

REQUEST FOR EXPRESSIONS OF INTEREST (CONSULTING SERVICES – FIRMS SELECTION)

Country: Bosnia and Herzegovina

Project: Air Quality Improvement Project (AQIP)

Loan No.: IBRD-95180

Assignment Title: Support for a Sustainable Institutional and Financial Management of Air Quality in BiH

Reference No. (as per Procurement Plan): BA-AQIP-9518-BA-FBIH-CS-CQS-26-1.3.1

The Bosnia and Herzegovina has received financing from the World Bank toward the cost of the Air Quality Improvement Project, and intends to apply part of the proceeds for consulting services.

The consulting services (“the Services”) include Support for a Sustainable Institutional and Financial Management of Air Quality in BiH during 6 months of the Project implementation. The Services are expected to start in Q3 2026.

The detailed Terms of Reference (TOR) for the assignment is available on the following link: <https://fmoit.gov.ba/projekti/projekat-unapredjenja-kvaliteta-zraka/postupci-nabavki-u-skladu-sa-procedurama-svjetske-banke/poziv-za-dostavu-ponuda/>.

Clarifications and amendments of this Request, if applicable, will be made available on the following link:

<https://fmoit.gov.ba/projekti/projekat-unapredjenja-kvaliteta-zraka/postupci-nabavki-u-skladu-sa-procedurama-svjetske-banke/pojasnjenje-i-izmjene-tenderske-dokumentacije/>

The Federal Ministry of Environment and Tourism now invites eligible consulting firms (“Consultants”) to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services.

The shortlisting criteria are: Core business and years in business 30%; Qualifications in the field of the assignment 60%; Technical and managerial organization of the firm and availability of key staff within the firm 10%. Key Experts will not be evaluated at the shortlisting stage.

Required qualifications and experience of the firm

- At least 10 years of professional experience in the field of environmental protection (air, water, soil, waste management and/or biodiversity). Experience with large multi-stakeholder projects is highly desirable.
- The consulting firm should have a proven track record demonstrated through at least one (1) relevant experience related to household heating registries, and at least

one (1) relevant contract involving the development of financial mechanisms in the field of environmental protection and/or energy, both implemented within the last five (5) years. The value of each of these two contracts shall be no less than 60.000,00 EUR

- The consulting firm should demonstrate solid experience in air quality management, evidenced through at least two (2) reference projects completed during the last five (5) years. Reference projects may include preparation of air quality studies and assessments, emission inventories, air quality strategies and action plans, technical support to air quality monitoring networks and data quality systems or similar assignments directly related to main air pollutants.
- Experience working with government institutions, international organizations (e.g., World Bank, UNDP, EU-funded projects), civil society organizations, and the private sector. The ability to navigate regulatory frameworks and collaborate with public-sector stakeholders is essential.
- Experience in similar assignments in local area (Bosnia and Herzegovina) is an asset.

To substantiate the above qualifications, the Consultant must prepare a table containing the following information: project title or relevant assignment; description of the work performed; year of project implementation; country/region; client's contact (first and last name, e-mail address, telephone number); and contract value (certificate of contracting authority on successful implementation).

The attention of interested Consultants is drawn to Section III, paragraphs, 3.14, 3.16, and 3.17 of the World Bank's "Procurement Regulations for IPF Borrowers" November 2020 ("Procurement Regulations"), setting forth the World Bank's policy on conflict of interest.

In addition, please refer to the following specific information on conflict of interest related to this assignment:

Consultant may be considered to have a conflict of interest for the purpose of this expression of interest process, if the Consultant:

- a) directly or indirectly controls, is controlled by or is under common control with another Consultant; or
- b) receives or has received any direct or indirect subsidy from another Consultant; or
- c) has the same legal representative as another Consultant; or
- d) has a relationship with another Consultant, directly or through common third parties, that puts it in a position to influence the application of another Consultant, or influence the decisions of the Employer regarding this Bidding process.

Consultants may associate with other firms to enhance their qualifications, but should indicate clearly whether the association is in the form of a joint venture and/or a sub-consultancy. In the case of a joint venture, all the partners in the joint venture shall be jointly and severally liable for the entire contract, if selected.

A Consultant will be selected in accordance with the Consultant's Qualifications Based Selection (CQS) method set out in the Procurement Regulations.

Further information can be obtained at the address below during office hours 09:00 to 15:00 hours.

Federal Ministry of Environment and Tourism
Project Management Unit (PMU)
Attn. / Ms. Lejla Hodžić
PMU Procurement Expert
Hamdije Čemerlića 2, 71000 Sarajevo, Bosnia and Herzegovina
Telephone: +387 033 703 455
E-mail: Lejla.Hodzic@fmoit.gov.ba ; copy: Benjamin.Cekic@fmoit.gov.ba
Web site: <https://www.fmoit.gov.ba>

Expressions of interest, comprising of Letter of Application, excerpt from court registry, reference list and certificates on successful completion, CVs of experts, must be delivered in English language - written hard copy with electronic copy on USB, to the address above by 26th June 2026, 10:00 hrs local time.

The outer envelope shall:

- bear the name and address of the Consultant;
- be addressed to the Client;
- bear the specific identification of this Bidding process; and
- bear a warning

“NE OTVARAJ – PONUDA AQIP

JEDINICA ZA UPRAVLJANJE PROJEKTOM (PMU)”

Air Quality Improvement Project (AQIP)

TERMS OF REFERENCE

Support for a Sustainable Institutional and Financial Management of Air Quality in BiH

1. General Project Information

- Project Name: Air Quality Improvement Project (AQIP)
- Client: FBiH Ministry of Environment and Tourism
- Assignment Title: Support for a Sustainable Institutional and Financial Management of Air Quality in BiH
- Assignment Type: Consultancy Services
- Contract Type: Lump-Sum
- Duration: 6 months

2) Background

The Government of Bosnia and Herzegovina has secured financing from the International Bank for Reconstruction and Development (IBRD), a part of the World Bank Group, to implement the Bosnia and Herzegovina 'Air Quality Improvement' (AQI) Project, hereinafter referred to as "AQIP." The development objective of AQIP is to strengthen air quality monitoring and management and reduce air pollutant emissions from the residential heating and transport sectors in the Federation of Bosnia and Herzegovina (FB&H). AQIP began implementation in May 2024 and will close in June 2029.

AQIP has four components:

Component 1: Strengthening Air Quality Monitoring and Management. This component aims to further develop and strengthen air quality monitoring (AQM) across different levels within the FB&H. It includes strengthening operational capabilities of the FBiH Hydrometeorological Institute (FHMI) and further capacity building of the Air Quality Center in Sarajevo Canton as a pilot for other cantons. Activities under this component include improving the air quality monitoring network at the FB&H level, enhancing the FHMI's capacity, and developing the FHMI into a Reference Center for Air Quality in FB&H.

Component 2: Scaling up Sustainable Heating and Energy Efficiency in Residential Buildings. This component introduces a grant scheme to make investments in distributed sustainable heating and energy efficiency more affordable for households. It aims to reduce particulate matter emissions from heating by financing eligible investments in

sustainable heating technologies. The focus will be on single-family homes using solid fuels for heating, but multi-apartment buildings reliant on coal or wood for heating will also be eligible. Activities include supporting the replacement of traditional stoves and boilers with modern and cleaner heating technologies and improving energy efficiency in residential buildings.

Component 3: Supporting the Transition to Low-Emission Transport. This component funds investments and technical assistance to align with Sarajevo Canton's objective of shifting towards a low-emission urban mobility system. Activities include improving bicycling infrastructure, developing approaches to implement low-emission measures, and providing low-emission public transport vehicles. The component aims to enhance collaboration between the Sarajevo Canton Air Quality Center and the Sarajevo Canton Ministry of Traffic in implementing low-emission measures.

Component 4: Project Implementation Support. This component provides support for AQIP management and implementation, including monitoring and evaluation, audits, training, environmental and social safeguards, and fiduciary management. It aims to strengthen AQIP implementation capacity within the FB&H Ministry of Environment and Tourism (FMoET) and participating cantons.

Air quality is one of the key environmental and public health issues in Bosnia and Herzegovina, especially in urban areas. PM_{2.5} concentrations in cities are often several times above the prescribed limit values, and air pollution entails significant health and economic consequences, including estimates of premature deaths associated with exposure to ambient air pollution. The largest contribution to urban pollution (especially PM_{2.5}) comes from household heating, industry and transport, while household emissions are particularly driven by the burning of solid fuels in traditional stoves and boilers, especially in single-family houses.

The new Law on Air Protection of the Federation of Bosnia and Herzegovina ("Official Gazette of FBiH", No. 72/24) establishes the core institutional framework for air quality management, yet effective implementation requires strong analytical, monitoring and planning capacities across responsible institutions. In particular, household heating remains a dominant driver of winter PM pollution and must be addressed through well-targeted measures backed by reliable data on household combustion systems and robust air quality monitoring. This assignment therefore introduces a dedicated activity focused on institutional and technical support: harmonising cantonal household combustion registries, strengthening capacities for data use and programme targeting, and preparing a Federal monitoring network development plan. These actions will directly complement the household-emissions financial mechanism by enabling evidence-based prioritisation, tracking and evaluation of results.

In practice, air quality improvement measures often face constraints due to limited capacities, fragmented responsibilities and, in particular, the lack of stable and predictable

financial mechanisms. Targeted investments and instruments are needed to implement measures and track results.

3) Objectives of the Assignment

The overall objective of the assignment is to support the operational implementation of the new Law on Air Protection of the Federation of Bosnia and Herzegovina (“Official Gazette of FBiH”, No. 72/24) by strengthening the institutional, analytical, monitoring and planning foundations for effective air quality management, while simultaneously developing a sustainable and implementable financing framework to reduce emissions from household heating in urban areas. Activities under this assignment will also inform investments under AQIP, principally those under Components 1 and 2.

Specifically, the Consultant shall:

- deliver institutional and technical support that enables responsible institutions (FMOIT, FHMZ, cantonal and local authorities, and the Environmental Protection Fund of FBiH) to plan, monitor and evaluate air quality improvement measures using harmonised datasets and fit-for-purpose tools; and
- develop a household-emissions reduction financial mechanism that provides a stable, transparent and scalable framework for targeting, (co-)financing, verification, integrity controls, and performance monitoring of measures that reduce emissions from household combustion, with particular emphasis on solid-fuel heating.

4) Scope of Work

The Consultant will be responsible for the following tasks:

4.1. Institutional and technical support for air quality management

Under this task, the Consultant shall provide institutional and technical support to FMOIT and partner institutions for the implementation of the new Law on Air Protection (“Official Gazette of FBiH”, No. 72/24), with emphasis on strengthening the analytical, monitoring and planning capacities required for effective air quality management. The work shall be coordinated with Task 4.3 so that programme targeting, prioritisation and monitoring are based on reliable data and workable institutional procedures. Throughout implementation, the Consultant shall ensure regular technical coordination meetings with FMOIT and FHMZ, and shall maintain a consolidated action log capturing agreed decisions, data requests and follow-up responsibilities.

4.1.1. Assessment of household heating registries

Emissions from household heating represent one of the main sources of air pollution in urban areas in the Federation of Bosnia and Herzegovina. Reliable and structured information on household heating systems and fuels is therefore essential for evidence-based targeting of measures, as well as for tracking programme results. The Consultant shall conduct an assessment of existing cantonal registries of household heating, where such registries already exist.

The assessment shall, at minimum

- identify cantons that maintain registries and the responsible institutions;
- examine methodologies and operational procedures for data collection and updates;
- assess coverage, completeness and data quality controls;
- review classification systems for heating technologies and fuels; and
- analyse the compatibility of registry data with emission inventory methodologies and the practical needs of programme targeting and verification
- Based on the assessment, the Consultant shall prepare recommendations for a harmonised methodology for household heating registries applicable across the FBiH, including minimum data requirements, a recommended registry structure (variables, coding and documentation), guidance for integration with emission inventories and air quality planning, and practical guidance for cantons that do not yet maintain such registries (including an option for phased roll-out and indicative resource requirements).

4.1.2. Capacity building and training programme for air quality management

To support establishment and improvement of household heating registries and to strengthen broader air quality management capacities, the Consultant shall design and implement an integrated capacity building and training programme for institutions responsible for air quality management. The programme shall target cantonal environmental ministries, municipal authorities, environmental monitoring institutions, the environmental fund and related agencies, and it shall be structured to address both (i) the practical steps required to build and maintain household heating registries and (ii) the technical competencies needed to use monitoring and inventory data for policy design, programme implementation and evaluation.

The Consultant shall organise up to four (4) practical workshops that enable exchange of experience between cantons and municipalities, including peer learning from jurisdictions where registries are already in place. These workshops shall be used to present the recommended harmonised methodology and minimum data standards, demonstrate the use of templates and tools (registry structures, data dictionaries, checklists), and resolve practical challenges related to field data collection, verification, update cycles, institutional roles and data handover. Special attention shall be given to cantons where registries are not yet established and to municipalities with higher exposure risks and higher prevalence of solid-fuel heating.

In parallel, the Consultant shall deliver one (1) structured training, divided in sections, that build core air quality management capacities required by the Law and directly relevant to the household heating measures financed through Task 4.2. The training shall cover, at minimum,

- (a) air quality monitoring, interpretation of monitoring outputs and basic QA/QC principles;
- (b) emission inventories with particular focus on household emission estimation and the role of registries as activity data;
- (c) design and implementation of air pollution reduction programmes, including targeting logic, verification arrangements and integrity safeguards; and

(d) monitoring and evaluation of air quality improvement measures, including before&after approaches and performance indicator design.

Training delivery shall be practice oriented, using FBiH relevant datasets and workflows, and shall be documented through agendas, materials and brief outcomes notes. The training is intended for relevant institutions responsible for air quality management in the Federation of BiH, including cantonal environmental ministries, selected municipal representatives, the Federal Hydrometeorological Institute, and the Environmental Protection Fund of the Federation of BiH. The structured training will be designed as a 2-day programme, combining theoretical and practical sessions.

4.2. Assessment and development plan for the federal air quality monitoring network

4.2.1. Assessment of the existing Federal monitoring system

The Consultant shall carry out a detailed assessment of the current monitoring system, including, but not limited to:

- Inventory and mapping of all existing monitoring stations and sampling points operated by relevant institutions, including institutional roles, mandates, ownership arrangements, and planned procurement of new equipment under AQIP; as well as a stock take of current air quality data reporting practices, including data flows, formats, frequency and responsible institutions.
- Identification and assessment of pollutants currently monitored, including differentiation between continuous and indicative measurements;
- Analysis of spatial coverage and representativeness in relation to defined zones and agglomerations;
- Technical review of monitoring infrastructure, including station typology, siting (macro- and micro-location), equipment, and applied measurement methodologies;
- Assessment of quality assurance and quality control (QA/QC) systems, including calibration procedures, data validation processes, and compliance with data quality objectives; and
- Review of institutional coordination mechanisms, including the role and capacity of the Federal Hydrometeorological Institute as the central coordinating body.

The Consultant shall identify key technical, operational, and institutional gaps affecting the performance, reliability, and regulatory compliance of the monitoring system. The assessment shall also analyse constraints related to exposure assessment and the evaluation of air quality measures, particularly in relation to household heating.

It is acknowledged that QA/QC procedures are already established, publicly available, and formally adopted by the Federal Hydrometeorological Institute. The Consultant shall review these procedures, assess their alignment with current best practices and regulatory requirements, update them as necessary, and ensure their full integration into the Plan.

The output of this task shall include a concise Assessment Report with clearly prioritised recommendations for short- and medium-term improvements.

4.2.2. Preparation of the Federal air quality monitoring network development plan

Building on the findings of 4.2.1., and taking into account the established Zones and Agglomerations, the Consultant shall prepare the Federal Air Quality Monitoring Network Development Plan.

The Plan shall:

- Define the optimal number, type, and spatial distribution of monitoring stations and sampling points across zones and agglomerations, in accordance with regulatory requirements and good international practice, and taking into account existing equipment and planned procurement of new equipment under AQIP.;
- Specify requirements for different station types, including urban background, traffic, industrial, and rural/background locations;
- Address monitoring needs related to regional and transboundary transport of pollutants;
- Where relevant, include provisions for monitoring in protected areas and for additional parameters such as allergenic pollen.

The Plan shall further include:

- Technical specifications and recommendations for monitoring technologies and equipment;
- Definition of measurement regimes (continuous and indicative), aligned with assessment thresholds and monitoring objectives;
- Detailed provisions on QA/QC systems, including calibration, validation, and data quality management, incorporating and updating existing adopted procedures;
- A data management framework, including data acquisition, storage, processing, validation, reporting, and public dissemination systems; and
- Recommendations to ensure compatibility with national systems and future alignment with European reporting obligations.

4.2.3. Implementation roadmap

To support practical implementation, the Consultant shall prepare an indicative, prioritised, and phased Implementation Roadmap, which shall:

- Define short-, medium-, and long-term investment priorities;
- Propose sequencing of measures based on urgency, impact, and feasibility;
- Provide indicative cost categories (where feasible); and
- Identify potential institutional responsibilities and coordination mechanisms for implementation.

The Roadmap shall serve as a decision-support tool for the Government of the Federation of Bosnia and Herzegovina and as technical input for the Environmental Protection Fund of the Federation of BiH in planning and financing future air quality monitoring investments.

4.2.4. Preparation of technical guidance document

The Consultant shall prepare a Technical Guidance Document on integrating air quality considerations into spatial planning and transport policies. The document shall be practical, operational, and tailored to the needs of competent authorities.

The Guidance shall:

- Define entry points and methodologies for integrating air quality considerations into spatial planning documents, transport strategies, and project appraisal processes;
- Identify priority measures to reduce emissions and population exposure in residential areas, including those complementing household heating interventions; and
- Propose institutional coordination mechanisms between environmental, spatial planning, and transport authorities.

The Guidance shall include:

- Practical examples of measures such as low-emission zones, sustainable urban mobility planning, traffic management, and infrastructure improvements; and an application of emission standards and limit values in line with the regulatory framework of the Federation of BiH, including their use in spatial planning decisions and transport policies;
- Screening checklists for assessing air quality impacts of plans and projects; and
- Recommended minimum datasets, indicators, and analytical tools required for effective air quality integration into planning processes.

Given that the Federal Hydrometeorological Institute is the legally mandated authority for the establishment of the Federal air quality monitoring network, the Consultant shall ensure that all activities, outputs, and deliverables are developed in continuous consultation with the Institute and are subject to its formal review and approval.

4.3. Development of the financial mechanism

Under this task, the Consultant shall prepare a long-term, institutionalize financial mechanism to finance air quality improvement measures, with a priority focus on households in urban areas. The mechanism should build on the experience and lessons learned under AQIP (particularly Component 2 activities) and reflect constraints on the ground, including limited budget envelopes, varying levels of institutional capacity, household affordability / uptake, and political feasibility. The mechanism should enable transparent planning, respond to market needs, allocate and control funds, enforce clear eligibility rules, fund flows, responsibilities and employ a results monitoring system.

The Consultant shall define the scope of the mechanism and prepare a proposed catalogue of eligible household measures to be financed through the mechanism, including minimum technical requirements and funding caps per measure. The catalogue of measures shall be aligned with the objective of reducing emissions from households, particularly emissions related to the burning of solid fuels.

The Consultant shall identify and engage the key actors necessary for the mechanism to be workable in practice and organize targeted consultations to collect feedback and align operational solutions. At minimum, the following is expected:

- focus groups or working meetings with equipment distributors and contractors,
- consultations with financial institutions,
- consultations with relevant public institutions for operational implementation and targeting of beneficiaries
- citizen engagement, targeting households that would be targeted by such a mechanism

The Consultant shall prepare a stakeholder list, a consultation plan and a summary of conclusions to be incorporated into the mechanism design.

The Consultant shall define the structure of financial instruments used by the mechanism (e.g., grants, subsidies, vouchers, combination with loans), as well as clear (co-)financing rules for households and eligibility criteria. The Consultant shall also define the governance structure of the mechanism and the precise roles of institutions throughout the full cycle. (e.g., the Federal government, Cantonal governments, the Environmental Protection Fund). In particular, fund flows (from the source of financing to the final beneficiary and/or supplier) must be clearly described, including variants where support is paid to the beneficiary, to the supplier, or through a combined model.

The Consultant shall prepare operational rules and standardized steps for implementing the mechanism, including:

- the content and minimum elements of the public call,
- minimum application documentation and methods for evidencing compliance,
- rules for administrative screening and evaluation (including scoring criteria where applicable),
- contract templates/models,
- payment conditions and stages
- a set of forms and supporting documents used in implementation (application form, statements, checklists, contract, payment request).

The Consultant shall define the system for verification of implemented measures and quality control, including minimum requirements for technical verification. The Consultant shall also incorporate integrity elements such as prevention of conflicts of interest, basic rules for preventing fraud and irregularities, procedures in case of suspected misuse, and the manner of recording and archiving documentation. A performance monitoring framework shall also be defined with clear indicators at the activity and results levels.

A special part of the financial mechanism is to provide recommendations on how to integrate, in the short and long run, households that may be subject to illegal housing given that this is a major social issue and has great influence on the overall impact of the financial mechanism.

As part of the assessment of the budget needs for the financial mechanism, the Consultant shall prepare a realistic and transparent financial framework that clearly distinguishes programme funds intended for direct support to households and administrative and operational costs of establishing and managing the mechanism. The budget estimate shall include at least three scale scenarios (minimum / medium / ambitious) with clearly stated assumptions. In particular, it shall foresee and present programme management costs (application processing, evaluation, contracting,

payments), verification and quality control costs, communication and beneficiary information costs, the grievance mechanism, as well as necessary costs for records/IT support and reporting.

5) Expected Deliverables

Deliverable	Timeline
Inception Report (final methodology and work plan), including initial outline of financial mechanism approach	Month 1
Preliminary assessment package, including initial findings on household heating registries and air quality monitoring network, and their implications for financial mechanism design	Month 2
Initial concept of the financial mechanism, including proposed instruments, targeting approach and preliminary design options	Month 3
Final assessment reports, including (i) household heating registries with harmonised methodology and (ii) federal air quality monitoring network assessment and development plan	Month 4
Stakeholder consultation and capacity building report, including workshops, training and consolidated inputs for financial mechanism design	Month 5
Final financial mechanism package (entire document), including operational rules, templates, implementation framework and performance monitoring system	Month 6

6) Consultant Requirements

The Consultant (firm or consortium) should meet the following minimum qualifications:

- At least 10 years of professional experience in the field of environmental protection (air, water, soil, waste management and/or biodiversity). Experience with large multi-stakeholder projects is highly desirable.
- The consulting firm should have a proven track record demonstrated through at least one (1) relevant experience related to household heating registries, and at least one (1) relevant contract involving the development of financial mechanisms in the field of environmental protection and/or energy, both implemented within the last five (5) years. The value of each of these two contracts shall be no less than 60.000,00 EUR
- The consulting firm should demonstrate solid experience in air quality management, evidenced through at least two (2) reference projects completed during the last five (5) years. Reference projects may include preparation of air quality studies and assessments, emission inventories, air quality strategies and action plans, technical support to air quality monitoring networks and data quality systems or similar assignments directly related to main air pollutants.
- Experience working with government institutions, international organizations (e.g., World Bank, UNDP, EU-funded projects), civil society organizations, and the

private sector. The ability to navigate regulatory frameworks and collaborate with public-sector stakeholders is essential.

- Experience in similar assignments in local area (Bosnia and Herzegovina) is an asset.

To substantiate the above qualifications, the Consultant must prepare a table containing the following information: project title or relevant assignment; description of the work performed; year of project implementation; country/region; client's contact (first and last name, e-mail address, telephone number); and contract value (certificate of contracting authority on successful implementation).

The Consultant shall provide a team of qualified experts with the following expertise:

1. Project Manager / Air quality expert 1

- General Qualification: Bachelor's degree in engineering. Master's degree is an asset.
- General Experience: Minimum 10 years of experience in air quality related projects
- Specific Experience:
 - ✓ Experience in leading teams in projects related to air emissions and quality
 - ✓ Experience in managing and developing action plans, studies and strategic documents related to pollutant emissions and air quality.
 - ✓ Experience and expertise in air quality monitoring
 - ✓ Experience in laboratory work according to ISO 17025
 - ✓ Experience in working with government institutions, international organizations, and donors (e.g., World Bank, UNDP, EU projects, etc.)
 - ✓ Strong leadership skills with experience in managing multidisciplinary teams.

2. Air quality expert 2

- General Qualification: Bachelor's degree in engineering. Master's degree is an asset.
- General Experience: Minimum 10 years of experience in air quality related projects
- Specific Experience:
 - ✓ Proven experience and expertise in emission calculation and country specific emission factors for domestic coals
 - ✓ Proven experience in air quality management
 - ✓ Experience related to the network of air quality monitoring stations

3. Transport Expert

- General Qualification: Bachelor's degree in traffic engineering. Master's degree is an asset.
- General Experience: Minimum 10 years of professional experience in transport planning, urban mobility or transport-related air quality and emissions assessment.
- Specific Experience:

- ✓ Demonstrated experience in assessing the contribution of road transport to urban air pollution, including the use of transport emission inventories and modelling tools.
- ✓ Experience in developing or evaluating transport-related air quality measures, such as low-emission zones, urban mobility plans, traffic management schemes or modal-shift interventions.
- ✓ Experience in integrating transport considerations into spatial planning documents, environmental impact assessments or air quality action plans.

4. GIS Modelling Expert

- General Qualification: Bachelor's degree in geography, natural science, urban planning or a related field. Master's degree is an asset.
- General Experience: Minimum 5 years of professional experience in GIS-based spatial analysis and modelling in environmental or urban planning projects.
- Specific Experience:
 - ✓ Proficiency in GIS software and spatial data management, including working with environmental monitoring datasets, cadastral data and administrative boundaries.
 - ✓ Experience in spatial modelling of air pollutant emissions or concentrations, including mapping of emission source distributions, monitoring network coverage and population exposure.
 - ✓ Experience in developing spatial databases and visualisation products (maps, dashboards) to support evidence-based planning and policy targeting in the environmental or public health sectors.
 - ✓ Experience in integrating GIS outputs with household or socio-economic registry data to support programme targeting and verification is highly desirable.

5. Exposure assessment expert

- General Qualification: Bachelor's degree in natural or health sciences. Master's degree is an asset.
- General Experience: Minimum 10 years of experience in air quality related projects
- Specific experience in:
 - ✓ Experience in working with the air quality and air emission sectors
 - ✓ Experience in assessing the exposure of the population to emissions of pollutants into the air
 - ✓ Experience in environmental impact assessment, with particular focus on air quality
 - ✓ Experience in work with laboratories in the field of environmental protection

6. Finance Expert

- General Qualification: Bachelor's degree in economy. Master's degree is an asset.
- General Experience: Minimum 10 years of experience in project related to environmental protection and/or energy

- Specific Experience:
 - ✓ Experience and expertise in budgeting project activities in regard to air quality
 - ✓ Experience in developing financial mechanisms related to environmental protection and/or energy
 - ✓ Proven experience in strategic planning regarding air quality
 - ✓ Experience and expertise in public services and their financial mechanisms

7. Data analyst specialist

- General Qualification: Bachelor's degree in economics, statistic, environmental management or related sciences. Master's degree is an asset.
- General Experience: Minimum 3 years of experience in project related to environmental protection and/or energy
- Specific Experience:
 - ✓ Experience in data analysis, statistic related to environmental protection

TEAM COMPOSITION AND EFFORT ALLOCATION (Aligned with ToR)

Role	Days	Key Responsibilities
Project Manager / Air Quality Expert 1	70	Overall project management; leads Tasks 4.1.1 and 4.1.2; household registry assessment and harmonised methodology; capacity building programme design; coordination with FMOIT and FHMZ.
Air Quality Expert 2	70	Technical lead for Task 4.2; emission factor analysis; monitoring network assessment and Development Plan; QA/QC systems; support to Task 4.1.1 on registry-inventory integration.
Exposure Assessment Expert	40	Population exposure analysis; support to monitoring network assessment (Task 4.2); health impact framing; technical input to spatial planning guidance (Task 4.2.1) and financial mechanism targeting (Task 4.3).
Finance Expert	80	Lead for Task 4.3; financial mechanism design including instruments, governance, fund flows, operational rules, verification, integrity controls and performance monitoring framework; budget scenarios.
Transport Expert	40	Leads Task 4.2.1 on integrating air quality into spatial planning and transport policies; provides input on transport emission sources for monitoring network assessment (Task 4.2) and financial mechanism targeting (Task 4.3).
GIS Modelling Expert	40	Spatial mapping of household heating registry coverage and gaps (Task 4.1); GIS modelling of monitoring station network coverage and population exposure (Task 4.2); spatial targeting layers for the financial mechanism (Task 4.3).
Data Analyst Specialist	60	Data processing and analysis for registry assessment and monitoring network tasks; statistical support; preparation of datasets, checklists and data dictionaries for capacity building materials.
TOTAL (Core Team)	400	—
Firm-Level QA / Support Pool	—	Senior review of all deliverables, document quality control, internal audit and sign-off.

ODCs (Included in rates)	—	Travel, per diem, workshop venue and logistics costs are included in expert day rates.
GRAND TOTAL	—	—

Selection of the Consultant

Bidding will be conducted through national competitive procurement using Consultant's Qualifications Based Selection (CQS) as specified in the World Bank's "Procurement Regulations for IPF Borrowers" November 2020 ("Procurement Regulations"), and is open to all eligible Consultants as defined in the Procurement Regulations.

The evaluation criteria are: Core business and years in business 30%; Qualifications in the field of the assignment 60%; Technical and managerial organization of the firm and availability of key staff within the firm 10%. CVs of Key Experts will not be evaluated in evaluation of expressions of interest.