



REPUBLIC OF GHANA

**MINISTRY OF SANITATION AND WATER
RESOURCES**

**PROJECT PROCUREMENT STRATEGY FOR DEVELOPMENT
(PPSD)**

**ADDITIONAL FINANCING TO GREATER ACCRA
METROPOLITAN AREA (AF-GAMA) SANITATION AND
WATER PROJECT**

(PROJECT ID: P171620)

**PROJECT PROCUREMENT STRATEGY
FOR DEVELOPMENT (PPSD)**

Prepared by

GAMA PROJECT TEAM - WORLD BANK COLLABORATION

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1. Project Overview

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|--|---|
| Country: | Ghana |
| Full Project Name: | <i>Additional Financing to Greater Accra Metropolitan Area (AF - GAMA) Sanitation and Water Project</i> |
| Implementing Agency | Ministry of Sanitation and Water Resources |
| Total Finance (\$): | US\$ 275 million |
| Original Project (P119063) | US\$ 150 million |
| Additional Financing (P171620) | US\$ 125 million |
| Summary of Project Development Objectives | The project will scale-up the gains made by the parent project by increasing access to improved sustainable sanitation and water supply in the Greater Accra Metropolitan Area (GAMA) and Greater Kumasi Metropolitan Area (GKMA), with emphasis on low income communities and to strengthen management of environmental sanitation in the GAMA |

A. Project Description

The original GAMA project (with financing amount of \$150 million and effective on August 7, 2014) aims to increase access to improved sanitation and water supply in the Greater Accra Metropolitan Area (GAMA), with emphasis on low income communities and to strengthen management of environmental sanitation in the GAMA. It was designed to support the country's commitment towards the provision of basic sanitation and water supply services which have not kept pace with both economic and population growth of GAMA, a situation which was particularly affecting people living in low-income areas. The shortfall in these basic services are aligned with the Water Supply and Sanitation Sector Board of the World Bank Group's mission of reducing poverty in developing and transition economies, which requires a focus on "Efficient Sustainable Water Supply and Sanitation Services for All". The proposed AF (in the amount of US\$125 million) will help to finance costs associated with expanding activities under the parent project's scope of access to improved sanitation and water to low income urban communities both within the GAMA and Greater Kumasi Metropolitan Area (GKMA) while at the same time supporting the ongoing sector reforms meant to improve WASH service provision geared towards achieving the SDGs. The funds will support the Government of Ghana to increase access to sustainable sanitation and water supply services to low income urban communities in Accra and Kumasi Metropolis which is in line with the Government's priority agenda of the sustainable water and sanitation to low income urban communities.

The Original Project Components

The original GAMA has the following four components mostly delivered through agreed deliverables:

1. **Component 1:** Provision of environmental sanitation and water supply services to priority low income areas of the GAMA
2. **Component 2:** Improvement and expansion of the water distribution network in the GAMA by improving and expanding the water distribution network in order to provide piped water to people living in targeted low-income communities.
3. **Component 3:** Planning, improvement and expansion of GAMA-wide environmental sanitation services developing integrated plans for liquid and solid waste management and drainage, and to finance critical elements to improve collection, treatment and disposal of wastewater and septic sludge.
4. **Component 4:** Institutional Strengthening - providing technical assistance to municipal, metropolitan and national institutions, including the promotion of private sector initiatives.

To date, the project performance has been rated satisfactory. Overall, the project is broadly on track to over-achieving its PDOs. Under the **Component 1**, the project has effectively provided a total of over 27,000 household toilets, benefiting over 218,000 low income target population and 386 Gender inclusive institutional toilet facilities to benefit 200,000 school pupils within the GAMA. The above result cumulated into an overall achievement of 143% out of the Project target of 19,100 household toilets.

Additionally, Construction of two proposed simplified sewerage system for two communities in *the Bankuman community in the Tema Metropolitan Assembly and Ashaiman New Town community in the Ashaiman Municipal Assembly* to connect a total of over 5000 household toilets is on-going under the parent project.

Component 2 of the Project involves the provision of improved water supply to over 400,000 low income population against a target of 250,000. The status of implementation of component 2 is as summarized below:

- i. An urban Water Supply Master Plan and a calibrated hydraulic network model has been prepared for GAMA.
- ii. A total of 281km of pipeline improvement works completed as against a target of 150km, leading to 10,242 private water connections.
- iii. Improvement in water service delivery to over 400,000 existing GWCL customers in GAMA

The Project has supported the establishment of a Low-Income Consumer Support Unit (LICSU) within the operations of Ghana Water Company Limited to foster and promote water supply service delivery to Low Income Urban Communities. The LICSU has been regularized and fully functional in GWCL. The Unit has since its birth established units in all 3 of GWCL's operational regions in GAMA (including Accra East, Accra West and Tema) and also in the Ashanti Region.

Component 3 has seen the development of an integrated GAMA-wide Master Plans for liquid waste to improve collection, treatment and disposal of wastewater and septic sludge. Under this component, improvement in drainage and flood control has been carried out including the North Odorkor/ Kaneshie 1st Light Culvert Drain; Mallam Junction Culvert Drain; Gbawe Culvert and Drains; Agbogba Culvert and Drains and several localized drains in selected flood prone areas in GAMA..

Under the **Component 4** the achievement of the project included the following: The capacity building team provided technical assistance on sanitation to the Ministry, PCU, Metropolitan and Municipal Assemblies including the Private Sector. Public Health Engineers, Environmental Health Officers, Planning Officers, Procurement officers and other relevant teams were trained in several technical topics to empower them deliver effectively and efficiently. Model bye-laws were developed and gazetted for seven Metropolitan and Municipal Assemblies in GAMA and also reviewed prosecution manual for environmental health and trained 150 prosecutors to strengthen law enforcement. Under this component, monitoring and evaluation mobile application software for sanitation was developed and deployed in the GAMA MMAs. The Expanded Sanitary Inspection Compliance and Enforcement Mobile Application Software (ESICApps) is a robust mobile based data collection, management, analyses and report generation information system. It incorporates geographic information system technologies to enable the geo-location on premises in the various communities. This tool is developed to ensure effective planning and monitoring of relevant indicators of Water, Sanitation and Hygiene and also provides platform for sanitation data management for MMDAs to plan more adequately for sanitation services.

The parent project has effectively increased access to improved sustainable sanitation and water supply in the Greater Accra Metropolitan Area (GAMA). It has so far achieved majority of its PDOs.

This proposed AF would continue to support MSWR to scale up, expand or deepen activities initiated under parent project by extending the gains of the parent project to additional beneficiaries in Greater Accra and Kumasi in pursuance of Government of Ghana's (GOG) agenda to make Accra "the cleanest city" and extending GAMA SWP approaches to other cities. Secondly, the AF will provide support to Ghana Water Company Limited (GWCL) to reduce its Non-Revenue Water (NRW) and improve its operational efficiency. This will help GWCL move towards becoming a financially viable utility capable of borrowing on its own balance sheet and sustaining its service provision. The AF will support the preparation for new scale-up national programmatic intervention in the sanitation sector. The AF would, thus, finance the completion of activities that were pending due to the financing gap resulting from SDR to USD exchange rate loss under the parent project. The proposed activities will complement and support other activities by the Government and Development Partners in the improvement of the WASH landscape. The project involves a comprehensive package of interventions for the **next four years**, aimed to maximize gains achieved in GAMA

and scale-up the results of the parent project for the benefit of GKMA, to help improve the WASH sector across the supply chain.

Some of the major activities that will emerge under the AF Project are detailed in Table one below:

Table 1: Proposed Activities under the project

| Component s | Activity | GAMA | GKMA | TOTAL | Proposed Approach |
|--------------------|--|-------------------|-------------------|-------------------|--------------------------|
| Component 1 | Construction of Household Toilets and School Toilets | | | | |
| Component 1.1 | Household Toilets - 30,000Nr in GKMA, 12,000Nr in GAMA | 7,200,000 | 18,000,000 | 25,200,000 | National Market |
| Component 1.2 | Institutional Toilets: 30units in GAMA and 120units in GKMA | 3,000,000 | 12,750,000 | 15,750,000 | National Market |
| | Sub-Total | 10,200,000 | 30,750,000 | 40,950,000 | |
| Component 2 | Improved Efficiency & Increased Access to Water Supply | | | | |
| Component 2.1 | Improvement in Operational Efficiency | 25,000,000 | | 25,000,000 | Open Market |
| Component 2.2 | Improvement in Distribution Network | 5,000,000 | 12,350,000 | 17,350,000 | National Market |
| Component 2.3 | Provision of House Connections | 2,700,000 | 5,300,000 | 8,000,000 | National Market |
| Component 2.4 | Support for Low-Income Customer Support Unit | 300,000 | 900,000 | 1,200,000 | National Market |
| | Sub-Total | 33,000,000 | 18,550,000 | 51,550,000 | |
| Component 3 | Planning and Improvement in Environmental Sanitation Services | | | | |
| Component 3.1 | Construction of Simplified Sewerage Systems | NIL | 10,000,000 | 10,000,000 | National Market |
| Component 3.2 | Processing of Sludge from Digesters | 1,000,000 | 2,000,000 | 3,000,000 | Open Market |
| Component 3.3 | Preparation of Plans for Improvement of Drainage Services | NIL | 3,000,000 | 3,000,000 | Open Market |
| | Sub-Total | 1,000,000 | 15,000,000 | 16,000,000 | |
| Component 4 | Project Management and Institutional Strengthening | | | | |
| Component 4.1 | Strengthening of WASH Sector Institutions | 500,000 | 2,000,000 | 2,500,000 | Open Market |
| Component 4.2 | Project Management | 500,000 | 4,000,000 | 4,500,000 | National Market |
| Component 4.3 | Behaviour Change Communication & Knowledge Management | 200,000 | 1,300,000 | 1,500,000 | National Market |

| | | | | | |
|---------------|------------------------|-------------------|-------------------|--------------------|-----------------|
| Component 4.4 | Capacity Building | 300,000 | 1,000,000 | 1,300,000 | Open Market |
| Component 4.5 | Operational Management | 1,000,000 | 2,500,000 | 3,500,000 | National Market |
| | Sub-Total | 2,500,000 | 10,800,000 | 13,300,000 | |
| | GRAND TOTAL | 49,700,000 | 75,300,000 | 125,000,000 | |

AF Changes to the Original Project Components

The AF supports the Government's prioritized agenda to increase access to sustainable sanitation and water supply services in GAMA and GKMA. It will follow the implementation arrangement and the four components implemented under the parent project as detailed below:

- Component 1:** (GAMA - US\$10.20 Million; GKMA - US\$ 30.75 Million); **aims at increasing access to sanitation service in priority low income areas with a strong focus on liquid sanitation (excreta disposal):** The objective of this component is to increase access to environmental sanitation services in low-income areas of the GAMA and GKMA, with a strong focus on liquid sanitation (excreta disposal). About 42,000 toilets will be constructed in selected low-income communities of GAMA (12,000) and GKMA (30,000) to estimated 300,000 beneficiary people. The project will benefit from follow the successful implementation of the component under the original project. Enhanced community sensitization and mobilization activities in Metropolitan and Municipal Assemblies (MMAs); eligible low-income households will be provided 70% support up to a maximum of US\$600 to make toilets affordable. A total of about 120 units of sanitation facilities will be provided to selected schools who either lack sanitation facilities or have facilities that were in dire shape across the MMAs in the GAMA and GKMA. The school sanitation facilities will follow the standard established and implemented under the original project which is MHM considerate and disability friendly and with separate blocks for boys and girls.
- Component 2:** (GAMA - US\$33.00 Million; GKMA - US\$ 18.55 Million); - **supports the expansion and rehabilitation of water distribution networks in selected areas of GAMA and GKMA and also improve the operational efficiency of GWCL:** The objective of this component is to improve and expand the water distribution network in GAMA and GKMA to improve water supply to an estimated 300,000 people living in GAMA and GKMA. About 120 km of pipe line will be laid and 10,000 new connections will be provided to selected low income communities. This component will also support operational efficiency improvement in GWCL and undertake NRW reduction activities in selected operational districts in GAMA. GWCL has identified Accra East Region (i.e. one of the 3 GWCL Operational Regions in charge of water supply to GAMA) for the NRW intervention. In addition to the support provided to GWCL in the implementation of the performance improvement program, the operational efficiency improvement work will include: network zoning and configuration, expanding the metering and integrating them with the existing Telemetry system, as well as provision of domestic water meters. Capacity building support will also be provided to the regional, and district staff in the form of

training, technical assistance, and equipping them with basic operating tools. This component will also support implementation of the performance improvement program GWCL is implementing with support from the World Bank under the utility of the future (UOF) initiative which seeks to support selected utilities in building a vision of the future of WSS and to support clients in turning this vision into reality as well as the field level leadership (FLL) which aims at complementing the GWCL PIP implementation to be inclusive and participatory. A baseline for Non-Revenue Water (NRW) will be established at the beginning of the project. For the first two years, GWCL will focus on the procurement of the service provider using Performance Based Contract and also commence with the implementation of interventions geared towards reduction of water losses in selected districts in GAMA. The target for NRW reduction will be 1.5% each year for the last three years. A cumulative reduction in NRW of 4.5% is therefore expected to be achieved at the end of the project.

3. **Component 3:** (GAMA - US\$1.00 Million; GKMA - US\$ 15.00 Million) - **supports the planning, improvement and expansion of sanitation services, including through wastewater and septic sludge management investments, and development of planning for integrated sanitation and drainage in GKMA:** The objective of this component is to develop integrated GKMA-wide plans for environmental sanitation and to finance critical elements to improve wastewater and septic sludge management. Simplified decentralized condominal sewerage systems will be provided for GKMA and processing of the sludge from digesters to convert them to useful products (circular economy) will be financed under this project. The original project financed drainage infrastructure at the Mallam junction to alleviate the perennial issue of flooding in and around Kaneshie area. The AF will finance works to improve drainage in the upstream and downstream areas of the drainage infrastructure completed at the Mallam junction to ensure uninterrupted and streamlined flow.
4. **Component 4:** (GAMA - US\$ 2.50 Million; GKMA - US\$ 10.80 Million) - **aims at institutional strengthening, providing technical assistance (TA) to municipal, metropolitan and national institutions, as well as promoting of private sector initiatives:** This component will provide Technical Assistance to MMAs and National Institutions. A study to assess the water supply sanitation and Hygiene (WASH) aiming at analysing the legal, institutional, and financial framework of WASH; identifying inefficiencies in the pursuit of GoG's goals and policies, and proposing options for policy, institutional, and regulatory adjustments, is being conducted under the original project. Implementation of the recommendations from the study and the ongoing effort in the MSWR to establish a sanitation authority will be supported under this component. Support will also be provided for project management and monitoring.

The scope and substance of this follow up project focuses on the following:

- (a) extending the results of the parent project to additional beneficiaries in Greater Accra Metropolitan Area and Greater Kumasi Metropolitan Area in pursuance of Government of Ghana's (GOG) agenda to make Accra "the cleanest city" and extending GAMA SWP approaches to other cities;
- (b) providing support to Ghana Water Company Limited (GWCL) to reduce its NRW and improve its operational efficiency. This will help GWCL move towards becoming a financially viable utility capable of sustaining its service provision;

- (c) supporting the preparation for new scale-up national programmatic intervention; and
- (d) completing activities that are pending due to the financing gap resulting from SDR to USD exchange rate loss. Under this project, all four components are financed through Investment Project Financing amounting to US\$125 million.

B. Project Development Objectives

The development objective of the original project will be maintained with slight modification to reflect the addition of the new metropolitan area i.e. the development objective for the AF will be “to increase access to improved sanitation and improved water supply in the Greater Accra Metropolitan Area (GAMA) and the Greater Kumasi Metropolitan Area (GKMA), with emphasis on low income communities and to strengthen the management of environmental sanitation in the GAMA and GKMA.”

C. Results Indicators

To achieve these objectives the project would support:

- (i) The provision of household water connections and toilet facilities to people in low income areas, which would require expansion and improvements of the water distribution network as well as of the waste collection, treatment and disposal services; and,
- (ii) The provision of technical assistance to improve the planning, implementation and management of environmental sanitation services in an integrated manner. Behavior change campaigns on hygiene, sanitation and safe water will also be promoted through social mobilization activities, as well as social accountability and regulation to ensure the sustainability of facilities and services.

D. Proposed Contracts Summary

GAMA SANITATION

Works - Sanitation (Accra)

| S/ N | Description | No. of Packages | Estimated Cost in USD | Supply Position |
|-----------------|---|--|--------------------------------------|----------------------------|
| 1 | Provision of additional 12,000 household toilet facilities benefiting additional 96,000 low income beneficiaries in GAMA (25 assemblies) | 17 Packages with 17 SPIs Contracts on-going under the parent project | 0.40M/package (total 6.8M) | Low Value Low Risks |
| 2 | Construction of additional 30 institutional toilets facilities for outstanding needy institutions in at least 5 MMAs, including water connection (6 packages) | 6 Packages for 6 Prioritised MMAs | 0.40M/package (total 2.4M) | Low Value Low Risks |

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|----------|---|-------------------------------|---------------------------|---------------------|
| 3 | Design and construction of a specialized treatment facility, in two selected assemblies , for receiving and processing digested sludge from household bio-digester toilets into reusable products (2 packages) | 2 Packages in 2 Selected MMAs | 0.5M/package (total 1.0M) | Low Value, Low Risk |
|----------|---|-------------------------------|---------------------------|---------------------|

Goods - Sanitation (Accra)

| S/N | Description | No. of Packages | Total Estimated Cost in USD | Supply Position |
|------------|--|---------------------------|------------------------------------|------------------------|
| 1 | Procurement of Office Equipment (Computers, Printers, Photocopiers, Projectors) for the new MMAs | 2 Packages; 1Package/year | 40,000.00 | Low Value, low Risk |
| 2 | Procurement of Stationery & Consumables for Assemblies, PCU & EHSD | 2 Packages; 1Package/year | 50,000.00 | Low Value, low Risk |
| 3 | Reproduction of project materials e.g. reports, brochures, manuals, etc. | 2 Packages; 1Package/year | 50,000.00 | Low Value, low Risk |
| 4 | Designing, printing and dissemination of Behaviour Change & Communication Materials - Posters, Flyers, Banners, Stickers, etc. | 2 Packages; 1Package/year | 50,000.00 | Low Value, low Risk |
| 5 | Designing, printing and dissemination of Behaviour Change & Communication Materials - T-Shirts, Polo-Shirts, Caps, etc. | 1 Packages; 1Package/year | 50,000.00 | Low Value, low Risk |
| 6 | Supply of Lorry Tyres for Project Vehicles (Framework Agreement) | 3 Packages; 1Package/year | 20,000.00 | Low Value, low Risk |

Non-Consulting Services - Sanitation (Accra)

| S/N | Description | Estimated Cost in USD | Supply Position |
|------------|--|------------------------------|------------------------|
| 1 | Operation and running of Mobile Interoperability Platform for Mobilization of Beneficiary Household Contribution | 20,000.00 | Low Value, low Risk |
| 2 | Production and dissemination of Open defecation and hand-washing Videos; Designing & Printing of Newsletters | 50,000.00 | Low Value, low Risk |

Consultancy Services - Sanitation (Accra)

| S/N | Description | Estimated Cost in USD | Low Value, low Risk |
|------------|--|------------------------------|----------------------------|
| 1 | Consultancy services for packaging, preparation of safeguards instruments, preparation of tender document and construction supervision of Institutional Toilet Facilities (3 Lots) | 350,000/lot (total 1.05M) | Low Value, Low Risk |
| 2 | Consultancy Services for the preparation of Environmental & Social Impact Assessment ESIA and Resettlement Action Plan for Specialised Bio-Digester Treatment Facility | 50,000.00 | Low Value, Low Risks |

| | | | |
|----------|--|------------|---------------------|
| 3 | Consultancy services as an Independent Verification Agency | 100,000.00 | Low Value, Low Risk |
|----------|--|------------|---------------------|

Summary of Packages - Sanitation (Accra)

| Procurement Category | Estimate Cost (USD) | Number of Procurement Packages. |
|-------------------------|---------------------|---------------------------------|
| Goods | 260,000.00 | 8 |
| Works | 10,200,000.00 | 25 |
| Consulting Services | 1,200,000.00 | 5 |
| Non-Consulting Services | 70,000.00 | 2 |

GAMA - WATER SUPPLY SERVICES (GWCL)

Works - GWCL (Accra)

| S/N | Description | No. of Packages | Estimated Cost in USD | Supply Position |
|-----|---|--------------------------------|-------------------------------|-----------------------|
| 1 | Additional Transmission and Distribution Pipeline Improvement Works involving pipes of varying sizes from 100mm to 300mm in GAMA (30km) - Batch 3 Works | 2 Packages for 2 priority MMAs | 2.5M/Package (Total 5.0M USD) | Low Value, Low Risk |
| 2 | Provision of Household Water Connections benefitting additional 5,000 Households | 9 Packages | 0.3M/package (total 2.7M) | Low Value, Low Risk |
| 3 | Water Loss Reduction Performance Based Contract in selected districts in Accra East Region of GAMA | 1 Package | 15.0 Million | High Value, High Risk |

Goods - GWCL (Accra)

| S/N | Description | Estimated Cost in USD | Supply Position |
|-----|--|---------------------------------|---------------------|
| 1 | Supply and Delivery of pipes of varying sizes from 100mm to 630mm (2 Packages) | 1.5/Package (Total 3.0 Million) | Low Value, Low Risk |
| 2 | Supply and Delivery of Domestic water meters (ultrasonic type) | 2.25 Million | Low Value, Low Risk |
| 3. | Supply and Installation of Hard / Software packages in GWCL Meter Shop in Ashanti Region | 300K | Low Value, Low Risk |

Consultancy Services - GWCL (Accra)

| S/N | Description | Estimated Cost in USD | Low Value, low Risk |
|----------|--|-----------------------|---------------------|
| 1 | Consultancy services for the preparation of long term strategic plan for the | 100,000.00 | Low Value, Low Risk |

| | | | |
|----------|---|------------|---------------------|
| | promotion and provision of water supply to LIUCs | | |
| 2 | <p>Consultancy Services for the following;</p> <p>i) Enhancement of customer database for LIUC customers</p> <p>ii) Testing of Management models for effective water provision to LIUCs</p> <p>iii) Customer Service Tracking Survey (CSTS)</p> | 100,000.00 | Low Value, Low Risk |

Summary of Packages - GWCL (Accra)

| Procurement Category | Estimate Cost (USD) | Number of Procurement Packages. |
|----------------------|---------------------|---------------------------------|
| Works | 22.7 Million | 12 |
| Goods | 5.55 Million | 4 |
| Consulting | 200K | 2 |
| Non-Consulting | - | - |

Proposed Contracts Summary - Sanitation activities in GKMA Works - Sanitation (Kumasi)

| S/N | Description | No. of Packages | Estimated Cost in USD | Supply Position |
|----------|--|------------------------|-----------------------------|--------------------------|
| 1 | Provision of 30,000 on-site household toilet facilities benefiting 240,000 low income beneficiaries in GKMA (16 Packages for 8 MMAs) | 16 Packages for 8 MMAs | 1.0M/package (total 16M) | Low Value Low Risks |
| 2 | Construction of 120 Institutional/School Toilets facilities for needy school in all the 8 MMAs, including water connection (30 packages) | 30 Packages for 8 MMAs | 0.35M/package (total 10.5M) | Low Value Low Risks |
| 3 | Construction of Simplified Sewerage System within Selected Communities (2 Packages) | 2 Packages | 4.5M Each (total 9M) | High Value, High Risk |

| | | | | |
|----------|---|-------------------------------|---------------------------|---------------------|
| 4 | Design and construction of a specialized treatment facility, in two selected assemblies , for receiving and processing digested sludge from household bio-digester toilets into reusable products (2 packages) | 2 Packages in 2 Selected MMAs | 0.5M/package (total 1.0M) | Low Value, Low Risk |
|----------|---|-------------------------------|---------------------------|---------------------|

Goods - Sanitation (Kumasi)

| S/N | Description | Nr. Of Packages | Total Estimated Cost in USD | Supply Position |
|------------|--|------------------------|------------------------------------|------------------------|
| 1 | Supply of Project Vehicles (8 Pick Up) for the 8 MMAs for Project Monitoring and Supervision at the MMA level - (1Nr for each MMA) | 1 Package | 400,000.00 | Low Value, low Risk |
| 2 | Supply Motor Bikes (16Nr) and Accessories for Household Toilet Monitoring Team (2Nr for each MMA) | 1 Package | 100,000.00 | Low Value, low Risk |
| 3 | Supply of Cross-Country Vehicles (CCV) & Pick Ups for the Project Implementation teams (3Nr CCV + 10 Pickups) | 1 Package | 1,000,000.00 | Low Value, low Risk |
| 4 | Procurement of Office Equipment (Computers, Photocopiers, Printers, Projectors, etc) for the 8 MMAs and PCU-Sub Office (Framework Agreement) | 3 Packages ; 1/year | 200,000.00 | Low Value, low Risk |
| 5 | Procurement of Stationery & Consumables for 8 MMAs and PCU-Sub Office (Framework Agreement) | 3 Packages ; 1/year | 150,000.00 | Low Value, low Risk |
| 6 | Reproduction of project materials e.g, reports, brochures, manuals, etc. (Framework Agreement) | 3 Packages ; 1/year | 200,000.00 | Low Value, low Risk |
| 7 | Designing, printing and dissemination of Behaviour Change & Communication Materials - Posters, Flyers, Banners, Stickers, etc. (Framework Agreement) | 3 Packages ; 1/year | 150,000.00 | Low Value, low Risk |
| 8 | Designing, printing and dissemination of Behaviour Change & Communication Materials - T-Shirts, Polo-Shirts, Caps, etc. (Framework Agreement) | 3 Packages ; 1/year | 150,000.00 | Low Value, low Risk |
| 9 | Supply of Lorry Tyres for Project Vehicles for 8 MMAs and PCU Sub-Office (Framework Agreement) | 3 Packages ; 1/year | 50,000.00 | Low Value, low Risk |
| 10 | Procure ICT Logistics for ESICApps Implementation - GKMA | 1 Package | 50,000.00 | Low Value, low Risk |

Non-Consulting Services - Sanitation (Kumasi)

| S/N | Description | Estimated Cost in USD | Supply Position |
|------------|--|------------------------------|------------------------|
| 1 | Operation and running of Mobile Interoperability Platform for Mobilization of Beneficiary Household Contribution | 50,000.00 | Low Value, low Risk |
| 2 | Production and dissemination of Open defecation and hand-washing Videos; Designing & Printing of Newsletters | 50,000.00 | Low Value, low Risk |

Consultancy Services - Sanitation (Kumasi)

| S/N | Description | Nr of Packages | Estimated Cost in USD | Low Value, low Risk |
|-----|---|----------------|-----------------------------------|----------------------------|
| 1 | Consultancy Services for Baseline Studies for WASH in GKMA. | 1 | 200,000.00 | Low Value, low Risk |
| 2 | Consultancy Services for Update Assessment of Sewerage Systems in GKMA. | 1 | 50,000.00 | Low Value, low Risk |
| 3 | Consultancy services for Packaging, Preparation of tender document and construction supervision of Gender Friendly Institutional Toilet Facilities (4 Lots) | 4 | 250,000.00 per package (total 1M) | Low Value, low Risk |
| 4 | Consultancy services for design, tender preparation and construction supervision of Simplified Sewerage System Construction | 2 | 400,000.00 each (total 0.8M) | |
| 5 | Consultancy services for the preparation of environmental and social impact assessment (ESIA) for the construction of simplified sewerage system | 1 | 100,000.00 | Low Value, High Risk |
| 6 | Preparation of resettlement action plan for the construction of simplified sewerage system | 1 | 100,000.00 | Low Value, High Risk |
| 7 | Consultancy Services for the preparation of Environmental & Social Management plan Institutional Toilet Facilities | 1 | 100,000.00 | Low Value, High Risk |
| 8 | Consultancy Services for the preparation of Environmental & Social Impact Assessment (ESIA) for the construction of Specialised Bio-Digester Treatment Facility | 1 | 100,000.00 | Low Value, High Risk |
| 9 | Preparation of resettlement action plan for the construction of a specialized treatment facility, in four selected assemblies , for receiving and processing digested sludge from household bio-digester toilets | 1 | 100,000.00 | Low Value, High Risk |
| 10 | Consultancy services for an Independent Verification Agency | 1 | 100,000.00 | Low Value, High Risk |
| 11 | Consultancy services for Annual Financial Audits | 1 | 100,000.00 | Low Value, Low Risk |
| 12 | Consultancy Services for Annual Procurement Audit by an Independent Consultant | 1 | 50,000.00 | Low Value, Low Risk |
| 13 | Consultancy Services for Annual Safeguards Audit | 1 | 50,000.00 | Low Value, Low Risk |
| 14 | Consultancy Services to conduct capacity needs assessment of participating MMAS and RCC in GKMA | 1 | 50,000.00 | Low Value, Low Risk |
| 15 | Consultancy Services to update ESICApp Mobile Application Software and Roll-out Implementation and Management in GKMA | 1 | 100,000.00 | Low Value, Low Risk |
| 16 | Consultancy Services to develop Integrated Sustainable Gender Based Violence guidelines, tools/toolkits and indicators for project implementers | 1 | 50,000.00 | Low Value, Low Risk |

| | | | | |
|-----------|--|---|------------|---------------------|
| 17 | Consultancy Services to undertake baseline study for girls attendance to school in relation to WASH infrastructure at school | 1 | 30,000.00 | Low Value, Low Risk |
| 18 | Project Coordinator - | 1 | 288,000.00 | Low Value, Low Risk |
| 19 | Financial Management Specialist | 1 | 240,000.00 | Low Value, Low Risk |
| 20 | Procurement Specialist | 1 | 240,000.00 | Low Value, Low Risk |
| 21 | Sanitation Engineer | 1 | 240,000.00 | Low Value, Low Risk |
| 22 | Sanitary Engineer | 1 | 240,000.00 | Low Value, Low Risk |
| 23 | Environmental Safeguards Specialist | 1 | 240,000.00 | Low Value, Low Risk |
| 24 | Social Safeguards /Gender Based Violence Specialist | 1 | 240,000.00 | Low Value, Low Risk |
| 25 | M&E Specialist | 1 | 240,000.00 | Low Value, Low Risk |
| 26 | Governances & Social Accountability Expert | 1 | 240,000.00 | Low Value, Low Risk |
| 27 | Behavior Change & Communication Expert | 1 | 240,000.00 | Low Value, Low Risk |
| 28 | WASH Technical Expert for CBT Team | 1 | 240,000.00 | Low Value, Low Risk |
| 29 | Knowledge Management Expert | 1 | 240,000.00 | Low Value, Low Risk |
| 30 | GKMA Satellite Office Manager | 1 | 240,000.00 | Low Value, Low Risk |
| 31 | IT Officer for CBT Team | 1 | 120,000.00 | Low Value, Low Risk |
| | | | | |

Summary of Packages - Sanitation (Kumasi)

| Procurement Category | Estimate Cost (USD) | Number of Procurement Packages. |
|-------------------------|---------------------|---------------------------------|
| Goods | 2,450,000.00 | 22 |
| Works | 36,500,000.00 | 50 |
| Consulting Services | 6,368,000.00 | 35 |
| Non-Consulting Services | 100,000.00 | 2 |

Proposed Contracts Summary - Water Supply activities in GKMA

Works - GWCL (Kumasi)

| S/ N | Description | No. of Packages | Estimated Cost in USD | Supply Position |
|------|-------------|-----------------|-----------------------|-----------------|
|------|-------------|-----------------|-----------------------|-----------------|

| | | | | |
|----------|--|------------------------|---------------------------|----------------------------|
| 1 | Contract for the implementation of Transmission / Distribution pipeline Improvement Works (90km) improving water supply to 150,000 people in GKMA (5 Packages for 11 MMAs) | 5 Packages for 11 MMAs | 2.0M/Package (total 10M) | Low Value, Low Risk |
| 2 | Provision of Household Water Connections benefitting additional 5,000 Households | 9 Packages | 0.3M/package (total 2.7M) | Low Value, Low Risk |

Goods - GWCL (Kumasi)

| S/N | Description | Estimated Cost in USD | Supply Position |
|------------|---|------------------------------|------------------------|
| 1 | Supply of Project Vehicles (5 Pick Ups) and 3 Nr. Cross Country Vehicles (CCV) for monitoring (pipeline works, Safeguards and LICSU Activities) <ul style="list-style-type: none"> 2 Pick Ups for the 2 Operational Regions of GKMA 3 Pick Ups - 1 Nr. Each for LICSU, Technology & Innovation and Safeguards 3 Nr. CCVs for PIU | 500,000.00 | Low Value, low Risk |
| 2 | Procurement of Office Equipment (Computers, Photocopiers, Printers, Projectors, etc) for the PMU Office in Accra, PMU Sub Offices in the 2 Operational Regions and LICSU Unit in GKMA (Framework Agreement) | 200,000.00 | Low Value, low Risk |
| 3 | Procurement of Stationery & Consumables for PMU Office in Accra, PMU Sub Offices in the 2 Operational Regions and LICSU Unit in GKMA (Framework Agreement) | 150,000.00 | Low Value, low Risk |
| 4 | Designing, printing and dissemination of GAMA / GKMA works related materials (pipeline works, New Service Connection and LICSU) - Posters, Flyers, Banners, Stickers, etc. (Framework Agreement) | 50,000.00 | Low Value, low Risk |
| 5 | Designing, printing and dissemination of GAMA / GKMA works related materials (pipeline works, New Service Connection and LICSU) - T-Shirts, Polo-Shirts, Caps, etc. (Framework Agreement) | 50,000.00 | Low Value, low Risk |
| 6 | Supply and Delivery of Fittings for the installation of Ultra Sonic Water Meters | 1,000,000.00 | High Value, Low Risk |

Consultancy Services - GWCL (Kumasi)

| S/N | Description | Nr of Packages | Estimated Cost in USD | Supply Position |
|------------|---|-----------------------|------------------------------|------------------------|
| 1 | Provision of Consulting Services for the Preparation of a Water Supply Master Plan for Greater Kumasi Metropolitan Area (GKMA) including the preparation of a calibrated hydraulic Model and an Integrated Water Distribution Network | 1 | 2.0 Million | High Value, Low Risk |

| | | | | |
|----------|--|----------|------------------------------|----------------------------|
| 2 | Consultancy Service for the provision of the following; <ul style="list-style-type: none"> ● Establishment of Telemetry to accurately measure water flows into the 2 operational Regions in GKMA. ● Identification of pressure zones in the 2 Operational Regions of GKMA | 1 | 2.0 Million | High Value, Low Risk |
| 3 | Consulting Services for the preparation of Baseline Studies Report and Base maps for selected low-income communities in GKMA | 4 | 120K/Package (Total 480K) | Low Value, Low Risk |
| 5 | Consulting Services to provide Technical Assistance to PIU on all LICSU activities | 1 | 200K | Low Value, Low Risk |
| 6 | Consulting Services for Construction Supervision of Pipeline improvement works in the 10 MMAs of GKMA | 4 | 400K/Package (Total 1.6 Mil) | Low Value, Low Risk |
| 7 | Consulting services to implement the Resettlement Action Plan for Pipeline Works in GKMA | 1 | 200K | Low Value, Low Risk |
| 8 | Consulting services to conduct Social & Environmental Audit of the GAMA Project - Component 2 and 4d | 1 | 100K | Low Value, Low Risk |
| 9 | Consulting services to conduct Beneficiary Assessment of the GAMA Project - Component 2 and 4d | 1 | 100K | Low Value, Low Risk |

Non-Consulting Services - GWCL (Kumasi)

| S/N | Description | Estimated Cost in USD | Supply Position |
|------------|--|------------------------------|----------------------------|
| 1 | Services to provide assistance to GWCL in the 1) production of video documentary; and 2) Production of radio commercials | 50,000.00 | Low Value, low Risk |
| 2 | Design and Printing of Disbursement Security Forms | 10,000.00 | Low Value, low Risk |

Summary of Packages - GWCL (Kumasi)

| Procurement Category | Estimate Cost (USD) | Number of Procurement Packages. |
|-----------------------------|----------------------------|--|
| Goods | 1,950,000.00 | 6 |
| Works | 12,700,000.00 | 14 |

| | | |
|-------------------------|--------------|----|
| Consulting Services | 6,680,000.00 | 14 |
| Non-Consulting Services | 60,000.00 | 2 |

A. LEGAL POLICY

Even though Ghana's procurement delivery is governed by the Ghana Public Procurement Law, Act 663, 2003, which was amended in 2016, Act 914, procurement under the project will be carried out in accordance with the (a) World Bank Procurement Regulations for IPF Borrowers Procurement dated July 2016, revised November, 2017, August 2018, and January 2020; (b) the 'Guidelines on Preventing and Combating Fraud and Corruption in Projects financed by IBRD Loans and IDA Credits and Grants', dated October 15, 2006, revised in January 2011 and July 1, 2016; and (c) the provisions stipulated in the Financing Agreement. Strategic Assessment of Operating Context and borrower Capability are as outlined below:

2. Overview of Country, Borrower and Marketplace

A PESTLE (Political, Economic, Social, Technology, Legislative and Environment) analysis was undertaken on the operating environment and design of the AF project. The analytical results are summarized as below. These considerations are significant to the operational context as they may impact the approach to procurement to support the project to achieve its proposed development objects.

a. Operational Context

- **Governance aspects**

Ghana is a democratic country and has successfully changed governments through peaceful democratic processes since 1992. One does not envisage any security issues in the coming years. The effectiveness of governance activities and their full impact is evident through information dissemination and disclosure. This will continue to engender openness with respect to the status of project implementation at the appropriate level and bring the beneficiaries on-board in addressing the challenges of sustainable operation and maintenance.

Ghana procurement delivery is governed by the Ghana Public Procurement Law, Act 663, 2003, which was recently amended in 2016, Amended Act 914. The amendment makes further provision for public procurement and provide for decentralized procurement and for connected purposes. While progress has been made in delivering procurement under the laws, significant challenges remain in strengthening transparency and accountability. Challenges involve ensuring minimum political interference in the procurement process, effective contract administration, and getting value for money. As part of the measures to address the transparency issue, the PPA under e-Transform project is supporting the development and implementation of e-GP to address some of the challenges and reduce human interference as well as reduce cost of procurement and improve transparency.

Economic Aspects

After two years of average growth rate of 3.5% from 2014 to 2016, real GDP growth recovered to 8.5% in 2017 and was estimated to be 6.2% in 2018, driven mainly by the oil sector. The fiscal account deficit improved marginally, from 5.9% in 2017 to an estimated 5.7% in 2018, as did the current account deficit, from 4.5% in 2017 to an estimated 4.4% in 2018. Inflation declined to the single digits, at 9.8%, and average lending interest rates declined by 4.71 percentage points to 16.23% in September 2018.

Despite the positive outlook, Ghana faces potential domestic and global headwinds. On the domestic front, the government faces a challenge in bridging its financing needs, with domestic revenues at about 10% of GDP and gross financing needs of more than 20% of GDP. This challenge is compounded by a high external debt-to-GDP ratio, which declined from 40.5% of GDP in 2017 to 38.5% in 2018. On the external front, dependence on primary commodity exports continues to expose the economy to international commodity price shocks, which could weaken GDP growth and the current account balance. Domestic private consumption is also projected to slow down, to 4.9% of GDP in 2019 and to 3.5% in 2020. The potential weakness in oil prices could lower exports receipts and hence revenues.

Ghana is gradually building industrial capacity, and growth in industry was 9.8% in 2019 and projected at 5.9% in 2020. Recent trends reflect more machinery in the country's import basket. Between 2000 and 2017, the total value of machinery imports increased fourfold, to \$670 million. This rapid increase in machinery imports had a substantial adverse effect on the country's current account balance, but it reflects a gradual shift toward industrialization. While total machinery imports have increased over time, the government's capital expenditure has been on the decline since 2016. This implies greater private participation in industrialization, which is consistent with the government's private sector-led agenda for economic transformation.

• ***Social, Environmental and Sustainability Aspects***

The parent project safeguards impact was rated Category A as a result of the scope of project activities and anticipated social and environmental impacts. Based on this rating, the World Bank Safeguards policies on Environmental Assessment (OP 4.01), Involuntary Resettlement (BP/OP 4.12) and Natural habitats (OP 4.04) were triggered in addition to the national Environmental Assessment Regulations 1999(LI 1652) for which an Environment and Social Management Framework (ESMF) and Resettlement Policy Framework (RPF) were prepared for the parent project. Under this AF project, the proposed works i.e. construction of decentralized sewer system networks, institutional toilets project, bio-digester sludge processing facilities, drainage systems and water supply pipelines construction and their environmental and social impacts are similar and so the safeguards rating for the parent project is maintained for the AF project. Consequently, the ESMF and RPF for the parent project have been updated in accordance with the World Bank Policy (O.P.) 4.01 and O.P. 4.12 which includes principles as well as regulatory and institutional arrangements within which to assess and mitigate negative environmental and social impacts when the specific AF project subproject impacts and sites are fully known.

All potential sub-project intervention sites will be screened for Environmental and Social (E&S) impacts. Site specific Environmental and Social Management Plans will be developed for all sub-projects requiring civil works which will be implemented by the selected contractors. The plans will specify standards

proposed for the sub-project to ensure environmental sustainability and social acceptability. Standards and plans proposed to address social issues including involuntary resettlement will be pursued.

In conclusion, Environmental, Social, Health, and Safety (ESHS) requirements in the Environmental and Social Management Plans will be specified as appropriate in the request for bids/request for proposals documents. Any sustainable procurement technical requirements shall be clearly stated for bidders to propose sustainability aspects (e.g. reduction of wastages, material reduction etc.) that describe the bidders' approach and commitment to sustainable design and construction practices. The Project coordinating Unit (PCU), and any institution participating in the implementation, will not issue a Request for Proposal (RFP) of any activity subject to Environmental and Social Impact Assessment (ESIA), without the construction phase's Environmental and Social Management Plan (ESMP) inserted in, and will not authorize the works to commence before the contractor's ESMP (C-ESMP) has been approved and integrated into the overall planning of the works.

In line with Ghana's Environmental Assessment Regulations 1999 (LI 1652), the proposed sanitation works i.e. decentralized sewer system networks, institutional toilets project and the drainage systems fall in the category of undertakings (Regulation 2) for which an Environmental Impact Assessment is required to help understand the likely implications, alternatives and mitigations to consider, to ensure sound decision-making, and sustainable development of the Project. As a result, scoping for EIA/ESIA study has to be carried to generate a scoping report and the relevant Terms of Reference (TOR) to guide a satisfactory conduct of ESIA study. The Project has also triggered the World Bank Safeguards policies: Environmental Assessment Policy OP4.01 and the Involuntary Resettlement Policy OP4.12, requiring that the conduct and procedures for the ESIA study conformed to these Policies triggered by the GAMA Project.

The overall social and environmental policies and procedures in the country are not weak, however their enforcement is limited due to lack of resources and capacity. While reputable suppliers and contractors in the country abide to international best practices and standards, the ability of the government entities to enforce these standards and best practices is limited due to lack of institutional knowledge and experience. Occupational health and safety (OHS) and Social considerations are important concern in the implementation of works projects in low income urban communities. The key investments under the Project are construction of Simplified Sewerage Systems, Institutional Sanitation Facilities, Household Toilet Facilities and Localized drainage systems to reduce the risks of flooding within these low income urban communities. The Project has therefore triggered two of the World Bank Safeguards policies, these policies are the Environmental Assessment Policy OP4.01 and the Involuntary Resettlement Policy OP4.12. These require that any potential environmental and social issues arising from the project implementation should be mitigated. The management of the environmental and social management issues of the GAMA Project is guided by the Project's Environmental and Social Management Framework (ESMF), and Resettlement Policy Framework (RPF). The purpose of the ESMF and RPF is to prevent, where possible avoid and effectively mitigate and manage the environmental and social issues arising from the project implementation.

An Environmental and Social Impact Assessment (ESIA) will be conducted for each of the sub-projects. The ESIA will identify specific social and environmental risks that are to be managed through the procurement process, including specific

functional requirements to comply with the Bank's Environmental, Social, Health, and Safety (ESHS) Guidelines. Site-specific Environmental Management Plans will be developed which will be implemented by the selected contractors.

In respect of the investments, sSpecific measures have been taken to promote sustainability of the investments made beyond project completion under the parent project. These same measures shall be carried out in this project. Social accountability mechanisms (i.e. assembly specific grievance redress procedures) have been developed, based on research amongst project beneficiaries which informed the development of messages and publicity campaigns which promoted the buy-in by project beneficiary in particular and the general public at large. Under the parent project, mechanisms were also developed to provide publicly available data to promote transparency in the provision of services, this will be continued. Costs of services will be maintained as far as possible at current levels, which may entail judicious use of subsidies from general revenue streams to cover part of the public good element of sanitation services.

Community management and oversight mechanisms have been developed for services in low-income communities, including construction of toilet facilities in private and rented housing, management of local sewerage systems, as well as the management of off-plot water supplies. These community management and oversight mechanisms have been functioning in a participatory manner involving existing community groups, especially women's groups. This management strategy will be enhanced in this AF project.

The role of the private sector in service provision have been maximized under the parent project. The Technical Assistant provided under the parent project focused on supporting the development of small enterprises and linkages with larger established environmental services providers at community level serving several MMAs. The parent project ensured building the capacity of these SMEs and other stakeholders to ensure sustainability of investments through targeted operation and maintenance strategies for different components.

However, there has been a challenge with funding for cleaning and maintenance of the school sanitation facilities due to some directives related to collection of levies by the schools. Measures are will be taken at a high-level to clarify such directives and ensure sustainability of the school sanitation facilities. Measures will also be put in place under the AF project to ensure the drainage facilities would receive regular supervision and maintenance by the respective municipalities where they are located so as to ensure they do not get choked with the possibility of causing flooding.

In conclusion, Environmental, Social, Health, and Safety (ESHS) requirements will be specified as appropriate in the request for bids/request for proposals documents. Any sustainable procurement technical requirements shall be clearly stated for bidders to propose sustainability aspects (e.g. reduction of wastages, material reduction etc.) that describe the bidders' approach and commitment to sustainable design and construction practices.

- ***Technological Aspects***

The parent project developed a construction manual for the bio digester toilet, which is the most feasible and preferred technology for low income urban household toilet in Ghana. This manual will provide technical guidance and

standards for construction of the bio-digester technology toilet. The manual has been completed and shall provide a guide for the construction, operation and maintenance of a household bio digester toilet in Ghana. Sub-Project Implementers (SPIs) providing services for the delivery/construction of bio digester toilets have been trained on the requirement for the manual and the standardized bio digester toilet as the basis for contract renewal for subsequent phases of the household toilet scheme under the project. More services providers will be engaged and trained under the additional financing project.

The parent project also deployed an innovative mobile money platform to mobilize over \$ 1 million in beneficiary household contribution towards household toilets. The mobile money platform offers a safe, convenient and reliable means for households to pay for the household toilets in instalments. A new mobile money platform which addresses some challenges with the initial platform such as the limitation of the platform to one mobile network has been adopted by the Project. The new platform will allow payments from all the mobile networks amongst other new innovative features.

The Project has also adopted the Kobo Collect data collection mobile application for capturing the data on all household toilets constructed including their GPS locations and pictures. The application is installed on the phones of service providers who use the application to capture the data and send to the M&E unit of the Project. The data transmitted via the application is used for monitoring and evaluation purposes such as determination of number of users of the toilet facility, proportion of male and female beneficiaries, quantity of toilets installed amongst others. The GPS locations also allow easy tracking and identification of the toilet facilities on the field.

Sanitation hackathon - As part of the hackathon innovation program, the GAMA SWP provided seed funding to two (2) groups namely NSUO and iCesspool in the amount of USD 20,000 and USD 30,000 respectively to support these young entrepreneurs to kick-start the implementation of their ideas.

iCespool Group - iCesspool Limited is designing a software application to provide End-To-End service chain monitoring of Liquid Waste Services Provision in Ghana, beginning with Greater Accra Metropolitan Area. It is carefully tailored to assist households in the comfort of their homes locate the nearest Cesspool truck to provide de-sludging services, manage the Service Cost, monitor compliance with industry code of conduct, health and safety standards and monitor trucks route to prevent discriminate dumping of fecal sludge at unapproved points.

NSUO Group - The NSUO group is designing and rolling out a technology platform that enables delivery of water to households and organization and collection of the waste plastics for recycling in one cycle. The platform uses data science and artificial intelligence, geo spatial technologies and an integration with the national digital addressing system to efficiently manage and scale operations nationally without huge overheads. With this solution the group hopes to establish a circular economy where 100% of plastic waste is recovered and upcycled into new products.

Under the water supply component of the parent project, a telemetry system was established which allows the urban water utility to know, in real time, the health of its water network. Key parameters such as water flows, pressures and levels are logged and transmitted, in real time, to water operators to allow for appropriate decisions to be taken. The system allows for accurate measurement of water supply into each of the 3 operational Regions of GWCL in GAMA for purposes of accountability and water balance. The establishment provides significant basis for GWCL to investigate sources of water losses within its supply area.

Key Conclusions

1. Ghana is a democratic country and has successfully changed government through peaceful democratic processes since 1992. One does not envisage any security issues in the coming years, and this is positive for the procurement industry.
2. Ghana now has a positive economic outlook and is gradually building industrial capacity. Growth in industry is projected at 9.8% in 2019 and 5.9% in 2020.
3. Though there are significant sustainability, environmental and social aspects which are likely to have procurement impact, these were successfully managed under the parent project. It is not envisaged there will be unsurmountable challenges under this project which cannot be dealt with using the lessons learnt under the parent project.
4. The very positive economic outlook will provide the necessary environment for the financial sector and will contribute to the success of the project.

b. Client Capability and Project Implementation Unit Assessment

The original project became effective in August 2014 with a project amount of USD150million. Procurement activities under the original project formed more than 90% of the entire project funds. Currently, about 96% of the original funds have been disbursed. Few of the activities in the original procurement plan remain unimplemented primarily due to unavailability of funding. The procurement plan has been updated regularly to reduce project procurement activities and submitted in STEP based on the project requirement. Under this AF, the same arrangement under the parent project would continue to be used to handle the overall project, including procurement management. Unlike the parent project which was governed by the Bank's Procurement Guidelines, however, procurement activities under this Additional Financing will be carried out in accordance with World Bank's Procurement Regulations for IPF Borrowers. Through the ongoing project, the PCU, GWCL and the MMAs have gained more experience in World Bank procurement and their performance in procurement have improved substantially over years., The change in the use of procurement framework may create an initial challenge to the team but practice and continuous capacity building will empower the team to surmount any possible challenges that may be encountered.

The Institutional and implementation arrangements will follow similar trend for the parent project with minor changes to meet the needs of the GKMA component. Separate implementation arrangements for sanitation and water supply related activities will be carried out under the overall coordination of the Project Coordinating Unit. As sanitation falls under the responsibility of the corresponding MMAs and urban water supply falls under the responsibility of GWCL, separate implementation arrangements will be considered. However, in order to coordinate all of the implementation activities by the corresponding MMAs and facilitate progress monitoring and reporting, the overall coordination of the project will be led by the MSWR through its PCU.

The environmental sanitation activities will be implemented by the corresponding Environmental Health Unit of the MMA where the activities take place, with technical support from the Project Coordinating Unit and the Environmental Health and Sanitation Directorate (EHSD) of the Ministry. The water supply activities will be implemented by GWCL, which has ample experience in the implementation of water projects. The institutional strengthening activities will be implemented by the MSWR through its PCU, with the support of GWCL for water related activities and of the EHSD for sanitation-related activities.

A procurement assessment of the capacity of the implementing agencies was last carried out in accordance with the Bank's Procurement Risk Assessment System (PRAMS) in March 2013 which assessed the overall procurement risk as substantial under the parent project. However the necessary gaps were filled through the recruitment of substantive procurement specialist and intensive capacity-building activities at the MMA level under the five year period of the parent project.

Experience

The Project Coordinating Unit of the Ministry which will coordinate the project has experience in successfully implementing the parent project. The New Procurement Framework, under which this project will be implemented, may pose some initial challenges because it will be the first time the project team will be working with it but it will not be inimical to the successful implementation of the project. The procurement capacity of the team has been enhanced in the NPF through several capacity building activities organised by the Bank and by the parent project. The Technical Team and Solutions and Innovation Team (SIP) of the Bank will provide hands-on support training and implementation support, especially in the application of the Procurement Framework during the first year to facilitate the implementation of project activities.

- **Contract management capability and capacity**

The PCU of the Ministry and the PIU of GWCL are staff with experienced engineers, quantity surveyors and procurement specialist and supported by several individual urban roads engineers, works engineers and municipal planning officers at the MMA levels. These available professionals have experience in management of such contracts as evidenced in the successful management of contracts under the parent project. The challenge has been the lack of steadfast adherence to contract provisions, including delayed payments and bureaucratic bottlenecks at the MMA level. The Bank will continue to offer adequate and appropriate support to the Project to mitigate these deficiencies.

Execution of works contracts have been supervised on a daily basis by the respective works officers at the various municipalities, supervising consultant (where available), designated project assistant engineers (for household toilets) and various specialist from the PCU. It includes the regular site supervision and the quantity evaluation of activities from each jobsite. Monthly interim certificates and payments scheme are utilised helping contractors to improve their cash flow and to be assured of timely payments to salaries of labourers and suppliers. Quality of works is being regularly checked in accordance to the technical specifications as provided in the contract and various material testings carried out to ensure quality control.

For implementation of key work activities under the water supply arm of the project, competent supervising consultants will be recruited to supervise, on a daily basis, major pipeline improvement works whilst freeing up some time for GWCL PIU team to assume a broad and high level supervisory role.

Furthermore, both PCU and GWCL PIU have demonstrated the capacity to adjust, modify and introduce new implementation modalities while successfully meeting consequent procurement requirements, (e.g. the introduction of Large-Scale SPI Contracts which resulted in the upward surge in the number of household toilet from 100 to 1300 per month. On the part of GWCL, innovative measures

(including subsidization of new service connection fees, installation of new service connection centres within the selected communities, shortening of new service connection protocol, etc) put in place by the PIU and the company led to a surge and attrition in private water connections and community stand posts respectively under the project.

Complaints management and dispute resolution systems

In terms of complaints management and dispute resolution systems, the standard form of contract currently being used by GAMA Project includes a provision under sub-clause titled PROCEDURES FOR DISPUTES, clause (24.1) that states: “If the Contractor believes that a decision taken by the Project Manager was either outside the authority given to the Project Manager by the Contract or that the decision was wrongly taken, the decision shall be referred to the Adjudicator within 14 days of the notification of the Project Manager’s decision”

In the more general nature of complaints related to implementation of works under both the PCU and GWCL, the parent project has a Grievance Redress Systems. The intention here was to situate the GRMs within the Public Relations and Complaint Committee of the Assembly system. This will be reviewed and updated to ensure smooth and speedy resolution of disputes. The parent project has ongoing contracts with dispute resolution mechanisms which acts in accordance with the Ghana Public Procurement Act 663 of 2003 as amended and in accordance with the Bank recommended dispute resolution best practices. Enough lessons have been learnt with enough experiences gained from dealing with and handling of procurement related complaints. Contracts concluded under the parent project complied with the World Bank Contract conflict management resolution procedures and this shall be same for this project.

In conclusion, to ensure VfM delivery, the effective and competitive pre-contract procurement process will be matched with a post contract management and administration. With the input from consultants and continuous capacity building, the project will observe due diligence in terms of Contract Strategy (contract type, conditions of contract, pricing mechanisms, etc.) before contracts are awarded and signed.

SWOT analysis

| Strengths | Weaknesses |
|---|--|
| <ul style="list-style-type: none"> • Well established PCU and GWCL with qualified and experienced procurement staff; • Well established public procurement system; • High level of trust from the local market for world bank funded projects; • Track record of on-time payments to the Contractors/Consultants/Suppliers; | <ul style="list-style-type: none"> • Weak procurement and contract capacity and experience at the MMA level including the use of the new bank procurement regulations. • Long bureaucratic procedures for approvals including evaluation reports of post-review activities; • Lengthy environmental and social safeguards process including approval of instruments, payment of compensations, etc. |
| Opportunities | Threats |
| <ul style="list-style-type: none"> • Need for development of countrywide sanitation market; • Growing water demand • Fast development of SMEs who are expanding their activities in providing | <ul style="list-style-type: none"> • Weak Cedi-to-Dollar fluctuating strength imparting the prices of basic construction materials including Cement, Iron Rods, Chipping, etc. |

| | |
|---|--|
| <p>sanitation services including SPI for household toilet construction, sludge dislodging services providers, etc.</p> <ul style="list-style-type: none"> • Fast development of the digester toilet system and its acceptance within the urban poor setting. | <ul style="list-style-type: none"> • Harsh rainy seasons (June/July - Sept/Oct) obstructing construction activities for construction of sewer lines, drains, water pipelines & fittings • Changes in activity progresses rate due to national presidential and parliamentary elections and other political influences; |
|---|--|

Key Conclusions

1. Even though the Project Coordinating Unit has experience in implementing the parent project and other donor-funded projects under the Bank's Guidelines, just like most other projects, it has no experience in implementing projects under the New Procurement Framework. However, capacity building and support from the World Bank will help in surmounting any initial challenges that may be encountered.
2. Environmental and Social safeguards instruments shall be prepared and implemented at the earliest stage of project to avoid delays in procurement and implementation phase;
3. The existing provisions on GRM, procurement and contract administration will be reviewed to ensure that they are up-to date.
4. The MMAs project team members, especially the newly created MMAs and all the GKMA Assemblies, who were not involved in the parent project will require capacity building in the bank procurement framework, contract management and administration.
5. Procurement post-reviews and technical audits will be carried out annually by the Bank Procurement Specialist and Technical Specialist or independent auditors and based on the findings of the reviews the prior review thresholds will be reviewed.

c. Market Analysis

- Procurable activities under the project will include 'small' civil & building works, goods, non-consultancy services and consultancy services. Under the parent project the local market dealt successfully with most of the activities which were categorised under Low Risk and Low Value, and the highly skilled experts will be able to win contract that are likely to be from the international market. Consequently, the market approach will be both national and international. The procurement packages in the procurement plan will be structured in way to attract qualified and potential bidders in a participatory approach to ensure economies of scale.
- The critical procurement activities as identified in the supply positioning matrix below involves construction of simplified sewerage systems in selected communities in the GKMA and the construction of household toilet facilities. Evidence from the parent project indicates after dismal open competition to attract enough private sector to submit responsive bids for the household toilets construction project, the strategy of 'Large-Scale' packaging attracted several local and few Chinese construction firms. The GAMA Project has therefore built enough local contractor capacity to deliver such facilities.

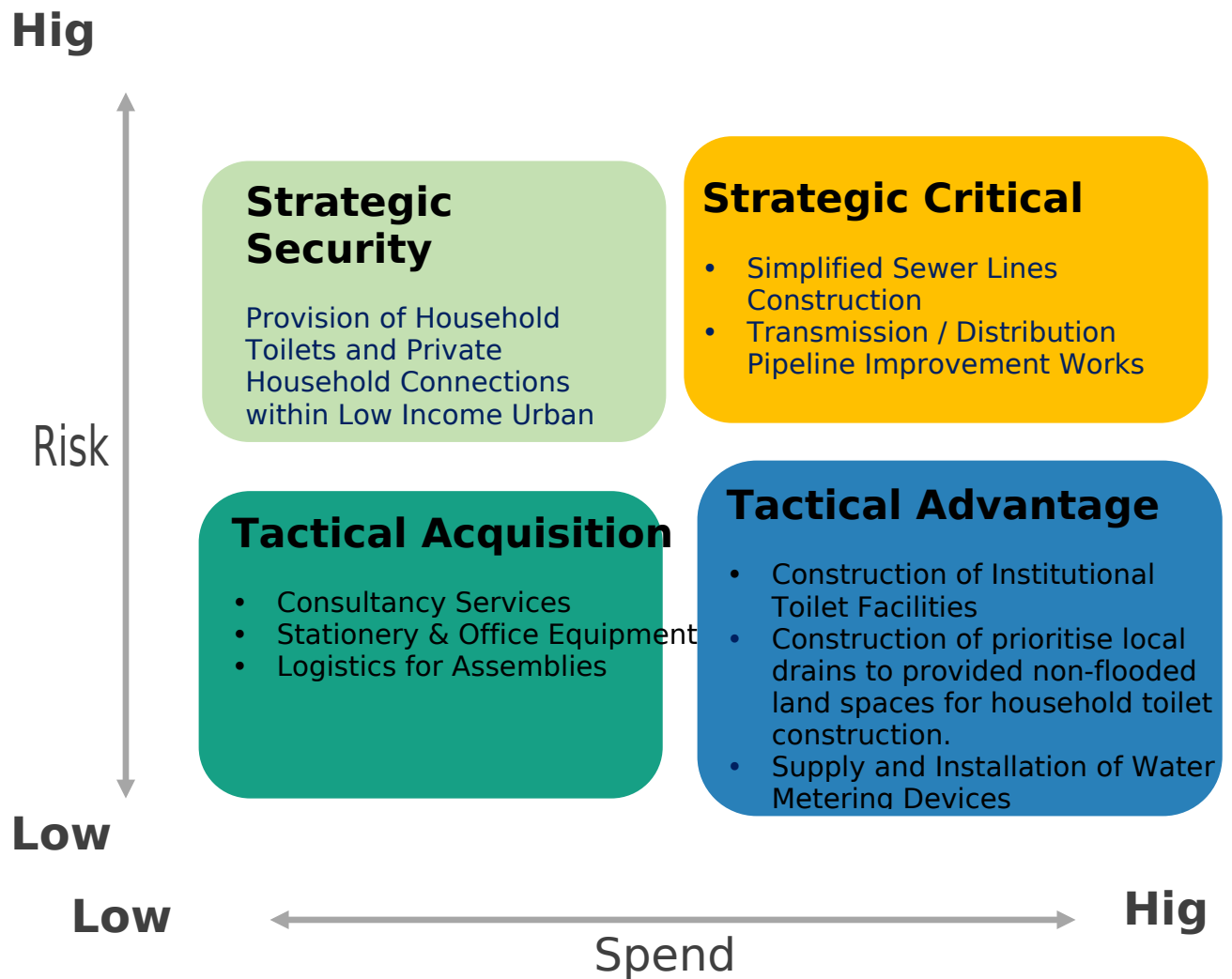
- Regarding water supply component, critical procurement activities involves preparation of a water supply master plan for GKMA, laying of pipe mains, procurement of pipes & water metering devices and completion of private household water connections. To ensure that details of anticipated procurable items are determined to allow for early launch of procurement, we propose that the Consulting Services for preparation of a Master Plan and Baseline Studies for GKMA be considered for Advanced Contracting and Retroactive Financing. Also, the parent project prepared detailed designs and tender documents for some pipeline projects (i.e. Batch 3 Pipeline Works and some Private Household Water Connections) which could not be implemented as a result of budgetary constraints. All these procurable items should be considered under Advanced Contracting to facilitate early completion of the projects under the AF. Regarding the procurement of pipes for the pipeline works and water metering devices for the private household connections, experience from the parent project alludes that centralising the procurement by the client PIU leads to harmonization in the specifications (which impacts on durability) of the pipes and also cost efficiency on the basis of economies of scale and the fact the client is statutorily exempted from the payment of taxes for goods, a situation which frees substantial money for procurement of more pipes.
- Most of construction materials including cement, steel, sand, and aggregates and plumbing materials including pipes are locally available, close to the vicinity of the target project areas in abundant quantities to fulfil the demand. In terms of labour, adequate skills exist, and most construction companies employed few hundred thousand workers (one of the largest sectors in terms of employment in Ghana). The Ghanaian construction sector for simple structures relies heavily on local artisans like masons, carpenters, electricians, plumbers, etc. who can easily be found all parts of the country. Consequently, the market approach will be both national and international. The procurement packages in the procurement plan will be structured in way to attract qualified and potential bidders in a participatory approach to ensure economies of scale.
- **Small and Medium Enterprises**
 For the past few years the financial market has been experiencing shake-ups as a result of the recent Bank of Ghana's decision to increase the capital requirement of financial institutions in the country. This led to the collapse of some local banks. As a result access to financing facilities is now very complicated and tough for SMEs. In addition, it is observed that the financial capacity of many of these SME contractors in the WASH is not strong, especially of the local ones. According to the market research, many of enterprises in the construction industry have medium and small scale, and large number of small enterprises do not have sufficient capacity including financial capacity to execute large contract. Under the parent project, most of such contractors relied heavily on the advance payment provisions in the contract to enhance their cash flow. This AF project will follow suit by making relatively high percentage (up to 30%) advance provisions available to such contractors.
 SMEs will also be engaged at all levels in the sanitation service chain. SMEs will be engaged in the operation of mini bio-solids treatment plants in addition to providing desludging services and general servicing of household toilet facilities.
- **Enterprises in Sector**
 It is estimated that there are currently few thousands of companies registered or involved in construction works in Ghana. These are mainly national/local enterprises. However, it is found that the national/local enterprises are of small

size and do not have sufficient capacity to execute works of large value. It is also noted that the indigenous contractors are not able to produce good quality construction because most of their labour is unskilled. The number of foreign contractors operating in market of Ghana is relatively limited mainly from China. These contractors from China are large and have capacity to execute Works with very large value. Experience from the parent project indicates most of tenders are interested by a large number of national/local bidders and some of foreign bidders from mainly China.

However, the situation is quite different in the water supply sector. Under the parent project, seven (7) out of eight (8) large value were satisfactorily carried out local contractors indicating adequate capacity and immense competence on the part of local contractors in the execution of pipeline projects.

Regarding consultancy services in the WASH sector, similarly, the market is also relatively competitive. There are few national/local consultants and a number of foreign consultants providing services including various studies, design, and construction supervision of WASH projects. For instance, Expression of Interest for the preparation of Integrated Urban Master Plan under the parent project attracted over 40 firms. Most of the foreign consulting firms who have who applied to express interest in various activities under the parent project were mainly from India, Pakistan, Germany, Netherlands, Sweden, Spain, Italy, Ireland, France, Switzerland, Australia, Canada, USA South Korea, Lebanon, South Africa, Nigeria and other Africa Countries. Most of these foreign consultants were normally interested in contracts with value over USD 500,000.00.

- **Specification** – Specifications will be based on lessons learned in the previous contracts as well as a consideration of emerging trends. Appropriate experts will be consulted when need be to offer the needed technical support in drawing up specifications and Terms of Reference.



Key Conclusions

1. Under the parent project the capacity of several SME contracting and consulting firms have been built to provide healthy local competition for the several low-value and low-risk contract packages. There are therefore both foreign and local experienced service providers and suppliers willing to take part in competitive procurement under this project.
2. There is adequate capacity and healthy competition amongst local construction firms in the construction of water infrastructure involving pipes even in the most critical part of the quadrant (high value and High risk contract packages).
3. The financial capacity of the SMEs contracting firms will be enhanced by the Advanced Payment provisions in the Standard Contracts
4. Some of the consultancy assignments will be undertaken by international firms where there not enough expertise in the national market.
5. The supply position of these service providers is for both high and low risk/volume procurement. The Client/Borrower has also approached

the market adequately in the past in implementing the parent project and have adequate knowledge of the market place.

d. Procurement Risk Analysis

For the sanitation arm of the project, the bulk of the procurement activities to be undertaken under the project will be on several low value works contracts scattered within the many low-income communities within the MMAs, some consultancy and non-consulting services and goods to assist in the achievement of the project objectives. Unlike the sanitation related activities, the bulk of works and goods procurement activities under the water supply component will be on high value contracts. This is the first time the PCU will be using the Procurement Framework and will require continuous and sustained support and training.

Below in table K is risks analysis, mitigation measures and risk ownership:

Table K: Risks, Mitigation measures and Risk ownership

| Risk Description | Risks Rating | Description of Mitigation | Risk Owner |
|--|---------------------|---|-------------------|
| Financial Capability of SMEs Contracting firms who will be bidding for the many low-value high risk projects | H | Judicious application of the Advance Payment provisions in the standard contract, offering up to 30%. | Borrower/WB |
| Limited procurement experience of MMAs (e.g. newly created MMAs) with the Bank NPF for preparing procurement documents including cost estimation, specification of works requirement, and management of bidding process for works contract and especially the strict ES safeguards requirement under the project | M | Hands on implementation support from the PCU and undertake capacity building activities using the PCU, the Bank resources and external training providers. | Borrower |
| Political interference in contract award | H | Project implementation team to offer clear advice and capacity building on the procurement procedures agreed in the Financing Agreement and WB | Borrower |
| Currency Fluctuations | H | Although the local currency has stabilized, both International and Local Bidders and consultants will be allowed to submit pricing in three convertible currencies when permitted under the PF. | Borrower |
| Bureaucratic and delay internal procurement reviewing and approval process under the Ghana Procurement Law that | M | Prepare and adopt a project implementation manual (PIM), including a chapter on procurement comprising of clear rules, step by | Borrower |

| | | | |
|--|---|---|-------------|
| may cause the project implementation delays | | step procedures and responsibilities, timeline requirements for procurement activities, actions and decisions for small procurements. | |
| Delay in preparation and approvals of Environmental & Social safeguards Instruments to meet the strict compliance requirement under the project. | M | Advance Procurement will be widely utilised under the project to ensure early selection of consultants for the preparation of such instruments. | Borrower/WB |
| Delay payment of compensation to project affected persons | M | Advance budget allocations for compensation payments by the project beneficiary MMAs and the Ministry and the use of E-payment systems in the payment of compensation | Borrower |

Procurement Risk Level: The project procurement risk prior to the mitigation measures is “Substantial”. The risk will be reduced to a residual rating of “Moderate” upon successful implementation of the proposed mitigation measures.

3. Procurement Methods and Prior Review Thresholds

The table below shows the procurement methods and prior review thresholds applicable to the project based on SUBSTANTIAL RISK.

Table 3: Procurement Method and Prior Review Thresholds

| RISK RATING | Prior Review Threshold | | | | | Procurement Method Threshold | | | | | | All-National Shortlist of Consultants |
|-------------|------------------------|---------|---------------------------|-------------|-------------|------------------------------|-----------------------|----------|-----------------------|------------|-----------------------|--|
| | | | | Consultants | | ICB | | NCB | | Shopping | | |
| | Works | Goods | IT Systems+ Non Con. Serv | Firms | Individuals | Works | Goods + Non Con. Serv | Works | Goods + Non Con. Serv | Works | Goods + Non Con. Serv | |
| SUBSTANTIAL | ≥\$10Mil | ≥\$1Mil | ≥\$1Mil | ≥\$0.5Mil | ≥\$0.2Mil | ≥\$15Mil | ≥\$3 Mil | ≤\$15Mil | ≤\$3 Mil | ≤\$0.2 Mil | ≤\$0.1 Mil | ≤\$0.3Mil (All) ≤\$0.5 Mil (Engr+ Contract Spn) |

4. Procurement Objectives

The procurement objectives include:

- (i) To ensure transparency, fairness, value for money for all project investments.
- (ii) To develop and build the capacity of Small & Medium Scale (Sub-Project Implementers) in the WASH Sector and deepening their participation.
- (iii) To create jobs in accordance with the Governments’ job-creation agenda.

- (iv) To share risks for successful implementation of the project by placing risk with the party best able to manage the risk.
- (v) To implement procurement packages considering the need to avoid extensions of contract duration as much as possible.

5. Recommended Procurement Approach for the Project

(Contracts, Cost Estimates and Procurement Approach)

Below is the summary of procurement packages, contracts and estimated costs.

Summary of Packages (GAMA & GKMA) - Components 1, 3 & 4

| Procurement Category | Estimate Cost (USD) | Number of Procurement Packages. |
|-------------------------|---------------------|---------------------------------|
| Goods | 2,710,000.00 | 30 |
| Works | 46,700,000.00 | 75 |
| Consulting Services | 7,568,00.00 | 40 |
| Non-Consulting Services | 170,000.00 | 4 |

Summary of Packages (GAMA & GKMA) - Component 2

| Procurement Category | Estimate Cost (USD) | Number of Procurement Packages. |
|-------------------------|---------------------|---------------------------------|
| Goods | 7,500,000.00 | 10 |
| Works | 35,400,000.00 | 26 |
| Consulting Services | 6,880,000.00 | 16 |
| Non-Consulting Services | 60,000.00 | 2 |

Table 4 is the recommended procurement approaches for the project:

Table 4: Recommended Procurement approach - Components 1, 2, 3 & 4

| Attribute | Selected arrangement | Justification Summary/Logic |
|------------------------------------|----------------------|---|
| Specifications | Performance | Broad performance specifications will be drawn for which bidders will be required to propose “fit for purpose” solutions. |
| <i>Sustainability Requirements</i> | Collaborative | Measures will be taken at a high-level to clarify directives for funding of operations and maintenance of sanitation facilities and ensure sustainability of the school sanitation facilities. Measures will also be put in place under the AF project to ensure the drainage facilities would receive regular supervision and maintenance by |

| | | |
|---|---|--|
| | | the respective municipalities where they are located so as to ensure they do not get choked with the possibility of causing flooding The Project coordinating Unit (PCU), and any institution participating in the implementation, will not issue a Request for Bids/Proposal of any activity subject to Environmental and Social Impact Assessment (ESIA), without the construction phase's Environmental and Social Management Plan (ESMP) inserted in, and will not authorize the works to commence before the contractor's ESMP (C-ESMP) has been approved and integrated into the overall planning of the works. |
| Contract Type | Traditional | The proposed activities are routine in nature. |
| Pricing and costing mechanism | Lump Sum /time-based | The proposed contracts will be for short duration and bidders will be motivated through the use of the selected payment arrangements. |
| Supplier Relationship | Collaborative | Parties in the contracts will need to be interdependent for mutually fruitful, trustworthy and beneficial relationship. |
| Price Adjustments | Mostly fixed price | Most contracts are expected to be of less than 18 months' duration and therefore, fixed. Provision for price adjustment shall be made for simplified sewerage and GWCL's operational efficiency works which are expected to be carried within 15 to 20 months. |
| Form of Contract (Terms and Conditions) | Standard terms and conditions in National STB or WB SBD will apply | The standard contract template agreed with the Bank will be used. |
| Selection Method | A. Requests for Bids (RFB) B. Requests for Quotations (RFQ) C. DB and DBO D. QCBS, CQS, LCS, etc. E. Direct Selection | The procurement activities are of routine nature; therefore, less complex selection methods shall mostly be considered. |
| Selection Arrangement | None | Not required. |
| Market Approach | A. Type of Competition 1. Open 2. International 3. National B. Number of Envelopes/Stages Single Envelope | Open national and international competitions shall be adopted. |

| | | |
|-----------------------------|--------------------------|--|
| Pre / Post Qualification | Post-Qualification | The process is faster and minimizes the risk of collusion after pre-qualification. It also eliminates political interference during the pre-qualification stage. |
| Evaluation Selection Method | A. Lowest evaluated cost | To achieve VFM. |
| Evaluation of Costs | Adjusted Bid Price | Bids will be technically qualified with minimum qualifying marks and financials of only technically qualified bidders will be compared. |
| Domestic Preference | None | Not required. |
| Rated Criteria | None | Not required. |

6. Summary of PPSD to inform the Bank's preparation of the PAD

Unlike the parent project which was governed by the Bank's Procurement Guidelines, procurement activities under this AF project will be carried out in accordance with World Bank's 'Procurement Regulations for IPF Borrowers: Procurement in Investment Project Financing' (hereinafter referred to as 'Procurement Regulations') dated July 1, 2016, revised November 2017, August 2018 and January 2020+. Procurement under national procurement procedures will follow Ghana Public Procurement Law, Act 663, 2003, which was recently amended in 2016, Amended Act 914. However national procurement will involve the use of the Bank standard documents or modified national document acceptable to the Bank. The World Bank's planning and tracking system, Systematic Tracking of Exchanges in Procurement (STEP), will also be used under the Additional Finance.

Procurement risk rating for the parent project is Substantial. The same agencies that are managing procurement activities under the parent project will continue to manage procurement under the Additional Financing. Though the agencies have gained good experience in World Bank procurement and their performance in procurement has improve substantially under parent project, there still remain the need to address some weaknesses and risks under the AF as discussed below:

Most of the newly created MMAs staff do not have adequate experience in World Bank procurement procedures including preparing effective cost estimation, development of appropriate technical specification of works requirement, and management of bidding process for works contract, as well as contract management of the ensuing works contracts. In addition, local SME contractors do not have adequate financial capacity to mobilise for the construction activities. More often than not, substantial amount of time is required for the preparation and approval of the Environmental and Social Safeguards Instruments which usually contributes to project implementation delays.

The following measures have been proposed to mitigate these risks:

a) Provide hands on implementation support by the PCU team to the MMA officers in addition to other related capacity building activities;

- b) Use the Advance Procurement provision in the Procurement Framework to minimise the delay caused by the selection of Consultant for the preparation of the appropriate Master Plans and safeguards instruments;
- c) The AF project will rely on the Advance Payment provisions in the Standard Contract to ensure the risks of capitalisation by the SME contractors are reduced.

Procurement Plan: Based on this PPSD, the initial procurement plan for the project has been prepared by the Borrower for review by the World Bank prior to negotiation. Once accepted, the procurement plan will be updated regularly by the Borrower (MSWR) to: (i) reflect project implementation requirements; (ii) accommodate changes or modifications that may arise; and, (iii) add new packages as needed for achieving the project PDOs. Procurement plan and their updates or modifications will be subject to the World Bank's prior review and no-objection in STEP. The procurement plan will identify the risk for each activity. Activities for Prior review shall be categorised based on the performance and risk rating. Contracts not subject to prior review will be subject to post review. Procurement post review will be carried out on an annual basis with an initial sampling rate of 20 percent, which will be adjusted periodically during project implementation based on the performance of the project.

PROCUREMENT PLAN FOR THE GREATER ACCRA METROPOLITAN AREA SANITATION AND WATER PROJECT - ADDITIONAL FINANCING: [GAMA (SWP) - AF]

GENERAL INFORMATION

Country: **Ghana**

Bank's Approval date of Original Procurement Plan: **XXXXXXXX** Revised Plan Date: **XXXXXXXXXX**

Project ID: **P171620**

Project Name: **Greater Accra Metropolitan Area Sanitation and Water Project - Additional Financing: GAMA (SWP) - AF**

Loan Credit no.: **XXXXXXXXXX**

Executing Agency: **Project Coordinating Unit - Ministry of Sanitation and Water Resources & Ghana Water Company Limited**

- **Procurement for the project will be carried out in accordance with the World Bank's Procurement Regulations for IPF Borrowers, July 2016, Revised November 2017 and August 2018 and applicable to Investment Project Financing (IPF).** The project will be subject to the World Bank's Anticorruption Guidelines, dated October 15, 2006, as revised in January 2011 and July 2016.
- **A Project Procurement Strategy for Development (PPSD) has been prepared for the project.** Extensive market analysis has been carried out for different packages of procurement. Decisions on packages and lots are made to ensure adequate participation of bidders. Based on risk and market analysis, the procurement plan has

been prepared to set out the selection methods and review thresholds to be followed by the Borrower during project implementation in the procurement of goods, works, consulting and non-consulting services.

- **The table below describes various procurement methods to be used for activities financed by the loan.** The thresholds (Table 3) indicated in apply to the initial 18-months of implementation period and are based on the procurement performance of the project; these thresholds may be subsequently modified.
- The above thresholds are for the initial 18-month implementation period; based on the procurement performance of the project, these thresholds may be subsequently modified. Even for large-value post review cases, the inputs of the World Bank on technical specifications will be obtained by the project. Irrespective of the thresholds, ToRs shall be prior reviewed by Bank. The prior review thresholds will also be indicated in the Procurement Plan. The Procurement Plan will be subsequently updated annually (or at any other time if required) and will reflect any change in the prior review thresholds. The details of National Procurement Procedures are outlined in the Procurement Plan.
- **Prior review contract.** In the case of contracts subject to prior review, the Implementing Agencies will seek the World Bank's no objection before granting/agreeing to: (a) an extension of the stipulated time for performance of a contract that either increases the contract price or has an impact on the planned completion of the project; (b) any substantial modification of the scope of goods, non-consulting services, or consulting services and other significant changes to the terms and conditions of the contract; (c) any variation order or amendment (except in cases of extreme urgency) that, singly or combined with all variation orders or amendments previously issued, increases the original contract amount by more than 15 percent; and (d) the proposed termination of the contract. Complaints received in all prior review cases shall be sent to Bank for review and the response to the complaint in such cases, shall be cleared with the Bank. Complaints with allegations of fraud and corruption shall be shared with Bank, irrespective of the thresholds.
- **Disclosure of procurement information.** The following documents shall be disclosed on the project/state websites: (a) Procurement Plan and its updates; (b) an invitation for bids for procurement of goods, IT system procurement and non-consulting services; (c) request for expression of interest for selection/hiring of consulting services; (d) contract awards of goods, IT system procurement and non-consulting services procured following international and national procedures; (e) a list of contracts/purchase orders placed following RFQ (Request for Quotation) procedures on a quarterly basis; (f) a list of contracts following direct contracting (DC) on a quarterly

basis; (g) an annual financial and physical progress report of all contracts; and (h) an action taken report on the complaints received on a quarterly basis.

- **The following details shall be sent to the World Bank for publishing on the United Nations Development Business and the World Bank external website:** (a) Specific Procurement Notice (i.e. invitation for bids) for procurement of goods, IT system procurement and non-consulting services using open international procedures; (b) Requests for Expression of Interests above USD 300,000; (c) contract award details of all procurement of goods, IT system procurement and non-consulting services using open international procedure; and (d) a list of contracts/purchase orders placed following DC procedures on a quarterly basis. Further, the implementing agency will also publish on their websites any information required under post-review in line with the Ghana Public Procurement Law.
- **National Procurement Procedures:** National competition for the procurement of goods, IT system procurement and non-consulting services according to the established thresholds will be conducted in accordance with paragraphs 5.3–5.5 of Section V of the Regulations
- **Domestic preference:** The provision of domestic preference will be applied in the evaluation of bids in accordance with Annex VI of the Regulations.

Detailed Procurement Plan

Below is the table showing the major procurement activities, the cost estimates, Bank’s oversight and the selection methods that will be used to prepare the procurement plan:

COMPONENT 1, 3 &4:- Implementation Agency: Project Coordinating Unit (PCU) - Ministry of Sanitation and Water Resources

| S/N | Contract Description | Title, | Nr of Packages | Cost USD ('000) | Cost GHs ('000) | Duration (months) | Bank Oversight | Selection Method | Market Approach | Date IFB Publication | Date of Bid Opening | Contract Signing Date | Remarks |
|--------------|---|--------|----------------|-----------------|-----------------|-------------------|----------------|--------------------|---|--------------------------------|--------------------------------|-------------------------------|--|
| WORKS | | | | | | | | | | | | | |
| 1 | Provision of additional 12,000 onsite household toilet facilities benefiting additional 96,000 low income beneficiaries in 25 MMAs GAMA | | 17 | 6,800.00 | 37,400.00 | 24 | Post | Direct Contracting | Direct Contracting with existing SPIs under parent project | 1 st September 2020 | 13 th October 2020 | 2 nd November 2020 | Advance Procurement ; Extension of existing contracts under parent project |
| 2 | Provision of 30,000 on-site household toilet facilities benefiting 240,000 low income beneficiaries in 8 MMAs in GKMA | | 16 | 16,000.00 | 88,000.00 | 24 | Post | NCB | Open, RFB | 10 th November 2020 | 15 th December 2020 | 29 th January 2021 | |
| 3 | Construction of Simplified Sewerage Systems within Selected Communities in GKMA | | 2 | 9,000.00 | 49,500.00 | 15 | Post | NCB | Open, RFB | 31 st March 2021 | 12 th May 2021 | 16 th June 2021 | |
| 4 | Construction of additional 30 Gender Friendly Institutional Toilets facilities in at least 5 MMAs, including water connection - GAMA | | 6 | 2,400.00 | 13,200.00 | 24 | Post | NCB | Open, RFB | 1 st September 2020 | 13 th October 2020 | 2 nd November 2020 | Advanced Procurement |
| 5 | Construction of 120 Institutional Toilets facilities for needy school in all the 8 MMAs, including water connection within GKMA | | 30 | 10,500.00 | 57,750.00 | 24 | Post | NCB | Open, RFB | 25 th February 2021 | 8 th April 2021 | 13 th May 2021 | |
| 8 | Design and Construct a specialized treatment facility | | 4 | 2,000.00 | 11,000.00 | 24 | Post | NCB | Open, RFP | 20 th August | 7 th October | 25 th November | |

| | | | | | | | | | | | | |
|--------------|---|---|----------|----------|----|-------|-----------------|--------------|---------------------------------|---------------------------------|-------------------------------|--|
| | for receiving and processing digested sludge from household bio-digester toilets into reusable products (2 Packages for 2 selected MMAs in GKMA and 2 packages in 2 MMAs in GAMA) | | | | | | | | 2020 | 2020 | er 2020 | |
| GOODS | | | | | | | | | | | | |
| 1 | Project Vehicles (8 Pick Up) for project monitoring at GKMA - One for each MMA | 1 | 400.00 | 2,200.00 | 12 | Post | NCB | Open, RFB | 13 th January 2021 | 24 th February 2021 | 31 st March 2021 | |
| 2 | Motor Bikes (16Nr) and Accessories for Household Toilet Monitoring Team for the 8MMA in GKMA | 1 | 100.00 | 550.00 | 6 | Post | RFQ | Limited, RFQ | 10 th February 2021 | 24 th February 2021 | 31 st March 2021 | |
| 3 | Cross Country Vehicles & Pick Ups for the Project Implementation teams (3Nr CCV + 10 Pickups) - GKMA for travels between Accra - Kumasi | 1 | 1,000.00 | 5,500.00 | 12 | Prior | ICB | Open, RFB | 6 th January 2021 | 24 th February 2021 | 31 st March 2021 | |
| 4 | Office Equipment (Computers, Photocopiers, Printers, Projectors, etc) for the 8 MMAs, PCU-Sub Office in GKMA & GAMA - Framework | 2 | 100.00 | 550.00 | 6 | Post | RFQ | Limited, RFQ | 16 th September 2020 | 30 th September 2020 | 20 th October 2020 | Advanced Procurement to enhance early office setup in GKMA |
| 5 | Stationery & Consumables for 8MMAs and PCU-Sub Office in GKMA & GAMA - Framework | 2 | 75.00 | 412.50 | 12 | Post | RFQ - Framework | Limited, RFQ | 16 th September 2020 | 30 th September 2020 | 20 th October 2020 | Advanced Procurement to enhance early office setup in GKMA |
| 6 | Reproduction of project materials e.g, reports, brochures, manuals, etc. - | 2 | 100.00 | 550.00 | 12 | Post | RFQ - Framework | Limited, RFQ | 6 th April 2021 | 20 th April 2021 | 18 th May 2021 | |

| | | | | | | | | | | | | |
|--------------------------------|---|---|--------|--------|----|------|--------------------|---|----------------------------|-----------------------------|---------------------------|---|
| | GKMA & GAMA - Framework | | | | | | | | | | | |
| 7 | Designing, printing and dissemination of Behaviour Change & Communication Materials - Posters, Flyers, Banners, Stickers, etc. - GKMA & GAMA: Framework Agreement | 2 | 75.00 | 412.40 | 12 | Post | RFQ - Framework | Limited, RFQ | 6 th April 2021 | 20 th April 2021 | 18 th May 2021 | |
| 8 | Designing, printing and dissemination of Behaviour Change & Communication Materials - T-Shirts, Polo-Shirts, Caps, etc. - GKMA and GAMA - Framework Agreement | 2 | 100.00 | 550.00 | 12 | Post | RFQ - Framework | Limited, RFQ | 6 th April 2021 | 20 th April 2021 | 18 th May 2021 | |
| 9 | Lorry Tyres for Project Vehicles for 8MMAs and PCU Sub-Office - GKMA and PCU & 25 MMAs in GAMA - Framework Agreement | 2 | 40.00 | 220.00 | 12 | Post | RFQ - Framework | Limited, RFQ | 6 th April 2021 | 20 th April 2021 | 18 th May 2021 | |
| 12 | Procurement of Data Collection Devices (ICT Logistics) for implementation of ESICApps in GKMA | 1 | 50.00 | 275.00 | 6 | Post | RFQ | Limited, RFQ | 6 th April 2021 | 20 th April 2021 | 18 th May 2021 | |
| NON-CONSULTING SERVICES | | | | | | | | | | | | |
| 1 | Operation and running of Mobile Interoperability Platform for Mobilization of Beneficiary Household Contribution - GAMA & GKMA | 2 | 70.00 | 385.00 | 42 | Post | Direct Contracting | Direct Contracting with existing Service Provider under parent project | 6 th April 2021 | 20 th April 2021 | 18 th May 2021 | Addendum to an existing contract under the parent project |
| 2 | Production and | 2 | 100.00 | 550.00 | 48 | Post | RFQ - | Limited, | 6 th April | 20 th April | 18 th May | |

| | | | | | | | | | | | | |
|----------------------------|--|---|----------|----------|----|------|-----------------------------|-------------------|---------------------------------|--------------------------------|--------------------------------|--|
| | dissemination of Open defecation and hand-washing Videos; Designing & Printing of Newsletters - GAMA & GKMA | | | | | | Frame work | RFQ | 2021 | 2021 | 2021 | |
| CONSULTING SERVICES | | | | | | | | | | | | |
| 1 | Consultancy services for packaging, preparation of safeguards instruments, preparation of tender document and construction supervision of Gender Friendly Institutional Toilet Facilities (3 Lots in GAMA) | 3 | 1,050.00 | 5,775.00 | 36 | Post | CQS | Limited Selection | 29 th September 2020 | 13 th October 2020 | 3 rd November 2020 | Advance Procurement using consultant selected competitively under the parent project |
| 2 | Consultancy services for the preparation of environmental and social impact assessment (ESIA) and Resettlement Action Plan for Specialised Biogas Treatment Facility - GAMA & GKMA | 1 | 50.00 | 275.00 | 6 | Post | Individual Consultancy (IC) | Open, National | 13 th October 2020 | 20 th October 2020 | 24 th November 2020 | |
| 3 | Services as an Independent Verification Agency - GAMA | 2 | 200.00 | 1,100.00 | 36 | Post | Least Cost | Open, National | 10 th February 2021 | 24 th February 2021 | 18 th May 2021 | |
| 4 | Consultancy Services for preparation WASH Baseline Studies in GKMA. | 1 | 200.00 | 1,100.00 | 6 | Post | CQS | Limited Selection | 15 th September 2020 | 13 th October 2020 | 21 st December 2020 | Advance Procurement |
| 5 | Consultancy Services for Update Assessment of Sewerage Systems in GKMA. | 1 | 50.00 | 275.00 | 6 | Post | Individual Consultancy (IC) | Limited Selection | 29 th September 2020 | 13 th October 2020 | 3 rd November 2020 | Advance Procurement |
| 6 | Consultancy Services for Packaging, preparation of tender document and construction supervision of gender friendly institutional | 4 | 1000.00 | 5,500.00 | 24 | Post | CQS | Limited Selection | 15 th September 2020 | 13 th October 2020 | 21 st December 2020 | Advance Procurement |

| | | | | | | | | | | | | |
|----|--|---|--------|----------|----|-------|-----------------------------|-------------------|---------------------------------|--------------------------------|-------------------------------|---------------------|
| | facilities - GKMA. | | | | | | | | | | | |
| 7 | Services for design, tender preparation and construction supervision of Simplified Sewerage System Construction in GKMA | 2 | 800.00 | 4.400.00 | 36 | Prior | QCBS | Open, National | 10 th February 2021 | 24 th February 2021 | 18 th May 2021 | |
| 8 | Consultancy services for the preparation of environmental and social impact assessment (ESIA) for the construction of simplified sewerage system - GKMA | 1 | 100.00 | 550.00 | 6 | Post | Individual Consultancy (IC) | Limited Selection | 29 th September 2020 | 13 th October 2020 | 3 rd November 2020 | Advance Procurement |
| 9 | Preparation of resettlement action plan for the construction of simplified sewerage system - GKMA | 1 | 100.00 | 550.00 | 6 | Post | Individual Consultancy (IC) | Limited Selection | 29 th September 2020 | 13 th October 2020 | 3 rd November 2020 | Advance Procurement |
| 10 | Consultancy Services for the preparation of Environmental & Social Management Plans for Institutional Toilet Facilities - GKMA | 1 | 200.00 | 1,100.00 | 6 | Post | Individual Consultancy (IC) | Open, National | 29 th September 2020 | 13 th October 2020 | 3 rd November 2020 | Advance Procurement |
| 11 | Consultancy Services for the preparation of Environmental & Social Management Plans and Resettlement Action Plans for Specialised Bio-digester Treatment Facility - GKMA | 1 | 200.00 | 1,100.00 | 6 | Post | Individual Consultancy (IC) | Open, National | 29 th September 2020 | 13 th October 2020 | 3 rd November 2020 | Advance Procurement |
| 12 | Services for Independent Annual Financial Audits for GAMA - AF Project | 1 | 100.00 | 550.00 | 12 | Post | Least Cost | Open, National | 10 th August 2021 | 31 st August 2021 | 2 nd November 2021 | |
| 13 | Services for Independent Annual Procurement Audit by an Independent Consultant for GKMA & GAMA | 1 | 50.00 | 275.00 | 6 | Post | Individual Consultancy (IC) | Open, National | 10 th August 2021 | 31 st August 2021 | 2 nd November 2021 | |

| | | | | | | | | | | | | |
|----|--|---|--------|----------|----|------|-----------------------------|--------------------|---------------------------------|--------------------------------|--------------------------------|---|
| 14 | Services for Independent Annual Safeguards Audit for GKMA & GAMA | 1 | 50.00 | 275.00 | 6 | Post | Individual Consultancy (IC) | Limited Selection | 10 th August 2021 | 31 st August 2021 | 2 nd November 2021 | |
| 15 | Consultancy Services to conduct capacity needs assessment of the participating MMAs and RCC in GKMA | 1 | 50.00 | 275.00 | 6 | Post | Individual Consultancy (IC) | Limited Selection | 29 th September 2020 | 13 th October 2020 | 3 rd November 2020 | Advance Procurement |
| 16 | Consultancy Services to update ESICApp Mobile Application and Roll-out Implementation and Management in GKMA | 1 | 100.00 | 5,500.00 | 6 | Post | Direct Contracting | Limited, Selection | 10 th February 2021 | 24 th February 2021 | 18 th May 2021 | Using the Firm that designed the App under parent project |
| 17 | Consultancy Services to develop Integrated Sustainable Gender Based Violence guidelines, tools/toolkits and indicators for project implementers - GKMA | 1 | 50.00 | 275.00 | 6 | Post | Individual Consultancy (IC) | Open, National | 10 th August 2021 | 31 st August 2021 | 2 nd November 2021 | |
| 18 | Consultancy Services to undertake baseline study for the girls school attendance in relation to WASH Infrastructure availability | 1 | 50.00 | 275.00 | 6 | Post | Individual Consultancy (IC) | Open, National | 29 th September 2020 | 13 th October 2020 | 3 rd November 2020 | Advance Procurement |
| 19 | Project Coordinator | 1 | 288.00 | 1,584.00 | 48 | Post | Individual Contract (IC) | Direct Contracting | 4 th December 2020 | 15 th December 2020 | 31 st December 2020 | Addendum to existing contract |
| 20 | Financial Management Expert | 1 | 240.00 | 1,320.00 | 48 | Post | Individual Contract (IC) | Direct Contracting | 4 th December 2020 | 15 th December 2020 | 31 st December 2020 | Addendum to existing contract |
| 21 | Procurement Specialist | 1 | 240.00 | 1,320.00 | 48 | Post | Individual Contract (IC) | Direct Contracting | 4 th December 2020 | 15 th December 2020 | 31 st December 2020 | Addendum to existing contract |
| 22 | Sanitation Engineer | 1 | 240.00 | 1,320.00 | 48 | Post | Individual Contract (IC) | Direct Contracting | 4 th December 2020 | 15 th December 2020 | 31 st December 2020 | Addendum to existing contract |

| | | | | | | | | | | | | |
|----|---|---|--------|----------|----|------|--------------------------|--------------------|-------------------------------|--------------------------------|--------------------------------|-------------------------------|
| 23 | Sanitary Engineer | 1 | 240.00 | 1,320.00 | 48 | Post | Individual Contract (IC) | Direct Contracting | 4 th December 2020 | 15 th December 2020 | 31 st December 2020 | Addendum to existing contract |
| 24 | Environmental Safeguards Specialist | 1 | 240.00 | 1,320.00 | 48 | Post | Individual Contract (IC) | Direct Contracting | 4 th December 2020 | 15 th December 2020 | 31 st December 2020 | Addendum to existing contract |
| 25 | Social Safeguards Specialist | 1 | 240.00 | 1,320.00 | 48 | Post | Individual Contract (IC) | Direct Contracting | 4 th December 2020 | 15 th December 2020 | 29 th January 2021 | Evaluation of CVs |
| 26 | M&E Specialist | 1 | 240.00 | 1,320.00 | 48 | Post | Individual Contract (IC) | Direct Contracting | 4 th December 2020 | 15 th December 2020 | 31 st December 2020 | Addendum to existing contract |
| 27 | Governances & Social Accountability Expert | 1 | 240.00 | 1,320.00 | 48 | Post | Individual Contract (IC) | Direct Contracting | 4 th December 2020 | 15 th December 2020 | 31 st December 2020 | Addendum to existing contract |
| 28 | Behaviour Change & Communications Specialists | 1 | 240.00 | 1,320.00 | 48 | Post | Individual Contract (IC) | Direct Contracting | 4 th December 2020 | 15 th December 2020 | 31 st December 2020 | Addendum to existing contract |
| 29 | WASH Technical Expert for CBT Team | 1 | 240.00 | 1,320.00 | 48 | Post | Individual Contract (IC) | Limited Selection | 4 th December 2020 | 15 th December 2020 | 29 th January 2021 | Evaluation of CVs |
| 30 | Knowledge Management Expert for CBT Team | 1 | 240.00 | 1,320.00 | 48 | Post | Individual Contract (IC) | Limited Selection | 4 th December 2020 | 15 th December 2020 | 29 th January 2021 | Evaluation of CVs |
| 31 | IT Officer for CBT Team | 1 | 120.00 | 660.00 | 36 | Post | Individual Contract (IC) | Limited Selection | 4 th December 2020 | 15 th December 2020 | 29 th January 2021 | Evaluation of CVs |
| 32 | GKMA Sanitary Engineer - Office Manager | 1 | 180.00 | 990.00 | 36 | Post | Individual Contract (IC) | Limited Selection | 4 th December 2020 | 15 th December 2020 | 29 th January 2021 | Evaluation of CVs |

Implementation Agency: Ghana Water Company Limited - Ministry of Sanitation and Water Resources

COMPONENT 2:- Below is the table showing the major procurement activities, the cost estimates, Bank's oversight and the selection methods that will be used to prepare the procurement plan.

Implementation Agency: Project Coordinating Unit - Ministry of Sanitation and Water Resources

| S/N | Contract Title, Description and Category | Nr of Packages | Cost USD ('000) | Cost GHS ('000) | Duration (Months) | Bank Oversight | Selection Method | Market Approach (Options) | Date IFB Publication | Date of Bid Opening | Date of Contract Signing | Remarks |
|--------------------------|---|----------------|-----------------|-----------------|-------------------|----------------|--------------------|---|------------------------------|-------------------------------|-----------------------------|---|
| WORKS PROCUREMENT | | | | | | | | | | | | |
| 1 | Additional Transmission and Distribution Pipeline Improvement Works involving pipes of varying sizes from 100mm to 300mm in GAMA (30km) - Batch 3 Works | 2 | 5,000.00 | 27,500 | 18 | Post | Direct Contracting | Selection of 2 Contractors who satisfactorily completed their works under parent contract | 5 th Sept., 2020. | 19 th Sept., 2020. | 20 th Oct., 2020 | Advance Procurement, Addendum to existing contracts. Project was not done under parent project because of budget constraint |
| 2 | Provision of Private Water Connections benefitting additional 5,000 Households in GAMA | 9 | 2,700.00 | 14,850 | 18 | Post | Direct Contracting | Selection of Contractors who satisfactorily completed their works under parent contract | 5 th Sept., 2020. | 19 th Sept., 2020. | 20 th Oct., 2020 | Advance Procurement, Addendum to existing contracts. Projects was not be done under parent project because of budget constraint |
| 3 | Water Loss Reduction Performance Based Contract in selected districts in Accra East Region of GAMA | 3 | 15,000 | 82,500 | 36 | Prior | ICB | Open, RFP | 12 th Sept., 2020 | 19 th Nov., 2020. | 14 ^h Feb., 2021 | |

| | | | | | | | | | | | | |
|--------------|---|----|----------|----------|--------------------|-------|--------------|--------------|------------------------------|------------------------------|-------------------------------|--|
| 4 | Contract for the implementation of Transmission / Distribution pipeline Improvement Works (90km) improving water supply to 150,000 people in GKMA (4 Packages for 11 MMAs) | 5 | 10,000 | 55,000 | 18 | Post | NCB | Open, RFB | 14 th Jan., 2022 | 14 th Feb., 2022 | 30 th April 2022 | |
| 5 | Provision of Private Water Connections benefitting additional 5,000 Households in GKMA | 10 | 3,000 | 16,500 | 12 | Post | NCB | Open, RFP | 10 th May, 2022. | 10 th June, 2022 | 14 th Aug., 2022. | |
| GOODS | | | | | | | | | | | | |
| 1 | Supply and Delivery of pipes of varying sizes from 100mm to 630mm (2 Packages) | 2 | 4,500 | 24,750 | 6 | Prior | NCB | Open, RFB | 14 th June, 2021. | 14 th July, 2021. | 13 th Sept., 2021. | |
| 2 | Supply and Delivery of the following water metering devices and accessories | 1 | 2,250.00 | 12,375 | 6 | Prior | NCB | Open, RFB | 14 th Oct., 2021. | 14 th Nov., 2021 | 30 th Jan., 2022 | |
| 3 | Supply of Project Vehicles (5 Pick Ups) and 3 Nr. Cross Country Vehicles (CCV) to implement and monitor activities under the project | 1 | 500.00 | 2,750.00 | 1 | Post | NCB | Open, RFB | 3 rd Nov 2020 | 2 nd Dec 2020 | 10 th Feb, 2021. | |
| 4 | Supply and Installation of Hard / Software packages in GWCL Meter Shop in Ashanti Region | 1 | 300.00 | 1,650.00 | 1 | post | NCB | Open, RFB | 3 rd Dec, 2021 | 7 th Jan 2022 | 7 th Mar 2022 | |
| 5 | Procurement of Office Equipment (Computers, Photocopiers, Printers, Projectors, etc) for the PMU Office in Accra, PMU Sub Offices in the 2 Operational Regions and LICSU Unit in GKMA (Framework Agreement) | 1 | 200.00 | 1,100.00 | As and when needed | Post | Shoppin g | Limited, RFQ | 3 rd Nov 2020 | 2 nd Dec 2020 | 10 th Feb, 2021. | |

| | | | | | | | | | | | | |
|--------------------------------|--|---|----------|----------|--------------------|-------|----------|--------------|-------------------------------|------------------------------|-------------------------------|--|
| 6 | Procurement of Stationery & Consumables for PMU Office in Accra, PMU Sub Offices in the 2 Operational Regions and LICSU Unit in GKMA (Framework Agreement) | 1 | 150.00 | 825.00 | As and when needed | Post | Shopping | Limited, RFQ | 3 rd Nov 2020 | 2 nd Dec 2020 | 10 th Feb, 2021. | |
| 7 | Designing, printing and dissemination of GAMA / GKMA works related materials (pipeline works, New Service Connection and LICSU) - Posters, Flyers, Banners, Stickers, etc. (Framework Agreement) | 1 | 50.00 | 275.00 | As and when needed | Post | Shopping | Limited, RFQ | 5 th March, 2021 | 19 th Apr.,, 2021 | 10 th June., 2021. | |
| 8 | Designing, printing and dissemination of GAMA / GKMA works related materials (pipeline works, New Service Connection and LICSU) - T-Shirts, Polo-Shirts, Caps, etc. (Framework Agreement) | 1 | 50.00 | 275.00 | As and when needed | Post | Shopping | Limited, RFQ | 5 th March, 2021 | 19 th Apr.,, 2021 | 10 th June, 2021. | |
| 9 | Supply and Delivery of Fittings for the installation of Ultra Sonic Water Meters | 1 | 1,000.00 | 5,500.00 | 6 | Prior | NCB | Open, RFB | 14 th Sept., 2021. | 14 th Oct., 2021 | 30 th Dec., 2021 | |
| NON CONSULTING SERVICES | | | | | | | | | | | | |
| 1 | Design and Printing of Disbursement Security Forms | 1 | 10 | 55.00 | 1 | Post | Shopping | Limited, RFQ | 12 th March, 2021 | 28 th March, 2021 | 1 st June, 2021 | |
| 2 | Consulting services to provide assistance to GWCL in the 1) production of video documentary; and 2) Production of radio commercials | 1 | 50.00 | 275.00 | 2 | Post | Shopping | Limited, RFQ | 12 th April, 2023 | 28 th May, 2023 | 1 st July, 2023 | |

| CONSULTING SERVICES | | | | | | | | | | | | |
|----------------------------|---|---|----------|---------|----|-------|------|---------------------|------------------------------|------------------------------|------------------------------|---|
| 1 | Consultancy services for the preparation of long term strategic plan for the promotion and provision of water supply to LIUCs | 1 | 100.00 | 550.00 | 6 | Post | CQS | Open, National | 20 th March, 2022 | 20 th April, 2022 | 30 th July, 2022 | |
| 2 | Consultancy Services for the following; Enhancement of customer database for LIUC customers, Testing of Management models for effective water provision to LIUCs and Customer Service Tracking Survey (CSTS) | 1 | 100.00 | 550.00 | 6 | Post | CQS | Open, National | 20 th March, 2022 | 20 th April, 2022 | 30 th July, 2022 | |
| 3 | Provision of Consulting Services for the Preparation of a Water Supply Master Plan for Greater Kumasi Metropolitan Area (GKMA) including the preparation of a calibrated hydraulic Model and an Integrated Water Distribution Network | 1 | 2,000.00 | 11,000 | 14 | Prior | QCBS | Open, International | 10 th Sept, 2020. | 10 th Oct, 2020 | 20 th Feb., 2021 | Advance Procurement requested to avoid delays |
| 4 | Consultancy Service for the provision of the following; Establishment of Telemetry to accurately measure water flows into the 2 operational Regions in GKMA and Establishment of pressure zones in Ashanti North Region and DMAs in selected districts in Ashanti North Region of GKMA | 1 | 2,000.00 | 11,000 | 14 | Prior | QCBS | Open, International | 15 th Feb, 2021. | 15 th Mar, 2021 | 30 th July., 2021 | |
| 5 | Consulting Services for the preparation of Baseline Studies Report and Base maps for | 4 | 420.00 | 2,310.0 | 4 | Post | CQS | Open, National | 20 th Sept, | 20 th Oct, | 20 th Feb., | Advance Procurement requested to |

| | | | | | | | | | | | | |
|----|---|---|----------|----------|----|------|--------------------------|----------------|-----------------------------|-----------------------------|------------------------------|-------------------|
| | selected low income communities in GKMA | | 0 | 0 | | | | | 2020 | 2020 | 2021 | avoid delays |
| 6 | Consulting Services to provide Technical Assistance to PIU on all LICSU activities | 1 | 200.00 | 1,100.00 | 9 | Post | CQS | Open, National | 20 th May, 2021 | 20 th June, 2021 | 20 th Sept., 2021 | |
| 7 | Consulting Services for Construction Supervision of Pipeline improvement works in the 11 MMAs of GKMA | 4 | 1,200.00 | 6,600.00 | 24 | Post | QCBS | Open, National | 20 th Sept, 2021 | 20 th Oct, 2021 | 20 th Feb, 2022 | |
| 8 | Consulting services to implement the Resettlement Action Plan for Pipeline Works in GKMA | 1 | 200.00 | 1,100.00 | 4 | Post | CQS | Open, National | 14 th May, 2021 | 30 th June, 2021 | 20 th Oct, 2021 | |
| 9 | Consulting services to conduct Social & Environmental Audit of the GAMA Project-Component 2 | 1 | 100.00 | 550.00 | 4 | Post | CQS | Open, National | 14 th June, 2023 | 14 th July, 2023 | 20 th Oct., 2023 | |
| 10 | Consulting services to conduct Beneficiary Assessment of the GAMA Project - Component 2 | 1 | 100.00 | 550.00 | 4 | Post | CQS | Open, National | 14 th Dec, 2023 | 14 th Jan, 2024 | 20 th Apr., 2024 | |
| 11 | Environmental Safeguards Officer | 1 | 200.00 | 1,100.00 | 48 | Post | Individual Contract (IC) | Open, National | 4 th Oct 2020 | 15 th Nov 2020 | 15 th Dec 2021 | Evaluation of CVs |
| 12 | Social Safeguards Officer | 1 | 200.00 | 1,100.00 | 48 | Post | Individual Contract (IC) | Open, National | 4 th Oct 2020 | 15 th Nov 2020 | 15 th Dec 2021 | Evaluation of CVs |

PROCUREMENT PLAN Ghana : **GH-GAMA Sanitation and Water Project**

General Information

Country: Ghana Bank's Approval Date of the Original Procurement Plan 2018-09-11
 Revised Plan Date(s): (comma delineated, leave blank) 2022-07-25
 Project ID: P119063 GPN Date:
 Project Name: GH-GAMA Sanitation and Water Project
 Loan / Credit No: IDA / H8540, IDA / 67810
 Executing Agency: Ghana Water Company Limited

| Activity Reference No. / Description | Loan / Credit No. | Component | Review Type | Method | Market Approach | Procurement Process | Prequalification (Y/N) | High SEA/SH Risk | Procurement Document Type | Estimated Amount (US\$) | Actual Amount (US\$) | Process Status | Draft Pre-qualification Documents | | Prequalification Evaluation Report | | Draft Bidding Document / Justification | | Specific Procurement Notice / Invitation | | Bidding Documents Issued | | Proposal Submission / Opening / Minutes | | Bid Evaluation Report and Recommendation for Award | | Signed Contract | | Contract Completion | | | |
|--|-------------------|---|-------------|------------------------|----------------------|------------------------------|------------------------|------------------|---|-------------------------|----------------------|------------------------|-----------------------------------|--------|------------------------------------|--------|--|------------|--|------------|--------------------------|--------|---|------------|--|------------|-----------------|--------|---------------------|------------|------------|------------|
| | | | | | | | | | | | | | Planned | Actual | Planned | Actual | Planned | Actual | Planned | Actual | Planned | Actual | Planned | Actual | Planned | Actual | Planned | Actual | | Planned | Actual | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MSWR/GKWSPPC2-WK/04 / Rehabilitation of GWCL Satellite Office in Greater Kumasi Metropolitan Area (GKMA) | IDA / 67810 | Component 2 - Improvement and expansion of the water distribution network | Post | Request for Quotations | Limited | Single Stage - One Envelope | | | Request for Quotations (Non Bank-SPD) | 70,000.00 | 71,942.43 | Completed | | | | | | | | | | | | | | | | | | | 2021-12-03 | |
| MSWR/GKWSPPC2-WK/02/L0 T2 / Procurement of the Services of Contractors to carry out New Service Connections in GAMA & GKMA (10,000N). | IDA / 67810 | Component 2 - Improvement and expansion of the water distribution network | Post | Request for Quotations | Limited | Single Stage - One Envelope | | | Request for Quotations (Non Bank-SPD) | 200,000.00 | 0.00 | Under Implementation | | | | | | | | | | | | | | | | | | | 2022-07-16 | |
| MSWR/GKWSPPC2-WK/02/L0 T4 / Procurement of the Services of Contractors to carry out New Service Connections in GAMA & GKMA (10,000N). | IDA / 67810 | Component 2 - Improvement and expansion of the water distribution network | Post | Request for Quotations | Limited | Single Stage - One Envelope | | | Request for Quotations (Non Bank-SPD) | 200,000.00 | 0.00 | Under Implementation | | | | | | | | | | | | | | | | | | | 2022-07-16 | |
| MSWR/GKWSPPC2-WK/02/L0 T5 / Procurement of the Services of Contractors to carry out New Service Connections in GAMA & GKMA (10,000N). | IDA / 67810 | Component 2 - Improvement and expansion of the water distribution network | Post | Request for Quotations | Limited | Single Stage - One Envelope | | | Request for Quotations (Non Bank-SPD) | 200,000.00 | 0.00 | Under Implementation | | | | | | | | | | | | | | | | | | | 2022-07-16 | |
| MSWR/GKWSPPC2-WK/02/L0 T6 / Procurement of the Services of Contractors to carry out New Service Connections in GAMA & GKMA (10,000N). | IDA / 67810 | Component 2 - Improvement and expansion of the water distribution network | Post | Request for Quotations | Limited | Single Stage - One Envelope | | | Request for Quotations (Non Bank-SPD) | 200,000.00 | 0.00 | Under Implementation | | | | | | | | | | | | | | | | | | | 2022-07-16 | |
| MSWR/GKWSPPC2-WK/02/L0 T9 / Procurement of the Services of Contractors to carry out New Service Connections in GAMA and GKMA (10,000 N) | IDA / 67810 | Component 2 - Improvement and expansion of the water distribution network | Post | Request for Quotations | Limited | Single Stage - One Envelope | | | Request for Quotations (Non Bank-SPD) | 200,000.00 | 0.00 | Under Implementation | | | | | | | | | | | | | | | | | | | 2022-07-16 | |
| MSWR/GKWSPPC2-WK/03/L0 T1 / Procurement of Contractor to implement Batch 3 Pipeline Works in GAMA | IDA / 67810 | Component 2 - Improvement and expansion of the water distribution network | Post | Request for Bids | Open - National | Single Stage - One Envelope | | | Request for Bids - Works (without pre-qualification) SPD | 2,500,000.00 | 0.00 | Under Implementation | | | | | 2021-08-02 | 2022-02-01 | 2021-08-09 | 2022-03-25 | | | 2021-09-20 | 2022-03-17 | 2021-10-20 | | | | | 2021-12-01 | 2022-12-01 | |
| MSWR/GKWSPPC2-WK/03/L0 T2 / Procurement of Contractor to carry out Batch 3 Pipeline Works in GAMA | IDA / 67810 | Component 2 - Improvement and expansion of the water distribution network | Post | Request for Bids | Open - National | Single Stage - One Envelope | | | Request for Bids - Works (without pre-qualification) SPD | 2,500,000.00 | 0.00 | Under Implementation | | | | | 2021-03-24 | 2022-02-01 | 2021-03-31 | 2022-03-25 | | | 2021-05-12 | 2022-03-17 | 2021-06-11 | | | | | 2021-07-23 | 2022-07-23 | |
| MSWR/GKWSPPC2-WK/02/L0 T10 / Procurement of the Services of Contractors to carry out New Service Connections in GAMA and GKMA (10,000 N). | IDA / 67810 | Component 2 - Improvement and expansion of the water distribution network | Post | Request for Quotations | Limited | Single Stage - One Envelope | | | Request for Quotations (Non Bank-SPD) | 200,000.00 | 0.00 | Under Implementation | | | | | | | | | | | | | | | | | | | 2022-07-16 | |
| MSWR/GKWSPPC2-WK/02/L0 T11 / Procurement of the Services of Contractors to carry out New Service Connections in GAMA & GKMA (10,000N). | IDA / 67810 | Component 2 - Improvement and expansion of the water distribution network | Post | Request for Quotations | Limited | Single Stage - One Envelope | | | Request for Quotations (Non Bank-SPD) | 200,000.00 | 0.00 | Under Implementation | | | | | | | | | | | | | | | | | | | 2022-07-16 | |
| MSWR/GKWSPPC2-WK/02/L0 T3 / Procurement of the Services of Contractors to carry out New Service Connections in GAMA & GKMA (10,000N). | IDA / 67810 | Component 2 - Improvement and expansion of the water distribution network | Post | Request for Quotations | Limited | Single Stage - One Envelope | | | Request for Quotations (Non Bank-SPD) | 200,000.00 | 0.00 | Under Implementation | | | | | | | | | | | | | | | | | | | 2021-10-04 | 2022-04-02 |
| MSWR/GKWSPPC2-WK/02/L0 T7 / Procurement of the Services of Contractors to carry out New Service Connections in GAMA & GKMA (10,000N). | IDA / 67810 | Component 2 - Improvement and expansion of the water distribution network | Post | Request for Quotations | Limited | Single Stage - One Envelope | | | Request for Quotations (Non Bank-SPD) | 200,000.00 | 0.00 | Under Implementation | | | | | | | | | | | | | | | | | | | 2022-07-16 | |
| MSWR/GKWSPPC2-WK/02/L0 T8 / Procurement of the Services of Contractors to carry out New Service Connections in GAMA & GKMA (10,000N). | IDA / 67810 | Component 2 - Improvement and expansion of the water distribution network | Post | Request for Quotations | Limited | Single Stage - One Envelope | | | Request for Quotations (Non Bank-SPD) | 200,000.00 | 0.00 | Under Implementation | | | | | | | | | | | | | | | | | | | 2022-07-16 | |
| MSWR/GKWSPPC2-WK/05 / Performance-Based Contract of Water Loss Reduction in selected districts in GWCL's Accra-East Operational Region of the Greater Accra Metropolitan Area (GAMA) | IDA / 67810 | Component 2 - Improvement and expansion of the water distribution network | Prior | Request for Bids | Open - International | Single Stage - Two Envelopes | | | Request for Bids - Water Loss Reduction, Performance-Based Contracts SPD (two-envelope process) | 17,000,000.00 | 0.00 | Pending Implementation | | | | | | | 2022-08-01 | 2022-08-06 | | | | | 2022-09-17 | 2022-11-30 | | | | | 2023-01-04 | 2024-12-31 |

| Activity Reference No. / Description | Loan / Credit No. | Component | Review Type | Method | Market Approach | Procurement Process | Prequalification (Y/N) | Estimated Amount (US\$) | Actual Amount (US\$) | Process Status | Draft Pre-qualification Documents | | Prequalification Evaluation Report | | Draft Bidding Document / Justification | | Specific Procurement Notice / Invitation | | Bidding Documents Issued | | Proposal Submission / Opening / Minutes | | Bid Evaluation Report and Recommendation for Award | | Signed Contract | | Contract Completion | | | | | | | | | | | | |
|--|-------------------|---|-------------|------------------|-----------------|---------------------|------------------------|-------------------------|----------------------|----------------|-----------------------------------|--------|------------------------------------|--------|--|--------|--|--------|--------------------------|--------|---|--------|--|--------|-----------------|--------|---------------------|--------|--|--|--|------------|------------|------------|------------|------------|------------|------------|------------|
| | | | | | | | | | | | Planned | Actual | Planned | Actual | Planned | Actual | Planned | Actual | Planned | Actual | Planned | Actual | Planned | Actual | Planned | Actual | Planned | Actual | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GWCL/GSWPP/01/16 / Supply and delivery of additional 50 40 No.Ultra sonic customer meters (DN 15) including various device accessories for New Services Connection in GAMA | IDA / H8540 | Component 2 - Improvement and expansion of the water distribution network | Prior | Direct Selection | Direct | | | 680,000.00 | 670,169.98 | Completed | | | | | | | | | | | | | | | | | | | | | | 2018-10-05 | 2019-01-31 | 2018-10-10 | 2020-01-08 | 2018-11-01 | 2019-03-22 | 2019-02-04 | 2019-03-22 |

| | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|---|-------|------------------------------------|----------------------|--|--------------|------|------------------------|------------|--|------------|--|------------|--|--|------------|------------|------------|------------|------------|
| MSWR/GKWSPIC2-CS07 / Consulting services for Establishment of Telemetry System in the Greater Kumasi Metropolitan Area (GKMA) | IDA / 67810 | Component 2 – Improvement and expansion of the water distribution network | Prior | Quality And Cost-Based Selection | Open - International | | 2,000,000.00 | 0.00 | Pending Implementation | 2022-08-22 | | 2022-09-05 | | 2022-10-26 | | | 2022-11-23 | 2022-12-23 | 2023-01-27 | 2023-03-03 | 2024-03-02 |
| MSWR/GKWSPIC2-CS01 / Procurement for the services of a Consultant to supervise the Performance Based Water Loss Reduction Project | IDA / 67810 | Component 2 – Improvement and expansion of the water distribution network | Prior | Quality And Cost-Based Selection | Open - International | | 1,000,000.00 | 0.00 | Canceled | 2022-04-11 | | 2022-05-02 | | 2022-06-15 | | | 2022-07-27 | 2022-08-26 | 2022-09-30 | 2022-11-04 | 2025-05-26 |
| MSWR/GKWSPIC2-CS13 / CONSULTANCY SERVICES FOR THE PREPARATION OF RESET ELEMENT ACTION PLAN (RAP) FOR PIPELINE IMPROVEMENT WORKS IN GKMA | IDA / 67810 | Component 2 – Improvement and expansion of the water distribution network | Post | Consultant Qualification Selection | Limited | | 120,000.00 | 0.00 | Pending Implementation | 2022-07-25 | | | | 2022-08-08 | | | | 2022-09-07 | 2022-10-19 | 2023-01-17 | |

INDIVIDUAL CONSULTANTS

| Activity Reference No. / Description | Loan / Credit No. | Component | Review Type | Method | Market Approach | Contract Type | Estimated Amount (US\$) | Actual Amount (US\$) | Process Status | Terms of Reference | | Invitation to Identify/Selected Consultant | | Draft Negotiated Contract | | Signed Contract | | Contract Completion | | |
|--|-------------------|---|-------------|---------------------------------|----------------------|---------------|-------------------------|----------------------|------------------------|--------------------|------------|--|------------|---------------------------|--------|-----------------|------------|---------------------|------------|--|
| | | | | | | | | | | Planned | Actual | Planned | Actual | Planned | Actual | Planned | Actual | Planned | Actual | |
| MLGRD/GSPIC2-CS018 / Addendum No. 2 to Consulting Services to provide Technical Assistance to Ghana Water Company Limited and the Government of Ghana (GoG) in the review of Technical and Legal Agreements related to the Besea Tette Desalinatio | IDA / H8540 | Component 2 – Improvement and expansion of the water distribution network | Prior | Direct Selection | Direct | | 314,528.00 | 0.00 | Canceled | 2018-11-16 | | 2018-11-23 | 2018-11-21 | | | 2018-12-16 | | 2019-12-16 | | |
| MLGRD/GSPIC2-CS022 / Consulting services to prepare Pre-Feasibility Studies and Preliminary Assessment for the Kumasi Water Supply system rehabilitation and expansion project. | IDA / H8540 | Component 2 – Improvement and expansion of the water distribution network | Prior | Direct Selection | Direct | | 320,000.00 | 318,004.31 | Completed | 2020-04-29 | 2020-04-28 | 2020-05-09 | 2020-04-22 | | | 2020-07-01 | 2020-05-04 | 2020-12-28 | 2020-08-19 | |
| MSWR/GKWSPIC2-CS09 / CONSULTANCY SERVICES FOR CONDUCTING ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT (ESIA) FOR FOR THE PIPELINE IMPROVEMENT WORKS IN THE GREATER KUMASI METROPOLITAN AREA (GKMA) UNDER THE GREATER ACCRA METROPOLITAN AREA (GAMA) SANITATION AND WATER | IDA / 67810 | Component 2 – Improvement and expansion of the water distribution network | Post | Individual Consultant Selection | Open - National | | 90,000.00 | 0.00 | Under Implementation | 2022-07-18 | 2022-07-20 | 2022-09-05 | | 2022-09-26 | | 2022-10-31 | | 2023-01-29 | | |
| MSWR/GKWSPIC2-CS11 / Procurement of the services of an Independent Expert for the Performance-Based Water Loss Reduction Contract | IDA / 67810 | Component 2 – Improvement and expansion of the water distribution network | Post | Individual Consultant Selection | Open - International | | 120,000.00 | 0.00 | Pending Implementation | 2022-10-03 | | 2022-11-21 | | 2022-12-12 | | 2023-01-16 | | 2024-12-31 | | |
| MSWR/GKWSPIC2-CS12 / Procurement of the services of a Dispute Resolution Expert for the Performance-Based Water Loss Reduction Contract in GAMA | IDA / 67810 | Component 2 – Improvement and expansion of the water distribution network | Post | Individual Consultant Selection | Limited | | 40,000.00 | 0.00 | Pending Implementation | 2022-11-15 | | 2022-11-20 | | 2022-12-11 | | 2023-01-15 | | 2024-12-30 | | |
| MSWR/GKWSPIC2-CS14 / CONSULTANCY SERVICES FOR CONDUCTING ESIA FOR THE IMPLEMENTATION OF PIPELINE WORKS IN GKMA | IDA / 67810 | Component 2 – Improvement and expansion of the water distribution network | Post | Individual Consultant Selection | Limited | | 90,000.00 | 0.00 | Pending Implementation | 2022-07-25 | | 2022-07-30 | | 2022-08-27 | | 2022-10-01 | | 2022-12-30 | | |