



West Bank and Gaza Integrated Solid Waste Management Project – Phase 1 (ISWMP – 1)

Terms of Reference

Consultancy Services for:

Detailed Design for the Rehabilitation of existing cells, Construction of new cells, and Installation of gas collection and leachate collection/treatment systems at (1) Zahrat Al-Finjan and (2) Al-Minya Landfills.

1. Background

The Palestine Liberation Organization for the benefit of the Palestinian Authority, delegated the Ministry of Finance (MoF) to allocate fund from the World Bank Group towards implementing the first phase of the West Bank & Gaza Integrated Solid Waste Management Project (ISWMP-1) through the Municipal Development and Lending Fund (MDLF) on behalf of the Ministry of Local Government. The ISWMP is a strategic program aims to improve solid waste management (SWM) practices towards circular economy departing from the linear mode of SW management in line with national strategies and plans. The current first phase of the project, ISWMP-1, will focus on addressing the urgent gaps in infrastructure and equipment by expanding disposal capacity at the two existing official sanitary landfills in the West Bank, i.e Zahrat Al-Finjan and Al-Minya Sanitary landfills located respectively in Northern and Southern West Bank, in addition to the construction and/or rehabilitation of selected SWM transfer stations. In parallel, ISWMP-1 will lay the foundation for critical policy reforms and institutional capacity-building to ensure the sector's long-term operational, financial, and institutional sustainability.

Zahrat Al-Finjan Sanitary Landfill: located in the governorate of Jenin, (32°22'47.49"N, 35°12'28.19"E), in northern West Bank and was commissioned in 2007 to serve the governorates of Jenin and Tubas. The landfill extended its services to cover the northern and middle West Bank sheds that include the governorates of Jenin, Nablus, Qalqilia, Tulkarem,, and Tubas in addition to Ramallah/Al-Bireh Governorate, with the absence of an official disposal site in the middle shed of the West Bank. The site was designed and constructed up to standard and it included lined cells, leachate collection and evaporation pond, weigh bridge, administrative building, maintenance buildings, and peripheral road, refer to annex 1 for landfill vicinity map indicating landfill boundary and ownership. The landfill receives more municipal solid waste (MSW) than its design capacity reaching a total of 6 million-ton overall mass with daily input of 1,400. The absence of means to extend the landfill, the filling area grew vertically to reach a height ranging from 30 to 50 meters above surrounding natural ground with side slopes that reached in some parts of the landfill as steep as 32 degrees (1H:1.5V); which can be considered unsafe. The existing landfill mass occupies a footprint of approximately 14.5 ha (145,000 square meters) over five cells with a total capacity of 5.5 million cubic meters. The site has limited room for horizontal expansion with an available plot of land of 2.5 ha (25,000 square meters), however additional land is owned by the JSC located in the vicinity of the landfill but disconnected from the existing landfill cells. The site has been operated since its opening by the Joint Service Council for Solid Waste Management in Jenin Governorate (JSC-JN). The JSC-JN is also responsible for collection services and



transfer of MSW from most parts of Jenin Governorate and other surrounding LGU's to the landfill.

Al-Minya Sanitary Landfill: located in the governorate of Bethlehem, (31°37'2.16"N, 35°13'55.89"E), in southern West Bank and was commissioned in 2011 serving the governorates of Hebron and Bethlehem in addition to parts of east Jerusalem. The site was designed and constructed up to standard and it included lined cells, leachate collection system, weigh bridge, administrative building, maintenance buildings, and peripheral road. The landfill receives, as well, more MSW than its design capacity of 630 tons/day, while it currently receives approximately 1,400 tons/day with total disposed SW amounts to 4.5 million tons since landfill commissioning. The existing landfill mass occupies a footprint of approximately 20.35 ha (203,500 square meters) over 8 cells; 6 of which are closed, and one is currently in preparation, and the 8th cell is reserved for expansion; that is the site has substantial space for expansion under the existing landfill boundary, annex 1 provides landfill vicinity map with landfill boundary and ownership. The site has been operated since its opening by the Joint Service Council for Solid Waste Management in Hebron and Bethlehem Governorates (JSC-H&B). The JSC-H&B is also responsible for collection services (in some areas) and transfer of MSW to the landfill.

Zahrat Al-Finjan and Al-Minya sites suffer from persistent odor with huge leachate quantities beyond lagoons design capacity, which has a negative effect on surrounding communities and on personnel working in both sites, that is leachate management relies on evaporation lagoons. Both sites don't have gas collection and management system. The daily cover use varies between both facilities, the younger Al-Minya site use daily cover systematically, while the aging Zahrat Al-Finjan site limited the use of daily cover for economic and void space considerations, and that reflects on public perception of the facilities. Both landfill operators compact solid waste using the weight of track loaders with multiple passes.

MDLF intends to hire a qualified consultancy firm to provide detailed design for the rehabilitation and extension of the existing two sanitary landfills in the West Bank, Zahrat Al-Finjan and Al-Minya Sanitary Landfills, including the detailed design for leachate collection and treatment system and gas collection and management systems, in addition to stormwater management.

2. Objective of the Assignment

To provide comprehensive detail engineering designs, technical specifications, and bidding documents in line with environmental and social standards requirements for the two sanitary landfills in the West Bank: (1) Zahrat Al-Finjan Sanitary Landfill and (2) Al-Minya Sanitary Landfill, covering the following:

- (1) Extension of both landfills' capacity to accommodate future waste volumes.
- (2) Rehabilitation and upgrade of the two existing landfills.
- (3) Leachate collection and treatment systems, stormwater management for the two landfills.
- (4) Landfill gas management systems, including energy recovery, for the two landfills.
- (5) Landfill Operational Manual.



3. Scope of Service

3.1. Documents Review and Sites Investigation:

- a. Review existing documents and pertaining to Zahrat Al-Finjan Sanitary Landfill and Al-Minya Sanitary Landfill, such documents including design reports and drawings of existing landfills, inspections and tests for leachate, lining and drainage systems, gas generations, SW compositions, medical and hazardous waste, sludge dumping, WtE models, if available, and all data including quantities, chemical and physical properties, in addition to historical data of leachate evaporation rate, incoming municipal solid waste (MSW) to date and future trends of waste volumes anticipated for both sites, and the existing environmental auditing reports, technical studies for leachate treatment and otherwise, and the licensing documents and requirements for EQA approval..
- b. Review and verify existing legal boundary documents for both landfill sites including legal ownership and land use and ensure the absence of any dispute or outstanding legal requirements before the commencement with design works.
- c. Conduct land survey confirming legal accuracy of legal boundaries and reference points including all lots owned by the JSCs in landfills' vicinity.
- d. Conduct topographic survey of the landfill mass and the entire legal boundary of all plots owned by the JSCs and the surrounding area at suitable intervals with tolerance of no more than +/- 1cm, identifying all access roads, access ramps with both slopes and cross slopes, main features including leachate seepage points, stormwater pathways, closed cells and active working faces, ...etc.
- e. Conduct geotechnical investigations for existing landfill footprints (e.g. filled cells) to identify stability gaps/risks and required actions, and covering proposed extension area, and
- f. Analyze hydrogeology, meteorology, and environmental risks.

3.2. Conceptual & Preliminary Design for Landfills' Expansion:

For both sites (Zahrat Al-Finjan and Al-Minya), the conceptual design shall include simulation of how the site will change in shape during construction indicating internal accessibility and movements of construction contractor and landfill operator, in addition to leachate and stormwater diversion/management during construction in case of rainfall events, in addition to the bottom liner, leachate and gas collection systems and the final shape of the expansion area upon closure. The design shall consider all land lots owned by the JSCs and that are surveyed in the previous stage. Once conceptual design is approved by the client, preliminary design for can proceed. For both sites, the preliminary design for landfills' expansion shall include:

- a. Conceptual layouts for expansion areas, with void space available under each alternative considering applicable regulations, standards, and best practices in terms of side slopes, slope stability, and constructability.
- b. Minimum anticipated void space is 1.5 million cubic meters for each site; this figure will be subject to the outcome of field investigation and alternative layouts; the consultant is expected to explore all possible scenarios including the possibility of processing old waste to increase void space; all scenarios shall be subject to sound value engineering practices.
- c. Evaluate design alternatives for:



- Infrastructure: overall site improvements with stormwater management, channels, roads, and other needed infrastructure to serve safe and environmental operation of the landfill.
 - Lining Systems: evaluate different packages based on value engineering practices.
 - Leachate Management and Treatment: consider the need of each site and the advantages of available technologies and approaches, using value engineering and life cycle; focusing on both CAPEX and OPEX of each alternative, the consultant shall evaluate leachate management options: on-site vs. off-site, biological vs. physico-chemical, membrane, etc. the Consultant shall provide preliminary design alternatives for full treatment process including: (i) leachate collection and conveyance system (pipes, sumps, pumps), (ii) equalization and storage tanks, (iii) pre-treatment units, (iv) main treatment (e.g., SBR, MBR, RO, etc.), and (v) final discharge or reuse system, exploring the potential transport to wastewater treatment plants, all subject to economic feasibility and within applicable laws and regulations.
 - Ditto, but for Gas Management System: the consultant shall estimate landfill gas generation using acceptable models and shall assess gas composition and expected flow rates over landfill lifecycle. The preliminary design shall assess alternatives for gas collection (vertical and/or horizontal wells), conveyance piping and blowers, and gas treatment (moisture removal, particulate filtration), energy recovery, and flaring.
- d. Cost estimates of alternatives and construction phasing; including for environmental and social mitigation and management.

3.3. Conceptual & Preliminary Design for Landfills' Rehabilitation & Closure:

Considering that both sites are active and shall remain active throughout construction activities, the outcome of 3.1 and 3.2 shall be used to develop concept approach for the rehabilitation of both sites considering the more complex site of Zahrat Al-Finjan landfill, Such concept shall provide all possible scenarios to develop the site with minimum disruption and minimum risks; considering the relatively large number of municipal trucks entering the site corresponding to the relatively amount of daily incoming MSW, the Consultant shall provide in the concept design clear approach to develop the entire site given the existing constraints and based on financial feasibility utilizing best value for money and best practices. The particular constraints involves, as provided in the background, the height and steep slopes in certain areas of the landfill with large volume of trucks moving in and out of the site, the location of extension area, and the need to maintain the site active in terms of receiving daily incoming MSW during construction, and the need to optimize the shape, depth, and final height of the entire waste mass, including the extension, to achieve maximum amount of safe void space. The conceptual design shall include simulation of how the site will change in shape during construction indicating internal accessibility and movements of construction contractor and landfill operator, in addition to leachate and stormwater diversion/management during construction in case of rainfall events. Once conceptual



design is approved by the client, preliminary design can proceed. For both sites, the preliminary design for rehabilitation and closure of existing cells shall include:

- a. Conceptual layouts for the rehabilitation and closure of existing cells considering the different existing conditions in both sites meeting applicable regulations, standards, and best practices in terms of side slopes, slope stability, and constructability.
- b. Connect the preliminary design for rehabilitation with the expansion designs (previous section 3.2) in terms of sequencing the different activities to minimize risks considering that the rehabilitation work could be implemented by different contractor wither in parallel or in sequence depending on the findings of outputs under sections 3.1 and 3.2 and the site specific constraints.
- c. Evaluate design alternatives for:
 - Infrastructure: overall site improvements with stormwater management, channels, roads, and other needed infrastructure to ensure sanitary disposal of incoming waste.
 - Final Cover Systems: evaluate different packages based on value engineering practices optimizing side slopes and overall shape of existing active cells to maximize safe capacity.
 - Leachate Management: for existing cells during the construction of the expansion area and after closure of existing cells.
 - Gas Management System: the consultant shall estimate landfill gas generation from existing cells subject to rehabilitation and closure using acceptable models and shall assess gas composition and expected flow rates over landfill lifecycle. The preliminary design shall assess alternatives for gas collection (vertical and/or horizontal wells), conveyance piping and blowers, and gas treatment (moisture removal, particulate filtration), energy recovery, and flaring.
- d. Cost estimates of alternatives and construction phasing; including for environmental and social mitigation and management.

3.4. Detailed Design for Expansion:

The consultant shall commence with the detailed design once the client approves the preliminary designs. Two distinct detailed design packages shall be developed for Zahrat Al-Finja and Al-Minya sites, consisting of the following:

- a. Landfill extension cells, including liners and drainage systems.
- b. Daily Operation Plan: for the expansion area indicating filling sequence shapes at 6-month increment.
- c. Leachate collection, storage, and treatment systems.
- d. Gas collection and flaring/utilization systems, including location, sampling mechanism and sampling plan.
- e. Stormwater management systems.
- f. Overall Site facilities and auxiliary infrastructure as needed: roads, fencing, buildings, security, weighbridge, etc.
- g. Final closure plan with cover system detailed design and post closure management systems.



- h. Material requirements and storage sites: indicating locations for storing crushed stone, excavated materials, and location of contractors and supervision temporary offices.
- i. Final Design Report: accommodating all remarks provided by the Client and supplemented with full calculation sheets.

3.5. Detailed Design for Rehabilitation and Closure:

The consultant shall commence with the detailed design once the client approves the preliminary designs. Two distinct detailed design packages shall be developed for Zahrat Al-Finja and Al-Minya sites, consisting of the following:

- a. Rehabilitation and capping of filled cells, including reshaping works to achieve optimum and safe slopes, with access roads for post-closure.
- b. Daily Operation Plans: for the rehabilitation process indicating working zones and rotation of operations with clear sequence of activities that eliminate any potential risks arising from maintaining the daily operations of incoming waste to either the active cells or expansion cells depending on the specific conditions and constraints of each site.
- c. Leachate Management: during the rehabilitation and after closure of existing cells.
- d. Gas collection and flaring/utilization systems, including location, sampling mechanism and sampling plan.
- e. Stormwater management systems: during rehabilitation and after closure.
- f. Final closure plan with cover system detailed design and post closure management systems.
- g. Final Design Report: accommodating all remarks provided by the Client and supplemented with full calculation sheets.

3.6. Bidding Documents:

Upon the Client's approval of the final detailed design and design report, the Consultant shall develop and submit four bidding documents packages, two for each site, in line with MDLF procurement manual and guidelines. The bidding documents shall be submitted in editable format (word, excel, AutoCAD) and in portable document format (PDF) and shall consist of the following:

3.6.1. For Expansion Work (two packages, one for each site):

- a. Final design report.
- b. Complete set of approved final drawings resulting from the detailed design.
- c. Technical specifications and methodologies.
- d. Detailed Bills of Quantities (BoQs); both estimate priced and unpriced.
- e. Construction time schedule and general construction work plan.

3.6.2. For the Rehabilitation and Closure Work of Existing Cells (two packages, one for each site):

- a. Final design report.
- b. Complete set of approved final drawings resulting from the detailed design.
- c. Technical specifications and methodologies.
- d. Detailed Bills of Quantities (BoQs); both estimate priced and unpriced.
- e. Construction time schedule and general construction work plan.



Note:

The designs will be subject to independent review concerning environmental and social requirements in line with the World Bank's environmental and social standards (ESS), and as provided below under "applicable laws" and as requested from local stakeholders like; EQA, MoH and PSI. The Consultant shall consider all environmental and social aspects in its design process and shall accommodate the feedback that may require changes in some design elements, since an Environmental and Social Management Plan (ESMP) will be developed, out of scope but in parallel with this service, it will rely on the design progress and the outcome of this service.

3.7. Landfill Operation Manual:

The consultant shall review and amend existing manuals at Zahrat Al-Finjan and Al-Minya Landfill sites, and shall strengthen and include the following elements:

- a. Waste acceptance criteria, waste handling and placement including medical and hazardous waste, waste daily coverage, leachate management (in SOP format), landfill Gas (LFG) management (in SOP format), stormwater management, environmental monitoring and reporting, occupational health and safety (OHS), emergency contact lists, equipment and maintenance, record keeping and documentation, contingency and emergency plans (particularly for fires and flood control), training program, closure, monitoring of closed cells and aftercare planning.
- b. Plan for slaughterhouse waste.
- c. Site layout drawings and cross-sections.
- d. Filling sequence plans: at 6-month increment showing the morphology of the waste mass.
- e. Monitoring Plan for accordance to existing auditing manual.
- f. Manual to be user friendly to the satisfaction of the Client, and prepared in both Arabic and English.

4. Team Composition & Qualification Requirements for the Key Experts:

The firm shall possess a strong design background with proven experience as the lead firm in the design of at least 3 major sanitary landfills over the last ten years of similar complexity with working knowledge in the MENA region.

4.1. Key Experts:

1. Team Leader.
2. Project Planner.
3. Geotechnical/Material Engineer.
4. Leachate and Gas Systems Specialist
5. Land Surveyor.
6. Draughtsman / Illustration Expert.
7. Environmental Expert.
8. Social Expert.



4.2. Qualifications and Work Experience:

4.2.1. Team Leader:

- Minimum BSc in civil engineering and MSc in environmental engineering or geotechnical engineering from an accredited university.
- At least 15 years of work experience as a team leader of landfills design
- Previous design experience of at least three (3) sanitary landfills.
- Previous experience in design and operation of landfill rehabilitation.
- Proven working experience with international design codes.
- Expertise in landfill construction materials and geocomposites, with expert knowledge with latest industry trends.
- Wide experience in assessment, data collection, monitoring and evaluation.
- Excellent analytical and writing skills.
- Membership in national or international professional bodies such as ISWA and ASCE.
- Fluent in English, working knowledge in Arabic is a plus.

4.2.2. Project Planner:

- Minimum BSc in civil engineering and MSc in construction management from an accredited university.
- At least 10 years of work experience in a similar position.
- Previous planning and management experience of at least two (2) sanitary landfills or equivalent.
- Demonstrated experience in project planning and task scheduling, professional user of Primavera or MS project software.
- Proven experience in cost estimates and economic analysis.
- Excellent analytical and writing skills.
- Fluent in English, working knowledge in Arabic is a plus.

4.2.3. Geotechnical / Material Engineer:

- Minimum BS'c degree in geotechnical engineering from an accredited university.
- At least 15 years of work experience in a similar position with proven contribution to landfill design and construction.
- Professional user of slope stability analysis software.
- Expertise in landfill construction material products including liners, geocomposites, geonets, filter aggregates, base, soil and cover materials.
- Fluent in English, working knowledge in Arabic is a plus.

4.2.4. Leachate and Gas Systems Specialist:

- At least BS'c degree in mechanical or electromechanical engineering from an accredited university.
- At least 15 years of work experience in a similar position with proven contribution to landfill design and construction.



- Previous design experience of at least three (3) sanitary landfills or equivalent related to gas and leachate system components.
- Excellent experience in computer-based control systems.
- Excellent experience in installation and operation of pumping stations.

4.2.5. Land Surveyor:

- Minimum Diploma in land surveying from a recognized college/ institute.
- Licensed land surveyor in the West Bank.
- Demonstrated practical experience of no less than 15 years in the field of work.
- Expertise in the use of total station and relevant engineering software such as AutoCAD and GIS.

4.2.6. Draughtsman / Illustration Expert.

- Minimum Diploma in drafting and design from a recognized college/ institute.
- Demonstrated practical experience of no less than 8 years in drafting and design works, contributing as the chief draughtsman for the design of at least 2 landfills.
- Expertise in 3d modeling.
- Professionally trained user of Autodesk family software primarily Civil 3d in addition to other 2d and 3d modeling software.

4.2.7. Environmental Expert.

- Minimum BS'c degree in environmental engineering from an accredited university.
- At least 10 years of work experience in a similar position with proven contribution to landfill design and construction.
- Proven experience in environmental assessment for solid waste management facilities.
- Expertise in international guidelines including the World Bank's Environmental and Social Standards (ESS), and World Bank's Environmental, Health, and Safety (EHS) Guidelines for Waste Management Facilities and the ILO's Code of Practice for Solid Waste Management, and (ISO 45001:2018).
- Fluent in English, working knowledge in Arabic is a plus.

4.2.8. Social Expert.

- Minimum BS'c degree in social science from an accredited university.
- At least 10 years of work experience in a similar position.
- Proven experience in social assessment for solid waste management facilities.
- Expertise in international guidelines including the World Bank's Environmental and Social Standards (ESS).
- Fluent in English, working knowledge in Arabic is a plus.



5. Communication, Reporting and Deliverables, and Payment Schedule:

The Consultant shall sustain continuous and prompt communication with the Municipal Development and Lending Fund (MDLF) to ensure a clear understanding of the different deliverables. Deliverables are subject to clearance from national line ministries such as the Ministry of Local Government (MoLG) and the Environment Quality Authority (EQA), in addition to the Joint Service Councils and the World Bank; therefore, the Consultant is expected to join multiple meetings in person and online to present deliverables and showcase the different alternatives. The language of all reports and correspondence shall be English. Additionally, the Consultant shall prepare Arabic versions of the executive summaries, site assessment summary reports, and the Landfill Operation Manuals, to ensure accessibility for municipal staff and landfill operators. and all deliverables shall be submitted in editable format (MS Word, Excel, PowerPoint, AutoCAD) and in portable document format (PDF). The reporting requirements are summarized below:

Deliverable	Timeline from Contract Authorization
1. Inception Report	2 Weeks
2. Site Assessment Report – Zahrat Al-Finjan	6 Weeks
3. Site Assessment Report – Al-Minya	6 Weeks
4. Conceptual Design for Expansion – Zahrat Al-Finjan	10 weeks
5. Conceptual Design for Expansion – Al-Minya	10 weeks
6. Preliminary Design for Expansion – Zahrat Al-Finjan	14 weeks
7. Preliminary Design for Expansion – Al-Minya	14 weeks
8. Preliminary Design for Rehabilitation & Closure – Al-Minya	20 Weeks
9. Preliminary Design for Rehabilitation & Closure – Zahrat Al-Finjan	20 Weeks
10. Detailed Design – Zahrat Al-Finjan	24 weeks
11. Detailed Design – Al-Minya	24 weeks
12. Bidding Documents Package - Zahrat Al-Finjan	26 weeks
13. Bidding Documents Package – Zahrat Al-Finjan a. Package (1) Expansion b. Package (2) Rehabilitation and Closure	26 weeks
14. Bidding Documents Package - Al-Minya a. Package (1) Expansion b. Package (2) Rehabilitation and Closure	26 weeks
15. Landfill Manual – Zahrat Al-Finjan	30 weeks
16. Landfill Manual – Al-Minya	30 weeks
17. Final Design Reports for Zahrat Al-Finjan & Al-Minya SLFs.	30 weeks



Payments for this assignment will be made upon the acceptance of the Client (MDLF) and will be arranged according to the following:

Payment (1) 10% of the contract value will be paid after the submission to and approval by the MDLF of the Inception report.

Payment (2) 30% of the contract value will be paid after the submission to and approval by the MDLF of the Preliminary Design Report for Zahrat Al-Finjan and Al-Minya SLFs.

Payment (3) 40% of the contract value will be paid after the submission to and approval by the MDLF of the Detailed Design Report for Zahrat Al-Finjan and Al-Minya SLFs including Bidding Documents Packages.

Payment (4) 20% of the contract value will be paid after the submission to and approval by the MDLF of the Landfill Manuals and Final Design Reports for Zahrat Al-Finjan and Al-Minya SLFs.

6. Guidelines & Standards

- Palestinian Environmental Law, Council of Ministers' Decision No. 3 of the year 2019 concerning Solid Waste Management, and the Ministry of Local Government technical regulations
- World Bank Environmental and Social Framework (ESF).
- IFC/WB Environmental, Health and Safety (EHS) Guidelines for Waste Management.
- Design documents to be submitted in editable format with detailed calculations.
- Cad work to be conducted using Autodesk® Civil 3d including surface building and volume calculations.

7. Selection of Consultants and Contracting

Consultants will be selected in accordance with Quality and Cost Based Selection (QCBS) procedures of the Guidelines for the Selection and Employment of Consultants by World Bank Borrowers. Procurement for this consultancy service assignment will be carried out in accordance with the World Bank's Procurement Regulations for IPF Borrowers, Fifth Edition September 2023, first published in July, 2016; and the "Guidelines on Preventing and Combating Fraud and Corruption in Projects Financed by IBRD loans and IDA Credits and Grants" dated January 2011. The contract shall be A Lump sum (presented by task) including the fee and reimbursable expenses. Payments will be linked to the completion of each task. The consultant shall propose a detailed work plan describing the activities in detail and corresponding cost all inclusive. The duration of the assignment shall be 7 months from the date of authorization to start.



8. Relevant Documents

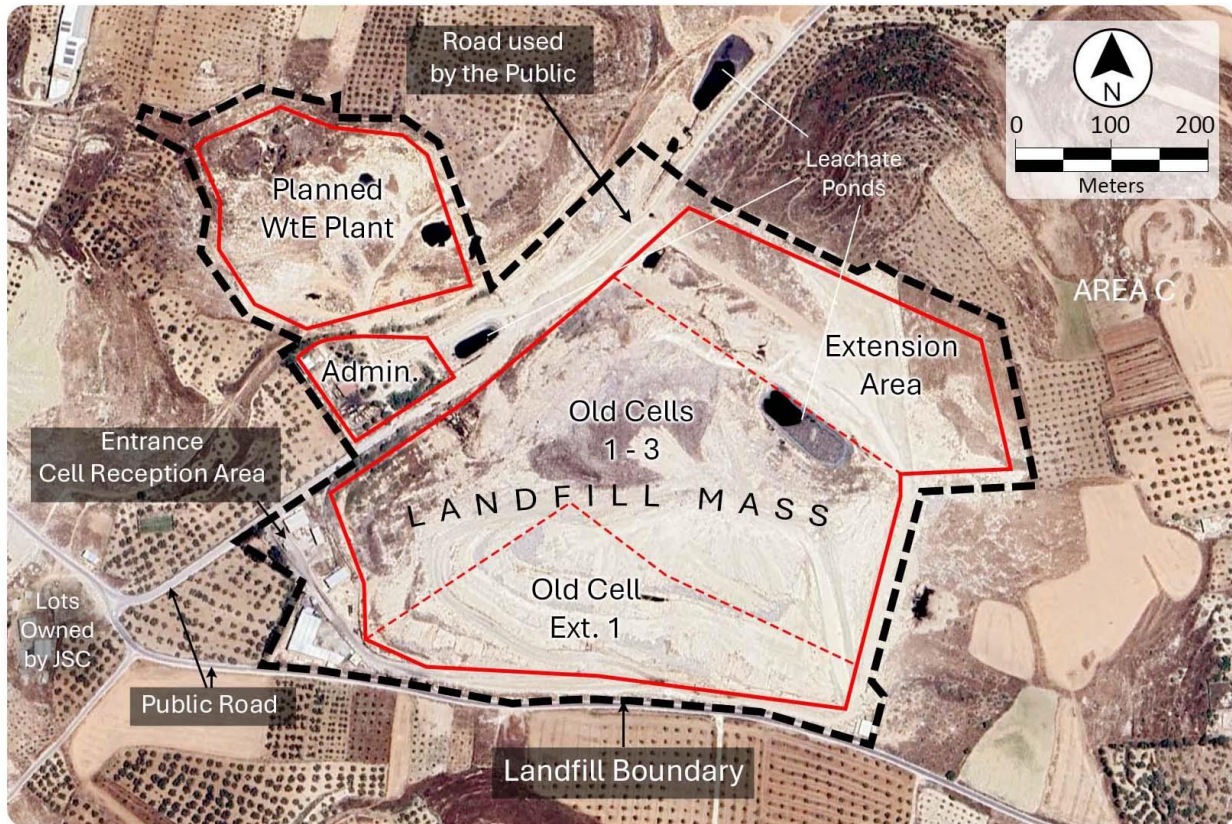
The following documents are essential for the assignment:

- (1) Environment and Social Audit Report for Zahrat Al-Finjan Sanitary Landfill:
[https://www.mdlf.org.ps/Document/Zahrat%20Al%20Finjan%20Landfill%20ES%20Audit.docx%20\(1\)-compressed.pdf](https://www.mdlf.org.ps/Document/Zahrat%20Al%20Finjan%20Landfill%20ES%20Audit.docx%20(1)-compressed.pdf)
- (2) Environment and Social Audit Report for Al-Minya Sanitary Landfill:
<https://www.mdlf.org.ps/Document/AlMinya%20Landfill%20ES%20Audit.docx.pdf>
- (3) Other documents will be available for the selected Consultant upon request.



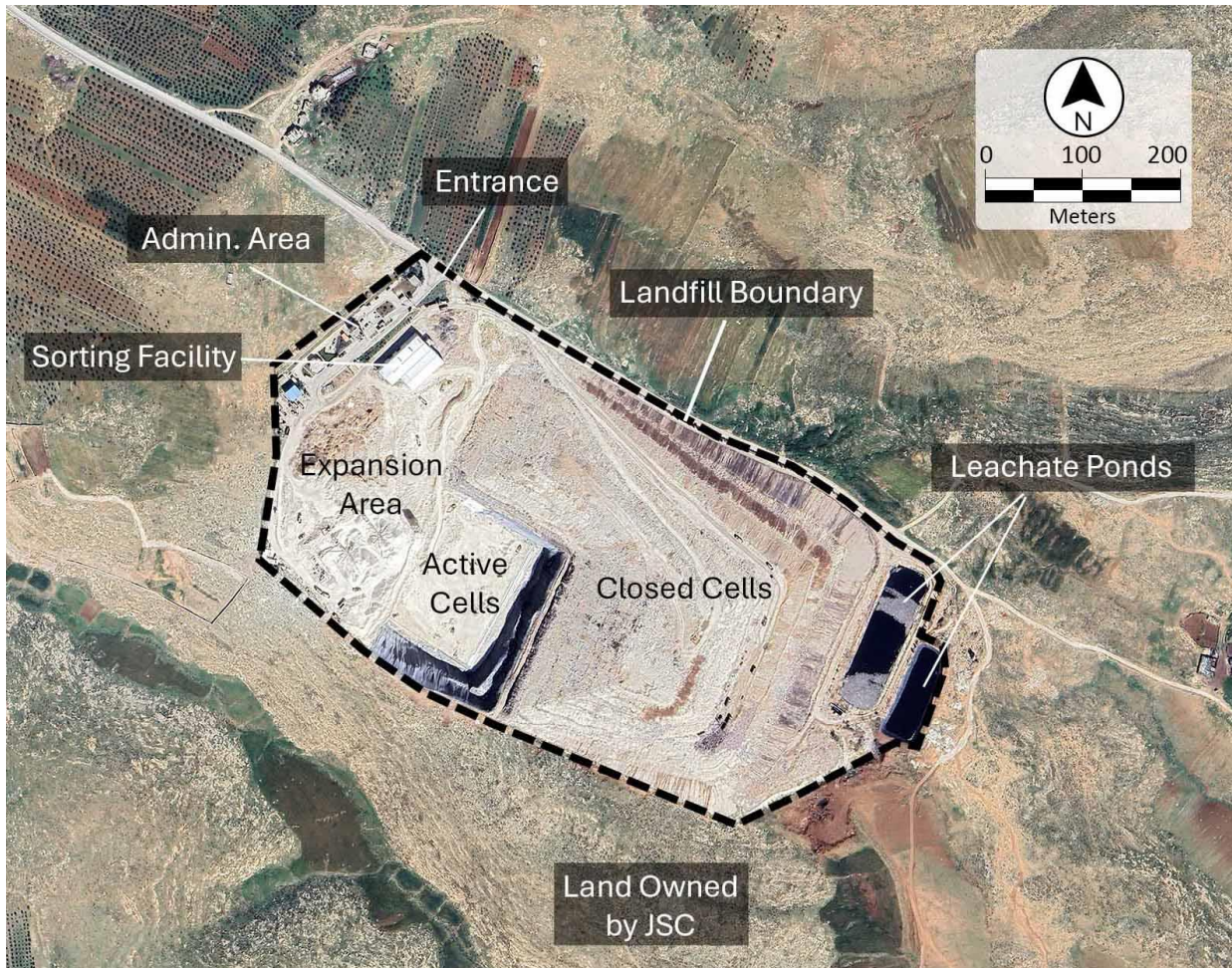
Annex 1: Site Maps

Zahrat Al-Finjan Landfill
For illustration purposes only
Google earth® coordinates: 32°22'47.49"N, 35°12'28.19"E





Al-Minya Landfill
For illustration purposes only
Google earth® coordinates: 31°37'2.16"N, 35°13'55.89"E





Al-Minya Landfill
For illustration purposes only
Land Parcels Owned by JSC

