



UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION

TERMS OF REFERENCE FOR PERSONNEL UNDER INDIVIDUAL SERVICE AGREEMENT (ISA)

Title:	National Water Management Expert
Main Duty Station and Location:	Tashkent/Samarkand, Uzbekistan
Mission/s to:	To be covered separately
Start of Contract (EOD):	ASAP
End of Contract (COB):	
Type of contract:	40 w/d (WAE)

ORGANIZATIONAL CONTEXT

The United Nations Industrial Development Organization (UNIDO) is the specialized agency of the United Nations that promotes industrial development for poverty reduction, inclusive globalization and environmental sustainability. The mission of UNIDO, as described in the Lima Declaration adopted at the fifteenth session of the UNIDO General Conference in 2013 as well as the Abu Dhabi Declaration adopted at the eighteenth session of UNIDO General Conference in 2019, is to promote and accelerate inclusive and sustainable industrial development (ISID) in Member States. The relevance of ISID as an integrated approach to all three pillars of sustainable development is recognized by the 2030 Agenda for Sustainable Development and the related Sustainable Development Goals (SDGs), which will frame United Nations and country efforts towards sustainable development. UNIDO's mandate is fully recognized in SDG-9, which calls to "Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation". The relevance of ISID, however, applies in greater or lesser extent to all SDGs. Accordingly, the Organization's programmatic focus is structured in four strategic priorities: Creating shared prosperity; Advancing economic competitiveness; Safeguarding the environment; and Strengthening knowledge and institutions.

Each of these programmatic fields of activity contains a number of individual programmes, which are implemented in a holistic manner to achieve effective outcomes and impacts through UNIDO's four enabling functions: (i) technical cooperation; (ii) analytical and research functions and policy advisory services; (iii) normative functions and standards and quality-related activities; and (iv) convening and partnerships for knowledge transfer, networking and industrial cooperation. Such core functions are carried out in Departments/Offices in its Headquarters, Regional Offices and Hubs and Country Offices.

The Directorate of Technical Cooperation and Sustainable Industrial Development (TCS), headed by a Managing Director, oversees the Organization's development of capacities for industrial development as well as industrial policy advice, statistics and research activities and the Organization's normative contribution to Member States and global development community in achieving the SDGs. The Directorate also ensures the application of strategies and interventions for sustainable industrial development related to Environment, Energy, SMEs, Competitiveness and Job creation, as well as Digitalization and Artificial Intelligence. Through coordination in-

house and with Member States and industry stakeholders, it ensures that the services provided in these areas contribute toward effective and appropriate technical, business and policy solutions and are focused on results and on realizing any potential for scaling up and positioning UNIDO as a leading platform for industrial development in developing countries and global fora. The Directorate houses the technical Divisions of Capacity Development, Industrial Policy Advice and Statistics (TCS/CPS); Circular Economy and Chemicals Management (TCS/CCM); Decarbonization and Sustainable Energy (TCS/DSE); SMEs, Competitiveness and Job Creation (TCS/SME); and Digital Transformation and AI Strategies (TCS/DAS).

The Division of Circular Economy and Chemicals Management (TCS/CCM) contributes to greener and more circular industries and products by minimizing both resource use along value chains and the emission of pollutants to the environment.

The Division promotes just transitions to circular economies, reduced release of pollutants into the environment and other green industrial and economic approaches to help Member States to grow economically while simultaneously addressing the three planetary crises of climate change, biodiversity loss and pollution. It does so by supporting resource efficiency increases in the manufacturing and use of products along value chains and during the life cycle of the product; by reducing or eliminating the emission of non-fuel-related greenhouse gas emissions; and by assisting in achieving the objectives of and compliance with multilateral environmental agreements. In doing so, its activities further improve competitiveness, as well as the development of and access to markets, particularly for SMEs. This contributes to climate-neutral, resilient, pollution-free industrial development, supporting co-existence that is in harmony with nature.

This position is located under the Circular Economy and Resource Efficiency Unit (TCS/CCM/CER), which is responsible for supporting capacity development to scale up and mainstream the production of sustainable products and adoption of circular and resource-efficient, cleaner patterns of consumption and production along value chains, circular economy policies, programmes and practices, including circular business models that improve the profitability of industries while creating social and environmental benefits. In addition, it promotes nature-based solutions and ecosystem-based approaches for inclusive and sustainable industrial development that support the co-existence of industries in harmony with nature. In addition, it facilitates the design of sustainable products made with fewer materials, with greater durability, reliability, reparability, reusability and recyclability, and supports the deployment of new business models that improve environmental performance.

PROJECT CONTEXT

Under the Eco-industrial Parks Introduction project in Uzbekistan (SAP 230116), EIP will be incentivized and mainstreamed in relevant policy and regulations leading to an increased role of EIP in environmental, industry, and other relevant policies at the national level in Uzbekistan. EIP opportunities will be identified, and implementation started, with environmental (e.g. resource productivity), economic and social benefits achieved by enterprises. Communication activities are required to generate and disseminate/transfer knowledge to the stakeholders and UNIDO, and the interested public in general through dissemination at the national level.

MAIN FUNCTIONS

Under the supervision of the UNIDO Project Manager (PM), and in close collaboration with the National Project Coordinator (NPC), the expert will support feasibility assessment to optimize on-site wastewater treatment, with key focus on companies in chemical, textile dyeing and metal fabrication sectors.

All materials are going to be prepared by the expert in English (for approval), and made available into Uzbek or Russian (for national-level use).

The main duties and deliverables are described below:

Main duties	Output	Days	Location
Coordinate and communicate with project team, industrial zone administration and companies as required	Meetings minutes	4 days	<ul style="list-style-type: none"> • Home office
In collaboration with Zone Administration, identify and get commitment from higher risk companies to engage on this initiative	Meeting minutes	2 days	<ul style="list-style-type: none"> • 1 visit to FEZ Urgut (Samarkand region)
<p>Produce draft feasibility assessment for on-site wastewater treatment for two selected companies.</p> <p>The feasibility assessment for each company shall include at least the following:</p> <ul style="list-style-type: none"> • Methodology overview • Description of current situation at company • Description of proposed solution • Technical analysis • Economic analysis • Identification and review of financing options • Environmental and social aspects • Risk assessment • Legal aspects • Action plan for implementation • Conclusions and recommendations • Detailed data and calculation to be included in Annex 	One draft feasibility assessment per company, so two reports	30 days total <ul style="list-style-type: none"> • 15 days per company 	<ul style="list-style-type: none"> • Home office • At least 2 visits to FEZ Urgut
Present and discuss results of feasibility assessments to project team and companies and process suggestions into final version of feasibility assessments	Final version of feasibility assessment per company, so two reports	4 days total <ul style="list-style-type: none"> • 2 days per company 	<ul style="list-style-type: none"> • Home office • 1 visit to FEZ Urgut

MINIMUM ORGANIZATIONAL REQUIREMENTS

Education: Advanced university degree in water management/engineering or other relevant discipline with a specialization in waste water is required.

Technical and Functional Experience:

- A minimum of six (5) years practical experience in the field of water management in production activities, is required.
- Good knowledge of feasibility assessments and legal base for water management at productive businesses is desirable
- Experience in evaluating the needs, conditions and problems in developing countries is desirable.

Languages: Fluency in written and spoken English and Uzbek languages is required. Fluency and/or working knowledge of Russian language is beneficial.

REQUIRED COMPETENCIES

Core values:

WE LIVE AND ACT WITH INTEGRITY: work honestly, openly and impartially.

WE SHOW PROFESSIONALISM: work hard and competently in a committed and responsible manner. WE

RESPECT DIVERSITY: work together effectively, respectfully and inclusively, regardless of our differences in culture and perspective.

Key competencies:

WE FOCUS ON PEOPLE: cooperate to fully reach our potential –and this is true for our colleagues as well as our clients. Emotional intelligence and receptiveness are vital parts of our UNIDO identity.

WE FOCUS ON RESULTS AND RESPONSIBILITIES: focus on planning, organizing and managing our work effectively and efficiently. We are responsible and accountable for achieving our results and meeting our performance standards. This accountability does not end with our colleagues and supervisors, but we also owe it to those we serve and who have trusted us to contribute to a better, safer and healthier world. WE COMMUNICATE AND EARN TRUST: communicate effectively with one another and build an environment of trust where we can all excel in our work.

WE THINK OUTSIDE THE BOX AND INNOVATE: To stay relevant, we continuously improve, support innovation, share our knowledge and skills, and learn from one another.