REPUBLIC OF MOZAMBIQUE

MINISTRY OF TRANSPORT AND COMMUNICATIONS

SOUTHERN AFRICA TRADE AND CONNECTIVITY PROJECT (P164847)

TERMS OF REFERENCE

Consultancy Services for design, supervision, and elaboration of environmental and Social Instruments of project construction works for Laboratories of INIP, INNOQ and MADER (DNSAB)

Abbreviations and acronyms

C-ESMP	Contractor's Environmental and Social Management Plan
CHSP	Community Health and Safety
ESS	Environmental and Social Standards
ESIA	Environmental and Social Impact Assessment
ESMF	Environmental and Social Management Framework
ESGs	Environmental and Social Guidelines
ESMP	Environmental and social management plan
DNSAB	Direcção Nacional de Sanidade Agro-pecuária e Biossegurança
DRC	Democratic Republic of Congo
DUAT	Direito de Uso e Aproveitamento da Terra
ESMP	Environmental and social management plan
GPGs	Good Practice Manuals
GBV	gender-based violence
ICT	Information, and communications technology
INIP	Instituto Nacional de Inspecção do Pescado
INNOQ	Instituto Nacional de Normalização e Qualidade
LMP	Labor Management Procedures
MADER	Ministério de Agricultura e Desenvolvimento Rural
MTA	Ministério da Terra e Ambiente
MTC	Ministério de Transportes e Comunicações
PCP	Public Consultation Process
OHS	Occupational Health and Safety Plans, Codes of Conduct
PCCAA	Projecto de Comércio e Conectivade da África Austral
SEP	Stakeholders Engagement Plan
SADC	Southern African Development Community
SATCP	Southern Africa Trade and Connectivity Project
SOP's	Standards Operational Procedures

SPS	Sanitary and Phytosanitary Measures
SIA	Social Impact Assessments
SMP	Social Management Plan
SEA	Sexual exploitation and abuse
SH	Sexual harassment
TMP	Traffic Management Plan

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1 Introduction

1.1 Context

The Governments of Mozambique and Malawi are implementing the Southern Africa Trade and Connectivity Project (SATCP), a World Bank-funded project to increase regional trade coordination, reduce trade costs and time, develop regional value chains, and improve access to infrastructure. The project includes investments along the Nacala and Beira Corridors connecting Mozambique to Malawi, and along the Maputo Corridor connecting Mozambique to South Africa through Ponta do Ouro.

Building on the best operational and analytical evidence, the project uses an infrastructure-plus approach in design, combining the upgrade of border posts, information, and communications technology (ICT) investments, and road upgrading, as well as targeted trade-related reforms and value chain development to advance regional integration. These joint project investments and activities are expected to lead to substantial economic benefits, including increased regional trade, income growth, job creation, and resilience. Positive economic spill overs should also benefit other countries in the sub-region.

For Mozambique and Malawi, focusing on strengthening intra-regional trade and economic linkages through a spatial focus on Mozambique's economic corridors is particularly salient. Following recent investments, Mozambique has become increasingly important as a transit destination for Malawi and other landlocked countries in the Southern African Development Community (SADC). The Beira and Nacala corridors that connect the central and northern part of Mozambique with landlocked Malawi, Zimbabwe, Zambia, and by extension, Botswana and the DRC have benefited from significant private and public investments, including upgrades to over 1,000km of roads, as well as improvements at the ports, construction of new sections of the railway line, and development of logistic hubs. In addition, the bridge and road that opened to traffic, in 2018, connecting Maputo to South Africa through Ponta do Ouro increases the capacity and reduces travel times between Mozambique and major South African ports of Durban and Richards Bay, on the Maputo Corridor.

Despite the upgrade of infrastructure, trade flows between Mozambique and Malawi remain limited. While agricultural trade between the two countries has been growing, the unmet annual bilateral trade potential is estimated at US$32.5 million. Secondly, there is considerable potential to increase trade along the Beira and Nacala corridors if trade costs are reduced, and inefficiencies addressed. Although Beira

and Nacala ports are closer to Malawi, the transport cost is not cheaper due to higher transaction costs. This suggests a high potential to reduce all-in costs that are limiting market shares. Given these increased efficiencies would particularly reduce costs for goods such as fuel, fertilizer, and other agriculture inputs, they would benefit primarily the poor, making the potential for poverty reduction substantial and support to infrastructure improvements along the trade corridors to specifically better-quality control of produce/products, certification etc.

One of the identified constraints along the trade corridors is the absence of laboratory facilities to test and certify agrarian products and for calibration of measurement instruments to facilitate regional trade.

Ultimately, in the agriculture trade-related area, SATCP aims to advance the implementation of international standards including mutual recognition of Sanitary and Phytosanitary measures (SPS) and standards procedures for commodities that are produced in both countries, thereby allowing import clearance controls to be reduced and or removed, without compromising international norms.

To improve and complement the corridor viability there is a need to allocate better laboratories facilities to enhance activities related to quality control and standard achievement, appropriately positioned and fully functional, well equipped and with good information management systems, which will result in the delivery of accredited testing services and reduced waiting time, reduction or even elimination of sending samples abroad, in addition, to provide services (quality analysis) near the production and transport areas (Nacala and Beira corridors).

These facilities (laboratories) must be suitable for the effective and efficient testing of agricultural products and the certification of the quality of these products (cashew, groundnuts, pulses, sesame, macadamia, soybean, cattle, eggs, poultry, fish, among others), fisheries, aquaculture, animal products and calibration of measuring instruments.

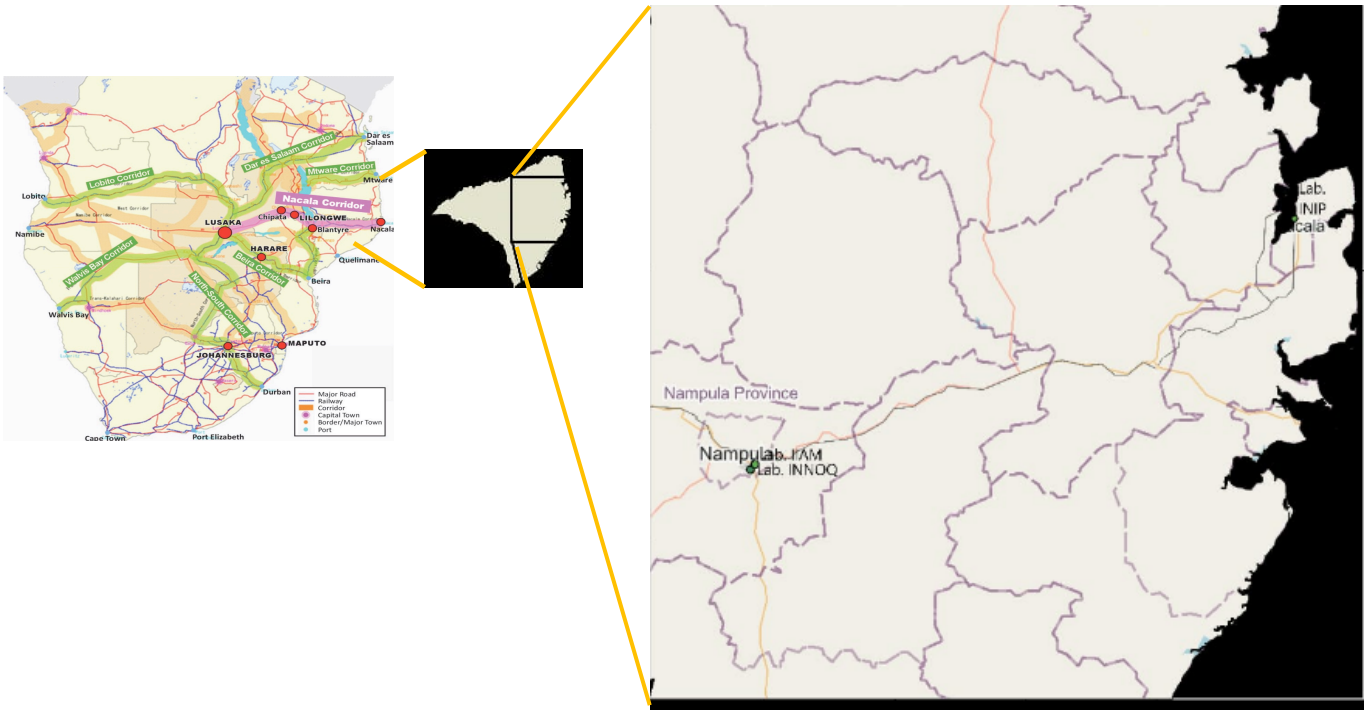

Figure 1: Location of the target facilities (IIAM lab "MADER", INNOQ Lab, both in Nampula city and INIP lab in Nacala city

Ultimately, in the agriculture trade-related area, SATCP aims to advance the implementation of international standards including mutual recognition of SPS and standards procedures for commodities that are produced in both countries, thereby allowing import clearance controls to be reduced and or removed, without compromising international norms. This consultancy will directly benefit the following SPS institutions: Instituto Nacional de Normalização e Qualidade (INNOQ, I.P.), Instituto Nacional de Inspecção do Pescado (INIP, I.P.), and Direcção Nacional de Sanidade Agro-pecuária e Biossegurança (DNSAB), under the Ministry of Industry and Commerce, the Ministry of the Sea, Inland Waters and Fisheries, and the Ministry of Agriculture and Rural Development respectively, and where applicable with other key stakeholders.

2 Project Components

The SATCP's main components, to meet the above objectives are:

Component 1: Reduce trade costs through trade facilitation by combining regulatory reforms with improvements in automation and border infrastructure;
Component 2: Strengthen Regional Coordination and Support Project Implementation;
Component 3: Strengthen value chains for regional Integration; and
Component 4: Strengthen transport infrastructure to improve market access.

The services under this ToR relate to Component 1 of SATCP.

3 Consultancy objective

The main objective of the services is to prepare technical design and carry out works supervision for the rehabilitation, remodelling and expansion of the existing laboratory facilities under MADER and INIP. In addition, this consultancy will include preparing the technical design of a new laboratory for INNOQ, whose space for construction was identified in Nampula city.

The scope of this consultancy also includes the preparation of the required environmental and social management instruments as set out by the outcome of the environmental and social screening proceed that preceded these TORs. Specifically, the consultant is required to prepare an overall Environmental and Social Impact Assessment (ESIA) and the complementary Environmental and Social Management Plan (ESMP) following the environmental regulation (Decree 54/2015) and the applicable World Bank Safeguards Policies (WBSP). The ESIA/ESMP should comprise the following deliverables:

1) Simplified Environmental Studies (SES) for the Laboratories of INIP in Nacala City;
2) Simplified Environmental Studies (SES) for the Laboratories of INIP for INNOQ in Nampula City;
3) And an Environmental and Social Impact Assessment (ESIA) for the Laboratory of MADER in Nampula.

For this purpose, an Environmental and Social Management Framework (ESMF), has been previously prepared and public disclosed on 20/11/2020)[1] to provide guidance for the preparation the aforementioned instruments including the required detailed guidance for contractors to prepared the Contractor's Environmental and Social Management Plan (C-ESMP) including the specific Occupational Health and Safety (OHS) plans, Community Health and Safety Plans (CHP), Traffic Management Plan (TMP), Labour Management Procedures (LMP).

The overall environmental and social (E&S) impact assessment (ESIA) shall be proportionate to the risks and impacts of the project. The E&S instruments shall be prepared contemporaneously with the technical designs. The E&S studies will inform the design of the project and be used to identify mitigation measures and actions and to improve decision making.

As part of the design task, an update of the technical drawings, and technical specifications according to the ISO/IEC17025, including carrying out all structural calculations, updating the quantity map and cost estimate of the rehabilitation/construction of the proposed laboratories facilities. This assignment shall also include the preparation of an operational and maintenance plan and related cost estimate.
Due to the complexity of the work foreseen under the present consultancy, it is expected that a multidisciplinary team needs to be mobilised to be able to perform and deliver the requested services.

4. Scope of work

4.1 The general scope shall include the following:

a) Assess the proposed facilities (including the investigation of the feasibility of collaboration and sharing services) and the existing conditions to accommodate the laboratories for MADER, INIP and INNOQ,
b) (Re) design the layouts of actual laboratories (proposing, where applicable, their rehabilitation and expansion to accommodate the analyses to be introduced) for the testing of plants, and

[1] The ESMF is available for consultation at https://documents1.worldbank.org/curated/en/221671616538533362/pdf/Environmental-and-Social-Management-Framework-for-Malawi-Environmental-and-Social-Management-Framework-for-Mozambique-and-Environmental-and-Social-Impact-Assessment-Niassa-for-Mozambique-Executive-Summaries.pdf

animals including products of plant and animal origin as well as for the testing of fish products. The work should take as a starting point the existing facilities, and consider the need to accommodate tests that are not presently covered by MADER and INIP laboratories but are demanded to support trade and should include the need for certification, based on international standards,

c) Design the layout of the infrastructure necessary to respond to INNOQ activities (metrology laboratory), specifically calibration, verification, and testing of measuring instruments,
d) Propose a quality management system that would allow the laboratories to apply for accreditation in the future,
e) Address the physical requirements, according to the identified equipment necessary for an accredited laboratory(ies), to meet international standards,
f) Propose the layout that allows skilled operators to follow the quality system including SOPs, etc
g) Work closely with all relevant organizations/stakeholders involved in the construction of these facilities including supervision of all activities, both the physical works and the installation of equipment and services,
h) Address the need for Accreditation of the above-mentioned laboratories to meet market standards in Mozambique.
i) Carry out an environmental and social assessment to address the potential environmental and social risks and impacts of the project in an integrated manner that will inform the project design. The environmental and social assessment shall include stakeholder engagement as an integral part of the assessment, in accordance with the guidance outlined in project's ESMF, Stakeholder Engagement Plan (SEP) and any other relevant E&S instruments previously prepared for this project. The assessment shall be extensive to any ancillary facilities (quarries, borrow pits, landfill sites) and shall include measures to address potential risks Gender-Based Violence (GBV) and Sexual Exploitation and Abuse (SEA)/ Sexual Harassment (SH). The studies will require the consultant to obtain all the environmental licenses on behalf of the project beneficiaries, as per environmental regulation (Decree 54/2015).
j) The assessment shall evaluate the project's potential environmental and social risks and impacts; examine project alternatives; identify ways of improving project selection, siting, planning, design, and implementation in order to apply the mitigation hierarchy for adverse environmental and social impacts and seek opportunities to enhance the positive impacts of the project.

The design of the aforementioned laboratories should ultimately be a functional facility, that meets the technical requirements and facilitates innovative science. And lastly, the designed layouts must include compartments for administrative activities, recording and tracing samples through the testing facility, training, analytical activities, material and input warehouses, and sanitation.

4.2 The scope phases

The scope of services shall comprise 3 main phases:

- Phase I: Inception Phase, Situational Analysis, Concept Design (Options) and Cost Benefit Analysis (4 months)
- Phase II: Detailed Design, Cost Estimation, Preparation of Standard Bidding Documents and Procurement Support, and development the overall Environmental and Social Impact Assessment (ESIA) (6 months),
- Phase III: Supervision of Constructions Works and Installation of Equipment, Defects Liability Period (18 months for the construction phase and 12 months for the defects liability phase)

The phases and tasks will be outlined in the next sections.

4.2.1 Phase I: Inception Phase, Situational Analysis, Concept Design (Options) and Cost Benefit Analysis

- **Inception Phase**

The Consultant shall submit an inception report within four (4) weeks after the notification of the clearance of the contract signing process, the Consultant shall present the consolidated work plan outlining methodologies, staff scheduling, and a plan to ensure the quality of the services.

The inception report will address the following: a) Methodology, b) Reviews of the Consultant's detailed program of work, showing time, duration, and personnel as well as the interrelationship between activities, c) Proposed methodology for tracking compliance with applicable technical specifications and Mozambique environmental laws and regulations and biosecurity, including the World Bank's Environmental and Social Safeguard Policies.

- **Situational Analysis:**

The consulting firm must evaluate the existing infrastructure and decide if it can meet international standards for an accredited SPS laboratory. Based on the assessment, the concept design can be developed to refurbish or retrofit the existing infrastructure to comply with the standards or to propose the development of a specific purpose-built concept.

- **Concept Design (Options):**

The consultancy is requested to present a Concept Design ("the concept design") and estimated costs for the concept design.

The concept design should be detailed through the:

- visual sketches (architectural concept design drawings),
- floor plans,
- one-page narrative of the concept idea for the architectural design of the three (3) laboratories (for INIP, DNSAB and INNOQ),
- elevations & sections, etc.,
- costs and benefits of the proposals, and
- estimated financial costs of development.

In addition, the concept design should:

- cater to all structural requirements and feasibility aspects of the design,
- include consideration of appropriate spaces for sample receipt and cataloguing, sample preparation, sample analysis separated from sample receipt to ensure the integrity of samples, storage of reference samples and reference material, work areas, etc.
- account for administrative spaces including (but not limited to): administrative support staff, the storage of consumables, storage of hazardous substances for each laboratory, IT support, IT infrastructure, colocation if required of field support staff, etc.
- correspond to the surrounding environment including the existing urban context, where applicable, and should be based on all necessary considerations for the terrain in the land. Furthermore, the concept design should be eco-friendly and climate change resilient. It should be inspiring and futuristic in its overall spatial composition and ambience,
- be considered all local factors such as climatic conditions, sub-soil conditions etc. should for ensuring the structural feasibility of the concept design. External finishing's should

be based on consideration of long-term maintenance aspects, as well as on the longevity of the building/s,

- address security and safety issues, particularly as a level 1 laboratory, able to work with hazardous chemicals, organisms, etc. There should be the installation of appropriate measures to escape from spaces should there be an escape of a contaminant or pathogen, etc. and the design should contain the spread of the contaminant or pathogen, etc. The design should include appropriate flood and fire abatement and ideally have sufficient natural light & ventilation for providing good working conditions, and the building should reflect all the enduring values of the organization in a laboratory and follow its purpose.

A prior environmental and social screening process was carried out taking into account the World Bank Safeguards Policies (WBSP) in order to guide the consultant on the right instruments to prepare (ESIA/SES/ESMP/RAP) and the scope of the E&S assessment for those instruments.
The table below illustrates the different subproject environmental assessment category as per the national regulation and the WBSP screening exercise.

	Institution (Laboratory)	**Environmental categorization**	**Instruments to be elaborated**	**Observation**
1	MADER	A	Environmental and Social Impact Assessment (ESIA)	Including an Environmental and Social Management Plan-ESMP
2	INIP	B	Simplified Environmental Study (SES)	
4	INNQQ	B	Simplified Environmental Study (SES)	

The ESMF includes detailed guidance and recommendation to be prepared the required environmental and social instruments to comply with the national regulations as well as the WBSP.

The consulting firm should undertake a full environmental and social impact study, considering the environmental and social categorization defined by the Ministry of Land and Environment (MTA) and the World Bank's Environmental and Social Safeguards Policies.

- **Cost Benefit Analysis**

The Consultant should, as part of the Phase I report, present various concept design options, carry out a comparative costs-benefit analysis and present clear recommendations on the preferred option and the way forward.

4.2.2 Phase II: Detailed Design, Cost Estimation, Preparation of Standard Bidding Documents and Procurement Support

The Consultancy is required to provide professional inputs, advice, and support to the implementation of the project through the provision of appropriate and fit-for-purpose designs and cost estimates for the SPS institutions (INIP and MADER/DNSAB) and metrology institution (INNOQ).

The tasks include but are not limited to:

The general assignment shall comprise consulting services in Architectural, Structural/Civil Engineering, Services Engineering and Quantity Surveying disciplines. The work involved is mainly expected to be the design, preparation of drawings and construction supervision of the above-mentioned projects. The team is advised to visit and familiarize themselves with the various sites and obtain all necessary information. The Team will prepare and submit (but not limited to) the following:

- **Detailed Design**

The requests to design three modern laboratories (for INIP, DNSAB and INNOQ), considering the geotechnical report that should be produced by the consulting firm of the sites indicated by the owners of the labs. The goal is as far as feasible, the expansion of the existing building (MADER/DNSAB and INIP) and or the erection of a new building to operate the INNOQ laboratory.

- **Drawings and technical specifications**

The consultancy is required to provide the following:

i) The draw of the architectural design of the buildings following acceptable modern professional standards. Full (final) construction drawings are to be ensured that are on appropriate scales,

e.g. 1:100, 1:50, 1:20 and 1:10 as the need arises. The construction drawings will include plans, sections, elevations, and associated details as appropriate. The reviewed architectural details should cover hard (pavements) and soft (grass) landscaping as this is also an important aspect of the project. Analyse the Architectural /engineering soundness of construction drawings and contract documents.

ii) Prepare and finalize the Drawings & Technical Specifications of the approved Design with the clients

iii) Ensure all documentation is compliant with Mozambican laws in development and Construction.

iv) Prepare bidding documents, technical specifications for civil works, facilities and equipment, cost estimates, and applications for development consents and permits with relevant Ministries and Authorities.

v) Provide advice to the clients on the implementation plan.

vi) Provide technical advice to the principal during the bid process, bid evaluation and recommendation for the award of construction and supplier contract(s).

vii) Submission of the relevant documents duly prepared and stamped to all applicable regulatory entities for approval.

viii) Before the above submission, the consulting firm will however take steps to engage, consider and incorporate the requirements of the relevant regulatory agencies as applicable and other stakeholders. This may begin at the general project scope stage as well as after Preliminary approval is received. This is to ensure smooth and timely approval of the subsequent submission after final approval of drawings has been granted by the INIP, MADER/DNSAB and INNOQ.

- **Cost Estimation**

A detailed Cost Estimate and summary of the project shall be submitted showing the total cost for the construction/reconstruction of each laboratory including facilities and equipment. To establish a fair and reasonable estimate of the project cost, the Consultant shall ensure a prepared unit price is analysed for each item using basic cost elements (labour, materials, equipment, tools, overheads, on-site costs, profit, etc.), and the cost of all taxes (direct or indirect, duties, levies and fees are shown separately. The estimated financial cost resulting from this analysis is to be ensured that it is accurate to within +-10% and presented in National currency, Metical (MZN). The cost estimates shall also include the costs for implementation of the Environmental and Social Management Plan (ESMP), and Health Services

Management and Policy (HSMP) programme. The Team will be required to advise on cost-effective and fit-for-purpose designs to fit the Client's budget.

- **ENVIRONMENT SOCIAL IMPACT ASSESSMENT (ESIA)**

An ESMF has been prepared prior to SATCP Approval to frame guidelines and procedures to deal with environmental and social impacts associated with the implementation of this project following both the WB E&SSP and national regulations. Therefore, for the present project 5 of the 10 policies were activated, namely Environmental Assessment (OP/BP 4.01); Pest Management (OP/BP 4.09), Involuntary Resettlement (OP/BP 4.12); Natural Habitats (OP/BP 4.04) and Physical Cultural Resources (OP/BP4.11). The project should also comply with the World Bank Group General Environmental, Health and Safety Guidelines (EHSGs)[2]

According to the environmental and social screening taking into account the World Bank Policies for Environmental and Social Safeguards, the three laboratories were categorized as "B" since all environmental and social impacts are identifiable, measurable and easily mitigated provided that appropriate measures are taken at all stages of implementation of the project and in order to minimize risks, Environmental and Social Management Plans (PGAS) must be prepared for each laboratory.

In parallel, in compliance with the Decree 54/2015 of December 31, regulation on the Environmental Impact Assessment Process, an environmental categorization was performed by the Provincial Environment Services (SPA) of Nampula, taking into account the nature of the activity, technical specifications, location, scale and magnitude of the risks, and it was found that the three laboratories are located within the Municipal Urban structure, their construction or rehabilitation will not require involuntary resettlement and their impacts are not significant and irreversible. However, the MADER laboratory because of its dimension, technical specifications and functionality that will include services of phytosanitary and veterinary analysis will also require other complementary infrastructure such as an incinerator, associated with its location on land with high groundwater levels, given its proximity to a watercourse, may require more consistent mitigation measures and much monitoring.

The first phase of the environmental assessment process consisted of selecting projects for environmental assessment, to define the extent and type of environmental assessment in compliance with the World Bank's Operational Policy, the Environmental and Social Management Framework of the SATCP Therefore, EIA Regulation considers three categories of projects to identify the appropriate level of environmental assessment of environmental assessment:

- Category A: projects likely to cause significant impacts due to activities proposed or the sensitivity of the area, requiring full Environmental and Social Impact Assessment (ESIA) (including an Environmental and Social Management Plan-ESMP).

[2] The EHSG are available for consultation at:https://www.ifc.org/wps/wcm/connect/topics_ext_content/IFC_external_corporate_site/sustainability-at-ifc/policies-standards/ehs-guidelines

- Category B: corresponds to projects which could have negative impacts of short duration, intensity, extension, magnitude and/or significance, requiring a Simplified Environmental Study (SES) and Environmental Management Plan (EMP).
- Category C: projects that do not require an environmental assessment, but that are subject to compliance with the requirements of directives of good environmental management.

For this purpose, the three laboratories were categorized below and the type of environmental and social instrument to be developed was defined.

a) The Scope of the Incorporation of Environmental and Social Aspects in the Consultancy

At this stage, the Firm shall prepare, simultaneously with the executive Project design, the environmental and social instrument for each laboratory, as illustrated in the Table 1, taking into account the categorization made by the Provincial Environment Services and in accordance with the Environmental Impact Assessment Regulations (Decree 54/2015), the Environmental and Social Safeguards Policies (ESSP) of the World Bank applicable to the Project.

i. Establish a mechanism to systematically identify, predict, evaluate, and manage beneficial and adverse environmental and social impacts of the project activities.
ii. design enhancement measures for beneficial impacts.
iii. Recommend and implement mitigating measures for adverse impacts to comply with the requirement of National policies and laws and the World Bank Safeguards Policies.

The overall STCPC, as illustrated in the Environmental and Social Management Framework (ESMF), has been assessed based on World Bank Environmental and Social Safeguards policies and has been classified in category "A". At sub-project level, each laboratory went through a specific environmental and social screening following both World Bank and Mozambican legislation.

For the purposes of the preparation Environmental and Social Impact Assessments (ESIA), the consulting firm or team-leader must have a valid environmental consultant's certification issued by the MTA.

The Consultant in preparing the ESIA should consider the following steps:

i) Preparation of ESIA and SES including ESMP and submission to the Serviços Provinciais do Ambiente (prior to submission of the ESIA and ESMP, public consultation with interested and affected parties should be carried out) for approval and issuance of the environmental permit (MTC-SATCP will be responsible for the payment of the environmental license fee). The ESIA and SES, must including the following but no limited:
   a. Description the biophysical environment and the environmental and social situation in the Project intervention area, which represent the baseline of the Project;
   b. Characterize the Significant Environmental and Social Impacts in the construction process of the laboratories and to provide environmental and social standards for the operation and

maintenance of the infrastructure;

c. The political, legal and institutional framework for environmental management and assessment of impacts relevant to the nature of the project;
d. Institutional modalities for consideration of environmental and social aspects in the implementation of sub-projects / activities at the community level;
e. Identification, evaluation, and measurement the extent of positive and negative impacts and direct and indirect environmental risks in the Project's areas of intervention
f. Include the impact on people by the specific activities of the project, including public health (malaria, schistosomiasis, other forms of water-related diseases and pesticide misuse) and proposed appropriate mitigation measures.
g. Ensure the stakeholder engagement plan includes disadvantaged/vulnerable groups and individuals and has differentiated measures to enhance participation/engagement and share in project benefits (strengthen opportunities for citizen engagement especially at local level to foster social cohesion, service delivery, and accessible GRM), independent consultations with women should be organized in safe and confidential spaces with female facilitators.
h. Designing environmental and social instruments with emphasis on: (a) Occupational Health and Safety Plans (OHS), Codes of Conduct, Good Practice Manuals (GPGs), (d) Stakeholders Engagement Plan (SEP), and other instruments deemed pertinent to mitigate, avoid or compensate potential negative impacts identified in the ESIA, SES and ESMP, containing a schedule, indicative budget and resources necessary for their implementation;
i. Checklist of types of impacts and corrective actions to avoid and/or mitigate them. The consultant will present, in annex, a table containing the types of impacts and the appropriate mitigation measures taking into account the typology of constructions the border posts given above, and social issues/risks above. They must also propose, as far as possible, actions for the improvement of the environmental and social conditions in the areas of intervention of the project;
j. Develop guidance for contractor's prepare and implement a traffic safety plan, Site security plan, and Quarry, Borrow pit and dump site management and rehabilitation plan, Public Safety and Health Plan (PHSP), Traffic Management Plans, Medical Waste Management Plans.
k. Propose mitigation measures to prevent and minimize Gender-Based Violence (GBV) and Violence Against Children (VAC) with proposed preventive and mitigation strategies;
l. Develop guidance for contrcator's to implement the project's Codes of Conduct (COC), GBV Action Plan, Grievance Redress Mechanism (GRM).
m. Framework for participatory monitoring and evaluation of programs as set out above to ensure effective and efficient implementation of the environmental and social issues highlighted in the ESIA;
n. Description of the mechanism and institutional arrangements for the implementation of the ESIA, SES and preparation of the ESMPs, specifying the roles and responsibilities of the agencies and all actors (central, regional / local, municipal and village) involved in the implementation;

o. Evaluation of the capacities of the governmental and local implementing agencies involved in the implementation of the ESIA, SES and sensitization on the environmental and social issues of the project and propose appropriate measures for sensitization, institutional strengthening and/or technical capacity building different actors;
p. Description the monitoring and evaluation mechanism to ensure systematic and effective monitoring of the main ESIA recommendations;

All documents to be submitted to the Provincial Environment Services must comply with the environmental and social management tools established in the Project. Before submission of the documents the Consultant shall share with the MADER and MTC- SATCP for No Objection. Before the execution of the works the selected contractor must prepare and present a C-ESMP, which will be implemented throughout the Project implementation activities.

An overarching Environmental Social Management Framework (ESMF) has been prepared for SATCP with clear recommendations for the environmental and social impacts of such works. In addition, a Resettlement Policy Framework (RFP) have also been prepared.

The recommendations mentioned in the ESMF, and mitigation measures proposed need to be adequately integrated in the Conceptual Design process to ensure that the environmental and social issues are addressed properly in accordance with the national legislation and regulations of the Republic of Mozambique and the applicable WB standards.

TENDER DOCUMENTS

The Consultant shall be responsible for preparing the Tender Documents that will allow the SATCP to launch a single tender, which will also incorporate the environmental and social specifications for contractor's to prepare and implement the C-ESMPs including qualified E&S personnel and costs to ensure full compliance with the ESIA/SES/ESMPs to be prepared under this consultancy.

- **Preparation of Standard Bidding Documents and procurement Support for the tendering of Civil Works and Supply of Goods:**
  i) Provide information to the client to enable the compilation of Standard Bidding Documents. Support the Client in the invitation of tenders and support the issuing of bidding documents by the Client. Respond to all requests for clarification and additional information through the Client. The Client together with the consultant shall carry out an evaluation exercise.
  ii) Evaluate the bids together with the Client and report on tenders with the incorporation of environmental and social aspects

iii) Prepare contract documents and arrange for their signature by the Client and contractor/ equipment supplier.

4.2.3 Phase III: Supervision of Constructions Works and Installation of Equipment, Defects Liability Period

The Consultancy accepts that the Supervision component indicated in the Scope of Works is not automatic but is subject to variables to include inter alia review of the Consulting firm's performance and the successful completion of Phase I and II leading to the award of the civil works and supplier contracts.

The Supervision of construction works includes:

i) Establishment of a positive and amicable, but impartial, liaison with the construction Contractor which shows no conflict of interests,
ii) Daily site visits and overview of progress, with particular attention to ensuring the Contractor's adherence to the design and construction drawings and specifications,
iii) Ensure that the contractor is in compliance with C-ESMP and RA, if any,
iv) Review and comment upon the Contractor's works program,
v) Written records of all powers and duties exercised under the construction contract to be celebrated,
vi) Keeping the principal informed as soon as practicable of all significant developments in the works or exercises of its powers as project supervisor,
vii) Ensuring the Contractor's complete and timely compliance with the works program concerning the works,
viii) Random (but at least fortnightly), scrutiny of the Contractor's daily records, material-testing results, batch records, set-out survey records etc.,
ix) Random sampling and testing of Contractor's materials to ensure compliance with the specifications,
x) Advise the principal or the principal's authorized representative of matters of concern,
xi) Prepare Pro-forma supervision reports with support photos for the principal,
xii) Review and make recommendations on any claims submitted by the Contractor for additional payments and extensions of time, and
xiii) Conduct formal site meetings with the Contractor and keep minutes of matters of concern.

xiv) The consultant shall ensure that the construction methods proposed by the contractor for carrying out the works comply with the provisions set out in the laboratories' Environmental and Social Management Plans (ESMP) and the project's previously prepared E&S instruments (ESMF, ESCP, SEP, RPF), following the World Bank's Environmental and Social Standards (ESS) and the WBG's EHS Guidelines

xv) Examining the construction methods statement proposed by the contractor including approval of the Contractor's Environmental and Social Management Plan (C-ESMP) as well as any specific Occupational Health and Safety (OHS) plans, Community Health and Safety (CHSP), Traffic Management Plan (TMP), Labour Management Procedures (LMP), the consultant will ensure that the Contractor's E&S personnel is consistent with the bid's specification and the overall E&S risk management requirements;

xvi) The consultant must ensure that the construction methods as proposed by the contractor for carrying out the works comply with the provisions laid out the subproject's Environmental and Social Management Plans (ESMP) and project's E&S instruments to be prepared (ESIA, SES).

During Phase III, defects liability period, the Consultant shall also be required to:

- Ensure that the contractor and equipment suppliers submit as-built drawings and maintenance manuals for any equipment or specialist services installed as part of the construction works.
- Prepare an operation and maintenance plan for each laboratory with a cost estimate.
- Provide training and technical briefings to the Client and the responsible Laboratory staff in operation and maintenance aspects including but not limited to the physical infrastructure, plumbing installations, electrical installations and all the equipment installed within the buildings and/or sites This cost must be built into the consultants' fees.

E&S consultant's obligations Ensure that all environmental and social requirements or any additional measures identified during implementation, including measures related to E&S risk mitigation, are reflected in the implementation and monitoring plans as well as in the contractors' contracts before the start of any field works activities

Ensure the implementation of the measures proposed in the Environmental and Social Management Plan (ESMP) and Environmental, Social, Health and Safety (ESHS), including the Ensure the contractor has

an adequate Environmental and Social Management Plan (ESMP), which shall include a Contractor's Health and Safety Plan in accordance with ISO 45001:2018 or equivalent with its schedule, budget and work plan and integrates the requirements of the ESMP and review and approve the Contractor's Environmental and Social Management Plan (ESMP), including all updates and revisions. No work shall commence on site prior to approval of the C-ESMP and Method Statement.

- Ensure that no civil works shall commence until the C-ESMP has been cleared;
- Monitor and supervise the implementation of the Contractor Environmental Social Management Plan (C-ESMP) to ensure that the Contractor is implementing the mitigation measures, attaining the monitoring indicators established in the site specific ESMP and to verify the Contractor's compliance with ESHS requirements including its GBV/SEA/SH obligations, with and without contractor and/or client relevant representatives, as necessary, but not less than once per month.;
- Undertake audits and inspections of Contractor's accident logs, worker's contracts, including codes of conduct, grievance logs, monitoring findings and other ESHS related documentation, as necessary, to confirm the Contractor's compliance with ESHS requirements;
- Ensure that the contractor develops: (i) Codes of Conduct that prohibit SEA/SH and outline applicable sanctions, and (ii) SEA/SH Prevention and Response Action Plan to mitigate and respond to project-related SEA/SH risks on project work sites and within the surrounding communities.

5. Deliverables and outputs

The firm will work in close collaboration with the local municipal authorities, and the key stakeholders are DNSAB-MADER, INNOQ, and INIP. The services will be delivered over a period of 40 months and divided into three stages, as follows:

- Phase I: Inception Phase, Situational Analysis, Concept Design (Options) and Cost Benefit Analysis (4 months), as well as Inception Report of the Environmental Study and draft of the Environmental and Social Study
- Phase II: Detailed Design, Cost Estimation, Preparation of Standard Bidding Documents and Procurement Support, should include the budget for preparation of two (2) simplified environmental studies and one (1) environmental and social impact assessment (6 months).
- Phase III: Supervision of the Constructions Works and the Installation of Laboratory Operating Equipment (18 months' construction period) and 12 months Defects Liability Period. Therefore,

an environmental team must also be included to do the environmental supervision and social monitoring.

The Consultant shall produce a series of reports in Portuguese and English language during the services. These reports shall be submitted to the Project Implementation Unit (PIU) at the MTC through its Coordinator of it according to the following schedule and in the following quantities. These are merely indicative and do not preclude additional reports that the Consultant may be required to prepare within this consultancy. In addition to 4 hard copies, the Consultant will also be required to submit reports in acceptable electronic formats (e-copy in CD or memory stick/flash disk). The Consultant shall allow for a maximum of 15 days period in between the submission of reports and review by the Client.

The consultant must present separately the three environmental and social instruments being one for each laboratory with a purpose of submission to the MTA for approval and for obtaining the required environmental licenses.

The envisaged schedule of the assignment should encompass the following stages, with an indicative timeline, and the payments will be done in the same order:

Table 2: Time Schedule for Deliverables and Reporting Requirements

Deliverables Phase I	**Description**	**Output**	**Date of Submission**
Inception report	Brief report (max 15 pages) with initial findings of the inception phase	4 hard copies + electronic soft copy English and Portuguese language	1 month after commencement date
Concept design option report and cost benefit analysis	Report to describe the situational analysis, propose design options, cost-benefit analysis and recommendations.	4 hard copies + electronic soft copy English and Portuguese language	4 months after the commencement date

Deliverables Phase II	Description	Output	Date of Submission
Detailed Design Report, Cost Estimate and Environment Social Management Plan	Design Report, Book of Drawings and Specifications, Priced c and ESMP	4 hard copies + electronic soft copy English and Portuguese language	9 months after the commencement date
Environmental and Social Impact Study Report	ESIA study report	4 hard copies + electronic soft copy English and Portuguese language	10 months after the commencement date
Draft Bidding Documents for Civil Works and Specifications for Facilities and Equipment.	Bidding documents including environmental and technical specifications, Bills of Quantities, schedules and ESMP	4 hard copies + electronic soft copy English and Portuguese language	10 months after the commencement date

Deliverables Phase III	Description	Output	Date of Submission
Monthly Progress Report (18 progress reports)	Report describing physical financial progress and ESHS compliance monitoring including bio-safety issues, including minute of monthly site meetings	4 hard copies + electronic soft copy English and Portuguese language	Within 10 days of the month following the reporting period
Special reports	Some events occurring may require special	4 hard copies + electronic soft copy	Within 10 days after the event occurred

	reports to clarify the situation, including: any design changes found necessary, delays in project implementation, accidents or incidents on site, and recommended actions.	English and Portuguese language	
Operation and Maintenance Plan, Cost Estimates and Manuals	These documents should guide and capacitate the beneficiary in planning, costing and conducting future operations and maintenance.	4 hard copies + electronic soft copy English and Portuguese language	10 months after the start of the Defects Liability Period
Draft and Final Project Report with a complete set of as-built drawings	Project completion reports and final accounts.	4 hard copies + electronic soft copy English and Portuguese language	11 months after the start of the Defects Liability Period (draft) and 12 months after the start of the Defects Liability Period (final)

The consulting firm must be able to carry out work during this period of travel uncertainty, and contingency plans must be part of the approach to the assignment.

6 Consultancy fees and Payments

Phase I and II are paid under a lump sum contract		
Item	**Deliverable**	**Payment Percentage**
1	Inception report	20%
2	Situational Analysis, Concept Design and Cost Benefit Analysis	30%
3	Detailed Design, Cost Estimation Drawings and technical specifications Cost estimation Preparation of Standard Bidding Documents and procurement Support	40%
4	• Tender Evaluation Report and Draft Contract Agreement	10%

	Total lump sum payment	**100%**
Phase III are paid under a time-based contract		
5	Monthly payments based on the approval of monthly reports during the period of construction (18 months)	Monthly payments based on approved timesheets
6	Final payment based on the approval of draft and final project report and submission of operation and maintenance manuals to be paid at the end of the defects liability period.	Final payment based on approved timesheets

Table 1 Payment proposal according to deliverables

7 Client's Input and Counterpart staff

The consultants shall be responsible for the provision of their office accommodation and all office utilities necessary for the carrying out of the assignment.

The client shall have the following duties and responsibilities:

- Provide all available site survey drawings;
- Provide a map indicating the location of the site;
- Describe the administrative arrangements for the carrying out of the assignment;
- Make timely decisions on all reports and recommendations of the consultants and other matters affecting the carrying out of the assignment and ensure that delaying factors that are beyond its control are mitigated; and
- Subject to the laws of the country, assist the Consultant to liaise with the immigration and other authorities for the issuance of permits for the entry of personnel and equipment essential for the performance of the services.

7.1 Documents to be provided by the Client

The Client shall provide the following documents:

- The location map and topographic survey map,
- Weather and Geotechnical data as available,
- Environmental and Social Management Plan (ESMP) and Environmental and Social Guidelines (ESGs) for contractors

7.2 Counterpart Staff

Due to the diverse nature of the assignment, the firm will be under the general coordination of the SPS stakeholders (DNSAB-MADER, INNOQ, and INIP) and direct supervision of the PIU (project implementation unit) and World Bank Group.

8 Team qualification, knowledge, and experience

For this consultancy, the firm must have a technical team that includes various staff positions as outlined in Tables 3 and 4 below.

The firm should demonstrate experience in the planning and operation of accredited laboratories according to ISO/IEC 17025 standards. Must have proven technical capacity and experience in the design and construction supervision of new buildings, of incorporating environmental and social aspects in the Project and have team members with the ability to communicate in verbal and written Portuguese and English.

Table 2: Phase I and II Key Experts

S. No.	Key Position	Minimum Qualification and Professional Experience Required
Phases 1 and 2		
K.1	Team Leader/ Civil engineer	**Qualifications:** Minimum a Bachelor's or Degree in Civil Engineering and registered with a Professional Organization.
		General work experience: • Experience in working with international or regional org./agencies: Preferable, • Domain of computer platforms for the design of buildings and equipment associated with the project is preferable.
		Specific work experience: • Minimum 15 years of experience in the field of application. The candidate must also have at least 10 years‟ of experience as a Team Leader including the design and supervision of construction and/or rehabilitation of multi-purpose building infrastructure.

S. No.	Key Position	Minimum Qualification and Professional Experience Required
Phases 1 and 2		
		• Mminimum 15 years' experience in planning, designing public building projects, including maintenance of building structures, and facilities
		Language: with proficiency in Portuguese and English
K.2	Architect	**Qualifications:** Architect specialist, with a minimum Bachelor's degree.
		General work experience: • With at least 10 years of experience in designing, plumbing, lighting and ventilation systems to be effective, biosecurity and safe for any laboratory. • Have prepared a minimum of 3 similar infrastructure projects • Experience in working with international or regional org./agencies:
		Specific work experience: • Minimum of 5 years in the elaboration of projects of reference laboratory buildings is an advantage and one must work closely with an experienced specialist in laboratories accredited with ISO/IEC 17025.
		Language: Proficiency in Portuguese and English.
K.3	Electrical engineer	**Qualifications:** Minimum BSc in Electrical Engineering or a related field with professional registration
		General work experience: at least 10 years of proven relevant experience with the design, assembling, installing, maintaining and modifying electrical systems in multi-purpose buildings
		Specific work experience: • Successfully completed a minimum of two similar projects, in a similar role and with a similar scope of work in the last 10 years • Experienced user of design software; • Experience with designing electrical systems for laboratories will be considered an advantage.
		Language: proficiency in Portuguese and English.
K.4	Hydraulic Engineer	**Qualifications:** Degree in Civil, Electrical and Hydraulic Engineering
		General work experience: Minimum of 10 years of experience the design, installing, maintaining and modifying of hydraulic systems for multi-purpose buildings.
		Specific experience: • Having carried out at least two similar projects in a similar position and role in the last 5 years • Experienced user of design software
		Language: proficiency in Portuguese and English.

S. No.	Key Position	Minimum Qualification and Professional Experience Required
Phases 1 and 2		
K.5	Specialist in metrology	**Qualifications:** Bachelor's in professional metrology, a Bachelor's in physical sciences, mathematics, industrial technology, computer science, engineering, or a field related to scientific measurement.
		General work experience: Minimum of 5 years of work experience. Experience in implementation of ISO/IEC 17025 standard.
		Specific work experience: • Minimum 10 years working in metrology laboratory; • Experience in the validation of metrology methods
		Language: proficiency in Portuguese and English.
K.6	Specialist in Agricultural/fisheries laboratory	**Qualifications:** Degree in Chemical, Microbiology, biology, veterinary or area related to food science.
		General work experience: Minimum of 15 years of experience working in food area. Experience in working with international or regional org./agencies:
		Specific work experience: • Minimum of 10 years of experience participating in projects for the construction of laboratories for microbiological testing of food products. Is an advantage to have worked closely with an experienced specialist in ISO/IEC 17025; • Minimum 5 years proven knowledge to elaborated projects of reference laboratories buildings, it´s an advantage to work closely with an experienced specialist in the laboratory related to the ISO/IEC 17025 experience in the food laboratory.
		Language: proficiency in Portuguese and English.
K.7	ICT Specialist	**Qualifications:** Degree in informatics or electronic engineering.
		General work experience: ICT engineering for designing and installation of ICT equipment in the laboratory
		Specific work experience: Minimum of 5 years of work experience, and an academic background in constructing for metrology and animal laboratory. • must achieve the following: • Reduce manual paperwork to the minimum. • Consistency guaranteed, linked to HACCP policy to ensure full compliance. • One central database to access and store all your safety checks, notes and records. • Actionable data from automated reports and dashboards to take strategic action. • Quick access to records and data for busy managers and chefs.

S. No.	Key Position	Minimum Qualification and Professional Experience Required
Phases 1 and 2		
		• No manual appliance recording**.** Temperatures are recorded automatically every 15 minutes. • Temperature warning alerts, prevent unnecessary waste.
		Language: proficiency in Portuguese and English.
K.8	Industrial Cold Equipment Technician	**Qualifications:** Completed technical-professional level. A higher level in electrical engineering will be considered an advantage.
		General work experience: 5 years of experience in the design, assembly and maintenance of industrial refrigeration (cold) equipment.
		Specific work experience: years of experience in the design, assembly and maintenance of industrial refrigeration (cold) equipment of laboratory testing food.
		Language: Fluent in Portuguese.
K.9	Environmental specialist (team leader for environmental impact assessment	Bsc (Master's Degree is an advantage) in Environmental Sciences or Engineering, with certification in ISO 45001:2018 or equivalent. and complementary training on safety and health coordination at work a, recognized by the competent authority for the verification of working conditions. Minimum of 10 (ten) years of professional experience in with experience in biosafety and environmental management of laboratories, plus five (5) years of minimum proven experience in the project safety and health coordination function. Experience with environmental screening and risk categorization, conducting Environmental Impact Assessments (EIA), preparation of Environmental Management Plan (EMP) in projects in developing countries using WB environmental safeguard standards, especially the Environmental Assessment (ESS1) and General Environmental, Health and Safety Guidelines (April 2007) Familiar with the environmental (for example natural resource and wildlife management issues), social, economic and occupational health and safety conditions prevailing in Mozambique, or have relevant experience from other countries with similar socio-economic and environmental characteristics Knowledge of the Portuguese Language will be an advantage.
K.10	Environmental Health and Safety Specialist	Minimum of 5 years accumulated experience in the last 10 years in a similar position and role, covering. Experience in use of General Environmental, Health and Safety Guidelines (April 2007), experience in elaboration of Labour management plan Knowledge of the Portuguese Language will be an advantage.
K.11	Social Development Specialist	Degree in Social Sciences or alike, with a minimum of 5 years of relevant professional experience with social screening and risk categorization, conducting Social Impact Assessments (SIA), preparation of Social Management Plan (SMP) for Infrastructure construction projects in

S. No.	Key Position	Minimum Qualification and Professional Experience Required
Phases 1 and 2		
		developing countries using WB environmental safeguard standards, experience working with local stakeholders and other project partners to coordinate cohesive and integrated communication strategies to mitigate social risks, build capacity of team and local partners, lead participatory processes, communications and advocacy, experience in stakeholder engagement, community health and safety, labour management (including terms and conditions of work). Relevant professional experience with gender-based violence (GBV), sexual exploitation and abuse (SEA), sexual harassment (SH)

Phase I and II will be carried out under a lump sum contract. The effort of key-experts time input for Phase I and II of the assignment is estimated at 26 person months. The Consultant should make his own assessment of the staffing inputs required to carry out the tasks for this part of the assignment however, as a minimum, the Consultant should maintain the key expert staff positions outlined in the aforementioned table. Only CVs of these key experts will be evaluated. Other non-key experts may be added but their CVs will not be evaluated.

Table 4: Phase III Key Experts

No.	Key Position	Minimum Qualifications and Experience Required
1	Team Leader / Resident Engineer	• Degree in Civil Engineering, • Minimum of 10 years of experience in the supervision of Civil Construction Works, in particular public buildings;

	One (1)	• Domain of computer platforms for dimensioning buildings and equipment associated with the project; • Specific experience: having carried out at least one similar project in a similar position in the last 5 years. Experience with OHS • Fluent in Portuguese.
2	Three (3) Works Inspectors	• Technical-professional level completed in the field of Civil Construction • Minimum of 5 years of experience in the supervision of Civil Construction Works, in particular public buildings; • Specific experience: having carried out at least one similar project in a similar position in the last 5 years. • Experience with OHS • Fluent in Portuguese
3	Environmental specialist	• BSc (Master's Degree is an advantage) in Environmental Sciences or Engineering, and complementary training on safety and health, Certification in ISO 45001:2018 or equivalent coordination at work, recognized by the competent authority for the verification of working conditions. • Knowledge of the national E&S regulatory framework, as well as WB policies and guidelines, or similar, is mandatory • Minimum of 10 (ten) years of professional experience in water supply and sanitation projects, plus five (5) years of minimum proven experience in the project safety and health coordination function. • Knowledge of the Portuguese Language will be an advantage.
4	Social and GBV officer	• Degree in Social Sciences or other relevant area; • Minimum of 2 years of relevant professional experience with Gender Based Violence (GBV), Sexual Exploitation and Abuse (SEA), Sexual Harassment (SH) prevention and response interventions, including knowledge of survivor care principles in line with a survivor-centered approach and ethical management of survivor data; • Training in social issues will be an advantage. • Experience in infrastructure projects with hydraulic components will be advantageous. • Experience in community and stakeholder engagement • Should possess good working communication skills in Portuguese and English.
5	Environmental, Health and Safety Officer	• Technical professional degree in Environmental or other relevant area, • Training in health and safety will be an advantage • At least two years working experience in preparation, management and implementation of Environmental, Social, Health and Safety Plans for construction works. Experience in infrastructure projects • Familiarity with the WB ESF (particularly ESS2, ESS4 and ESS5) and IFC Environmental, Social, Health and Safety guidelines (e.g.

		Environmental, Occupational Health and Safety, Community Health and Safety, Construction and Decommissioning) and Environmental and Social National Regulatory Framework will be advantage. • Should possess good working communication skills in Portuguese and English.

Phase III will be carried out under a time-based contract. The Consultant's proposal must include the minimum Key Experts' time-input (88 person-months) as provided in the aforementioned table (and specified under ITC 14.1.3). The positions of Team Leader / Resident Engineer, Work Inspectors (3) and ESHS Specialist should be fulltime during the construction supervision period and may be reduced to part-time during the defects liability period.

The firm will be evaluated based on the criteria detailed below:

Table 5: Technical evaluation criteria

Methodology and Work Plan	**35%**
• Clarity and detail in technical approach and methodology for the scope of work including but not limited to the list of anticipated challenges in design and implementation, strategies to overcome them, clear deliverables and milestones, and quality of project management. • Detailed work plan and schedule of activities. • Comments and suggestions on the TOR (e.g., the feasibility of the project scope, timeline, relevance).	
Corporate Capability	**10%**
• Firm's organization, the scope of services provided, international presence, number, and types of staff employed. • Previous relevant projects with World Bank, UN, or other similar organizations.	

• Depth and breadth of contacts in the government agencies and traders dealing with SPS and TBT measures for potential respondents and ability to engage respondents. • Experience in the field of environmental and social impact assessments and World Bank environmental and social safeguards policies	
Relevant Experience and Expertise of Proposed Team	**40%**
• Skills and level of experience of staff proposed to be involved in the assignment. • Availability and distribution of work across the proposed team • Experience in the elaboration of environmental and social impact studies in the country, taking into account the Decree No. 54/2015: Regulation on the Process of Environmental Impact Assessment	
Risks, Challenges, and Mitigation	**15%**
• Identification of anticipated challenges in setting up the infrastructure, procurement, and capacity enhancement of the relevant agencies. • Specific strategies and innovative thinking to propose to mitigate the identified challenges	
Total	**100%**

9 Selection Criteria

The firm shall be approved based on the selection method of the World Bank Procurement Regulation in November 2020. The main criteria for the selection will be relevant work experience and qualifications. Interested firms must send a letter of expression of interest and suitability for the post as well as the Curriculum Vitae, not exceeding five pages, with contact details of three references.

10 Contract duration

The duration of the consultancy is 40 months (includes the feasibility study, the executive project, supervision of the works and monitoring of the correction of defects) from the effective date of the contract.

The consultant must work closely with the project beneficiaries (MADER, INIP and INNOQ), who must ensure the socialization of the project and support communication with relevant governmental and non-governmental institutions.