

To: Dutch water sector interested in Ghana  
 From: FME, NABC, NWP  
 Date: 11-9-2014  
 Subject: **Delegation list incoming Ghana MMM to The Netherlands 28/9 to 3/10 2014**

NUMBER	NAME OF ORGANISATION	STATUS
1	Waste Landfills Company limited	COMPANY
2	Youth and Social Enterprise Fund (Y-SEF) & GWF	COMPANY & Foundation
3	Friends of the Nation and Sekondi-Takoradi	NGO
4	Plastic Waste Collectors Association of Ghana	ASSOCIATION
5	MULTI-HYDRO TECHNIQUE LTD	COMPANY
6	Environmental Services Providers Association	ASSOCIATION
7	Rockshell Engineering Limited	COMPANY
8	Africa Advancement Africa Advancement Campaignices Gh Ltd, Volta Ghana Investment, Ga West and Central Municipal Assemblies etc Campaign	Consortium
9	J. STANLEY-OWUSU & COMPANY LTD (JSO)	Company
10	Del Ronna Co	Company
11	ECMP Gh. Limited	Company
12	Dynamite Communications Limited	Company
13	Safe Water Network	NGO
14	Dutch Water Partners	Company
15	Institute for Infrastructure Development	knowlegde institute/company
16	Opportunities Industrialization Centers Int (OICI)	NGO
17	Dominion Waste	Company
18	UNIK RESTROOM	company
	<b>GOVERNMENT OFFICIALS</b>	
1	HON JULIUS DEBRAH	MINISTER
2	NAA DEMEDEME	DIRECTOR - EHSD
3	SAM Atukwei Quaye	MAYOR
4	IBRAHIM BAIDOO	MAYOR
5	MRS ADINIYIRA DELALI	MAYOR
6	ISAAC ASHAI ODAMTTEN	MAYOR
7	ABDUL-REHMAN HEAN GONDOW YIRIFA	MAYOR

Company	Company profile (main activities/services)	Description of project plans	Profile of Dutch partners	Region
Waste Landfills Company limited	Waste management consultancy services. It provides solutions in; <ul style="list-style-type: none"> <li>• operation and maintenance of landfill sites</li> <li>• Design and construction of landfill sites</li> <li>• Installation of landfill gas management systems</li> <li>• Transfer station construction and management</li> <li>• Waste evacuation and disposal</li> <li>• Special waste destruction and disposal</li> <li>• Rental of earth moving equipment</li> <li>• Waste management consultancy services</li> </ul>	The project aims to <b>improve the waste disposal system</b> that is currently in place. Waste landfills company aims <b>to design and build a phased engineered sanitary landfill with special wastes cells to dispose off industrial waste like asbestos etc.</b> Plans are far advanced by the company to acquire a 300 acre piece of land at Dodowa 48, kilometres north east of Accra for this project. The project target will be the city of Accra and surrounding municipalities, waste contractors, manufacturing industries (light & heavy) in the catchment area and state institutions like the food and drugs authority and Customs Excise and Preventive Service. The project is currently in the certification and design stage. <b>The company is aiming for the following results:</b> 1. Reduce pressure on the neighbouring municipal sanitary landfill in Tema 2. Prevent the emergence of illegal dumpsites at the periphery of the city 3. Preventing Landfill gas and leachate migration to communities close to stone quarries substituting as waste disposal sites 4. Environmentally friendly disposal of municipal and special solid waste 5. Support manufacturing industries to manage their hazardous waste effectively	Waste landfills company limited is interested in partnering with experienced <b>Dutch environmental engineering and waste management companies with experience in the design and development (lateral &amp; vertical expansion) of landfill projects. Landfill gas management installation &amp; construction as well as specialised companies in the evacuation, treatment and disposal of special (hazardous) wastes.</b> The Dutch partner would provide technical and financial support, technology transfer, training of personnel, provision of quality assurance aspects of the design, development of the landfill projects.	Greater Accra Region
Youth and Social Enterprise Fund (Y-SEF) & GWF	Y-SEF supports the development of local enterprise capacity, especially young entrepreneurs and other marginalized groups and communities, by facilitating access to microfinance and other development services, including business development services, networking and advocacy for socio-economic investments that lead to sustained empowerment.	Inadequate access to WASH services in combination with population growth leads to waste production and pollution. The envisaged services are WASH financing and leasing products to target MSMEs, communities and households operating in the following areas among others: <ul style="list-style-type: none"> <li>• Installing / operation /maintenance of community-based water storage tanks;</li> <li>• Repair /building of decentralized/small treatment plants for liquid waste</li> <li>• Establishing WASH insurance outlet</li> <li>• Building of waste banks for storage of waste materials</li> <li>• Tele billing and payment points for WASH services</li> <li>• Management of private water kiosk; water distribution points</li> <li>• Building/operating Public latrines facilities (under private management);</li> <li>• Building of /individual house latrines;</li> <li>• Manufacturing hand-washing facilities.</li> <li>• Skills training and development for small/medium scale entrepreneurs</li> <li>• Leasing of septic emptying/ solid waste collection trucks</li> <li>• Re-use of faecal sludge or solid waste (waste to energy or waste to food)</li> <li>• Separation of waste streams/ Organization of source separation of waste</li> </ul> <p>The operational mechanism will include demand creation including the use of varied delivery/information channels like community radio stations, WASH financing and BDS forums and information markets; through business, trade associations and financial networks; among others.</p>	Partner to manage the fund under the GWW and to bring international exposure and expertise to complement the local expertise.	Ghana
Friends of the Nation and Sekondi-Takoradi	FoN is a non-profit sharing organization with no share holders. FoN is involved in socio-environmental advocacy promoting citizens' participation in three governance programme areas: <ul style="list-style-type: none"> <li>a) Community Development</li> <li>b) Natural Resources and</li> <li>c) Enterprise Development</li> </ul> FoN is involved in several socio-environmental projects interventions in Ghana's four coastal Regions.	The discovery of Oil and Gas in commercial quantities off the coast of South-West Ghana has contributed to aggravated challenges faced by residents and local authorities of the Metropolis. These includes: <p><b>Water</b></p> <ul style="list-style-type: none"> <li>- Inadequate provision and management of safe water by local authorities and service providers.</li> <li>- Poor provision &amp; access to regular clean water by residents.</li> </ul> <p><b>Toilets</b></p> <ul style="list-style-type: none"> <li>- Non-compliance of local laws by house-owners for the provision of appropriate toilets within homes.</li> <li>- Inadequate availability of public toilet facilities.</li> </ul> <p>Open defecation &amp; faecal littering causing health hazards &amp; loss of potential social &amp; economic benefits within the metropolis.</p> <p><b>Waste Management</b></p> <ul style="list-style-type: none"> <li>- Inefficient management services resulting in heaps of uncollected garbage in residential and commercial areas of the metropolis over long periods of months.</li> <li>- Ineffective dumpsite, landfill and waste management systems/activities</li> </ul> <p><b>Solution:</b> Research into application of asphyxiation (wood ash from the common household charcoal-pot &amp; charcoal powder) will be carried out. Produced &amp; marketed as an eco-friendly decomposition agent, consumers can use it to treat fecal matter. The product accelerates decomposition of organic matter and also, eliminates bad stench from the fecal matter.</p>	Seeks partnership with Private-sector, like-minded Dutch Institutions and Civil Society groups; <ul style="list-style-type: none"> <li>- To provide coastal &amp; selected inland communities with adequate amounts of clean water all-year round.</li> <li>- To provide these communities with eco-friendly toilets.</li> <li>- Explore rain harvesting technologies.</li> <li>- Undertake feasibility study for a 'waste to commodity' technology plant in the metropolis.</li> <li>- Facilitate stakeholder and public participation in WASH services delivery</li> </ul>	
Plastic Waste Collectors Association of Ghana	Members of the Association currently collect Plastic Waste and sell to other members who are recyclers for recycling throughout Ghana. Members are presently collecting and recycling over 120 tons of plastic waste on a daily basis	There is no PET recycling machine in Ghana. The PET bottles are currently collected haphazardly by scavengers who sell them to small scale producers of palm oil, alcoholic beverages and liquid soap. The health implications from this system alone are enough motivation to Local Assemblies to support this initiative. The multinational partners understand the need to embark on PET recycling as corporate social responsibility and also as cost saving mechanism. The new PET Bottles sell at 0.07 US Dollars; this price could be halved through recycling for the interested companies.	Experts who have experience with similar PET recycling businesses and projects	

Environmental Services Providers Association	ESPA is an Association of Waste Management Companies providing both solid and liquid waste management services within the Metropolitan, Municipal and District Assemblies (MMDAs) across Ghana. It coordinates the activities of its members to provide environmentally friendly services in the areas of solid waste and liquid waste management, to influence policy making from an eco-friendly perspective and to advocate for increased private sector participation in the waste management sector.	ESPA provides waste management services such as collecting waste (solid, liquid, e-waste etc) to final disposal sites as well as managing landfill sites. These services require the use of varied equipments (e.g. Waste bins, Roll on/off, compaction trucks, caterpillars, pickups etc.). However, the majority of the members do not have adequate equipments to carry out their mandate. Because of low capacity most of the contractors have only been able to register between 50% and 70% of households in their jurisdiction leaving a sizable number of household uncovered and potential income lost.  With the support of the MMDAs ESPA members approach every household in their allocated zone to register them for waste management services. The households who refuse to register are sensitised on the need to do so. Those who do not register after the sensitisation are reported to the assembly for necessary action according to the assembly's byelaws.	Dutch Partners:  <ul style="list-style-type: none"> <li>To assist waste contractors by providing used and functional Euro two or Three Trucks to enhance their operation, through a credit (guarantee) scheme.</li> <li>To improve capacity of solid waste contractors, in particular, on operational optimization, book-keeping and revenue collection.</li> <li>To provide a solid waste transfer stations at strategic locations within the urban Accra to facilitate the collection and haulage of all solid waste to the transfer stations for onward transfer to final disposal sites.</li> <li>To support with equipments and training to sort plastics and materials for compost out of the waste for recycling and reduce the amount of waste that end up at the final disposal sites in the process.</li> <li>The possibility of converting waste to energy (e.g. extracting methane gas from the final disposal sites) and feeding the energy into the national grid.</li> <li>Lastly an organisation to support ESPA to provide waste contractors to provide Bin or Bin Liners to enhance their operations through a credit(guarantee) scheme, and support with public education, an awareness creation and educational campaign on attitudinal change at the households, primary, secondary and colleges levels.</li> </ul>	Ghana
Africa Advancement Campaigns Gh Ltd, Volta Ghana Investment, Ga West and Central Municipal Assemblies etc Campaign	Consortium of company, ngo's, social enterprise. Deliver WASH Services. Value Chain Approach for Improved Water and Sanitation in Ghana (Ga West, Central and Others ) through Waste Water Reuse, Organic Fertiliser and Energy to enhance Employment and Income of the Pro Poor.	<b>Problem statement:</b> More than 50% in the greater Accra Region of Ghana, does not have access to safe water and sanitation; lack of potable water in the urban/periphery areas and lack of water for farmers <b>Solution: Construction of 6 high yield boreholes by an PPP Operator</b>  <ol style="list-style-type: none"> <li>Supply fresh water to three municipal assemblies</li> <li>Wastewater for agriculture and industrial use</li> <li>Agreement with Ghana Water Company Limited to use excess irrigation water to supply the three MAs</li> </ol>	<ul style="list-style-type: none"> <li>&gt; safe water &amp; sanitation</li> <li>&gt; drinking water</li> <li>&gt; employment generation</li> <li>&gt; water irrigation</li> <li>&gt; recycling and reuse</li> <li>&gt; production of bio fertiliser</li> </ul> <p><b>Ballast Nedam BV would be in charge of the construction of the treatment facility as well as the construction of the pipelines within the project areas as well as Ghana Water Company Ltd (GWCL) involvement is high from project conception to completion.</b></p>	Ga West, Ga South, Ga Central
J. STANLEY-OWUSU & COMPANY LTD (JSO)	JSO is an indigenous Ghanaian company, set up in 1971. The core activities of JSO include <b>waste collection (domestic &amp; industrial); landfill operation and management.</b> JSO operates in Accra, Accra City Council, Accra Metropolitan Assembly and currently also operates in Tema, Kumasi, Sekondi Takoradi. JSO currently collects waste in Okaikoi sub-metro area and the Ga South Municipal Assembly area, where it also manages a landfill. It operates the 1st engineered landfill site and septage treatment plant in Kumasi. JSO also has on-going waste-to-energy projects. It also supplies 240 liter bins to households and collects the waste on scheduled days from the communities using waste compaction trucks. It is also responsible for the collection of organic waste in all the major markets in Accra and the Ga South Municipality.	<b>Problem/solution:</b> project has a considerable impact as it drastically increases the waste collection capacity with about 50% more waste transported out of the city to the landfill by the WTCs. It will reduce the amount of dumber waste at landfill sites. Moreover, the conversion of the organic materials (80%) into compost positively contributes to the agricultural sector; organic fertilizers will help improve the quality of the soil. The biogas technology can be used to generate gas for public institutions and private set-ups. By using the organic materials, mixed with liquid waste, to produce the right feed for the Biogas reactors.  <b>The project idea</b> is the collection of Biomass straight from the door of the individual producer to <b>reduce the quantity of the Domestic Mixed Waste (DMW) by a minimum of 50% at the landfill site.</b> Transform biomass into high grad compost to be used in landscape, agriculture and gardening. Part of it will be processed through worms to <b>organic fertilizer</b> also for commercial sales on the existing market. Moreover, <b>the biomass could be used to produce biogas, which can be used to power WCTs and reduce emission during waste collection.</b> Wood cuts from trees can be used for additional biomass and can be processed into charcoal. quantities are about 300 tons p/day, which is about 130 tons of charcoal.	JSO is in the position to contribute the equipment and land for the project. JSO is looking for companies with vast experience in the biomass industry, as th econcept project involves the production of compost, biogas and charcoal. It must have a proven track record with similar projects outside the cooperation with NL RVO. The main component will be the willingness to partner with JSO for the operation of the Organic Waste Center (OWC) to be set up in the Ga West Municipality; the project will be the blueprint for such OWCs throughout the country. Looking for a sustainable relationship for the coming 10 years. The Dutch partner should have the know-how in designing different Biogas systems tailor-made for the potential customers. He should also have long experience int he production of compost & handling of biomass. Hence, it should be a specialized company for the biomass conversion into different end products with the willingness of know-how transfer under a partnership with the JSO Group. The potential market is huge for the Dutch company.	Ga South, West and Central
Del Ronna Limited	Del Ronna Company Ltd. Is active in the collection and recycling of plastic waste.	<b>Problem statement:</b> Plastic waste causes a lot of problems in Ghana, in the city of Accra more specifically, health and sanitary problems as it blocks drains which again causes a lot of problems especially with regards to diseases. Plastic is non biodegradable, hence, it chokes drains, treathens animals, damages the soil and pollutes beaches and forms a danger for the environment and the livelihood of the residents in Accra. <b>Solution:</b> To build a recycle plant to process post-consumer plastic waste into granules for onward sales to manufacturers of plastic waste bins, bin liners and other plastic products. The processes will involve:  <ul style="list-style-type: none"> <li>Sensitisation people and creating public awareness for households to separate plastic waste from organic and metallic wastes.</li> <li>Engage the unemployed youth to collect plastics waste which had littered the environment for onward sale at our collection points which will be set up in the districts.</li> <li>Additionally, set up collection points for plastic waste at land fill sites in the Greater Accra Region.</li> <li>Set up of buy-back centres where plastic waste or scraps could be purchased</li> <li>Plastic wastes bought or collected from centres will be sent to the processing centre where they would be sorted, washed, shredded and palletised into granules.</li> </ul> <p>There exists a ready market for the plastic granule which had always been imported with the hard earned foreign exchange. Plastic product manufactures in Ghana imports about 1200 tons of plastic granules per month for their productions at rates in excess of USD 1400. This excludes shipping and import duties, handling and transportation cost.</p>	<b>An organisation that can assist in preparing a marketable proposal as well as meeting with potential investors who will be interested in partnering us to set up the recycling plant.</b>  <ul style="list-style-type: none"> <li>&gt; collection of plastic waste</li> <li>&gt; recycling of plastic waste</li> </ul> <p><b>Looking for Companies, NGOs and others.</b></p> <ul style="list-style-type: none"> <li>- An organization with the technical and financial resources to partner us to collect ,manage and recycle plastic waste.</li> <li>- Meeting with a Dutch counterpart who will be interested in partnering us to set up the recycling plant</li> </ul>	Amasaman in the Ga West Municipality

ECMP Gh. Limited	Environmental, Civil and Mining Projects (GH) Ltd. (ECMP Gh. Ltd.) is a limited liability company that specialise in waste and sanitation management within Ghana and across West Africa. ECMP owns the franchise owners, providers and managers of the dry non-flush, waterless toilet technology, called the Enviro-loo, in Ghana and West Africa.	<p><b>Problem statement:</b> There is huge demand for the technology because of lack of adequate public and household latrines. Major buyers of the product are the Assemblies and the schools for public use. However, should there be potential for subsidies for communal use, the demand would be higher. The current government policy does not allow subsidy for household toilets, however public latrines are fully subsidised.</p> <p>The main goal of the project is to improve on sustainable basis, sanitation, hygiene and the use of safe drinking water in some selected urban areas. The specific goal of intervention which the partnership is targeting is the improvement of access to and use of sanitation and hygiene especially for the poorest and most vulnerable population group. This will be achieved by introducing the Enviro-Loo</p> <p>Target group: Enviro-Loo is affordable for the community if constructed as a communal toilet, since it may not be affordable to the rural poor household heads with low monthly income below US\$100.00.</p>	NGO/ Dutch with faecal waste management background, knowledge institute/government? The Dutch partner will be the lead party and responsible for the submission of the grant application on behalf of the partnership. The lead partner will be the grant recipient and bears full responsibility to the ministry for the fulfilment of all obligations allocated with the grant.	
Dutch Water Partners	Bucon Industries is the parent company of Dutch Water Partners. Manufacture of water storage tanks, marketing and sale of water storage tanks, water purification systems, etc.	<p><b>Problem:</b> In Damongo, there is no drinking water available to the people because Ghana Water Company pulled out of the city in 2002 and has not returned there ever since. Majority of the people of Damongo depend on untreated dam water for drinking. <b>Project idea:</b> implement drinking water projects in Damongo in the Northern Region and a sanitation project in Sagnarigu, Tamale. <b>Goal of the project</b> is to supply drinking water to about 25000 people. for the people, and facilitate social economic independence for the deprived people of Damongo.</p> <p><b>Action:</b> Intervention is to provide drinking water to households through piping, construction of public standing pipes or water kiosks. About 3000 households will be targeted to connect to their homes. The average household size in Damongo is 8 persons.</p>	NGO, Company and government. Demand: High Financial Capacity, must be in Drinking Water and Waste Water technology sector, must be willing to be part of a committed partnership. Supply the water technology to implement the project and to transfer knowledge to the local Ghanaian people.	
Opportunities Industrialization Centers Int (OICI)	OICI is a non-profit, non-governmental organization headquartered in Philadelphia in the United States of America. Its mission is to improve the quality of life of low-income, disadvantaged individuals in developing countries through the provision of sustainable human resource development services and humanitarian assistance. Since 1970 OICI (Ghana) has successfully trained thousands of the least-educated; most socially and economically underprivileged youth and adults who live in developing countries and turned them into productive, well esteemed members of their communities. OICI has also specialized in creating indigenous affiliate nongovernmental and community-based organizations. OICI designs programs in developing and transitional countries that provide training, and supporting equipment, infrastructure, and services in areas of vocational and technical skills, agricultural and rural development, health and nutrition, post-conflict rehabilitation, entrepreneurship and business development, and micro-finance. Our strategy also includes water and sanitation programs that increase the availability of and access to potable water sources in rural communities to reduce the incidence of water borne diseases. Deep borehole wells are built with the participation and contribution of community members. OICI works with these same communities to establish water and sanitation committees who in turn disseminate educational	<p>sanitation / reduce water borne diseases /potable water</p> <p>The project idea is to significantly increase improved sanitation coverage for 4,000 households in the Ga Central Municipality and Ga west Municipalities of the Greater Accra Region of Ghana through a multifaceted PPP approach:</p> <p>BCC underscored by CLTS to create and sustain demand; Innovative and responsive micro-financing targeting households that prioritize sanitation improvement and demonstrate commitment; Active private sector participation that ensures timely delivery of material and services to guarantee supply for construction of facilities; INGO partner to deepen capacity building and sharing of good practices and influencing.</p> <p><b>PROBLEM to be addressed</b> is the high incidence of faeco-oral disease among urban populations in Ga Central and Ga West Municipalities arising from very low sanitation and household latrine coverage and uptake (arising from poverty). <b>GOAL</b> is to promote healthy living for 4,000 households, especially children and mothers through radical and rapid community led sanitation improvement.</p> <p><b>The main intervention strategies include;</b></p> <ol style="list-style-type: none"> <li>1. Sanitation marketing of hardware (4,000 latrines) -supply side ( BIOFILCOM &amp; OICI Ghana) employing Human Centred Sales (HCS) Approach</li> <li>2. Sanitation and Hygiene BCC -creating demand- (PRONET &amp; OICI Ghana)</li> <li>3. Capacity building of sector players- creating enabling environment. (OICI Ghana, PRONET)</li> </ol> <p>Aiming for the following results: • Sustainable Public – Private partnerships in sanitation promotion.</p> <ul style="list-style-type: none"> <li>• Innovative and responsive financing that enables 'triggered' households to construct/purchase their own facilities.</li> <li>• 4,000 HH latrines constructed and in use.</li> <li>• Active documentation and broad sharing of lessons</li> <li>• Increased acceptance of hygiene behaviour change arising from education on waste separation/ supply tools for waste separation/ waste recycling</li> </ul>	Looking for a company or NGO. An NGO and a private business entity which have experience working in the developing world and Africa (Ghana preferably) in particular. An organization whose mission is in line with ending poverty in the developing world not through handouts, but by helping families access the tools and knowledge they need to improve their living conditions. We will be happy to partner with an NGO that is a member of the Dutch WASH Alliance working in developing countries to share their experiences working in WASH especially in Ghana over the years. We are also ready to share our experience of what has worked in the locations. The Dutch partner NGO in conjunction with the Private sector Dutch partner will lead in the proposal development process with support from OICI Washington, OICI Ghana and PRONET (a local NGO partner). The Dutch partners will provide the necessary expertise to work with OICI to design a winning project that will deliver value for money and contribute to the goals of the Ghana WASH Window facility. The Dutch partners together with OICI Washington will be the contract holders and be responsible for project management and delivery. They will provide the necessary advice in the implementation of the project in Ghana to achieve needed results. The Dutch partners will also be required to contribute 25% of the partners' matching contribution. <b>OICI and PRONET will be responsible for implementation of the project activities and reporting as well as monitoring.</b> Akvo has interesting technologies with regard to the implementation, monitoring and reporting of WASH projects, for example for baseline surveys. OICI believes that Akvo's experience with previous WASH projects and proposals and their technologies for implementation, monitoring and reporting would make them a valuable addition to the partnership. <b>It will be</b>	
Dominion Waste	Dominion Waste is a NGO which aims to improve health and socio-economic status of the youth in Ghana. They do community waste projects. At least 200 households (have) started waste separation.	<p><b>Problem statement:</b> there is a big sanitation and employment challenge in the city of Kpeshie, a highly populated city with much filth. A lot of plastic and organic litter. The overall goal of the project is to improve the health and sanitation situation of people, especially those between the ages of 15-30.</p> <p><b>Solution:</b> This goal can be achieved by conscious environmental awareness campaigns, waste collection and recycling of waste into products that target immediate domestic needs. Education in waste separation in households; supplying separate waste bags to households and; develop a sanitation task force. with suchs a project, they aim to address the challenging sanitation and unemployment situation in an innovative way.</p> <p><b>Action points:</b> implement a waste separation project (pilot in 200 houses); recycling the plastic waste into waterproof blocks (polythene recycling into waterproof blocks) for construction purposes. House-to-house waste separation education; supply separate waste bags to households, formation of sanitation task force.</p>	Looking for a Dutch NGO that will have a 45% share and director of the NGO, they wish to develop a long-lasting partnership. They wish the Dutch partner makes the final decisions in meetings; it will need to take hygiene and sanitation seriously. The project will be executed in cooperation with other NGOs.	
UNIK RESTROOM	Sanitation development and management services company (Ghana rep, Orenco Systems, USA) – Facilitation, design and installation of Decentralised Advantex Liquid Waste treatment and re-use Equipment  UNIK RESTROOMS holds a niche in this enterprise as it is the only company in Ghana that has specialized in liquid waste treatment and re-use management. All others are in solid waste.	<ol style="list-style-type: none"> <li>a. Advantex AX 100 - can treat raw waste water up to 98% cleaner, meeting all the stringent regulatory requirements</li> <li>b. Advantex AX MAX - highly energy efficient, using less than 2 kWh per 1000 treated gallons (3.785 m) and require minimal O&amp;M compared to conventional technologies. Equipment customized to meet household requirements and community services for up to 30,000 persons. Under GWW, project targets education and health facilities for efficient liquid waste management.</li> </ol> <p>This is a demand-driven, environmentally sustainable and culturally relevant project which is leading the revolution to address indiscriminate disposal of liquid waste with its attendant health hazards in Ghana. Unik Restrooms and its partners are regard liquid waste as a resource for producing treated water in flushing toilets, water gardens, run fountains, wash cars, swimming pools among others.</p>	NGO: The Dutch Partner must come with sanitation management and social marketing expertise.  Request is for social marketing and sanitation management partner with some financial investment.	Sekondi/Takoradi and Tamale Metropolitan Assemblies, Ho and Hohoe Municipal Assemblies and Afadzato South District Assembly.

Institute for Infrastructure Development	Think thank that advises policy makers on infrastructure delivery (urban development, transport, water and sanitation, and transport). GOG has designated the Institute to facilitate the design of the Kenyasi City project	Problem: A number of private vehicles and buses hired by Newmont convey more than 300 workers to Sunyani daily due to lack of water and sanitation, and housing facilities at Kenyasi. Objective: to provide water, sewerage and waste management services to new settlements that will be developed at Kenyasi. Another deforestation. Solution/action: plant a number of trees within the catchment area. This afforestation watershed component will rejuvenate surface runoff and help improve flow of water in the Tano River at Kenyasi.	i) Construction or financing firm. The construction or financing firm should be state or privately owned and experienced in building and civil engineering construction works (water and sewerage, waste management, drainage projects). ii) Think Tank, NGO, or Research Organization. Experience in the water, sanitation or afforestation sectors may be necessary but not essential.	
Safe Water Network	Safe Water Network's priority is to address the challenges of meeting the needs of off-grid populations unserved by networked water supply. Poor operational and financial sustainability, lack of reliability, and low water quality have been the main challenges to long-term viability.	The model applies core market principles of affordable pricing; a high-quality, reliable service; financial incentives for operators; operations and maintenance costs covered by revenue; and, where feasible, capital recovery for reinvestment. We balance the market principles with our mission to increase sustainable access to safe water for the poor through affordability and accessibility. The model is anchored by the Safe Water Station –community-level water treatment facilities that produce WHO-quality water sold at affordable rates. Stations are locally owned and operated, and generate sufficient revenue to cover their operating and maintenance costs (in some cases they are recovering capital).  Safe Water Network will be responsible for delivering the following components: Water Supply - deploying appropriate technology to purify existing water sources; - establishing water management committees, operators, vendors, etc. to manage the water systems; - refining our model to reduce costs and improve efficiencies. Sector Engagement - Convening the PPP Working group - Convening the annual Beyond the Pipe forum Knowledge Management and Dissemination - Publishing annual Sector Reviews - Publishing quarterly Field Insights	An active private sector partner to join our consortium for a €3 million program to increase access to safe water and sanitation for 150,000 people.	communities around Accra, Ghana. Communities typically have a population of ~4,500 people who mostly earn less than \$3/day. Communities suffer from little or no access to safe drinking water, with residents collecting water from springs, open wells, or boreholes, mostly contaminated.
Dynamite Communications Limited	Liability company. Dynamite is a full-service advertising and communication company.	1. C4WASH provision of water & sanitation facilities and services in public schools and hospitals within the Tema and Ashiaman municipalities, including WASH facilities, water reuse, rainwater harvesting, biogas production, compost 2. Sanitation for CASH identifying opportunities for improving the sanitation situation within the Tema Metropolitan Assembly, i.e. adopting sustainable systems of collecting and generating revenue from sanitation using rigorous marketing and communications strategies	Dutch company with technology to manage sustainably liquid and solid waste in urban densely populated areas.  Dutch NGO with proven knowledge on sanitation products can also be an interesting partner to discuss detailed business plans with.	Tema Municipal Assembly & Ashiaman Municipal Assembly
Rockshell Engineering Limited	Delivering education and project management. Committed to rural development, community water and sanitation projects.	Problem: poor access to WASH-facilities in 3 peri-urban areas (Ashaiman, Mankessim, Labadi in Accra. Analysis: technical viability of the project should not be in doubt, Sustainability will largely depend on the inputs of the District Assemblies, stakeholders and the beneficiary community towards the project, Financial feasibility largely depends on the ability of the Assembly to generate enough revenue to pay for operation, maintenance and management costs of the facilities. Solution: improved WASH service delivery where human waste management has been identified as a key problem. Method: via multi-stakeholder partnership models for the planning and delivery of outputs (new technologies and innovative management) using a market based approach and community integration approach •Test a range of different innovative management models, approaches and technologies for providing WASH services to the urban poor; •Provide infrastructure in 3 pilot areas under the new management models; •Support an enabling environment (policy implementation, regulation, etc.) necessary for these innovations to be widely scaled-up.	<ul style="list-style-type: none"> <li>• Pro urban-rural development organization with focus on water and sanitation issues</li> <li>• Have a direct financial investment objectives</li> <li>• Should have an objective in the capacity building of individuals</li> <li>• Should be Technically inclined in modern technologies to solving water and sanitation issues</li> <li>• Contribute financially towards the project, offer technical support on project implementation, i.e. training project managers on modern techniques in the construction of the proposed facilities, Directly participate in the neighbourhood education programs on project maintenance for the residents of the three (3) pilot areas, offer consultancy to the multi-stakeholder partnership models designed by the organization.</li> </ul>	operation is to be focused on peri-urban areas in Ghana in three pilot areas (Ashaiman, Mankessim, Labadi in Accra)
MULTI-HYDRO TECHNIQUE LTD	Water/Sanitation/Drilling and mechanization of boreholes/Water treatment/hydrogeological services/Municipal water supply system	Problem: water-borne diseases. Analysis: very general. Solution: safe drinking water in Ga West through underground water systems. Specifically, borehole drilling (equipment) and water treatment and distribution to rural communities.	(a) company experienced in borehole drilling (manufacturing/developing technologies for underground water treatment) (b) company for the provision of equipment (drilling rig, delivery truck and vehicle for drilling crew). (c) NGO/company with knowledge about underground water treatment and willingness to invest in water supply schemes (equipment or technical support).	