

GREATER ACCRA RESILIENT AND INTEGRATED DEVELOPMENT (GARID) PROJECT TERMS OF REFERENCE

CONSULTANCY SERVICE FOR A PRE-FEASIBILITY STUDY FOR THE RECLAMATION OF CONTAMINATED LAND (DUMPSITE) IN OLD FADAMA, ACCRA

1.0 Introduction

The Government of Ghana has secured funding from the World Bank to finance the Greater Accra Resilient and Integrated Development (GARID) Project. The Project Development Objective (PDO) is to improve flood risk management and solid waste management in the Odaw River Basin of the Greater Accra Region, and improve access to basic infrastructure and services in targeted communities within the Basin. The project will invest in flood mitigation measures within the Odaw River Basin of the Greater Accra Region for six years (2020–2025). It focuses on developing sustainable capacity for flood risk management and mitigating the flood risk for a 10-year period within the Odaw River Basin. Additionally, the project will achieve flood mitigation by supporting reduction of solid waste entering the Odaw primary channel and key tributaries by improving Solid Waste Management (SWM) capacity. To ensure sustainable improvement of the living environment within highly vulnerable flood-prone low-income communities, the project will support participatory urban upgrading in three targeted communities located in high flood-prone areas.

The Project comprises five interrelated components (1) Drainage and flood management improvements within the Odaw Drainage Basin, (2) Improvements in solid waste management capacity including minimizing solid waste in waterways, (3) Participatory Upgrading of Targeted Flood Prone Low-Income Communities and Local Government Support (4) Project Management; and (5) Contingent Emergency Response (CERC).

Component 1: Climate Resilient Drainage and Flood Mitigation Measures

This component led by Ministry of Works and Housing (MWH), and includes structural improvements of drainage systems, and floodwater management through upstream water conservation, development of flood retention areas, as well as improving early flood warning and response capacity in Greater Accra Region. Specific activities to be implemented under this component include:

- Improvements in urban drainage and flood management in Odaw drainage basin through dredging and de-silting of the Odaw channel;
- Improvement of drainage systems (i.e. widening of Odaw river outlet to the sea; lining of major drainage channels; and construction of selected secondary channels in the Accra Metropolitan Area);
- Development of flood water retention areas; and

- Improvements in flood response systems through better infrastructure for flood forecasting and warning systems.

Component 2: Solid Waste Management Capacity Improvements

Activities under component 2, which is under the purview of Ministry of Sanitation and Water Resources (MSWR) are community-focused, targeting areas that have been selected for investment in drainage and sanitation. Sub-activities under this component include:

- Improving community-level solid waste management through provision of waste bins and skips and technical services for solid waste collection;
- Community mobilization and awareness raising;
- The application of a results-based incentive approach to enhance waste management and good sanitation practices; and
- Improving solid waste management capacity in Greater Accra by identifying, assessing and improving waste collection, treatment and disposal facilities.

Component 3: Participatory Upgrading of Targeted Flood Prone Low-income Communities, and Local Government Support

This component will be jointly led by Ministry of Inner City and Zongo Development (MICZD) and Ministry of Local Government and Rural Development (MLGRD).

The first part of the component, which is to be implemented by MICZD, will identify highly flood-prone informal settlements and Zongos to benefit from participatory community upgrading. Sub-activities under this component include:

- Participatory community upgrading in selected flood prone areas within the Odaw drainage basin through upgrading of basic infrastructure and services through geospatial and social vulnerability diagnostics;
- Community engagement and technical advisory services; and

The MLGRD is to implement the second part, thus Metropolitan Governance and Operation and Maintenance Improvements, which includes the following;

- ✓ Establishing and institutionalizing inter-jurisdictional coordination among local governments
- ✓ Assessing and improving O&M of drainage infrastructure at the local level
- ✓ Providing annual local capacity support grants as incentives to the participating local governments.

Component 4: Project Management

This component will support project management activities of implementing entities and preparatory studies for subsequent phases of the GARID project.

Specifically, this component will support activities including:

- Technical assistance, equipment, training and operating costs for the Project Coordination Unit (PCU), Project Implementation Units (PIUs) in implementing agencies, and Municipal Planning and Coordination Unit (MPCUs) in MMAs;
- Establishing and implementing a comprehensive monitoring and evaluation (M&E) system;
- Training of the implementing agencies in environmental and social management, grievance redress, procurement and financial management.

The Component also supports planning for the next project phase through technical assistance, feasibility studies and prepare detailed designs for implementation and other studies identified and agreed during implementation.

Component 5: Contingent Emergency Response Component (CERC)

The CERC will allow for the rapid reallocation of funding between project components, following an emergency. CERC will strengthen the level of disaster preparedness by eliminating the need for time-consuming bureaucracy in the immediate aftermath of a crisis, when the government is in urgent need of quick liquidity.

2. Background of the Old Fadama Project

Old Fadama is Thirty-one (31) hectares in size, alongside the Odaw River and within the Korle Lagoon catchment basin with an estimated population of about One Hundred Thousand (100,000) people. The population is young with four-fifths being under the age of Thirty-five (35). In terms of ethnicity, Forty-nine (49) percent of the inhabitants are Dagombas. Old Fadama is home to one of Accra’s biggest markets, serving as the centre for “bulk breaking” activities, where food coming in from around the country is sold-on in smaller quantities. It attracts many people who earn their living in the informal sector.

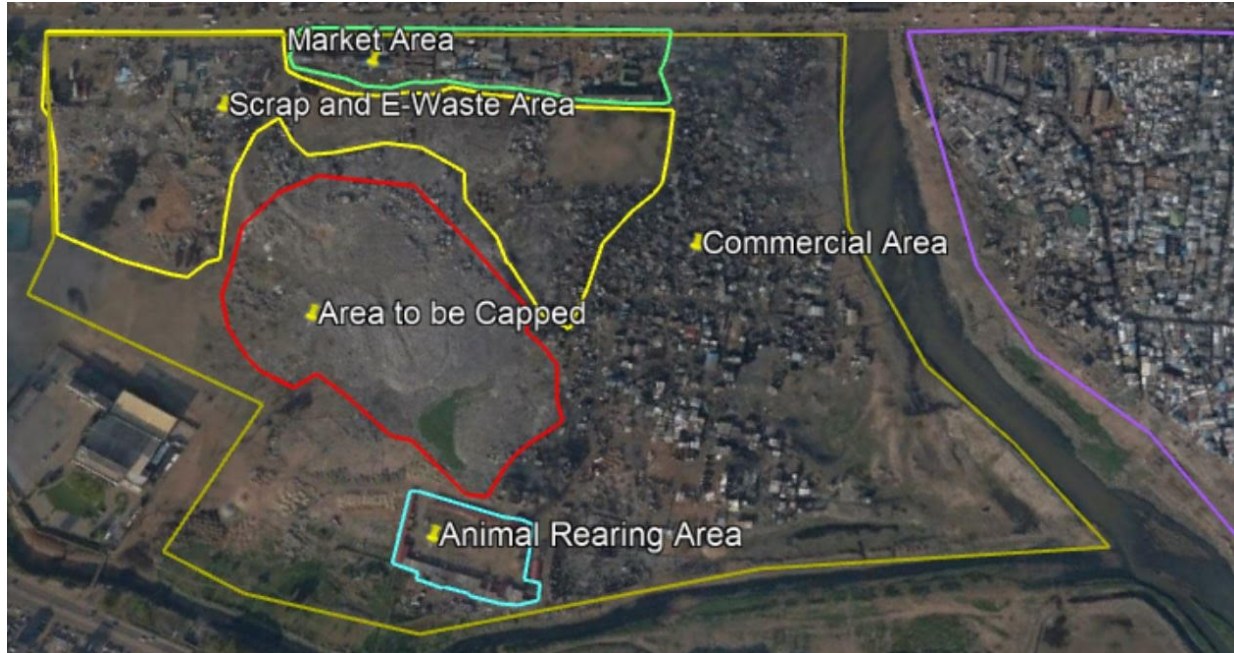
Old Fadama can be demarcated in two zones: the Residential and Commercial Areas (Figure 1). The GARID Project intends to conduct a pre-feasibility study to reclaim to reclaim the contaminated land (the Old Fadama dumpsite) which was officially closed in January 2018, but is still partially active. However, with the myriad of activities and land uses within the larger vicinity of the old dumpsite, it is imperative as a first step, to discuss with the communities and envision a comprehensive rehabilitation strategy for the entire commercial area, which will be instrumental for the successful reclamation of the land affected by the dumpsite. The area currently comprises the old dumpsite (5.56ha), the market area (1.86ha), a livestock rearing area (0.79ha), handling sites (2.1ha), scrap and e-waste trading site and the mechanics area (7.11ha)¹.

This Terms of Reference (TOR) is designed to inform a pre-feasibility study which will consolidate various strategies and assess the technical, economic, environmental and social sustainability considerations of

¹ Approximate estimates.

each strategy with the aim of producing a successful reclamation of the land affected by the dumpsite for future uses.

Figure 1. Old Fadama in Perspective



3. Objective(s) of the Assignment

The objective of the assignment is to conduct a pre-feasibility study towards the reclamation of contaminated land (dumpsite) at Old Fadama.

4. Scope of Services

The proposed study will provide a situational analysis of current conditions at Old Fadama, specifically the proposed area to be reclaimed (dumpsite) and its immediate surroundings (between International Central Gospel Church and the Odaw Channel). The study would develop and consolidate the various ideas that will constitute a high-level rehabilitation strategy of the **commercial part of Old Fadama**, and, based on the strategy along with other technical, economic, environmental and social considerations, develop feasible, acceptable (by the communities) and sustainable (in the short, medium and long-term) solutions for reclamation of the dumpsite.

The study will include the following parts but not limited to:

4.1 Technical Considerations

4.1.1 Composition and Volumes of Current and Historical Waste

The study will, among others:

- (i) carry out an assessment to determine the volumes and types of waste that have been deposited on the site over the years;
- (ii) determine the location and extent of the various waste types;
- (iii) undertake a characterization assessment of the waste e.g. but not limited to e-waste, industrial waste (e.g. hydrocarbons, solvents, etc.), liquid waste, municipal solid waste, abattoir waste, etc. including the level of decomposition and the existence or otherwise of toxic elements. This would guide decisions on the appropriate actions to be taken to rehabilitate and cover the site towards potential development.

4.1.2 Geotechnical and Hydrogeological Studies

The study will, among others:

- (i) carry out hydrogeological studies including a geophysical assessment to obtain the depth and flow of the ground water and the potential pollution flow paths, intrusion of contaminants or leachate into the groundwater regime;
- (ii) undertake geotechnical investigations as appropriate to obtain the necessary soil formation at the base and surroundings of the old dumpsite and to help in the characterization of the waste;
- (iii) Determine through groundwater modeling and plume flow whether the pollution from the site is impacting on the quality of the Odaw River;
- (iv) Determine the stability of the site.

4.1.3 Drainage and Leachate Management

The study will, among others:

- (i) carry out a detailed assessment of drainage in and around the site to determine how rainwater will be managed to prevent further intrusion into the ground;
- (ii) carry out an assessment of the quality of leachate at the site and to propose leachate collection, treatment/management measures.

4.1.4 Site Accessibility

The study will, among others:

- (i) carry out an assessment of current access to the site and measures that should be taken to limit the access by grazing and stray animals, vehicles, loiterers, informal waste pickers, and other parties who have no permission to access the site;
- (ii) determine measures to be undertaken to reduce encroachment on the site for the different categories of human activities taking place there, and for the safety of the people involved in those activities;
- (iii) determine the future potential access arrangements to the site taking into account the proposed land uses that will be adopted.

4.1.5 Environmental Management

The study, will among others:

- (i) undertake an assessment of the human activities on the site and determine the impacts, mitigation and remediation measures that will be undertaken to improve the immediate environment of the dump site and its neighbouring areas around the Odaw channel, as well as the impacts on flora and fauna;
- (ii) undertake an assessment of animal husbandry activities and propose measures to be put in place to eliminate the rearing and grazing of animals on the site;
- (iii) undertake an assessment of the impact of the dumping of all categories of solid waste on the site and the impacts of open defecation and propose measures to be put in place to stop the practice in the short, medium and long-term.

4.1.6 Analysis of Contaminants

The study, will among others:

- (i) undertake an assessment to test and determine the existing levels of contaminants of from metals and metalloids, alkanes, aromatic hydrocarbons, aromatics, dioxins, brominated dioxins and furans (PBDD/Fs), Polychlorinated biphenyls (PCBs), brominated flame retardants {Polybrominated diphenylethers (PBDE) and hexabromocyclododecane (HBCD)}, short chained chlorinated paraffins (SCCPs), brominated flame retardants and other persistent organic pollutants (POPs).;
- (ii) undertake an assessment of the impact of the contaminants from metals and metalloids, alkanes, aromatic hydrocarbons, aromatics, dioxins, brominated and chlorinated dioxins, dioxin like PCBs, PBDE, HBCD, SCCPs, and other persistent organic pollutants (POPs) on the site and propose measures to address the effects in the short, medium and long-term.

4.2 Socio-Economic Considerations

4.2.1 Existing Land Use Arrangements

The study will, among others:

- (i) identify the existing land use types and assess the general extent (coverage) of the predominant land use types;
- (ii) assess the general arrangement of land uses within the study area with a view to identifying existing land use conflicts;
- (iii) identify and assess existing formal or informal land use conditions and management arrangements (including provisions of any easement agreements, street dedications, entitlements, public and/or private utility easements, licenses, declarations of covenants, conditions and restrictions, and other similar provisions);
- (iv) identify the general formal or informal land ownership, occupancy and tenurial arrangements (if any).

4.2.2 Livelihood and Economic Activities

The study will, among others:

- i) identify and assess the types and general conditions of operations of livelihood and economic activities in the study area;
- ii) assess the types of impact reclamation of land will have on livelihoods and economic activities and estimate the number of affected persons
- iii) assess the monthly incomes and expenditures of operators of livelihood and economic activities within the study area; and
- iv) identify and assess challenges facing operators of livelihood and economic activities within the study area;

4.2.3 Built Environment and Public Infrastructure

The study will, among others:

- i) assess the general conditions (physical development, sanitary conditions, accessibility and mobility, resilience and sustainability, etc.) of the built environment within the study area and its immediate surrounding;
- ii) identify and inventory public and privately financed utilities and other essential infrastructure (schools, health facilities, toilet facilities, transportation amenities, water supply and sanitation systems, power supply systems, etc.) within the study area. The inventory must also identify the ownership and operation and management responsibility for the infrastructure;
- iii) assess the state and adequacy of public infrastructure within the study area;
- iv) identify and assess the conditions of use (including fees charged) of public infrastructure within the study area; and
- v) undertake a public infrastructure needs assessment of the inhabitants of the study area.

4.2.4 Potential for Resettlement and Livelihood Enhancement

Based on the findings from the above enquiries, the study shall:

- i) assess the potential for and scale of resettlement in any future improvement intervention within the study area; and
- ii) assess the potential for and scale of livelihood enhancements in any future development intervention within the study area.
- iii) identify and assess potential for community engagement and inputs including using local labour during future land reclamation and other related interventions

4.2.5 Other initiatives on-going and planned (e.g. MESTI, GIZ, etc)

The study will, among others:

- i) assess the other ongoing and planned initiatives in the study area and identify any synergies/complementarities and possible threats with efforts to reclaim the dump site;
- ii) propose measures to enhance synergies and mitigate possible threats on efforts to reclaim the dump site;

4.3 Community Governance and Institutions

4.3.1 Existing governance structure and interest groups

Among other things, the study shall:

- i) identify all existing (formal and informal) governance institutions within the study area and assess the relationships among them;
- ii) identify and assess the functionality of the existing governance structures within the study area; and
- iii) identify all interest groups (religious, social, tribal, ethnic, trade, etc.) within the study area and assess the relationships among them.

4.3.2 Consultation with various community groups/Institutions,

The consultant/consortium shall establish, and maintain throughout the study, multiple platforms to consult and engage community groups and institutions. Community engagements aspects of this assignment shall be coordinated with the NGO to be engaged in parallel by the project to facilitate stakeholder engagement and participation in project related activities at Old Fadama. It is critical that community engagement activities are closely coordinated with other actors already working at the site (notably MESTI, GIZ, KfW and University of Ghana) to avoid mixed messages and fatigue among residents. The selected mode of consultation and engagement shall take cognizance of all WHO, World Bank and National COVID-19 prevention and management protocols.

4.3.3 Relationship with local government authorities

The study shall identify and assess any relationship that exist between the local community and the local, regional and national government authorities that have jurisdiction over the study area. The assessment shall explore any historical events or interventions that have implication for the intended upgrading interventions.

4.4 Strategy for the Reclamation of Contaminated Land (Dumpsite) in Old Fadama

Based on the proposals/recommendations, the study shall develop a comprehensive strategy for the reclamation of contaminated land (dumpsite) in Old Fadama. The study would make proposals/recommendations for improvement in the following among others:

- i) Restructuring of land uses to inform proper land allocation;
- ii) Defining access that would facilitate efficient inter-relationships between various land uses/economic activities;
- iii) Limiting the impact of economic/livelihood activities on drainage and environmental management;
- iv) Determining basic infrastructure and facilities that would effectively support economic activities and livelihoods.
- v) The efficient management of sanitation impacts on livelihoods around the Odaw Channel
- vi) Generate ideas to inform operations and maintenance of infrastructure facilities in the area
- vii) Propose based on technical analysis above and consultation, future optimal use of reclaimed land.

The strategy document shall cover the following issues among others:

Overall Strategic Initiatives

- i) Areas of improvement (e.g. market, scrapyards, e-waste, livestock market, playing field, etc.)
- ii) Technical solutions (strategy level)
- iii) Costing of proposed technical solutions including operation and maintenance (O&M) measures
- iv) Community engagement approaches/strategy
- v) Institutional framework to support strategy implementation
- vi) Risk and Mitigation Measures
- vii) Phasing of Implementation of the Strategy

Sustainable Solutions for Closure, Capping and Land Reclamation

- i) Description of options (at least 3)
- ii) Technical solutions including inter alia landfill mining and land reclamation
- iii) Costing of the different options including O&M
- iv) Cost Benefit Analysis
- v) Risk and Mitigation Measures
- vi) Recommendations

5. Qualification Requirements

The assignment will require within the respective bidders, a multidisciplinary team of qualified experts who would be undertaking the technical assessments and the socio-economic assessments. Consultants may associate with other firms to cover the complementary areas relating to the technical aspects of landfill mining, environmental management and the socio-economic assessments to deal with the many challenges that have emanated from this particular location over the years.

The Consulting Firm consortium should have at least ten (10) years' complementary experience and track record in the technical assessment for landfill management, three of which should have been undertaken in the West African sub-region. The firm must have undertaken at least 5 assignments over the last ten (10) years and involving the combination of socio-economic surveys, hydrogeological studies, resettlement and livelihood restoration/enhancement assessments, and measurement of soil contamination. The firm must demonstrate prior experience in not less than three (3) assignments involving stakeholder engagement and community development related projects in Ghana and the sub-region. Lastly, the firm must have prior experience in working in slum communities, of which two (2) were undertaken in the last five (5) years.

The Firm must have in its team;

Key Staff

- a. Urban Planner (Team Lead)

Qualification

- A post-graduate degree in Urban Planning, Land Use Planning or a related field.
- Must be a member of a duly recognized professional body

General professional experience

- At least 10 years professional working experience
- At least 5 years' experience in urban planning or land use planning involving transport and infrastructure planning.

Specific professional experience

- Proven experience in urban planning or land use planning involving transport and infrastructure planning on at least three (3) projects;
- Previous experience working on a project(s) in at least two (2) slum communities in Ghana;

Language skills

- Excellent written and spoken English, as well as excellent communication and presentation skills.
- Must be able to speak and understand one of the predominant languages in the targeted community.

b. Social Development Specialist

Qualification

- A Master's degree in Sociology, Applied Anthropology, Social Work, Social Science or a related discipline
- Must be a member of a duly recognized professional body

General professional experience

- At least 10 years professional working experience
- At least 7 years' experience in public participation and stakeholder engagement, participatory planning, social impact assessments including gender and vulnerability analysis, and development of social management plans.

Specific professional experience

- Proven experience in leading at least 5 donor funded projects that involved undertaking public and stakeholder engagement assignments in Ghana.
- Participation in at least three (3) projects involving the preparation and implementation of stakeholder engagement plans/activities
- Previous experience working on a project(s) in at least two (2) slum communities in Ghana;

Language skills

- Excellent written and spoken English, as well as excellent communication and presentation skills.
- Must be able to speak and understand one of the predominant languages in the targeted community.

c. Sanitary/Solid Waste Engineer

Qualification

- A Master's degree in Civil, Sanitation or Environmental Engineering, Waste Management or a related discipline
- Must be a member of a duly recognized professional body

General professional experience

- At least 10 years professional working experience
- At least 7 years' experience in solid waste disposal and management in a developing country including Ghana.

Specific professional experience

- Proven experience in implementing at least 5 donor funded projects involving solid waste management in Ghana.
- Participation in at least three (3) projects involving the design of capping of solid waste disposal sites in Ghana.
- Previous experience working on a project(s) in at least two (2) slum communities in Ghana;

Language skills

- Excellent written and spoken English as well as excellent communication and presentation skills.
- Must be able to speak and understand one of the predominant languages in the targeted community.

d. Chemical Engineer

He/she must be a professional chemical engineer or possess an equivalent qualification and have at least 5 years in industrial chemistry, construction experience and a sound knowledge of natural materials. A postgraduate qualification in toxicology or forensic science is also required. Must have experience in the design of capping of solid waste disposal sites and analysis of chemical contaminants. Must have experience in contract of similar size and nature.

Qualification

- A postgraduate degree in Chemical Engineering, Toxicology or Forensic Science
- Must be a member of a duly recognized professional body

General professional experience

- At least 7 years professional working experience
- At least 5 years' experience in industrial chemistry, construction or analysis of natural materials

Specific professional experience

- Proven experience on at least 3 donor funded projects that involved the remediation and capping of solid waste disposal sites or contaminated land reclamation, design of capping of solid waste disposal sites and analysis of chemical contaminants

- Proven experience working on a project(s) that involved the remediation and capping of solid waste disposal sites or contaminated land reclamation,~~design of capping of solid waste disposal sites~~ and analysis of chemical contaminants
- Previous experience working on a project(s) in at least two (2) slum communities in Ghana;

Language skills

- Excellent written and spoken English as well as excellent communication and presentation skills.
- Must be able to speak and understand one of the predominant languages in the targeted community.

e. Environmentalist

Qualification

- A Master's degree in Environmental Science or Environmental Engineering or a related discipline
- Must be a member of a duly recognized professional body

General professional experience

- At least 10 years professional working experience
- At least 7 years' experience in environmental and sanitation baseline studies and/or assessment of environmental and sanitation related impacts of projects.

Specific professional experience

- Proven experience on at least 5 donor funded projects that involved undertaking environmental baseline studies or environmental impact assessment in Ghana.
- Participation in at least three (3) projects involving the remediation and capping of solid waste disposal sites or contaminated land reclamation~~he design of capping of solid waste disposal sites~~ in Ghana.
- Previous experience working on a project(s) in at least two (2) slum communities in Ghana;

Language skills

- Excellent written and spoken English as well as excellent communication and presentation skills.
- Must be able to speak and understand one of the predominant languages in the targeted community.

Support Staff

f. Geodetic Engineer

Qualification

- A Bachelor's degree in Geodetic or Geomatic Engineering or a related discipline
- Must be a member of a duly recognized professional body

General professional experience

- At least 7 years professional working experience
- At least 5 years' experience in surveying, spatial/geographic data collection and mapping.

Specific professional experience

- Proven experience on at least 3 donor funded projects that involved in surveying, spatial/geographic data collection and mapping in Ghana.
- Previous experience working on a project(s) in at least two (2) slum communities in Ghana;

Language skills

- Excellent written and spoken English as well as excellent communication and presentation skills.
- Must be able to speak and understand one of the predominant languages in the targeted community.

g. Geotechnical Engineer

Qualification

- A Bachelor's degree in Civil or Geotechnical Engineering or a related discipline
- Must be a member of a duly recognized professional body

General professional experience

- At least 7 years professional working experience
- At least 5 years' experience in soil mechanics or geotechnical design

Specific professional experience

- Proven experience on at least 3 donor funded projects that involved analysis of natural materials and soil mechanics or geotechnical design
- Proven experience working on a project(s) that involved the design of capping of solid waste disposal sites
- Previous experience working on a project(s) in at least two (2) slum communities in Ghana;

Language skills

- Excellent written and spoken English as well as excellent communication and presentation skills.
- Must be able to speak and understand one of the predominant languages in the targeted community.

Firm shall provide **certified copies of all certificates** of proposed staff and **contact information (names and phone numbers) for references** on all assignments/projects included in the proposal.

6. Backstopping and Quality Control

The home office of the firm shall provide continuous support to the team on the project and would be required to carefully review all outputs of the assignment including reports to ensure they are of the required quality before submitting them to the Client. The firm shall describe in its proposal, arrangements for backstopping and quality control and how quality control will be performed to guarantee the quality of all the expected outputs of the study.

7. Reporting Requirements and Time Schedule for Deliverables

The firm shall be engaged for the period of six (6) months with a total input of 30 man-months and shall report as follows;

a. Inception Reporting

Ten (10) hardcopies and a digital format on a Pen drive as Portable Document Format (PDF) shall be submitted not later than one (1) month after commencement date of the assignment and shall include but not limited to;

- Initial consultations with project stakeholders
- Analysis of data and unpacking the needs of the client;
- Work plan for the execution of the assignment;
- Detailed stakeholder engagement plan
- Stakeholder Map;
- Progress on work done to date;
- Desktop studies and preliminary findings from field investigations;

The consultant shall prepare a maximum of 40 slides with a 10-15 slide executive summary PowerPoint presentation to summarize the key issues in the inception report. The Client and its Stakeholders shall review the report within two (2) **weeks**.

b. Interim Reporting

Ten (10) hardcopies and a digital format on a Pen drive as Portable Document Format (PDF) shall be submitted not later than three (3) months after commencement date of the assignment and shall include but not limited to;

- Progress in engagement with key stakeholders and data collection
- Preliminary insights from analysis of data gathered;
- Progress in execution of assignment according to the approved work plan;
- Emerging Challenges

The consultant shall prepare a maximum of 40 slides with a 10-15 slide executive summary PowerPoint presentation to summarize the key issues in the inception report. The Client and its Stakeholders shall review the report within two (2) **weeks**.

c. Draft Reporting

Ten (10) hardcopies and a digital format on a Pen drive as Portable Document Format (PDF) shall be submitted not later than five (5) months after commencement date of the assignment and shall entail but not limited to;

- Situational Analysis on Technical, Socio-economic and Governance issues described in the Scope of Services.
- Stakeholder engagement activities and conclusions
- Proposals/recommendations for improvement or rehabilitation of the area
- Comprehensive strategy for reclamation of dumpsite including cost benefit analysis
- Sustainable Solutions for Closure, Capping and Land Reclamation including cost benefit analysis

The consultant shall prepare a maximum of 40 slides with a 10-15 slide executive summary PowerPoint presentation to summarize the key issues in the draft report. The report shall be reviewed within two **(2) week(s)** by the Client and its Stakeholders and relevant comments presented to the Consultant to be incorporated in the Final Report.

d. Final Reporting

Ten (10) hardcopies and a digital format on a Pen drive as Portable Document Format (PDF) shall be submitted not later than six (6) months after commencement date of the assignment and shall entail final versions of;

- Situational Analysis on Technical, Socio-economic and Governance issues described in the Scope of Services.
- Stakeholder engagement activities and conclusions
- Proposals/recommendations for improvement or rehabilitation of the area
- Comprehensive strategy for reclamation of dumpsite including cost benefit analysis
- Sustainable Solutions for Closure, Capping and Land Reclamation including cost benefit analysis

The consultant shall prepare a maximum of 40 slides with a 10-15 slide executive summary PowerPoint presentation to summarize the key issues in the final report.

8. Client's Input and Counterpart Personnel

The Client shall provide the following for use by the Consultant;

- Project Implementation Manual
- Project Appraisal Document
- Scoping Report for the Rehabilitation of Old Fadama Dumpsite
- Draft Environmental and Social Impact Statement for the Rehabilitation of Old Fadama Dumpsite.
- Environmental and Social Management Framework of the Project
- Resettlement Policy Framework of GARID Project

9. Communication

The Consultant shall report on all matters to the Project Coordinator (Project Coordinating Unit) and Chief Director of the Ministry of Works and Housing. The firm shall work in close collaboration with the Ministries of Inner City and Zongo Development (MICZD), Sanitation & Water Resources and Works & Housing for technical guidance and support.