

**REQUEST FOR EXPRESSIONS OF INTEREST  
(CONSULTING SERVICES - FIRMS SELECTION)**

**HASHEMITE KINGDOM OF JORDAN**

**JORDAN WATER SECTOR EFFICIENCY PROGRAM**

[IBRD Loan No. 9560-JO, CFF TF No. TF0C1892, AFD No. CJO 1141 01P](#)

[Assignment Title:](#)

[Construction Supervision of Al Zumleh - Al Za'atari Design-Build Water Pipeline Contract, and Preparation Of Detailed Design, Environmental And Social Studies, And Tender Documents For Taibah District - Irbid.](#)

[Reference No.: JO-YWC-489764-CS-QCBS](#)

The Ministry of Water and Irrigation has received financing from the International Bank for Reconstruction and Development (World Bank), the Agence Française de Développement (AFD) and Global Concessional Financing Facility (GCFF) in the amount of US\$300,000,000 to be managed by the World Bank, toward the cost of the Jordan Water Sector Efficiency Project, and it intends to apply part of the proceeds to payments for consulting services to be procured under this project.

The consulting services (“the Services”) is to provide professional technical services to support the following activities (i) Construction supervision of a design and build contract for a transmission pipeline from Al Zumleh Reservoir to Al Za’atari Pumping Station with a nominal diameter of DN 800/700 mm and an approximate length of 20 Km, including all associated civil, mechanical, electrical, and environmental and social components required for full operational functionality. (ii) Detailed design, environmental and social studies, and tender documents preparation for Taibah District in Irbid governorate.

The consultant shall ensure that all designs and supervision activities are technically sound, economically justified, environmentally responsible, and in full compliance with national standards and World Bank requirements. The outcome should contribute to enhanced service reliability, improved water conservation, and long-term operational sustainability in Irbid Governorate.

The TOR full version can be found on Yarmouk Water Company (YWC) website at the following link <https://www.yw.com.jo/Tenders.aspx>

The Yarmouk Water Company (YWC) 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. Consultant Brochures may also be included in the EOI. The shortlisting criteria are:

1. Similar assignments for supervision of Design and Build contracts, preferably in similar conditions, in the past 10 years.
2. Similar assignments for Environmental and Social Studies in the past 5 years.
3. Similar assignments for water network design and preparation of tender documents in the past 5 years.
4. The firm’s core business and general experience to be in water sector
5. Years in business and overall competence in relevance to this assignment.
6. Long list of the relevant technical staff of the consulting firm
7. The firm’s positive financial capability/performance.

**It is preferable to limit the EoI to a maximum of 50 pages.**

Please note that at this shortlisting stage: Technical and financial proposals are not requested. Key Experts, if proposed for the assignment, will not be evaluated. Request for clarifications on the EOI shall not be replied to.

The shortlist will contain 6 to 8 firms.

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.

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.

The Applicant’s attention is drawn to the following:

1. National consulting engineering firms, regardless of whether JV member or Sub-Consultant, shall satisfy the requirements as defined in this request for Expression of Interest and classified as **1st grade –A in water and sewage and 1st grade A in the field of environment by government tender department.**
2. International consulting firms shall satisfy the requirements set out in this request for Expression of Interest (REOI), and, if shortlisted, in the subsequent Request for Proposal (RFP). If awarded the contract, the international consultant shall comply with the Country’s tax laws as applicable;

Shortlisted Consultants will be invited to submit their proposals, upon which a Consultant will be selected in accordance with the (QCBS) described in the “World Bank Procurement Regulations for IPF Borrowers”, dated November 2020" and to be specifically set out in the Request for Proposals.

Further information can be obtained in writing through the email address below at the address below during office hours (8:00 am to 4:00 pm Jordan Time).

Expressions of interest must be delivered in a hard copy to the address below and/or by below email(s) by July 27, 2026, 12 pm Jordan time.

Recipient(s):

To Bassam Jarboo, Procurement Manager

**Email:** [bassam\\_jarboo@yw.com.jo](mailto:bassam_jarboo@yw.com.jo)

TO: Abdelhadi Bataineh, Procurement Directorate

**Email:** [Abdelhadi\\_bataineh@yw.com.jo](mailto:Abdelhadi_bataineh@yw.com.jo)

Address: **Tenders and Procurements Department EOI Title – Bidder Name**

**Yarmouk Water Company Irbid, Baghdad St. P.O. Box 3798 Irbid 21110 Jordan**

**HASHEMITE KINGDOM OF JORDAN**  
**Ministry of Water and Irrigation**  
**Water Authority of Jordan**  
**Yarmouk Water Company (YWC)**

**JORDAN WATER SECTOR EFFICIENCY PROGRAM**  
**Loan No. 9560-JO**



**JO-YWC-489764-CS-QCBS**  
**Terms of reference**  
**CONSULTANCY SERVICES**

**CONSTRUCTION SUPERVISION OF AL ZUMLEH - AL ZA'ATARI**  
**DESIGN-BUILD WATER PIPELINE CONTRACT**  
**AND PREPARATION OF DETAILED DESIGN, ENVIRONMENTAL**  
**AND SOCIAL STUDIES, AND TENDER DOCUMENTS FOR TAIBAH**  
**DISTRICT - IRBID**

**JORDAN - MAFRAQ AND IRBID**  
**April 2026**

## A. BACKGROUND

The Ministry of Water and Irrigation has received financing from the International Bank for Reconstruction and Development (World Bank), the Agence Française de Développement (AFD) and Global Concessional Financing Facility (GCFF) in the amount of US\$300,000,000 to be managed by the World Bank, toward the cost of the Jordan Water Sector Efficiency Project, and it intends to apply part of the proceeds to payments for consulting services to be procured under this project.

The World Bank funded project will have the following components:

- **Component 1: Sustainable Non-Revenue Water (NRW) Reduction**
- **Component 2:** Increased energy efficiency and reduced energy supply costs
- **Component 3:** Water security measures to underpin efficiency improvements
- **Component 4:** Institutional strengthening for water sector Efficiency
- **Component 5:** Contingency Emergency Response

- Component 1 of the project “Sustainable Non-Revenue Water (NRW) Reduction - Aims at (i) rehabilitation or replacement of the water supply network including reconfiguring the network into hydraulically isolated District Metered Areas (DMAs), replacement of household connections, installation of customer and bulk meters, regulation and maintenance of water pressure within the network, and systematic leakage identification and repairs, and (ii) support to preparatory studies and activities for NRW sub-projects.

- The works consist of the following parts:
  - a) Sustainable non-revenue water reduction
  - b) Modernized systems for sustaining NRW reduction
  - c.) Community engagement to improve financial sustainability, collections efficiency, and demand control

A Project Management Unit (PMU) is established at the (Jordanian water companies / YWC) over the implementation period of five years. The PMU shall be responsible for the management of project activities including fiduciary operations, contract management and the administration of the projects funds as well as implementation and monitoring of the environmental and social requirements and instruments.

The current Terms of Reference (ToR) are proposed under Component 1 of the project –NRW and will describe the assignment’s requirements and objectives.

## B. PROJECT LOCATION AND DESCRIPTION

This consultancy assignment covers **two separate project tasks located in two different governorates in the Hashemite Kingdom of Jordan, namely Al Mafraq Governorate and Irbid Governorate.**

**Task 1 is located in Al Mafraq Governorate, in the northern and northeastern part of Jordan.** Al Mafraq is one of the largest governorates in the Kingdom by area and is characterized by wide desert and semi-desert terrain, open land, and dispersed infrastructure corridors. The governorate forms an important strategic area for water transmission and regional infrastructure due to its geographic extent and connectivity to major facilities and border regions. Al Mafraq is located approximately 75–85 km northeast of Amman, depending on the specific project location and route. **The works under this task relate to the construction supervision of the design and build of a new water transmission pipeline connecting Al Zumleh Reservoir to Al Za’atari Pumping Station, which is considered an important transmission link within the water supply system.**

**Task 2 is located in Irbid Governorate, in the northern part of Jordan.** Irbid is one of the most populated governorates in the country and is characterized by a mix of urban, peri-urban, and agricultural areas. The governorate includes established residential communities, cultivated lands, and relatively dense service networks compared to more remote regions. Its terrain is generally more developed and populated, with increasing demand for infrastructure improvement and service efficiency. Irbid is located approximately 80–95 km north of Amman, depending on the exact destination within the governorate. **This task covers the detailed design, environmental and social studies, and preparation of tender documents for Taibah District,** with the objective of supporting future water network improvement works in the area.

**Accordingly,** the assignment combines two different but complementary types of consultancy services in two distinct geographical contexts. The first component in Al Mafraq Governorate relates to implementation-stage services, specifically construction supervision for a strategic transmission pipeline project. The second component in Irbid Governorate relates to project preparation-stage services, specifically detailed design, environmental and social studies, and tender document preparation for future water infrastructure improvements.

**The general scope of the consultancy includes, but is not limited to, the following:**

**acontract for**Task 1: Construction supervision of design and build a transmission pipeline from Al Zumleh Reservoir to Al Za’atari Pumping Station

including of designs by DB contractorcontract execution ,This task includes construction supervision, design review and approval, contract administration, environmental and social supervision, testing and commissioning oversight, and defects liability monitoring for the Design-Build contract of a new transmission pipeline connecting Al Zumleh Reservoir to Al Za’atari Pumping Station. The pipeline has a nominal diameter of DN 800 / DN 700 mm and an approximate length of 20 km, including all associated civil, mechanical, electrical, instrumentation, control, and ancillary works required for full operational functionality.

**Task 2: Detailed design, environmental and social studies, and tender documents preparation for Taibah District in Irbid governorate**

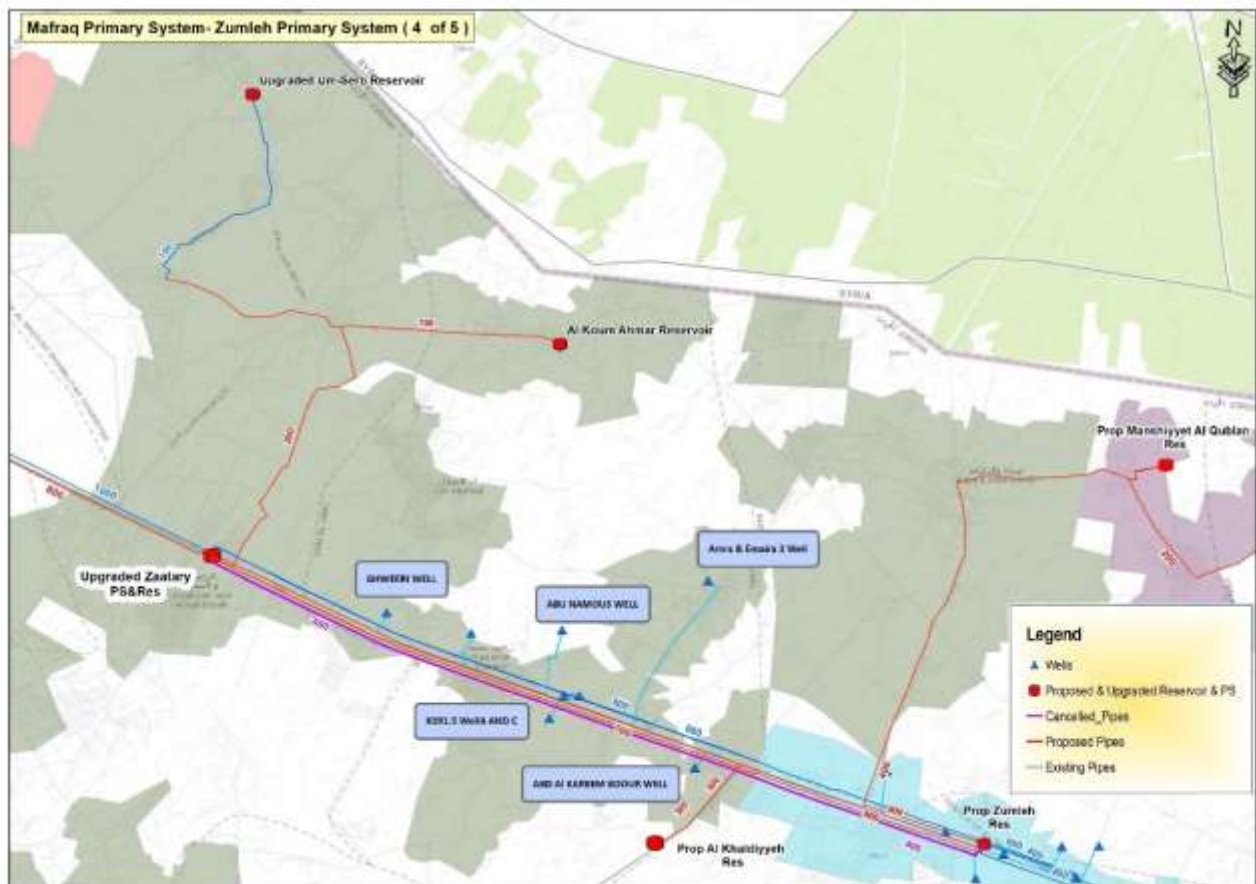
This task includes data collection and review, field investigations, hydraulic analysis and modeling, detailed engineering design, environmental and social screening and assessment, preparation of all required safeguard instruments, cost estimates, preparation of technical specifications, bills of

quantities, drawings, and complete tender documents for the rehabilitation and improvement of the water distribution system in Taibah District in Irbid Governorate. The task shall support future implementation of network restructuring, DMA establishment, pressure management, electromechanical upgrades, and associated water infrastructure improvements.

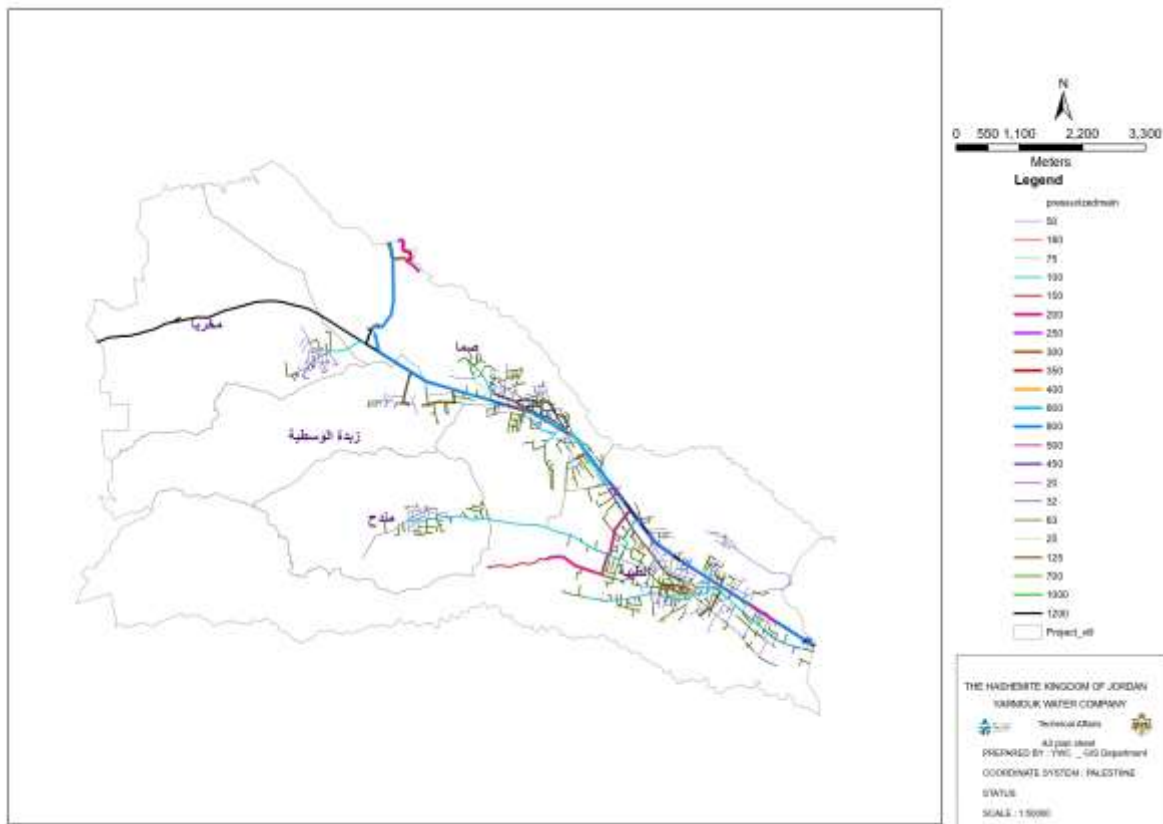
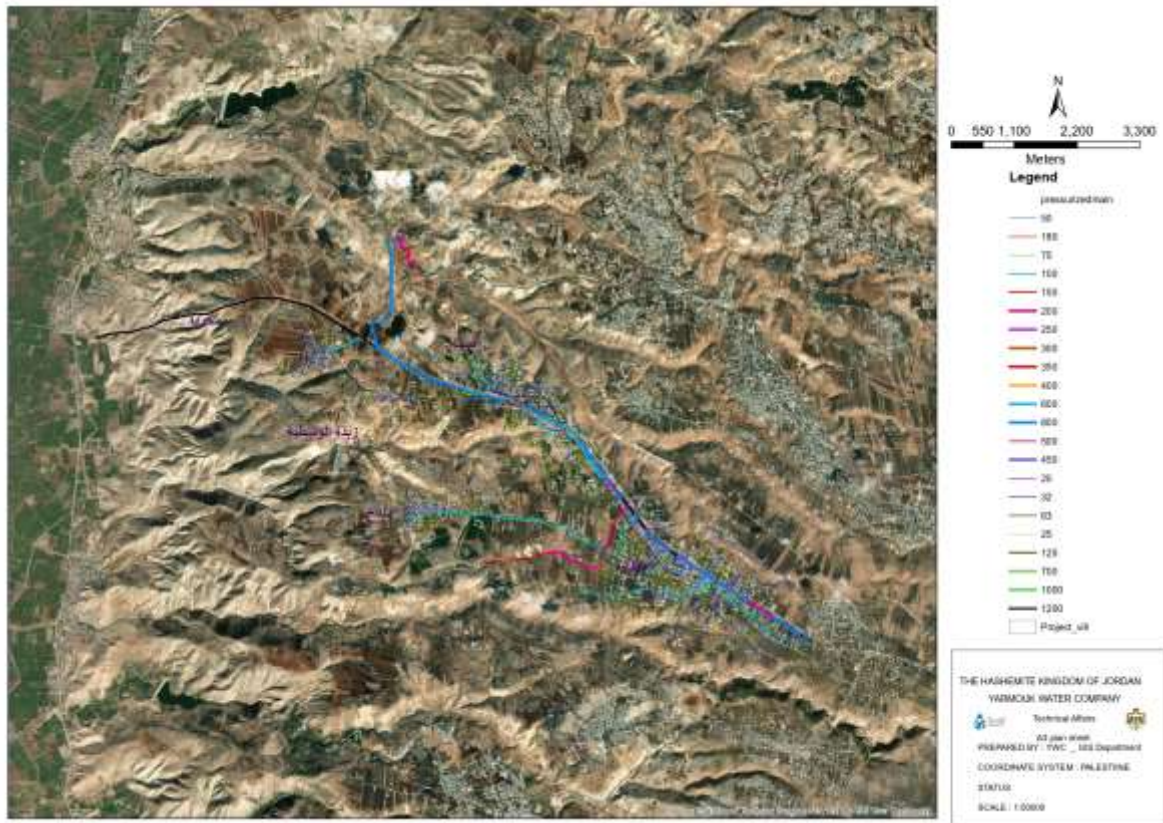
### B.1: - Project overview Layout:

The overall project layout is presented in the figures below and illustrates the locations of the two assignments covered under this ToR, namely:

(a) The transmission pipeline corridor between Al Zumleh Reservoir and Al Za'atari Pumping Station under Task 1.



(b) The proposed intervention area within Taibah District, Irbid Governorate, under Task 2.



### **C. OBJECTIVE OF CONSULTANCY SERVICES**

The primary objective of this consultancy assignment is to provide, but is not limited to, the following items

- 1- acontract forConstruction supervision of design and build a transmission pipeline from Al Zumleh Reservoir to Al Za'atari Pumping Station with a nominal diameter of DN 800/700 mm and an approximate length of 20 Km, including all associated civil, mechanical, electrical, and environmental and social components required for full operational functionality.
- 2- **Detailed design, environmental and social studies, and tender documents preparation for Taibah District in Irbid governorate.**

The consultancy shall ensure that all designs and supervision activities are technically sound, economically justified, environmentally responsible, and in full compliance with national standards and World Bank requirements. The final outcome should contribute to enhanced service reliability, improved water conservation, and long-term operational sustainability in Irbid Governorate.

## D. SCOPE OF WORK

The Consultant shall perform all services necessary for the successful implementation of this assignment under the two tasks described in these Terms of Reference. The scope of work includes, but is not limited to, project management, design review, construction supervision, contract administration, environmental and social supervision, reporting, coordination with the Employer and relevant stakeholders, preparation of detailed engineering designs, environmental and social studies, and preparation of tender documents, as applicable to each task.

The services shall be carried out in accordance with the requirements of the Employer, the applicable laws and regulations of the Hashemite Kingdom of Jordan, and the relevant World Bank requirements, including the Environmental and Social Framework (ESF), as applicable.

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Task 1– Construction supervision of design and build a transmission pipeline from Al Zumleh Reservoir to Al Za’atari Pumping Station

The objective of this task is to provide project management, design review, construction supervision, contract administration, environmental and social supervision, and defects liability monitoring services for the Design-Build contract of the transmission pipeline from Al Zumleh Reservoir to Al Za’atari Pumping Station.

The Consultant shall act on behalf of the Employer in reviewing the Contractor’s design submissions, supervising the construction and installation works, monitoring compliance with contractual and technical requirements, administering the contract, certifying payments, monitoring environmental and social compliance, supervising testing and commissioning, and following up defects rectification during the defects liability period.

The Consultant shall prepare and implement an appropriate Project Management Plan for the contract, covering the main phases of the assignment, namely:

- (i) design review and approvals;
- (ii) construction supervision and contract administration; and
- (iii) defects liability monitoring and final completion

Environmental and Social (E&S) supervision is a core function of this assignment. The Consultant shall be fully responsible for ensuring that all project activities comply with the World Bank Environmental and Social Framework (ESF), including all relevant Environmental and Social Standards (ESS1–ESS10), and with the Project’s ESMF, LMP, SEP, RF, ESCP, ESMP, and CESMP. E&S supervision shall be carried out in all stages of the design review, construction supervision, and defect liability period.

The services for the Design-Build contract—technical, environmental, and social— to be provided by the Consultant shall include, but not be limited to:

#### **D.1 Technical Responsibilities During Design review and Approvals, Supervision and Handover process. These include:**

The Consultant shall carry out specific technical responsibilities during the design review and approval and construction preparation stages, including:

- Review of detail designs prepared by the contractor, including plan, profile and hydraulic design, followed by subsequent designs and shop drawings,

- Review detailed method statements and work plans of the contractor, to clear start of construction,
- Prepare initial site –handing-over certificates in accordance with contract provisions.
- Supervise the construction works under Design-Build contract.
- Review and approve materials / suppliers
- Prepare, monitor and maintain cost estimates and planning schedules.
- Coordinate all activities between the Design–Build Contractor, designated subcontractors if any, Employer, utility agencies, municipalities, and other relevant entities to ensure proper interface management, mitigate and resolve conflicts, and maintain smooth, safe and efficient implementation of the works.
- Administer the construction contract as the Engineer.
- Manage claims and variations in consultations with the Employer.
- Certify Contractor’s monthly and progress payment certificates.
- Ensure that as-built drawings are prepared, operation & maintenance manuals reviewed & finalized.
- Supervise/Monitor rectification of defects during the defects liability period.
- Certify final completion certificate in accordance with contract provisions.

The above Scope of Services defines the Consultant’s overall responsibilities under the assignment. The detailed procedures, site-level duties, and execution mechanisms for construction supervision are further elaborated under Section 4 – Supervision of Contract Works.

**D.2 Environmental and Social Responsibilities During Design review and Approvals, Supervision and Handover process. These include:**

**During Design, and ESF Instruments preparation:**

For the Design-Build (DB) contract, the Consultant shall carry out specific Environmental and Social (E&S) responsibilities during the design review and approval and construction preparation stages, the consultant must monitor/verify that the contractor and ESIA Consultancy Firm” compliance in completing the E&S requirements tasks in the DB contract in accordance with the ESF and the national regulations, including but not limited to:

- Review designs and supervision in reference with the ESMF, the RF, the SEP and the LMP<sup>1</sup>.
- The consultant shall review and verify the sub-projects ES screening prepared by the “ESIA Consultancy Firm” identified as Sub-Contractor, acceptable to the Employer and the Bank, and identify any additional risks that were not determined by the Sub-Contractor. The consultant as well shall identify any additional ES risk management document that shall be prepared or integrated as part of the DB contractor MSIP.
- The consultant shall review the contractor/the ESIA Consultancy Firm the Environmental application and support as needed revising it prior submitting to ministry of environment for the environmental approval process.
- The Consultant shall review the draft ES instruments prepared by the contractor/the ESIA Consultancy Firm (i.e for ESS1: the ESMP or ESIA and its correspondent ESMP, similarly for all the ESS’s instruments. And in coordination with the Employer shall consolidate feedback from the

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<sup>1</sup> The Project ES documents are available via this link:  
[https://www.mwi.gov.jo/AR/List/\\_%D8%A7%D9%84%DE9%85%D8%B4%D8%A7%D8%B1%D9%8A%D8%B9](https://www.mwi.gov.jo/AR/List/_%D8%A7%D9%84%DE9%85%D8%B4%D8%A7%D8%B1%D9%8A%D8%B9)

- Employer, ESSD, and the World Bank and provide feedback to the ESIA Consultancy Firm/contractor.
- The consultant shall ensure that the Employer, the ESSD, the Ministry of Environment and the Bank feedback is well addressed in the revised documents, and shall ensure that updated versions are reviewed.
  - The Consultant shall support the Employer in submitting the final drafts of the ESIA/ESMP, or Preliminary ESIA/ESMP for the Bank review and clearance, and coordinate with the ESIA Consultancy Firm/contractor to address the Bank feedback until clearance obtained.
  - Where approvals from Ministry of Environment is required for the ESS's the consultant shall support the MWC and the contractor /the ESIA Consultancy Firm in providing feedback and guidance to the contractor/ the "ESIA Consultancy Firm" to revise the documents up to the standards prior submission for approvals,
- Review, clear, and supervise the implementation of all environmental, social, health and safety plans prepared by the Contractor, including but not limited to: Traffic Management Plan (TMP), Waste Management Plan (WMP), Occupational Health and Safety (OHS) Plan, Community Health and Safety Plan, Chance Find Procedures, Labor Management measures, site specific Stakeholder/Community Engagement and Communication Plan, SEA/SH measures, and all sub-plans forming part of the MSIP/ CESMP. The Consultant shall ensure that these plans meet ESF requirements and are implemented effectively on site.

#### **ESS5 – Land Acquisition, Resettlement and Livelihood Restoration**

- The Consultant shall support MWC/WAJ under its authority and oversight in fulfilling ESS5 requirements, including the preparation of Resettlement Plans (RP) and/or Livelihood Restoration Plans (LRP), where required, in accordance with the World Bank ESS5 requirements, the project RF, and national legislation.
- The Consultant shall be responsible for preparing the RP and/or LRP on behalf of MWC/WAJ, including conducting the census and socio-economic surveys, asset and impact inventories, stakeholder consultations, valuation at replacement cost, entitlement matrices, livelihood restoration measures, implementation arrangements, budgets, schedules, grievance procedures, and monitoring and reporting frameworks. The Consultant shall ensure that any required RP and/or LRP is fully prepared, consulted upon, cleared, disclosed, and approved by the MWC/WAJ and the World Bank, as applicable, prior to completion of the design stage. This requirement is intended to ensure that all land acquisition, resettlement, and livelihood impacts are addressed early and to avoid delays during procurement and construction. It is important to note that MWC/WAJ shall retain full oversight and decision-making authority for all ESS5-related matters, including final approval and disclosure of RP/LRP documents, determination of eligibility and compensation, and authorization of compensation and assistance payments.

#### **E&S Responsibilities During Construction Stage**

- The consultant will supervise work activities on daily basis to ensure compliance with ES measures outlined in the Environmental and Social documents and plans prepared by through the DB contract and in reference to the JWSEP ESMF and RF.
- The consultant shall identify, assess and advise on mitigation measures any emerging risks causing impact on the communities, workers and the environment.

- The consultant shall cause the contractor to immediately report any incident or accident resulting in injury or harm to the environment.
- The consultant shall Monitor implementation of the Labor Management Procedures (ESS2) by the Contractor, including worker welfare, gender-sensitive facilities, child and forced labor, prevention of harassment/discrimination, etc.
- The consultant shall Verify the existence and functionality of a Worker Grievance Mechanism and ensure it operates separately from the project/community GM.
- The consultant shall Oversee implementation of the Community Health and Safety requirements, including traffic safety, emergency preparedness, and risk communication.
- During Construction, the consultant shall Monitor compliance with ESS5 where land acquisition or restrictions occur, ensuring Resettlement plan and/or livelihood restoration measures are implemented.
- The consultant shall Track SEA/SH risk mitigation measures suggested by the contractor and confirm awareness and confidential reporting channels are in place.
- Prepare a monthly environmental, social, health and safety (ESHS) performance monitoring report.

#### **ESS8 – Cultural Heritage/ Chance Finds**

- The Consultant shall ensure that the Contractor implements all works in accordance with the approved Chance Find Procedure (CFP) to safeguard archaeological and cultural heritage sites. The Consultant shall review and clear the Contractor's CFP, monitor compliance during excavations, immediately report any discoveries, and ensure work stoppage and coordination with the relevant authorities as required under ESS8.

#### **Incident Reporting:**

- Ensure that that contractor immediately notify the employer of any incident or accident related to the Project which has, or is likely to have, a significant adverse effect on the environment, the affected communities, the public or workers, including, inter alia, cases of sexual exploitation and abuse (SEA), sexual harassment (SH), child labor, and accidents that result in death, serious or multiple injury.
- Ensure the contractor notify the Social Security Corporation (SSC) and Ministry of Labor when incidents involve impacting workers including injuries, fatalities.
- Ensure the contractor provides sufficient detail regarding the scope, severity, and possible causes of the incident or accident, indicating immediate measures taken or that are planned to be taken to address it, also report of details available at the consultant supervision team.
- Ensure that, and upon request, that the contractor prepare a report on the incident or accident and propose any measures to address it and prevent its recurrence. The consultant shall review and provide guidance to the Employer and recommend remedial measures, and or corrective action measures to the contractor to comply with to reduce risk of re-occurrence of similar incidents

## **1. PLANNING AND CO-ORDINATION**

### **a- Review of Contractor's submitted Detailed Program**

The Consultant shall review the contractor's submitted detailed work plan, including his methodology for ensuring the quality of the works, and computerized program of all activities and resources for the execution of the work included in his contract.

The review shall also verify that the work plan and program adequately incorporate E&S requirements and obligations in accordance with the Project ESMF, RF, SEP, and LMP, and are consistent with the applicable ESSs.

The Contractor's plan and program shall include all activities that interface or otherwise relate to the work being done by the different contractors or other involved parties, including required dates of receipt of data and construction drawings, submittal dates for the various documents, appropriate periods for review, and timelines for the preparation, review, revision, and approval of E&S screening, environmental permit applications, and E&S instruments, as required under national regulations and the World Bank ESF/ESSs.

The Consultant shall further verify that, where design alternatives are proposed, such alternatives minimize land acquisition and avoid physical or economic displacement where possible, and that any required temporary land use is clearly identified, documented, and approved in accordance with applicable procedures, with the corresponding E&S clearly defined and reflected in the program.

The program shall be prepared using project management software such as "Primavera" or similar compatible software approved by the Consultant and shall be constantly updated throughout the period of the contract to reflect progress, revisions, and approvals, including those related to E&S requirements.

#### **b- Progress Monitoring-During Construction**

In order to fulfill the above objectives, the Consultant shall for the Design-Build contract, inter alia: At all times take necessary measures and provide appropriate advice to the Client to enable the construction contract to be completed in a timely and cost-effective manner, in conformity with contract conditions and specifications, and in full compliance with the World Bank ESF and the approved E&S instruments.

The Consultant shall monitor the Contractor's works to determine progress, and report on a monthly basis and ensure that the construction program is maintained, and costs minimized by means of, but not limited to, the following activities:

- Review and, if in agreement, consent to the Contractor's proposed program of work to meet key dates established in the various tasks, including activities related to E&S mitigation measures, permitting, stakeholder engagement, labor management, and occupational health and safety;
- Prepare and maintain progress programs for use in monitoring and reporting progress, ensuring that all ESF requirements, commitments, and milestones under the ESMP, SEP, LMP, and other ESS instruments are clearly reflected and tracked;
- Prepare consolidated monthly reports on physical and financial status/progress, critical path, site meetings and contractual matters with particular reference to variation orders and contractors claims. The monthly reports shall be a dedicated section on ESF monitoring, covering implementation status of agreed mitigation measures, compliance with ESSs, status of environmental permits and approvals, stakeholder engagement activities, grievance handling, labor and working conditions, occupational health and safety performance, incidents and corrective actions and with the contractor's adherence to safety, health standards and anti-corruption measures as applicable under contract. Each monthly report should include recommendations if any, for action by the Client and the Contractor.

- Prepare control charts of the main activities and a project master schedule, indicating both past performance and forecasts for completion including time involved in E&S approval processes, corrective actions, and close-out of non-compliances.
- Ensuring Time Control, and reporting on the status of critical path, and any changes there to, including delays arising from E&S non-compliance or pending approvals.
- Analyze the variations of construction progress from the Contractor's program; and advise client in a timely manner, including identification of Environmental and Social risks that may affect schedule.
- If and when progress falls behind program, develop in consultation with the Contractor, appropriate modifications to programs and/or work methods to recover the original program. The Employer shall be informed of such changes and recovery activities.
- Ensure that the Contractor's reporting requirements identified in the management procedures developed by the Consultant are fulfilled, including regular submission of E&S monitoring reports, incident notifications, corrective action plans, and compliance records required under the World Bank ESF and project E&S instruments.

**c- Co-ordination**

The Consultant shall organize co-ordination and site meetings with the Contractor on a regular basis and as necessary. The Consultant shall conduct these meetings on behalf of the Client, take minutes and report to all concerned parties.

**d- Identify and Protect Antiquities**

The Consultant shall examine the Contractor's MSIP prepared during the design phase to ascertain the probable location of antiquities which may be disturbed by construction of the works. The Consultant shall ensure that the Contractor implements all relevant works in accordance with the approved Chance Find Procedure (CFP) to safeguard archaeological and cultural heritage sites. The Consultant shall review and clear the Contractor's CFP, monitor compliance during excavations, immediately report any discoveries, and ensure work stoppage and coordination with the relevant authorities as required under ESS8.

**e- The Environmental and Social Monitoring.**

The Consultant shall implement the E&S responsibilities described in Section D.2 through the following monitoring and control measures:

Prior to the construction stage, the Consultant shall review, provide feedback on, and approve all site-specific E&S documents developed by the DB Contractor, including the Contractor's Environmental and Social Management Plan (CESMP). The Consultant shall apply an additional review and clearance layer prior to finalization and approval of the CESMP to ensure that all ESF/ESSs requirements are fully addressed and integrated.

The Consultant shall ensure that CESMP and all associated DB contractor plans shall be prepared in full accordance with the applicable ESS and the project ESMF, and shall include, as a minimum, method statements, Occupational Health and Safety Plan, Waste Management Plan, Traffic Management Plan, Archaeological and Historical Chance Find Procedures, and any other plans required under the ESF and the Contract documents.

The Consultant shall clearly document the review steps, comments provided, and clearance process. The Consultant shall review and approve the Contractor's CESMP only after confirming that all social safeguard requirements are fully integrated, including the Labor Management Procedures, site- specific Stakeholder Engagement Plan site specific Stakeholder/Community

Engagement and Communication Plan, SEA/SH measures, and Resettlement or Livelihood Restoration measures where applicable.

**During construction, the Consultant shall:**

- Conduct periodic E&S audits to verify that commitments included in the ESCP and bidding documents are being met and that corrective actions are implemented promptly for any identified gaps.
- Conduct weekly site visits to monitor and evaluate the contractor's adherence to ES mitigation measures as outlined in the ESF documents, including but not limited to the ESMP, OHS plan, TMP, WMP, and ACF with reference to the ESMF, RP/LRP, SEP, LMP, and ESCP. Upon identifying non-compliance, assess the associated risks and recommend corrective measures. Record these measures along with their implementation timeframe in the report. Follow up to ensure the implementation of corrective measures and report compliance.
- Ensure that the grievance mechanism of the project is implemented properly. This through ensuring if there is any complaint is submitted from any party and to whom is submitted and how it will be handled and closed. This is to be reflected in the monthly reports submitted to the employer (the WC/ESSD) and submit upon request to the World Bank.
- Assess any new impacts that emerge during the construction stage and propose mitigation measures based on the mitigation hierarchy in accordance with the ESSs. Provide feasible measures for their elimination, and if elimination is not feasible, propose mitigation measures to minimize risks and impacts, which should be implemented by the contractor.
- Where required, recommend updates to subproject Environmental and Social plans to address emerging risks.

**f- Stakeholder Engagement**

- The Consultant shall ensure meaningful, inclusive, and culturally appropriate engagement with all stakeholders throughout the project lifecycle, in accordance with the World Bank Environmental and Social Standard ESS10. This includes identifying affected communities, vulnerable groups (such as women, persons with disabilities, and refugees), and relevant authorities, and ensuring their participation in consultations. Engagement activities must be documented and integrated into project planning and implementation to minimize social risks and enhance project benefits.
- The Consultant shall also oversee the establishment and functionality of the site-specific Grievance Mechanism (GRM) that is accessible, transparent, and responsive. The GM must include confidential channels for sensitive complaints, such as SEA/SH, and ensure timely resolution of grievances. The Consultant will monitor engagement activities, track grievance trends, and report progress in monthly ESHS reports, including key indicators such as gender participation rates and grievance resolution timelines.

**2. COST CONTROL**

**a- Monitoring Contract Costs**

The Consultant shall be responsible for monitoring of contract costs relative to budget. The consultant shall utilize a computerized Budget and Cost Forecast (BCF) system and shall prepare, with the Contractor, an estimate of the cost of the various contract items, and incorporate updated quantities, variation orders, day works, potential costs of claims, and projected expenditure from provisional sums. The estimated cash flow up to completion of the contracts shall be prepared, updated based on the revised contract costs, and submitted each month in line with the management procedures.

**b- Claims Management and Variation Orders**

The Consultant shall anticipate potential claims and shall take steps to mitigate their effect. The Consultant shall assess the need for variations to the Contract and any claims submitted by the Contractor, review their merit and, where appropriate, prepare variation approval requests and submit them to the Employer for approval prior to preparing variation orders and issuing them to the Contractor.

**c- Certify Contractors' Monthly Statements**

The Consultant shall process in a timely manner and, as appropriate, certify for payment the Contractor's monthly interim statements to ensure that such statements reflect work completed.

The statements shall be based on measurements on site. The measurements on site shall be made jointly by the Contractor and the Consultant. The consultant shall prepare and submit to the Client the final cost for the measured completed works.

**3. RECORD KEEPING**

**a- Preparation of Reports**

The Consultant shall prepare all necessary reports for progress and record purposes. The preparation of these reports shall include, but not be limited to, the following activities:

- Prepare and agree with the Employer appropriate formats and review and approval of these formats, if required, as work proceeds;
- Collect and check daily and shift reports from the Contractor for labor (disaggregated by type of job, gender, location and nationality of worker) and equipment in anticipation of preparing weekly and monthly summary reports;
- Keep records of all measurements and agreements and incorporate measurement data in monthly progress reports and cost monitoring systems;
- Undertake the correct and timely distribution of all reports;
- Minutes of site and co-ordination meetings shall be distributed within the three days following the meeting;
- Monthly progress reports will be standardized as per the developed management procedure. The Consultant shall follow these standardized formats;
- The Consultant shall prepare and/or supervise the preparation of cost reports, progress reports, construction schedules, estimates of monthly cash requirements, Contractor's estimates for payments, and such other reports and data as may be desirable or as may be directed by the Employer. Monthly construction progress reporting will use the "Earned Value" technique requiring the provision of an activity completion report for each contract with an "S" curve, and a tabular cash flow report.
- E&S requirements for Record Keeping:
  - o Maintain detailed records of E&S compliance, including:
  - o Approved E&S instruments (ESMP, CESMP, LMP, SCECP, RP/LRP if applicable, SEA/SH measures).
  - o Dates of approval and any revisions.
- Keep logs of:
  - o Stakeholder engagement activities (consultation minutes, attendance lists disaggregated by gender and vulnerability).

- Grievances received and resolved, including timelines and confidentiality measures for SEA/SH cases.
- Document:
  - Training sessions on social safeguards and SEA/SH prevention (dates, participants, topics).
  - Social KPIs (e.g., gender participation rates, grievance resolution performance).
  - Ensure all records are organized for audit and reporting purposes and included in monthly and final reports.

**b- As-Built Drawings and Completion Report**

The Consultant shall be responsible for ensuring that the Contractor maintains at the site a complete set of “as-built” drawings for the Contract as the work proceeds. To this end the Contractor shall:

- On a set of working drawings maintain a continuous reproducible “as-built” record of the actual alignments, levels, dimensions etc. to which the works have been constructed;
- On completion of the construction of each structure/section, transfer all recorded changes to a CAD & GIS file Which Shall be according to Miyahuna standers (original CAD files to be supplied by designer), or prepare new CAD drawings as required;
- Prepare completion reports for all major structures or elements of the contract works, incorporating as-built records and drawings, within 60 days of issue of any taking over certificate. Completion reports shall also include details of construction methodology, test results, O&M recommendations etc.
- The Consultant shall audit on a monthly basis, and maintain audit records for review by the Client, the Contractor’s performance in producing as-built details and completion reports.

**c- Operating and Maintenance Manuals**

The Consultant shall review detailed Operation and Maintenance Manuals prepared by the Contractor, finalize as appropriate and submit to the Employer.

The O&M manual shall include at least:

- Reference to all relevant design and other reports, specifications etc. in order to provide a complete bibliography on the structures and plant such that the operation and maintenance staff can understand the basis of their functions;
- Details of any problems encountered during construction which may have a bearing on the future safe operation and decommissioning of the facilities;
- Full operating instructions for all systems; drawings, diagrams, charts, notices etc. to facilitate understanding of safe operation and maintenance;
- A maintenance schedule and consumables required to give reliable operation of the facilities.

**4. SUPERVISION OF CONTRACT WORKS**

**a- Project Manager Function**

The Consultant shall act as the Engineer under the Contract and shall obtain prior approval of the Employer before taking actions that have financial, contractual, or time implications

**b- Construction Works and Materials Inspections and Approvals**

The Consultant shall supervise and inspect the construction works including, but not limited to, the following activities:

- Supervising and inspecting the works of the Contractor and suppliers for completion of the contracts in accordance with plans and specifications;
- Taking photographs during construction and installation and keeping a daily diary of construction activities;
- Supervising and approve final evaluation of all measurements made by the Contractor including the provision of all necessary measurement instruments;
- Supervising the assembly, installation, preliminary tests, initial operation and preparation for commissioning of all machinery and equipment on site;
- Preparing and submitting to the Employer inspection and test reports and certificates of acceptance;
- Supervising the commissioning of all structures and plant. The Consultant shall assist in the involvement of concerned operating staff, co-ordinate testing and commissioning programs and prepare taking over certificates;
- Administer day works as required; reviewing and approving daywork records, confirming labor, equipment and material inputs, and certifying daywork payments in accordance with the contract's daywork rates.
- Follow up on the manufacturing of all equipment to ensure compliance with the specifications, including monitoring of certificates of origin, and supervise their delivery to ensure compliance with contractual time schedules;
- Follow up on packing, transportation and delivery, as well as temporary storage, and supervise the storage at site of all equipment, materials and supplies, together with ensuring that Letters of Credit are opened by the Contractor where appropriate;
- Enforce the maintenance and protection of traffic procedures and schemes as detailed in the drawings
- Ensure that the Contractor complies with the contract in respect of insurance.

**c- C. DEFECTS LIABILITY PERIOD**

The objective of the services during the defects liability period is to oversee the maintenance activities during one year, by drawing the attention of the contractor on any defect and by inspection the remedial works. For purposes of carrying out these services the Consultant shall assign his Resident Engineer to make two visits (one Man Month input for both visits) to carry out the following;

- Inspections of Outstanding works and Remedying Defects
- Prepare and issue Defects Liability Certificate
- Review and certify Final Payment Certificate
- Prepare Final Completion Report

**REPORTING REQUIREMENTS FOR DELIVERABLES UNDER TASK 1**

The Consultant shall carry out all required inspections and studies for the successful implementation of each project and shall therefore submit a complete package of Plans, Specifications and Estimates (PS&E). The reporting language should be English.

The Consultant reporting and deliverable requirements during Construction Period Services for the Design-Build contract shall include but not limited to the following;

#### **INCEPTION REPORT**

The Consultant shall submit the Inception Report within four weeks of commencement of the works contract. This report shall include results of the review of the contractor's work program, the Contractor E&S submittals, any modifications thereto, status of the contractor's mobilization, advance payment, Bank guarantees and any matter requiring the Employer's attention and action. This report shall be also being submitted in 2 hardcopies and one electronic copy (editable version) .

#### **MONTHLY PROGRESS REPORTS**

The Consultant shall prepare monthly progress reports for the duration of the contract. These are to be submitted in 5 hard copies and 1 electronic editable version by email and should reach the Client not later than 10 days after the end of the month being reported on.

The format of the monthly progress reports shall be agreed with the Client. The report will include but not be limited to the following:

- useful information regarding the implementation of the contract allowing a technical and financial follow up of the project;
- recording of any agreed changes on the original envisaged technical solutions;
- major changes of quantities compared to contractual Bill of Quantities;
- suggestions for resolution of any technical and other problems (a separate section will be given to cover issues, problems and solutions) which occur and those affecting the progress of the work such as variation orders and claims of the Contractor;
- financial status of both the construction and the supervision of the works;
- progress charts including percentages of completion of individual main work items and overall project/contract;
- weather information and charts; and,
- Construction and supervision data.

Submit a monthly ESHS report on monitoring of E&S requirements which include, but are not limited to, assessment of the degree of compliance of the contractor to all Environmental and Social instruments but not limited to the Contractors' Environmental and Social Monitoring Plan (CESMP), Occupational Health and Safety (OHS), Traffic Management Plans (TMP), requirements of the archeological & Historical chance find procedure, The report shall also cover compliance with all applicable social instruments, including the LMP, SEP, and Resettlement Plan or Livelihood Restoration Plan (RP/LRP), where applicable.

The reporting shall cover implementation status of mitigation measures, results of environmental and social monitoring and evaluation, compliance with the environmental and social requirements including the Health and Safety measures, immediate reporting on any related incident/accidents. Corrective actions implemented, records of any archeological & Historical artifacts found during construction. In addition, the report should include monitoring of labor management and working conditions, workers' grievances and grievance resolution status, community health and safety issues, community grievances and grievance handling status, stakeholder engagement activities conducted, disclosure and consultation requirements, compliance with ESS5 requirements.

A section on the Consultant progressing of the activities, including schedule at the site to conduct monitoring and evaluating of the ES work, and the planned activities.

#### **QUARTERLY PROGRESS REPORTS**

The Consultant shall prepare quarterly monthly progress reports for the duration of the contract following the same format of the monthly progress report and summarizing the past 3 monthly progress reports. These are to be submitted in 5 hard copies and 1 electronic editable version by email and should reach the Client not later than 10 days after the end of the month being reported on.

#### **FINAL REPORT**

The Final Report in five (5) hard copies and 1 electronic editable version by email and should reach the Client no later than one month after the substantial completion of construction works. The report should enable the Client to know the type, quality and quantity of materials used and all information which together with the as-built drawings (original and 6 copies and 1 CD containing the as-built in electronic editable and non-editable format) and specifications will help in the maintenance of the works.

The report shall also include a summary of the principal difficulties encountered during construction and the means employed to overcome them, changes (if any) made in the original designs, modifications to specifications and conditions of contract, all variation orders, assessment of claims by the contractor, utilization of provisional and price variation and physical contingency sums, cumulative monthly payments to the Contractor, by date and number of payment certificate and break down into foreign and local currencies and including a similar payment schedule for supervision services in addition to overall assessment of the environmental and social requirements compliance. The details of the overall project costs (construction and supervision) with justification for any significant differences with the original shall be given in the final report.

#### **Reporting for Defect Liability Period Services**

Final Completion Report: Upon issuance of the defect's liability and the final payment certificates, the Consultant shall prepare within 30 days the Project Final Completion Report in five (5) hard copies and 1 electronic editable version by email and should reach the Client no later than one month after the end of Defect Liability Period. The report shall include a separate section on proposed future maintenance activities and related arrangements for the road sections supervised.

## **Task 2– Detailed design, environmental and social studies, and tender documents preparation for Taibah District in Irbid governorate**

The Consultant’s services will encompass the following main phases but not limited to:

### **2.1 Engineering Design Services**

**Data Review and Collection** The Consultant shall begin by reviewing all relevant documentation provided by the Client (Yarmouk Water Company), including but not limited to:

- Existing GIS and hydraulic data for the Taibah District;
- As-built drawings, operation and maintenance records, and asset inventories;
- Reports or outputs from previous related studies and projects.

This review will inform a comprehensive understanding of the current infrastructure conditions, particularly the water distribution networks, reservoir status, DMAs, pressure conditions, and household connections.

**Field Investigations** To validate and supplement the existing data, the Consultant shall carry out field investigations covering both supply zones (Taibah District), which shall include but not be limited to:

- **Topographic Surveys:** High-resolution topographic mapping for all project areas using appropriate surveying technology. The mapping shall be prepared at 1:2000 scale (horizontal) and 1:200 (vertical), including key elevation profiles and constraints related to the routing of pipelines, reservoirs, and valve installations.
- **Geophysical Investigations:** Application of non-invasive methods such as Ground Penetrating Radar (GPR) or equivalent techniques to identify underground utilities, existing pipeline alignments, and potential obstacles or areas of interference.
- **Visual Inspections and Reconnaissance:** Site visits to assess the physical condition of infrastructure such as reservoirs (Taibah District ), existing pumps (including assessment of VFD compatibility), pipelines, valve chambers, and customer connections.
- **Geotechnical Investigations:** Selective boreholes, trial pits, or soil testing at locations where structural, buried, or geotechnically sensitive works are proposed, including reservoirs, valve chambers, pumping facilities, pipeline crossings, and other critical infrastructure elements, as required by the detailed design.

### **Coordination and Compliance**

- The Consultant shall ensure coordination with relevant national and local agencies, and align field investigations with any ongoing or planned projects within the same geographic area, avoiding duplication of efforts.
- All fieldwork shall be planned with consideration of environmental and social sensitivity—such as avoidance of natural reserves, agricultural lands, and cultural heritage sites—in accordance with the Environmental and Social Framework (ESF).

**Output and Integration** All collected data shall be:

- Digitized, validated, and geo-referenced as appropriate;
- Integrated into the project’s GIS database and used to update the hydraulic models;
- Utilized to refine the engineering designs and inform the feasibility analysis for both Taibah District networks.

This task ensures that subsequent project phases—design, costing, and construction—are based on accurate, reliable, and field-verified data, ultimately contributing to improved water service delivery, better pressure control, and reduced Non-Revenue Water (NRW).

## 2.2 Detailed Engineering Design

**Develop a detailed engineering design package for the proposed system upgrades according to Irbid Master Plan submitted (attached) and the design to include the below:**

- Assessment and calculation of existing and future water demands for the relevant supply zones, including demand allocation, growth projections, peak factors, and demand scenarios to support the design basis;
- Restructuring of the network and establishment or optimization of District Metered Areas (DMAs).
- hydraulic modeling and system analysis for pressure management, service improvement, and NRW reduction;
- transient analysis of the system as part of the hydraulic modeling, where required, to assess surge risks, pressure fluctuations, and the need for surge protection or operational control measures;
- layout and sizing of new, rehabilitated, and replacement pipelines and associated network components;
- design of valves, meters, pressure reducing valves, chambers, and related appurtenances;
- design of reservoirs, pumping elements, or electromechanical upgrades where required by the project needs;
- design and integration of SCADA and telemetry systems required for monitoring, control, data acquisition, and efficient operation of the proposed network and associated facilities;
- structural design of chambers, reservoirs, and all associated civil works required for the proposed system upgrades, including design calculations, drawings, reinforcement details, and construction details;
- layout and sizing of new, rehabilitated, and replacement pipelines and associated network components;
- rehabilitation or replacement of house connections where required;
- preparation of plan and profile drawings, standard details, and construction details for all designed elements;
- preparation of technical specifications, design reports, calculations, and cost-related design outputs;

## 2.3 Environmental and Social Assessment

- The subproject was initially screened against the Project Exclusion list and the available information (please see Annex 3 the initial environmental and social screening for the subproject), The Consultant shall conduct and finalize the initial environmental and

social screening of the sub-project as per the ES screening template in the ESMF for client and Bank review and clearance. The screening will identify the E&S instruments per each Environmental and Social Standards (ESS) and the consultant will draft those required instruments in accordance with the ESS's and the national regulations.

- The consultant will submit the screening report for the ESSD and the Water Company for review, prior to submitting for the World Bank guidance. This process is further detailed here and in the ESMF:
  - a. For ESS1, based on the findings of the screening, the consultant shall prepare the more stringent requirement among the World Bank and the Ministry of Environment (MoEnv.) requirements (i.e. preliminary ESIA/ESMP full-fledged ESIA/ESMP, IEE/ESMP, detailed ESMP or ESMP checklist) , and identify the ES instruments in accordance with the ESF requirements; in accordance with ESS1, ESS2, ESS3, ESS4, ESS5, ESS6, ESS8, and ESS10, assessing each standard while applying the ESF mitigation hierarchy. This process is described in detail in the ESMF (The instruments' outline should also include all World Bank requirements in addition to the national ones according to the MoEv.) and will be completed in close coordination with the ESSD, the water company and upon guidance from the World Bank.
  - b. The consultant will draft E&S instruments per each ESS and the national guidelines and procedures and submit them to the World Bank and where applicable to the Ministry of Environment for their clearances according to the ESMF.
  - c. The IA with the support of the consultant shall submit to the MoEv the approval application regarding the project activities, by which the MoEv will classify the risks according to Environmental Classification and Licensing regulation and its amendments No. 69 of 2020 and define the required ES instrument for high risk: comprehensive ESIA is required, for substantial (medium) risk a preliminary ESIA is required. Then the consultant shall furnish the requirements for the Environmental License (MOEV Clearance) and Environmental Permit before project operation. Considering the ES instruments drafts will be reviewed by the World Bank, the feedback from the Bank should be incorporated prior submitting the draft for MoEnv approval.
  - d. Upon the completion of the E&S screening report, the Consultant will identify what ES measures and plans that the contractor will prepare as part of its MSIP prior to commencing the works including but not limited to: Archaeological Chance Find Procedure (ACFP), Occupational, Health and Safety (OHS) Plan, Traffic management Plan (TMP) -Conceptual layouts, Waste Management Plan (WMP).
  - e. The ESIA/ESMP or IEE/ESMP or ESMP draft will be submitted for the World Bank review and clearance. The final draft will be cleared upon the satisfaction of the World Bank and the Ministry of Environment (if applicable).
  - f. The consultant is required to conduct stakeholder consultations as needed during the preparation of the different E&S instruments. The feedback received will be reflected in the different instruments before finalization.
  - g. If a Resettlement Action Plan (RAP) or a Livelihood Restoration Plan (LRP) is required, it will be prepared closely with the ESSD and the Water Company, and in accordance with the requirements of the project's Resettlement Framework (RF). Necessary consultations with project affected people (PAPs) will be conducted as required.

## 2.4 Preparation of Tender Documents

#### **a- Final Engineering Report**

The Consultant shall prepare a comprehensive Final Engineering Report that includes a detailed description of the project, outlining its scope and objectives. The report must present the results of the reconnaissance study, and all other relevant studies conducted during the project. It should provide a thorough summary of the design criteria that were adopted for the various components of the project, ensuring that all aspects of the design are clearly documented. Additionally, the report must include a detailed description of the recommended design, with specific technical details and justifications for the proposed solutions.

In addition to the general project description and design details, the Consultant will assist in integrating Environmental and Social Framework (ESF) requirements into the bidding documents. This involves drafting the ESF sections of the Standard Procurement Documents, ensuring that the Environmental and Social Management Plan (ESMP) is effectively incorporated, and integrating ESF requirements into the identified contracts under the Management and Supervision of Infrastructure Projects (MSIP). The Consultant will also identify with the necessary expertise and qualifications for ESF personnel to ensure compliance with all relevant standards and regulations.

The integration of ESF requirements into the bidding documents and project plans is crucial to maintaining adherence to environmental and social standards throughout the project lifecycle. The Consultant's role will include providing any additional support needed to ensure that these requirements are thoroughly addressed and incorporated into all stages of procurement and implementation.

#### **b- Design Calculation Notes**

All design calculation notes shall be compiled in a specific volume.

#### **c- Quantities Calculation Notes**

All quantities calculation notes of the various trades of the Project shall be compiled in a specific volume.

#### **d- Confidential Fair Price Estimate**

Fair price estimate shall be prepared and presented in a separate confidential document. In the preparation of the fair price estimate, the Consultant shall conduct a study of current unit prices of various work items from the contracts currently under construction and current market prices of materials and labor. The breakdown of the unit prices shall be presented on MS Excel spreadsheets,

#### **e- Tender Documents**

The Consultant shall prepare tender and contract documents for each section of the project according to WB's SBD. The documents shall include the following:

### **Volume 1: Conditions of contract**

This document shall include:

- a. Invitations to Bid
- b. Instructions to Bidders
- c. Qualification and Evaluation Criteria
- c. Forms of Bid
- d. Forms of Bid Bond and Performance Bond
- e. Form of Advance Payment Guarantee
- f. Schedule of Day Work Rates

- g. Schedule of Basic Rates
- h. Form of Contract
- i. General and Special Conditions of Contract
- j. Environmental, Social, Health and Safety (ESHS)
- k. Identified Plans under the MSIP (Traffic Management plans typical details and layout using international standards, OHS plans, Archaeological findings, and other plans identified by ESS's
- L. ESMP

The consultant is required to prepare any further documents asked by the employer if needed. The Conditions of Contract shall be based on the World Bank Standard Bidding Document. At such time, the Consultant shall coordinate with the Employer to finalize the conditions of the contract.

### **Volume 2: Specifications**

The Consultant shall prepare all specifications required as requested by the Employer,

### **Volume 3: Bill of Quantities**

The bill of quantities shall be prepared as requested by the Employer. Clearly notifying the costs of implementing the E&S plans and measures shall be embedded in each unit cost as set out in the SPD.

### **Volume 4: Contract Drawings**

The drawings shall comprise the following:

- Plans and profiles of the selected areas at 1/2,000 horizontal and 1/200 vertical scale. The drawings shall include all design data for the construction of the water lines and house connections.
- Contract Drawings listed above shall be presented in this order:
  - **COVER SHEET**
  - LIST OF DRAWINGS & ABBREVIATIONS
  - **GENERAL DRAWINGS:**
    - GENERAL LOCATION PLAN
    - LAYOUT PLAN
    - TOPOGRAPHICAL
    - SURVEY PLAN
  - **HOUSE CONNECTIONS:**
    - HOUSE CONNECTION'S LOCATION PLANS
    - HOUSE CONNECTIONS DETAILS

Structural details for rehabilitation of the internal networks where it is needed.

## **2.5 Reporting Requirements for Deliverables under Task 2**

The Consultant shall carry out all required inspections and studies for the successful implementation of the project and shall therefore submit a complete package of Plans, Specifications and Estimates (PS&E). The reporting language should be English.

The Consultant reporting requirements shall include but not limited to the following:

### **Engineering Studies and the preparation of Tender Documents:**

- **Data collection, topographic survey and Geotechnical investigation reports:**  
Preliminary Assessment Report

- **Engineering Design: Detailed designs of additional networks and house connections:**  
The Consultant shall carry out all required studies and designs for the successful implementation of the assignment and shall therefore submit a complete package of plans, specifications and estimates (PS&E).
- **Environmental and Social Assessment:**
  - Detailed E&S Screening Report/Form
  - Environmental & Social Safeguard instruments including the following
    - ESIA/ESMP, or preliminary ESIA/ESMP, or site specific ESMP, or site specific ESMP checklist
    - Sub-project Stakeholder Consultation and Coordination Plan
    - Sub-project-level Grievance Procedure
    - Additional provisional E&S instruments, as identified in the detailed E&S Screening Report/Form
- **Preparation of Tender Documents:**
  - Final Engineering Report (4 copies)
  - Design Calculation Notes
  - Quantities Calculation Notes
  - Confidential Fair Price Estimate
  - Final Tender Documents (10 copies): using the World Bank Standard Procurement Regulations.
  - Volume 1: Conditions of Contract
  - Volume 2: Specifications
  - Volume 3: Bill of Quantities
  - Volume 4: Contract Drawings
  - All E&S instruments reports as defined under Task 1 (approved by the Client and cleared by the World Bank).

The Client shall first review and approve draft final documents submitted. Once these documents are approved, the Consultant shall submit the required number of copies of together with two soft copies on computer CD-ROM. The drawings shall be in AutoCAD version 2017 format or later and all text reports in MS Word and excel. Tender documents shall be submitted in editable format and in Adobe Acrobat PDF format.