligibility</b>	A vendor who will be engaged by UNDP may not be suspended, debarred, or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization. Vendors are therefore required to disclose to UNDP whether they are subject to any sanction or temporary suspension imposed by these organizations. Failure to do so may result in termination of any contract or PO subsequently issued to the vendor by UNDP.  It is the Bidder's responsibility to ensure that its ultimate beneficial owners, employees, joint venture members, sub-contractors, service providers, suppliers and/or their employees meet the eligibility requirements as established by UNDP.  Bidders must have the legal capacity to enter a binding contract with UNDP and to deliver in the country, or through an authorized representative.
<b>Language of quotation</b>	English / Romanian Including documentation including catalogues; instructions and operating manuals (in both languages).
<b>Quotation validity period</b>	Quotations shall remain valid for <b>90 days</b> from the deadline for the Submission of Quotation.
<b>Partial Quotes</b>	<input checked="" type="checkbox"/> Not permitted
<b>Alternative Quotes</b>	<input checked="" type="checkbox"/> Not permitted
<b>Payment Terms</b>	<input checked="" type="checkbox"/> 100% within 30 calendar days after receipt of services/goods and submission of payment documentation.
<b>Conditions for Release of Payment</b>	<input checked="" type="checkbox"/> Written Acceptance of Goods, Services and Works, based on full compliance with RFQ requirements

<b>Clarifications</b>	<p>Bidders must send their inquiries and requests for clarifications using the messaging functionality in the portal.</p> <p><b>PLEASE PAY ATTENTION: QUOTES SHALL NOT BE SUBMITTED TO ANY EMAIL ADDRESS BUT ONLY THROUGH THE PORTAL.</b></p> <p>Requests for clarification from bidders will not be accepted any later than <b>3 days</b> before the submission deadline. Responses to request for clarification <b>will be communicated directly in the portal.</b></p>
<b>Documents to be submitted</b>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Annex 2: Quotation Submission Form duly completed and signed</li> <li><input checked="" type="checkbox"/> Annex 3: Technical and Financial Offer duly completed and signed and in accordance with the Terms of References in Annex 1, detailing the experience of the company, proposed methodology, approach and implementation timeline to complete the assignment, and key personnel proposed</li> <li><input checked="" type="checkbox"/> Company Profile, including detailed portfolio/previous corporate experience in similar fields related to the assignment</li> <li><input checked="" type="checkbox"/> Registration certificate</li> <li><input checked="" type="checkbox"/> List and value of at least 2(two) relevant projects (laboratory analysis of WFD ‘Priority substances and certain other pollutants’; implementation of international water sampling campaigns with laboratory analysis of heavy metals and organic micropollutants) performed for the last 5 (five) years including the following information: <ul style="list-style-type: none"> <li>• Name of previous contracts</li> <li>• Client &amp; Reference Contact</li> <li>• Details including e-mail</li> <li>• Contract Value Period of activity</li> <li>• Types of activities undertaken</li> <li>• Final beneficiaries (public or private institutions)</li> </ul> </li> </ul> <p>Copies of provided relevant projects/contract might be requested.</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Chart for provision of services (Implementation Plan), for example GANTT</li> <li><input checked="" type="checkbox"/> Statement that the laboratory is EN ISO/IEC-17025 standard: Testing and calibration laboratories accredited</li> <li><input checked="" type="checkbox"/> Statement of satisfactory Performance (Certificates) from the top 3 (three) clients in terms of Contract value in similar field</li> <li><input checked="" type="checkbox"/> Completed and signed CVs for the proposed Key Personnel, including certificates and qualification documents.</li> <li><input checked="" type="checkbox"/> Financial Statements (Income Statements and Balance Sheets) for the past 3 (three) years (2021, 2022, 2023)</li> </ul>
<b>Evaluation method</b>	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> The Contract or Purchase Order will be awarded to the lowest price substantially compliant offer</li> </ul>
<b>Evaluation criteria</b>	<ul style="list-style-type: none"> <li>• <input checked="" type="checkbox"/> Full compliance with all requirements as specified in Annex 1</li> <li>• <input checked="" type="checkbox"/> Full acceptance of the General Conditions of Contract</li> <li>• <input checked="" type="checkbox"/> Be a legally registered entity or a consortium of firms/organizations</li> <li>• <input checked="" type="checkbox"/> At least 5 (five) years of experience in laboratory analysis of WFD ‘Priority substances and certain other pollutants’</li> <li>• <input checked="" type="checkbox"/> Participation in at least 2 (two) projects with international water sampling campaigns with laboratory analysis of (WFD compliant) heavy metals and organic micropollutants</li> <li>• <input checked="" type="checkbox"/> The laboratory is EN ISO/IEC-17025 standard: Testing and calibration laboratories accredited</li> </ul> <p><input checked="" type="checkbox"/> Proposed key personnel with the required academic and professional qualifications, proven by CVs and valid certificates submitted:</p> <ol style="list-style-type: none"> <li>1. <u>Team leader</u> <ul style="list-style-type: none"> <li>• University studies in the field of chemistry, environmental studies or related.</li> </ul> </li> </ol>

	<ul style="list-style-type: none"> <li>• Experience in coordinating teams of experts in at least 3 (three) similar contracts.</li> <li>• Proven experience with participation in international water sampling campaigns;</li> <li>• Experience in laboratory analysis of Water Framework Directive 'Priority substances and certain other pollutants' for at least 5 (five) years)</li> <li>• Knowledge of English language.</li> </ul> <p>2. <u>Surface water sampling expert</u></p> <ul style="list-style-type: none"> <li>• University studies in the field of chemistry, environmental studies or related</li> <li>• Proven experience in the field of surface water sampling of at least 3 (three) years</li> </ul> <p>3. <u>Laboratory analysis of WFD Priority substances and certain other pollutants, Expert No. 1</u></p> <ul style="list-style-type: none"> <li>• University studies in the field of chemistry, environmental studies or related;</li> <li>• Proven experience in laboratory analysis of WFD Priority substances of at least 3 (three) years.</li> </ul> <p>4. <u>Laboratory analysis of WFD Priority substances and certain other pollutants, Expert No. 2</u></p> <ul style="list-style-type: none"> <li>• University studies in the field of chemistry, environmental studies or related;</li> <li>• Proven experience in laboratory analysis of WFD Priority substances of at least 3 (three) years.</li> </ul>
<b>Type of Contract to be awarded</b>	<input checked="" type="checkbox"/> <a href="#">Contract Face Sheet</a> (Goods and-or Services)
<b>Expected date for contract award</b>	<a href="#">01 March 2025</a>

## ANNEX 1: TERMS OF REFERENCE

### 1. SCOPE AND OBJECTIVES OF REQUIRED SERVICES

As candidate EU Member State, the Republic of Moldova will have to comply with the *aquis communautaire*. As part of the environmental *aquis* (Chapter 27: Environment), the Water Framework Directive (WFD <sup>1</sup>) is a dominant component for the management of the quality of groundwater and surface water.

The main objectives of the WFD are:

- To prevent deterioration of the status of all bodies of water.
- To achieve good status of all bodies of water.

The status of surface waterbodies is determined by both their chemical as well as ecological status.

The chemical status of surface water bodies is defined by the environmental quality standards (EQS) of the 'Priority substances and certain other pollutants' (hereinafter also referred to as Priority substances) stipulated in the EU Directive 2013/39/EU <sup>2</sup>.

The routine surface water quality monitoring in the Dniester River Basin District is implemented by the Environmental Reference Laboratory of the Environment Agency; more specifically, its Water Quality Laboratory.

The Water Quality Laboratory analyses a limited number of Priority substances:

- The four heavy metals (cadmium, lead, mercury, nickel)
- The eight polycyclic aromatic hydrocarbons (anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, fluoranthene, indeno(1,2,3-cd)pyrene, naphthalene)
- Several organochlorinated pesticides: cyclodiene pesticides (aldrin, dieldrin, endrin); endosulfan ( $\alpha$ ,  $\beta$ ); hexachlorohexanes ( $\alpha$ ,  $\beta$ ,  $\gamma$ ); heptachlor epoxide (A, B); para-para- DDT; DDD, DDE, DDT (o,p', p,p' isomers).

The abovementioned substances are mainly analysed in water samples taken from the Dniester River near the upstream border with Ukraine (Naslavcea, Otaci), and near the downstream border with Ukraine at Palanca. For the tributaries only scant data are available for the heavy metals.

The overall objective of the Research Monitoring Programme for identification of Water Framework Directive 'Priority and certain other pollutants' in the Moldovan Dniester River Basin District is:

- Improved knowledge about the presence/absence of WFD Priority substances inside the Dniester River Basin District.

The specific objective is:

- Concentrations of WFD 'Priority substances and certain other pollutants' determined by laboratory analysis of water samples taken at expectedly 'more polluted' sites.

The results will be relevant for orientation on how the Water Quality Laboratory of the Environment Agency can proceed with enhancing its capacity for analysis of WFD 'Priority substances and certain other pollutants'.

### 2. DUTIES AND RESPONSIBILITIES

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<sup>1</sup> DIRECTIVE 2000/60/EC *establishing a framework for Community action in the field of water policy*

<sup>2</sup> DIRECTIVE 2013/39/EU *amending Directives 2000/60/EC and 2008/105/EC as regards priority substances in the field of water policy*



In order to achieve the stated objective of the requested services, the contracted company must fulfil the tasks and responsibilities described below.

### 2.1 Task 1: Laboratory analysis of the WFD 'Priority substances and certain other pollutants' and CaCO<sub>3</sub>

The following substances and parameters are to be determined in the water samples.

- Laboratory analysis of the 'Priority substances and certain other pollutants' enumerated in Table 1 below. Bidders are referred to Annex II of the Directive 2013/39/EU for further details.
  - The dissolved concentrations of the metals cadmium, lead, mercury and nickel, obtained by filtration through a 0.45 µm filter or equivalent pre-treatment.
  - The total concentrations of the other substances.
- Laboratory analysis of hardness as CaCO<sub>3</sub> [mg/l].
- *In-situ* measurements of water temperature, electric conductivity, pH, dissolved oxygen, and oxygen saturation.

Table 1: 'Priority substances and certain other pollutants' for laboratory analysis <sup>3</sup>

(1)	(2)	(3)
No	Name of substance	CAS number
(1)	Alachlor	15972-60-8
(2)	Anthracene	120-12-7
(3)	Atrazine	1912-24-9
(4)	Benzene	71-43-2
(5)	Brominated diphenylethers	32534-81-9
(6)	Cadmium and its compounds	7440-43-9
(6a)	Carbontetrachloride	56-23-5
(7)	C10-13 Chloroalkanes	85535-84-8
(8)	Chlorfenvinphos	470-90-6
(9)	Chlorpyrifos (Chlorpyrifos- ethyl)	2921-88-2
(9a)	Cyclodiene pesticides: Aldrin Dieldrin Endrin Isodrin	309-00-2 60-57-1 72-20-8 465-73-6
(9b)	DDT total	<i>see note 2 further below</i>
	para-para-DDT	50-29-3
(10)	1,2-Dichloroethane	107-06-2
(11)	Dichloromethane	75-09-2
(12)	Di(2- ethylhexyl)- phthalate (DEHP)	117-81-7
(13)	Diuron	330-54-1
(14)	Endosulfan	115-29-7
(15)	Fluoranthene	206-44-0

<sup>3</sup> Because of the lack of environmental quality standards in water for (37) Dioxins and dioxin-like compounds, this group has been omitted for laboratory analysis.

<b>(1)</b>	<b>(2)</b>	<b>(3)</b>
<b>No</b>	<b>Name of substance</b>	<b>CAS number</b>
(16)	Hexachlorobenzene	118-74-1
(17)	Hexachlorobutadiene	87-68-3
(18)	Hexachlorocyclohexane	608-73-1
(19)	Isoproturon	34123-59-6
(20)	Lead and its compounds	7439-92-1
(21)	Mercury and its compounds	7439-97-6
(22)	Naphthalene	91-20-3
(23)	Nickel and its compounds	7440-02-0
(24)	Nonylphenols (4-Nonylphenol)	84852-15-3
(25)	Octylphenols ((4-(1,1',3,3'- tetramethylbutyl)-phenol))	140-66-9
(26)	Pentachlorobenzene	608-93-5
(27)	Pentachlorophenol	87-86-5
(28)	Polyaromatic hydrocarbons (PAH)	not applicable
	Benzo(a)pyrene	50-32-8
	Benzo(b)fluoranthene	205-99-2
	Benzo(k)fluoranthene	207-08-9
	Benzo(g,h,i)perylene	191-24-2
	Indeno(1,2,3- cd)pyrene	193-39-5
(29)	Simazine	122-34-9
(29a)	Tetrachloroethylene	127-18-4
(29b)	Trichloroethylene	79-01-6
(30)	Tributyltin compounds (Tributyltin- cation)	36643-28-4
(31)	Trichlorobenzenes	12002-48-1
(32)	Trichloromethane	67-66-3
(33)	Trifluralin	1582-09-8
(34)	Dicofol	115-32-2
(35)	Perfluorooctane sulfonic acid and its derivatives (PFOS)	1763-23-1
(36)	Quinoxifen	124495-18-7
(38)	Aclonifen	74070-46-5
(39)	Bifenox	42576-02-3
(40)	Cybutryne	28159-98-0
(41)	Cypermethrin	52315-07-8
(42)	Dichlorvos	62-73-7
(43)	Hexabromocyclododecane (HBCDD)	See footnote 12 in Annex X to Directive 2000/60/EC
(44)	Heptachlor and heptachlor epoxide	76-44-8/1024-57-3

(1)	(2)	(3)
No	Name of substance	CAS number
(45)	Terbutryn	886-50-0

#### Notes

1 CAS: Chemical Abstracts Service

2 DDT total comprises the sum of the isomers 1,1,1-trichloro-2,2 bis (p-chlorophenyl) ethane (CAS number 50-29-3; EU number 200-024-3); 1,1,1-trichloro-2 (o-chlorophenyl)-2-(p-chlorophenyl) ethane (CAS number 789-02-6; EU Number 212-332-5); 1,1-dichloro-2,2 bis (p-chlorophenyl) ethylene (CAS number 72-55-9; EU Number 200-784-6); and 1,1-dichloro-2,2 bis (p-chlorophenyl) ethane (CAS number 72-54-8; EU Number 200-783-0)

Bidders are expected to include at least the following details in the Technical Proposal. The tables below are merely provided as examples. Bidders may opt for alternative layouts and file formats (e.g. MS Excel), and add columns with additional information when deemed necessary.

#### Main table - overview

Substance	CAS number	Equipment (technique)	Method of analysis	LOD [ $\mu\text{g/l}$ ]	LOQ [ $\mu\text{g/l}$ ]	CRM yes / no	Accreditation yes / no
Cadmium	7440-43-9	AAS-GF	SM SR EN ISO 15586:2011			yes	yes
<i>et cetera</i>							

The *proven* limit of detection (LOD) and limit of quantification (LOQ) are to be inserted in the Main table, in combination with supporting documentation.

#### Equipment used for analysis – details

Equipment (as indicated in column 'Equipment' in the main table)	Brand, model	In operation since [year]	Additional information, e.g. detectors used with HPLC or GC/MS
AAS-GF	Analytik Jena Zeenit 700p	2021	
<i>et cetera</i>			

#### Method of analysis – details

Method (acronym indicated in the column 'Method of analysis' in the main table)	Full title of the method
SM SR EN ISO 15586:2011	Water quality — Determination of trace elements using atomic absorption spectrometry with graphite furnace
<i>et cetera</i>	

#### CRM, certified reference material - details (if "yes" in Main table)

Substance	CRM-identifier	Producer	Certified value [ $\mu\text{g/l}$ ]	Reference

Cadmium	LGC-6019	LGC-Promochem	0.11	<a href="http://www.comar.bam.de/">http://www.comar.bam.de/</a>
<i>et cetera</i>				

**Accreditation - details** (if “yes” in Main table)

Substance	Organization	Reference	Periodx [year – year]	Documentation
Cadmium	MOLDAC	<a href="https://acreditare.md/">https://acreditare.md/</a>	2022 – 2026	Name of file with (scans of) related documents
<i>et cetera</i>				

Furthermore, bidders are to provide with details about the quality assurance, quality control procedures to be used in combination with the analysis of the water samples, inter alia:

- A description of the overall QA, QC procedures.
- Results of recent internal validation of the analysis of ‘Priority substances and certain other pollutants’ obtained.
- Results of recent proficiency testing of ‘Priority substances and certain other pollutants.’

**2.2 Task 2: Taking water samples at selected sites during 3 (three) sampling rounds in 2025**

The 9 (nine) selected water sampling sites as listed in Table 2.

*Table 2. Sites selected for the Research Monitoring Programme*

River	Location	Latitude	Longitude
Dniester	Otaci	48°26'36.79"	27°47'22.95"
Dniester	Nimereuca	48° 6'22.32"	28°34'13.42"
Dniester	Palanca	46°24'38.71"	30° 7'58.27"
Bîc	Strășeni, downstream	47° 8'11.70"	28°39'49.13"
Bîc	Gura Bîcului	46°54'47.15"	29°27'28.46"
Botna	Merenești	46°46'24.88"	29°34'0.41"
Ichel	Goian	47° 7'54.57"	28°54'43.57"
Răut	Bălți, downstream	47°45'32.26"	27°57'42.56"
Răut	Ustia	47°15'8.01"	29° 8'7.89"

Samples are to be taken according to the following *tentative* schedule; precise dates will be agreed in consultation between the contractor and UNDP.

- Mid April 2025.
- Mid July 2025.
- Mid October 2025.

Bidders are expected to provide with the following details in the Technical Proposal.

- Sampling method

- Equipment and procedures used for taking water samples.
- Sample bottles: material, volume, number of bottles per site (itemised for groups of 'Priority substances and certain other pollutants').
- Pretreatment of the samples for analysis of the metals (filtration through a 0.45 µm filter or any equivalent pre-treatment).
- Preservation of samples
  - Reagents or other measures for preservation of the samples.
  - Storage of the samples during the sampling campaign, including return transport.

Besides taking the water samples, the contractor will record relevant details during the site sampling, including pictures.

- Bidders are expected to include a template for the sampling form in the technical proposal.

### 3. DELIVERABLES AND TIMEFRAME

No.	Deliverables:	Timeframe
1	Work plan for implementation of the Research Monitoring Programme.	By 14 March 2025
2	Interim report with description of sampling site details and the results of laboratory analysis after the first round of sampling to be conducted in April 2025.	By 20 May 2025
3	Interim report with description of sampling site details and the results of laboratory analysis after the second round of sampling to be conducted in July 2025.	By 20 August 2025
4	Interim report with description of sampling site details and the results of laboratory analysis after the third round of sampling to be conducted in October 2025.	By 20 November 2025
5	Final report, addressing an overview of the sampling methods, sampling sites (with essential features and examples of pictures), details about the laboratory analysis (equipment, methods, quality assurance/quality control, et cetera), overview of the results of analysis, interpretation of these results, conclusions and recommendations (including follow-up).	By 8 December 2025

#### *a. Institutional arrangements*

The contractor will work under the overall coordination and supervision of the UNDP Project Manager of the "Supporting the Moldovan authorities in the sustainable management of the Dniester River" Project for the administrative aspects of the mission. Related to the technical aspects, the contractor will work with the Surface Water Quality International Consultant.

#### *b. Working language*

Deliverables will be prepared in English.

## **4. REQUIREMENTS**

### **4.1 Requirement for Bidders:**

- Be a legally registered entity or a consortium of firms/organizations.
- Proof that the laboratory is EN ISO/IEC-17025 standard: Testing and calibration laboratories accredited
- The Bidder must have at least 5 (five) years of experience in laboratory analysis of WFD 'Priority substances and certain other pollutants.
- The Bidder must have participated in at least 2 (two) international water sampling campaigns with laboratory analysis of heavy metals and organic micropollutants, notably encompassing the WFD 'Priority substances and certain other pollutants.
- The proposed team will cover the entire spectrum of water sampling and laboratory analysis, and other expertise in all areas of consultancy necessary for the successful completion of the entire workload and the presentation of the results mentioned above.
- Previous experience with a donor organization, development partners, UN agencies will be considered an advantage.

### **4.2 Requirements for the team of experts within the company:**

The Consultant's team will consist of a Team Leader and at least 3 (three) experts who will meet the following requirements:

#### **The team of experts:**

- 1 Team leader
  - University studies in the field of chemistry, environmental studies or related.
  - Experience in coordinating teams of experts in at least 3 (three) similar contracts.
  - Proven experience with participation in international water sampling campaigns;
  - Experience in laboratory analysis of Water Framework Directive 'Priority substances and certain other pollutants' for at least 5 (five) years)
  - Knowledge of English language.
- 2 Surface water sampling expert
  - University studies in the field of chemistry, environmental studies or related
  - Proven experience in the field of surface water sampling of at least 3 (three) years
- 3 Laboratory analysis of WFD Priority substances and certain other pollutants, Expert No. 1
  - University studies in the field of chemistry, environmental studies or related;
  - Proven experience in laboratory analysis of WFD Priority substances of at least 3 (three) years.
- 4 Laboratory analysis of WFD Priority substances and certain other pollutants, Expert No. 2
  - University studies in the field of chemistry, environmental studies or related;
  - Proven experience in laboratory analysis of WFD Priority substances of at least 3 (three) years.

## ANNEX 2: QUOTATION SUBMISSION FORM

Bidders are requested to complete this form, including the Company Profile and Bidder's Declaration, sign it and return it as part of their quotation along with Annex 3: Technical and Financial Offer. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

Name of Bidder:	Click or tap here to enter text.	
RFQ reference:	<b>RfQ24/02963: Research Monitoring Programme for identification of Water Framework Directive 'Priority and certain other pollutants' in the Moldovan Dniester River Basin District</b>	Date: Click or tap to enter a date.

### Company Profile

Item Description	Detail
Legal name of bidder or Lead entity for JVs	Click or tap here to enter text.
Legal Address, City, Country	Click or tap here to enter text.
Website	Click or tap here to enter text.
Year of Registration	Click or tap here to enter text.
Legal structure	Choose an item.
Are you a UNGM registered vendor?	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, insert UNGM Vendor Number
Quality Assurance Certification (e.g. ISO 9000 or Equivalent) (If yes, provide a Copy of the valid Certificate):	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does your Company hold any accreditation such as ISO 14001 or ISO 14064 or equivalent related to the environment? (If yes, provide a Copy of the valid Certificate):	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does your Company have a written Statement of its Environmental Policy? (If yes, provide a Copy)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does your organization demonstrate significant commitment to sustainability	<input type="checkbox"/> Yes <input type="checkbox"/> No

through some other means, for example internal company policy documents on women empowerment, renewable energies or membership of trade institutions promoting such issues <i>(If yes, provide a Copy)</i>				
Is your company a member of the UN Global Compact	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Bank Information	Bank Name: Click or tap here to enter text. Bank Address: Click or tap here to enter text. IBAN: Click or tap here to enter text. SWIFT/BIC: Click or tap here to enter text. Account Currency: Click or tap here to enter text. Bank Account Number: Click or tap here to enter text.			
<b>Previous relevant experience:</b> <b>Participation in at least 2 (two) projects with international water sampling campaigns with laboratory analysis of (WFD compliant) heavy metals and organic micropollutants</b> <i>(copies of provided contracts as previous experience may be requested)</i>				
Name of previous contracts	Client & Reference Contact Details including e-mail	Contract Value	Period of activity	Types of activities undertaken

### Bidder's Declaration

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	<b>Requirements and Terms and Conditions:</b> I/We have read and fully understand the RFQ, including the RFQ Information and Data, Schedule of Requirements, the General Conditions of Contract, and any Special Conditions of Contract. I/we confirm that the Bidder agrees to be bound by them.
<input type="checkbox"/>	<input type="checkbox"/>	I/We confirm that the Bidder has the necessary capacity, capability, and necessary licenses to fully meet or exceed the Requirements and will be available to deliver throughout the relevant Contract period.
<input type="checkbox"/>	<input type="checkbox"/>	<b>Ethics:</b> In submitting this Quote I/we warrant that the bidder: has not entered into any improper, illegal, collusive or anti-competitive arrangements with any Competitor; has not directly or indirectly approached any representative of the Buyer (other than the Point of Contact) to lobby or solicit information in relation to the RFQ ;has not attempted to influence, or provide any form of personal inducement, reward or benefit to any representative of the Buyer.
<input type="checkbox"/>	<input type="checkbox"/>	I/We confirm to undertake not to engage in proscribed practices, , or any other unethical practice, with the UN or any other party, and to conduct business in a manner that averts any financial, operational, reputational or other undue risk to the UN and we have read the United Nations Supplier Code of Conduct : <a href="https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct">https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct</a> and acknowledge that it provides the minimum standards expected of suppliers to the UN.



Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	<b>Conflict of interest:</b> I/We warrant that the bidder has no actual, potential, or perceived Conflict of Interest in submitting this Quote or entering a Contract to deliver the Requirements. Where a Conflict of Interest arises during the RFQ process the bidder will report it immediately to the Procuring Organisation's Point of Contact.
<input type="checkbox"/>	<input type="checkbox"/>	<b>Prohibitions, Sanctions:</b> I/We hereby declare that our firm, ultimate beneficial owners, its affiliates or subsidiaries or employees, including any JV/Consortium members or subcontractors or suppliers for any part of the contract is not under procurement prohibition by the United Nations, including but not limited to prohibitions derived from the Compendium of United Nations Security Council Sanctions Lists and have not been suspended, debarred, sanctioned or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization.
<input type="checkbox"/>	<input type="checkbox"/>	<b>Bankruptcy:</b> I/We have not declared bankruptcy, are not involved in bankruptcy or receivership proceedings, and there is no judgment or pending legal action against them that could impair their operations in the foreseeable future.
<input type="checkbox"/>	<input type="checkbox"/>	<b>Offer Validity Period:</b> I/We confirm that this Quote, including the price, remains open for acceptance for the Offer Validity.
<input type="checkbox"/>	<input type="checkbox"/>	I/We understand and recognize that you are not bound to accept any Quotation you receive, and we certify that the goods offered in our Quotation are new and unused.
<input type="checkbox"/>	<input type="checkbox"/>	By signing this declaration, the signatory below represents, warrants and agrees that he/she has been authorised by the Organization/s to make this declaration on its/their behalf.

Signature: \_\_\_\_\_

Name: Click or tap here to enter text.

Title: Click or tap here to enter text.

Date: Click or tap to enter a date.

**ANNEX 3: TECHNICAL AND FINANCIAL OFFER – SERVICES**

Bidders are requested to complete this form, sign it and return it as part of their bid along with Annex 2: Quotation Submission Form. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

Name of Bidder:	Click or tap here to enter text.	
RFQ reference:	<b>RfQ24/02963: Research Monitoring Programme for identification of Water Framework Directive ‘Priority and certain other pollutants’ in the Moldovan Dniester River Basin District</b>	Date: Click or tap to enter a date.

**Technical Offer**

Provide the following:

- a brief description of qualification, capacity and expertise that is relevant to the Terms of Reference;
- a brief methodology, approach and implementation plan;
- list of proposed Key Personnel and their CVs s;

**Financial Offer**

Provide a lump sum for the provision of the services stated in the Terms of Reference for your technical offer. The lump sum should include all costs of preparing and delivering the Services. All daily rates shall be based on an eight-hour working day.

Currency of the Quotation: <b>US Dollars (USD)</b>		
Ref	Description of Deliverables	Price, VAT 0%
1.	Work plan for implementation of the Research Monitoring Programme.	
2.	Interim report with description of sampling site details and the results of laboratory analysis after the first round of sampling to be conducted in April 2025.	
3.	Interim report with description of sampling site details and the results of laboratory analysis after the second round of sampling to be conducted in July 2025.	
4.	Interim report with description of sampling site details and the results of laboratory analysis after the third round of sampling to be conducted in October 2025.	
5.	Final report, addressing an overview of the sampling methods, sampling sites (with essential features and examples of pictures), details about the laboratory analysis (equipment, methods, quality assurance/quality control, et cetera), overview of the results of analysis, interpretation of these results, conclusions and recommendations (including follow-up).	
<b>Total Price</b>		

**Breakdown of Fees**

Personnel / other elements	UOM	Qty	Unit Price	Total Price
			US Dollars (USD)	US Dollars (USD)
<b>I. Personnel</b>				
Team leader/Project manager*	day			
Surface Water sampling expert	day			
Laboratory analysis of WFD Priority substances and certain other pollutants, Expert No. 1	day			
Laboratory analysis of WFD Priority substances and certain other pollutants, Expert No. 2	day			
Other Experts, if necessary: (please specify)				
<b>II. Other Costs (as applicable)</b>				
International Transportation, per diems, et cetera				
Other Costs: (please specify)				
<b>Total</b>				

**Compliance with Requirements**

Requirements	You Responses		
	Yes, we will comply	No, we cannot comply	If you cannot comply, pls. indicate counter - offer
Validity of Quotation – 90 days	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
Payment terms	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
Full acceptance of the General Conditions of Contract	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.

I, the undersigned, certify that I am duly authorized to sign this quotation and bind the company below in event that the quotation is accepted.	
<p><i>Exact name and address of company</i></p> <p>Company Name: Click or tap here to enter text.</p> <p>Address: Click or tap here to enter text.</p> <p>Phone No.: Click or tap here to enter text.</p> <p>Email Address: Click or tap here to enter text.</p>	<p>Authorized Signature: _____</p> <p>_____</p> <p>Date: Click or tap here to enter text.</p> <p>Name: Click or tap here to enter text.</p> <p>Functional Title of Authorised Signatory: Click or tap here to enter text.</p> <p>Email Address: Click or tap here to enter text.</p>

