

LUSAKA WATER SUPPLY AND SANITATION COMPANY

Results Based Financing Scheme for Faecal Sludge Management

STANDARD PROCESSES AND PROCEDURES

Prepared by ILISO Consulting Zambia (Verification Agent)

for

Peri-Urban Department Faecal Sludge Management Unit, LWSC



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ACRONYMS

Aux Staff LWSC support staff seconded to project from other

departments

ExCo Top Management Committee of LWSC

FSM Faecal Sludge Management

FSM Unit Staff of the dedicated to FSM under LWSC

FSTP Faecal Sludge Treatment Plant

IPCs Interim Payment Certificate

Lusaka Sanitation Programme

LUSAKA Water Supply and Sanitation Company

MLSP Management at LSP

MPU Manager Peri-Urban

OSS Onsite Sanitation

SC Steering Committee

SD Sewerage Department

SOP Standard Operating Procedures

SPF Service Providers` Forum

SPs Service Providers

SPP Standard Procedures and Processes

TC Technical Committee



1. INTRODUCTION

According to the NWASCO, Urban and Peri-urban Water Supply and Sanitation Sector report, 2018, only up to 23.9 percent of Lusaka residents are serviced by sewerage network. Thus, the majority of the households use Onsite Sanitation facilities. The larger proportions of this population are the residents of the peri-urban compounds who more often than not use pit latrines as sanitation facilities. Management of the sanitation services in these locations has been a challenge over time owing to lack of tangible investment, hitherto the Lusaka Sanitation Project (LSP). Thus, in order to improve the sanitation services, LWSC is implementing the LSP to enhance capacity for managing sanitation continuum from conventional sewerage to Onsite Sanitation Systems (OSS).

Most residents in the Peri-urban areas of Lusaka are using Onsite sanitation and engage mostly illegal operators to empty pit latrines when full. These operators often dump sludge in undesignated areas thus exposing the environment to huge risks to public health. Additionally, the residents suffer the risk of poor service delivery and exploitation by these illegal and unregulated service providers. Therefore, there is an urgent need to introduce and implement a comprehensive Faecal Sludge Management (FSM) system to service this cohort of residents and contribute to the overall improvement of sanitation services delivery for the city of Lusaka.

LWSC has henceforth devised a Results-Based Financing Scheme for FSM in which six professional service providers were contracted out. This output-based approach will require the Service Providers to perform and meet agreed targets to be paid an agreed Subsidy, only after verification by the Independent Verification Agent (VA). The VA will monitor and verify performance of contracted service providers with respect to agreed targets. This will be done in liaison with the newly established FSM Unit at LWSC. The subsidy to be provided will be the contracted top-up rate tendered by each service provider aside from the amount to be paid directly by the households to the Service Providers. This arrangement is intended to ensure cost recovery by the service providers as well as cushion the households on the cost of service.

This document therefore aims to provide a systematic Standard Procedures and Processes (SPPs) for execution of the Result Based Financing Scheme for Faecal Sludge Management (FSM). It is broken down in four parts:

Part I: Emptying and CollectionPart II: Transport and Disposal

Part III: Invoicing, Verification and Payment

Part IV: Coordination, Monitoring and Complaint Management

The operations side of FSM is detailed in the Standard Operating Procedures (SOP)¹ manual, which is separate from this document (SPP). The customer journey begins with the felt-need to empty after the customer checks that their toilet is nearly filling up. It is recommended that when the toilet is remaining with about 30cm space before filling up, the customer

¹ The SOP prescribes the Standards to follow for faecal sludge emptying, transportation and disposal, and outlines the Physical, chemical and biological hazards the Emptiers may be exposed to at emptying, transportations and disposal stages. On the other hand, the SPPs prescribes the mechanisms and processes for undertaking a monitoring and verification of the performance-based financing and management of FSM as a business.







needs to call or approach the Service Provider to book for emptying. After booking, the Service Provider undertakes an assessment explained in section 2.3. The illustration in Figure 1.1 below shows the customer journey through the FSM service chain. Each stage of the customer journey is elaborated in the sections that follow.

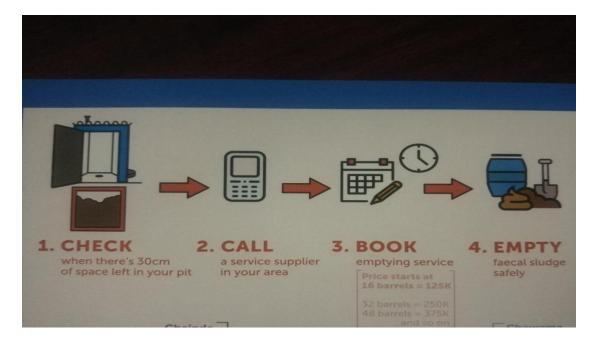


Figure 1. 1 - Customer Journey for FSM (Source: 17 Triggers FSM 'leave-behind' leaflet for LWSC)

2. PART I: EMPTYING AND COLLECTION

This part of the document addresses the first stages in the sanitation value chain in so far as FSM is concerned. It summarises that interface with the households and the Service Providers.

2.1 Demand Solicitation

A standard procedure has been set out for demand creation. This began with the inductions of Lusaka Water and Sanitation Company`s Customer service Assistant (CSAs), being the first point of contact for potential customers, in the entire service chain for Faecal Sludge Management so that they are able to explain and answer inquiries on FSM services. The Service Providers (SPs) are expected to create a foothold in the zones where they are contracted to deliver services. This shall be facilitated through LWSC Zonal Structures by way of large community zonal meetings incorporating the leadership at that level and the general community membership. The purpose of these meetings shall be to interface the SPs and their prospective customers. Thus, after these meetings the SPs are expected to use LWSC zonal data to tailor-make their marketing methods within the zones using various tools and means available to them. They will be required to ensure demand is elicited from the households within the zone. The Service Providers are expected to utilise available IEC materials based on the training offered to them by LWSC to ensure consistency and alignment with the overall LWSC brand. LWSC's OSS Platform which has data on toilets in



the zones will also be used to target potential business by the SPs, by for instance, checking when the last FSM service was provided for a particular customer or toilet.

It is envisaged that each SP shall keep an updated job requisition register and tallies against job cards to determine uptake of the FSM service on a quarterly basis. Given that each zone shall comprise a number of service providers, the quality of services offered shall influence the levels of demand and the competitive nature of the project shall necessitate heightened demand.

2.2 Submission of Job Request by Customer

The Service Providers shall dedicate a staff member to collection all requisitions for emptying services. Customers may engage with the Service Providers by making a phone call to the service Providers based on the contact on the `leave-behind` flyer or physically visit the SP's office to report and register cases of need for pit emptying. In the case where the calls are made, SP has the responsibility of attending to the calls and scheduling assessment where necessary. It is expected that when the system is fully fledged, a functional call centre at LWSC shall be established to receive both requests and complaints. The SP is responsible for collecting primary information about the customer and this information is recorded in the Job Requisition Register (Annex 1). This form is the first official document that the SPs shall use to facilitate scheduling of pit emptying assessments and determine demand levels too. The Customer shall be advised of the service charge per cubic metre and the need to provide water, two shovel loads of building sand, and two blocks for reinstating the slot to be used for scooping sludge.

Once a customer lodges a request for pit emptying the SP shall schedule a physical assessment of the latrine.

2.3 Assessment of Pit Latrine

The assessment is aimed at establishing feasibility of emptying the pit latrine. Based on the number of requisitions registered, the SPs schedule assessments with the respective households. Specific dates and time are communicated to the households on which physical assessment of the pit latrines shall be done. The SP uses the assessment form (Annex 2) to fill out information relating to the toilet. When it has been determined that the toilet cannot be emptied and the customer insists to have it emptied, the customer bears the cost for reconstruction of the toilet in case it collapsed. The household is further provided information on other available options.

If the toilet is assessed as feasible for emptying, the next stage then kicks in - Sludge Emptying.

2.4 Emptying and Collection

A pit latrine that has positively been assessed proceeds to the next stage. The emptying only happens when the customer has paid for the services based on advice from the assessment. It is critical that the seven steps on emptying outlined in section 2.4 on page 8 of the Standard Operating Procedures (SOP) are adhered to. Additionally, the Service



Provider needs to ensure the process prescribed in section 1.4 of the SOP prior to emptying is fulfilled. When the emptying is completed, the SP shall fil out a Job card (Annex 3) in which data that pertaining to the work carried out as well as additional information consisting of pictures of the emptied toilet and volumes of sludge emptied and GPS coordinates are recorded. It is a requirement that a customer provides feedback after emptying and endorses the job card, as this shall constitute primary input into the Customer Satisfaction Index (CSI).

3. PART II: TRANSPORT AND DISPOSAL

Part 2 of this document prescribes the need to ensure that all the Faecal Sludge collected from the pit latrines is safely transported and discharged into designated Faecal Sludge Treatment Plants (FSTP). This Chapter addresses the second half in the sanitation value chain.

3.1 Collation of Job cards

The SP shall gather all job cards for the day prior to transportation of the Faecal Sludge to the treatment plant. This will facilitate appropriate recording of the sludge volumes emptied in the day by Lot. The totalled volumes and other details are recorded in the FSTP Entry Form (Annex 4). The driver of the vehicle carrying faecal sludge always has to understand how to fill in the FSTP Entry form. This form is presented at entry to the Plant Operator.

3.2FSTP Arrival Processes

At the FSTP, the FSM Plant Operator shall reconfirm the volume of the sludge delivered by the SP. The FSTP Operator may either count physically the loaded barrels and check quantity against what is entered in the FSTP Entry Form. In case of Vacuum Tankers (VT), and in the absence of a weighbridge, the FSTP Operator would need to see the actual gauge reading on the truck, and confirm that measurement corresponds to the volume recorded in the FSTP Entry Form. Once the weighbridge is installed, the operator shall ensure the measured volumes correspond to the volumes on the FSTP Entry Form (Annex 4). Only after this verification shall the operator countersign the FSTP Entry Form and transfer the data into an FSTP Operator`s ledger (Annex 5) to be kept at the treatment plant.

A copy of the FSTP Entry Form is retained at the FSTP to compare with the Ledger entries at later stage. Both the Operators ledger and the FSTP Entry Forms from the Plant are submitted to the FSM Unit for verification of the Interim Payment Certificate (IPC). Under the Results-based Financing Scheme no Gate Fees shall be paid on entry to the FSTP. The Gate Fees shall, however, be deducted from the invoices submitted by the SP and later paid to LWSC for operation and maintenance of the FSTP.

4. PART III: INVOICING, VERIFICATION AND PAYMENT

Part III describes processes and procedures to be followed from invoicing by SP to final payment by LWSC.



4.1 Disbursement Cycle

The invoicing shall follow a cycle of 30 days, i.e. from 23rd of the month to the 22nd of the following month. Hence any invoicing for services done during that period shall be submitted to FSM Unit by the 22nd of the month, or earlier if the date falls on a weekend or holiday. Disbursement to the SPs shall be done once per month based on the invoices submitted. As provided for in the contracts, the invoices shall then be paid within 30 days from date of submission.

4.2 Invoicing by Service Provider

At the end of the invoicing cycle (i.e. by the 22nd of the Month), the Service Provider shall prepare an Interim Payment Certificate (IPC) that shall include:

- a) The Monthly Activity Report (Annex 6)
- b) The Invoice, comprising cover letter, Fee Note and summary monthly performance (Annex 7)
- c) Supporting documentation: Copies of FSTP Entry Forms, Job Cards, customer receipts and assessment forms
- d) A CD or electronic form of the picture of the toilets Emptied, and the Fee Note
- e) Cover Letter showing Bank Details

All IPCs must be addressed to the VA or Manager Peri-urban Department (MPUD) as it were. The Service Providers (SPs) shall submit two copies of the IPCs consisting of an original and a copy. A register shall be kept at FSM Unit for all IPCs submitted. The VA and FSM Unit Inspectors shall check for completeness of the submitted IPCs and update the register appropriately. Once the completeness of the IPCs is confirmed, the VA shall retain scanned copies of the IPCs. Hard copies filed in specific Lots/Contract files shall be kept at FSM Unit. Thereafter, the VA and FSM Inspectors shall begin the detailed verification of submitted IPCs.

The flowchart in Figure 4.1 below shows the Invoice movement and timelines.

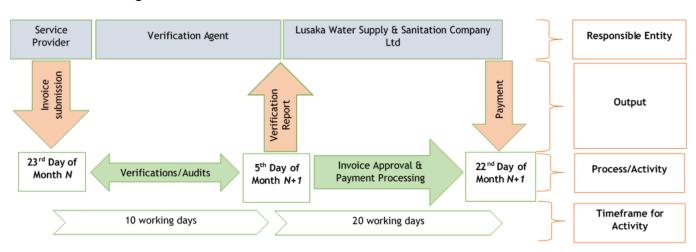


Figure 4. 1 - SPs Invoice Timelines



4.3 The Scorecard and Monitoring System

The scorecard with the KPIs forms the basis for monitoring performance of the service providers. The inspectors will undertake the monitoring, verification and audit of the work done and reported by the service providers. Additionally, the scores on KPIs reported by the service providers and the inspectors will be evaluated using the Calculation Matrix (Annex 9) to determine the actual score.

4.3.1 Audit and Verification, and Reporting

Once the SPs submit the IPCs with all supporting documentation as indicated in section 4.2, the VA and FSM Inspectors shall conduct audits and verifications of the submissions. This process shall be done in three stages, namely desk verification, customer survey and physical verifications as elaborated on in section 4.3 (i), (ii) and (iii), respectively. The audit and verification activities will culminate into a Verification Report incorporating approved IPCs. The approval of the IPCs shall be done by the Chief VA and the MPUD. The Verification Report and approved IPCs shall then be submitted to the LWSC Managing Director with a cover letter from the VA indicating the amount to be paid to each SP.

The VA is required to submit the verification report by the 5th of the month succeeding the reporting period. In order to effectively and smoothly undertake the audits and verifications, two verifications teams have been established. The two verification teams comprise FSM Unit Staff and VA representatives. The twelve (12) contracts/Lots have been divided between the teams to ensure better coordination and desk-officer relations with the SPs.

In preparation of the verification report, the verification teams (VA and the FSM Unit Inspector) shall undertake the following activities. A checklist shall be used to conduct the verifications.

 Desk based Verification of all documents provided by the Service Provider and LWSC. This will be done during the 10-day window for verifications period (see Figure 4.1).

The desk-based verification process will involve checking through batches of documents covering one month which submitted by the service provider. The submitted documents shall include:

- all receipts of household payments,
- the Assessment Forms
- Job Cards
- FSTP Entry forms
- Monthly activity report of Service Provider

The documents above constituting the IPCs shall be shared between the two verification teams for detailed desk verification.



ii. Sample Survey

Arising from the desk verification, 10% of the completed jobs submitted for payment from each team shall be randomly selected by each team for survey of customer satisfaction. The Verification team will either visit or call some selected customers and perform physical interviews with the households using Customer survey sheet (annex 7) to obtain verification of:

- customer information,
- date of service,
- volume emptied, and amount paid,
- examine the site, and capture customer satisfaction levels

For all interviews where the customer toilet has just been emptied, the customer shall be booked for a follow up call to interview and ascertain the satisfaction levels after emptying.

iii. Physical Inspection

Additionally, another 10% of the toilets/Customers shall be selected for physical inspection of the safe collection and transport of faecal sludge by observing of emptying and disposal trips. It is envisaged that some the toilets/households to constitute the 10% will have been surveyed and visited for physical inspection way before they are submitted in the IPC for payment. Both the Customer survey and the physical verification shall be used to in determination of the respective Key Performance Indicator (KPIs) in the scorecards (Annex 8).

Service providers shall submit daily work schedules to the FSM Unit. The Verification team shall open and operate a WhatsApp group with each SP to facilitate submission of the work schedules, this shall necessitate the inspection of the emptying, transporting and disposal process for the 10% customers selected by the Verification teams. The 10% sample shall be randomly selected but would also take into consideration such factors as the volume collected if it is an outlier, time of day emptying was done, or an SP selected based on prior challenges or performance.

Among the aspects to be checked and monitored are:

- The KPIs related to public safety safe collection and transport will be verified through physical inspection and interviews with the public especially the households. The Verification team will be following the operators on some selected service trips to monitor the actual process of emptying, transport and disposal.
- At the site of emptying the verification team will monitor the worksite preparation, safety at the worksite, equipment used, and the transport from the worksite to the FSTP and the disposal at the FSTP. A program would be drawn to ensure every operator is inspected regularly during this phase.



The VA/FSM shall use the checklist attached in Annex 7 for all field verifications. The results of the desk appraisal, customer surveys and physical inspections as shall be reported on and included in the Verification Report. The VA shall notify the SP in writing immediately after verification of all the non-compliances observed in the verification and audit process.

4.3.2 Scorecard Calculation Matrix and Determination of Scores

A number of KPIs in the scorecard have multiple determinants for arriving at a score. Therefore, in order to assess the score for each of the KPIs these determinants need to be verified and appraised individually, and then collectively to arrive at an average (weighted) score using the Calculation Matrix shown in Annex 9. This matrix which is Excel-based forms part of the Verification Report.

4.4 Approval and Invoice Payment

Since the project will continue beyond the LSP some changes in the procedures will be implemented, such as in the payment process of IPCs.

4.4.1 During LSP

After approval of the revised IPC by the Chief VA and the MPU, the VA shall submit the verified revised IPC with all the original receipts, assessment forms, job cards, and FSTP Entry Forms with a cover letter to the Managing Director, LWSC for payment approval. The Managing Director shall delegate the final checking of the revised IPCs to the Project Manager LSP for internal LSP processes. This submission shall also include the verification report to substantiate the contents of the IPCs as revised. Payment of the invoices shall be paid within the stipulated contractual time in the services contract. The approval and disbursement flow are illustrated in Figure 4.2 below.

4.4.2 Post LSP

The Manager Peri-Urban shall submit the revised and verified IPC and the verification report to the Director of Commercial Services, (DCS) for approval. Thus, DCS shall provide a cover note to LWSC MD highlighting the schedule of IPC payments due. Once an IPC has been approved by MD, other LWSC payment processes shall follow.



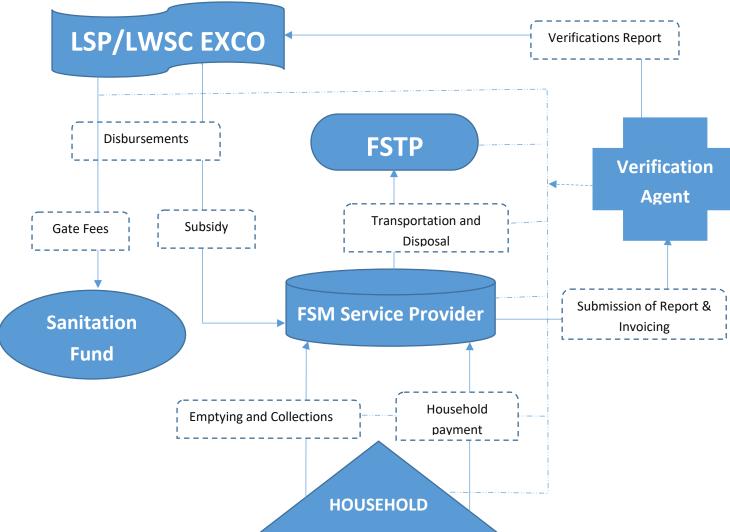


Figure 4. 2 - Approval and disbursement Flow diagram (adapted from Final Report- FSM Transitional Plan, Vol. 2 May 2019)

5. PART IV: COORDINATION, MONITORING AND COMPLAINT MANAGEMENT

In order to facilitate comprehensive and effective coordination for the implementation of the Results Based Financing Scheme (RBFS) for Faecal Sludge Management (FSM), three committee structures are set out for purpose of monitoring progress and taking decisions relating to progress of the project. These shall be the:

- 1. Executive Committee
- 2. Projects Steering Committee
- 3. Technical Committee and
- 4. Service Providers forum

All these will receive oversight of the Management at LWSC. Service Providers forum and the Technical Committees shall meet once every month. Both meetings shall feed into the steering Committees which shall be held every once every month.



5.1 Composition and Roles of the Committees

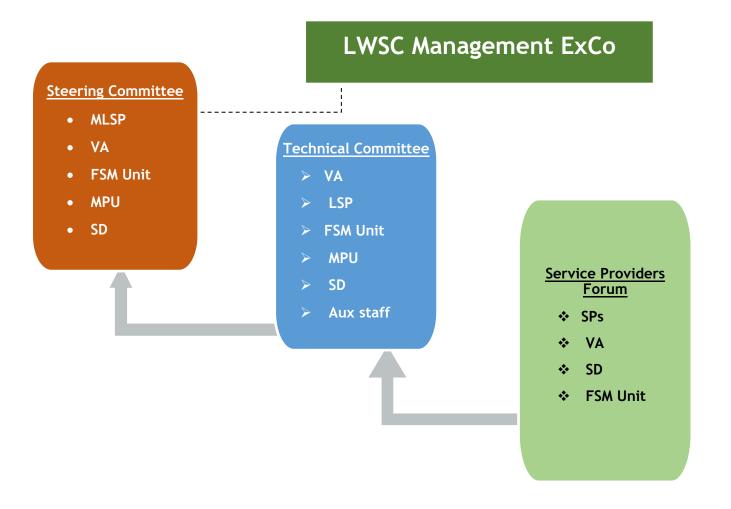
Table 5.1 below shows the composition and the roles of the committees.

Table 5.1 - Composition and Roles of Committees

Committee	Composition	Roles
Executive Committee	Managing DirectorCommercial DirectorMLSP	 Provide strategic and policy oversight to the project Make final decisions on project implementation Approve payment of invoices Liaise with funders of RBFS framework
Project Steering Committee	 MLSP CMLSP Chief VA and Assistant VAs MPU Head Business Development - FSM FSM Inspectors & Assistant Inspector Manager Sewerage Services 	 Provide project implementation oversight Guide project on contractual and technical matters Take decisions regarding project threats and deliverables Interpret contractual provisions and obligations Provide feedback to enquiries from the Technical Committee
Technical Committee	 Chief VA & Assistant VAs MPU Head Business Development - FSM FSM Inspectors & Assistant Inspector Manager Sewerage Services Superintendent - Manchinchi FSTP 	 Liaise regularly with the Service Provider Provide backstop and timely feedback to enquiries by SPs Interpret contractual provisions and obligations to SPs Check and track progress and constraints on each of the 12 contracts Undertake monitoring and verification
Service Providers' Forum	 VA Contracts Manager LSP PU Manager Head BD FSM Inspector Assistant Inspectors All Service Providers 	 Share experiences on challenges and best practices among SPs Provide community/customer feedback Provision of new information to the SPs Provide feedback to the SPs on performance, enquiries and requests Plan and review progress on contracts

Figure 5.1 below illustrates how the interlink among the three Committees shall be for effective coordination framework for the RBFS.

Figure 5. 1- Coordination Structure for FSM





5.2 Roles of Key Stakeholders

The critical stakeholder in this business model is the customers (households), who have a felt need for toilet emptying. Other Stakeholders that shall be involved in this business model include the Service Providers, the Faecal Sludge Management (FSM) Unit at LWSC, the Verification Agent, Project management team at LSP, and the Management ExCo at LWSC. Each of the stakeholder's roles are well defined in the respective service contracts signed by each Provider. The ExCo of LWSC shall retain the role of oversight over the implementation of this business Scheme.

Role of Verification Agent and FSM Unit

(1) Conduct verification and Audit of FSM Service Providers:

- a) Fill and review Service Operator's scorecards
- b) Verify and evaluate attainment of KPIs
- c) Conduct impromptu and planned physical inspections
- (2) Preparation of monthly Verification Reports for Payment

Role of Service Providers

- a) Empty, collect, transport and dispose of pit latrine sludge at designated Treatment facility or an alternative FSTP
- b) Observe Performance specifications in pit latrine emptying
- c) Carry out own marketing in their areas
- d) Collaborate with LWSC to increase awareness of FSM services & availability of FSM Contractor

5.3 Complaint Handling Procedure

The Verification Agents will handle any Complaints that will arise in the process of execution of this project as they play a role as mediators among the Service Providers, LWSC, and the customers. The roles of VAs will be to ensure that all complaints that arise are dealt with in the shortest possible time. However, LWSC is in the process of setting up a Call Centre specifically for FSM where complaints will be received, collated and attended to promptly.

5.4 Disputes Resolution

By and large resolutions of disputes are covered under Clause 8.2.5 of the General Conditions of Contract (GCC) entered between the service providers and LWSC. Nonetheless disputes arising from issues on the scorecard and performance of the service provider will have to be resolved amicably based on facts before considering any external arbitration. Service providers who may be aggrieved by the decision of the VA or the FSM Unit on the scorecard can appeal the decision to the Manager LSP within 14 days. If the service provider is still not satisfied with the decision of the Manager LSP, the former has the right to appeal to the Managing Director of LWSC.



If all these provisions fail to resolve the matter, the dispute shall be referred to a court of competent jurisdiction as provided for in clause 8.2.5 of the GCC.



ANNEXES



ANNEX 1 - Job Requisition Register

	JOB REQUISTION	N REGISTER	
Name of Service Provider		Lot No.	
Service Provider Representative		Contact	

Requisition Number	DATE	CUSTOMER NAME	NRC No.	CELL NO	PLOT	Zone	Ward	Time Recorded	SIGNATURE



ANNEX- 2 Assessment Form

Assessment Form





SECTION TO BE COMPLETED DURING ASSESSMENT

Name of	Service Provider		Lot No.			
Name of	Client	Plot/House Number	Assessment No.			
Residenti	al	Data of Assessment	GPS Coordinates			
Area		Date of Assessment				
NI			Northings			
Name of Assessor		Phone of Client	Eastings			
ASSESSUI		Phone of Cheff	Edstiligs			
1.0	What is the relat	tionship to the property?				
	Landlord	Tenant				
2.0	What is the toile	et located?				
	Residential	Commercial	Industrial			
3.0	 How many Hous	seholds are using toilets?				
	No.of Fema		No. of Males			
	Toilet					
3.0	information					
	How can a Toilet	be accessed?				
	Truck	Push cart				
4.0	What is the toile	et type				
			Unlined			
	Flush	Concrete Slab	Lined pit pit			
5.0	What is the toile	et's condition?				
	Stable	Semi stable	Not Stable Dangerous (Needs a new toilet)			
6.0	How full is the to	oilet ?	<u></u>			
	less than					
	half	Half full	Almost Full Very Full			
	Very Full (U	-				
7.0		oilet last emptied?				
	1 year or		4 years			
	less	2 years ago	3 Years ago ago			
	Never	Doesn't know				



	Is it possible to empty
8.0	<u>it</u>
	Yes No
	In case the Toilet Collapses in the course of emptying , the household agreed that the Service
9.0	Provider shall NOT bare the cost of reconstruction
	Yes No
10.0	If the pit is rectangular
	Width(m) Length (m) Depth(m)
11.0	If the pit circular
	Diameter(m) Depth(m)
12.0	Number of barrels (60L)/m³ to completely empty the pit
13.0	Estimated volume requested to be empited
14.0	The Household agreed to provide building
	Yes No
15.0	The Household agreed to pay K125 per cubic metre.
	Yes No
16.0	The Household agreed to provide water?
	Yes No
17.0	The Household agreed to provide the blocks needed?
	Yes No
	Customer's Signature
	Customer Name



ANNEX 3 - Job Card



Job Card Form

1.0	Name of Service Provider			Lot No.	
2.0	Residential Area	Date when the Job is done	GPS Coord Northings	inates	
3.0	Name of team supervisor	Assessment Number	Eastings		
4.0	Name of Customer	Phone of Customer			
5.0	Plot				1
6.0	Receipt No.	Date Service Paid			
7.0	Number of Users	Volume of sludge t	aken out		m³ No. of Barrels
8.0	Photograph taken	Yes No	I		,
9.0	Name of FSTP where sludge will	be taken			
	Customer Satisfaction Feedback]



10.0	Customer's Signature	
11.0	Customer Name	

NB: to be printed in triplicate colours, duplicate to the household after emptying, original for subsidy invoicing and Third copy to be retained in booklet.



ANNEX 4 - FSTP Entry Form



ENTRY FORM FOR THE FAECAL SLUDGE TREATMENT PLANT (FSTP)

1.	Name of	FSM Service	e Provider: _			
2.	Driver`s I	Full Names:				
3.	Vehicle N	No. Plate:				
4.	Date:					
5.	Time:					
6.	Volume o	discharged i	nto FSTP; (M	3):	No. of Barrels	s:
(Plea	ıse tick if ava	ailable in veh	nicle)		-	
7.	ZEMA Lic	cense	LWSC Licer	nse		
8.	Sludge Co	ollected fror	m <i>(Please indi</i>	cate areas from	where sludge was e	emptied fror
8.	Sludge Co		m (Please indi			of Sludge
		Lot No.		cate areas from		of Sludge
1	Job Card		No. Of		Volume	of Sludge
1 2	Job Card		No. Of		Volume	of Sludge
1 2 3	Job Card		No. Of		Volume	of Sludge
1 2 3 4	Job Card		No. Of		Volume	of Sludge
1 2 3 4 5	Job Card		No. Of		Volume	of Sludge
1 2 3 4	Job Card		No. Of		Volume	of Sludge
1 2 3 4 5 6	Job Card	Lot No.	No. Of Toilets		Volume	of Sludge
1 2 3 4 5 6	Job Card No.	Lot No.	No. Of Toilets		Volume	
1 2 3 4 5 6	Job Card No.	Lot No.	No. Of Toilets		Volume	of Sludge
1 2 3 4 5 6 TO	Job Card No.	Lot No.	No. Of Toilets		Volume	of Sludge
1 2 3 4 5 6 TO	Job Card No.	Lot No.	No. Of Toilets		No. Barrels	of Sludge



ANNEX 5 - FSTP Operator's Ledger





FSTP OPERATOR'S LEDGER

NO.	NAME OF SERVICE PROVIDER	Lot No.		LUME HARGED	DATE	TIME	FSTP Form No.	SIGNATURE OF FSTP OPERATOR
			No. Barrels	M ³				
1.								
2.								
3.								
Etc.								
Total Sludge discharged for the Day						1	I	



ANNEX 6 - SPs Monthly Activity Report

FSM Service Provider - Monthly Report

Identi	fication	Month / Year of report	
Name	of Service Provider		
Contra	act No.		
Lot No).		
Areas			
	Date of	Submission	
Progr	ess Report		
1. Gei	neral Progress;		
	isation and		
	ishment		
-	mentation		
-	de equipment used imber and type of		
	nnel in the reporting		
-	Facilities emptied		
-	arketing activities		
undert	<u> </u>		
2.	Challenges/Problems/ Sat	fety incidences encountered during	g the month;
3. Su	uggestions for FSM Unit/LV	VSC;	
Achie	vement of set Target for S	ludge Emptying	
Vol	ume emptied in month (M	l ³):	Monthly Target (M³):
No. of	f Toilets Emptied:		
Expec	ted Targets for next Mont	hs	
4	Targeted Sludge volume	for emptying	
-	Targeted No. toilets	Tor emptying	
lame		Signature:	
Director			



XXXX Sanitation Services

XXXXXXXXX

XXXXXXX Sanitation Services

ANNEX 7 - IPC, (cover letter, Invoices)

COVER LETTER	LETTER HEAD OF SERVICE PROVIDER
Date:	
The Verification Agent	
Iliso Consulting Limited	
LUSAKA	
Dear Sir,	
Request For Disbursement No. X	
CONTRACT NO.	
LOT No.	
Areas Under Lot	
We hereby submit a request for disbursement on IPC No for the month of	
amounting to ZMW (Amount in Word) value of subsidy a	s per contract lot X
captioned above and the relevant documents attached.	
Please transfer the above requested funds to the following account details;	
Account Name:	
Bank Name:	
Account No.	
Branch:	
Sincerely yours,	





INVOICE: INTERIM PAYMENT CERTIFICATE (IPC)



	SD LUSAKA SANITATION PROGRAM Building healthy families together:	LUSAKA SANITATION PROJECT FEACAL SLUDGE MANAGEMENT CONTI		CONTRACTORS NAME:			EVERTOMORROW/EV ERGOOD	
LOT N	UMBER	3	Date of	TVe rification	CONTRACT No.:		ZM-I	LWSC-118110-NC-RFB
IPC N	No.:	1	02 Fel	bruary, 2020	Date of Submission Latest Date for Payr		PC·	02 February 2020 03 March 2020
		PERORMANCE B.			Province:			LUSAKA
PROJEC	T NAME:	IMPROVED FEAC SERVICES	L SLUDGE	EMANAGEMENT	District:			LUSAKA
		WORLD BANK, A	FRICA DE	VELOPMENT	Agreed Contract Su	ım, incl. V	AT:	540,000.00
FUNDING	G AGENT:	BANK, GERMAN I AND EUROPEAN I			Contingency amoun	t, incl VA	Γ:	
					Advance paid, incl. V		0	108,000.00
VERIFIC	ATION AGENT	ILISO Consulting	(Z) Limited	1	Contract Start Date			00 January 1900
SUPERV		LUSAKA SANITA		JECT FEACAL	Completion Date:			28 June 1902
CONSUL		SLUDGEMANAGE			Revised Contract St	***************************************		540,000.00
	this Contract:		F	Exempted 0%	Revised Contingence Revised Completion		T:	nil 21 August 1902
/o Keten	aron, uns Contract:			U70	Revised Completion	Date:	1	21 August 1902
SUMMA	RY OF PREVIOUS	NTERIM CERTIFICAT	TES					
No.	Date	Amount (ZMW)	No.	Date	Amount (ZMW)	No.	Date	Amount (ZMW)
1			5		76,250.00	9		-
3		23,650.00 10,575.00	6 7		-	10 11		-
4		-	8		-	12		-
Amount p	paid (excl. this IPC):			110,475.00	Balance on Contrac	t Sum:		429,525.00
T4	DECEMBANC		r.	4-14- 3-4-	W-()	DC!-		This Could be
Item 1.0	DESCRIPTION WORKS		To	tal to date	Total previous I	rC's		This Certificate
1.0	Value certified:			110,475.00		76,250.00		34,225.00
	VAT (16%)			-	***************************************	-		
	Total certified in	cl. VAT:		110,475.00	2	76,250.00		34,225.00
	completed:							
2.0	Amount withheld			_			├	
	VAT (16%)	•		_				_
	Total Disposal F	ee incL. VAT:		-				-
3.0	ADVANCE PAY	MENT	•	-		•		-
	VAT (16%)		I	Exempted	-			
	Amount recovere	ertified incL. VAT:		4,500.00			├	
	VAT (16%)	u.						
	Total recovered i	ncL. VAT:]	
	Balance due to C	ient:		4,500.00				
4.0	PENALTIES							
5.1	Liquidated Damas Interest on Late P		***************************************					
2.2	interest on Late P	u, 118/1110.			1		1	
	Consultant Bank	Details:	Item	PAYMENT SUM	MARY THIS CERTIFICA	TE		Amount (ZMW)
Bank:			1.0	Certified Amount,				34,225.00
Branch:			2.0	LWSC FSTP Disp				4 500 00
Acc. No.:			3.0 4.0	Less advance reco				4,500.00
Swift Cod			5.0	Add interest on d				-
Sort Cod	·····			•		***************************************		
Net A	mount Payab	le this Certifica	te, VA	Γ Exempted (2	ZMW)			29,725.00
				CONTRACTOR	DICATION			
repared	by:				FICATION			
repared	<u>υγ:</u>			K	eceiving by:			
	***************************************			Date:	Verification Agent - Ili	ica Cancult	i.a.a.	Date:
	Service Prvoider; I	lame and Sianature			verilication Adem - m	SO CONSUII	ma	Date:

540,000.00

305



Aggregated Summaries

Totals

AND THE REPORT OF THE PARTY OF													
COMPANY	Y Little Building Healt	SANITATION PROGRAM											
UDGE \	VOLUME PER YEAR	2523	M3										
UDGE \	VOLUME PER MONTH	105	M3										
JBSIDY		250	ZMW	1									
SPOSAL	L FEE	36	ZMW										
2020													
	1			_									
				Ontain	TOTAL SLUD	GE COLLECTED	PER MONTH		AMOUNT (ZMW)		Ш Ш	eg (c	<u> </u>
No.	Item/Deliverable	MONTH	YEAR	Original Contract Amount (ZMW)	Previous	This Invoice	cumulative	Previous	This Invoice	Total	DISPOSAL FEE (ZMW)	Balance Sludge Volume (m3/mon) remaining	Balance Amount Remaining (ZMW)
No.				Contract		This Invoice	cumulative Total	Previous	This Invoice		DISPOSAL (ZMW)	Balance Volu (m3/i rema	
No.	IPC 1	JAN	2020	Contract	Previous -	This Invoice	cumulative Total	-	This Invoice 23,650.00	23,650.00	3,405.60	Balance Volu (m3/1	512,944.40
No.	IPC 1	JAN FEB		Contract	Previous - 95	This Invoice	cumulative Total 95 137	23,650.00	This Invoice	23,650.00 34,225.00	DISPOSAL (ZMW)	2,428.40 2,386.10	512,944.40 504,252.20
No.	IPC 1 IPC 2 IPC 3	JAN FEB MARCH	2020 2020 2020	Contract	Previous -	This Invoice 95 42	cumulative Total 95 137 137	-	23,650.00 10,575.00	23,650.00 34,225.00 34,225.00	3,405.60 1,522.80	2,428.40 2,386.10 2,386.10	512,944.40 504,252.20 505,775.00
No.	IPC 1 IPC 2 IPC 3 IPC 4	JAN FEB MARCH APRIL	2020 2020	Contract	Previous 95 42	This Invoice	95 137 137 442	23,650.00 10,575.00	This Invoice 23,650.00	23,650.00 34,225.00 34,225.00 110,475.00	3,405.60 1,522.80	2,428.40 2,386.10 2,386.10 2,081.10	512,944.40 504,252.20 505,775.00 418,545.00
No.	IPC 1 IPC 2 IPC 3 IPC 4 IPC 5	JAN FEB MARCH APRIL MAY	2020 2020 2020	Contract	Previous 95 42	This Invoice 95 42	95 137 137 442 442	- 23,650.00 10,575.00	23,650.00 10,575.00	23,650.00 34,225.00 34,225.00 110,475.00 110,475.00	3,405.60 1,522.80	2,428.40 2,386.10 2,386.10 2,081.10 2,081.10	512,944.40 504,252.20 505,775.00 418,545.00 429,525.00
No.	IPC 1 IPC 2 IPC 3 IPC 4 IPC 5 IPC 6	JAN FEB MARCH APRIL MAY JUNE	2020 2020 2020 2020 2020	Contract Amount (ZMW)	Previous 95 42	This Invoice 95 42 - 305	95 137 137 442	23,650.00 10,575.00	23,650.00 10,575.00	23,650.00 34,225.00 34,225.00 110,475.00 110,475.00 110,475.00	3,405.60 1,522.80 - 10,980.00	2,428.40 2,386.10 2,386.10 2,081.10	512,944.40 504,252.20 505,775.00 418,545.00 429,525.00 429,525.00
No.	IPC 1 IPC 2 IPC 3 IPC 4 IPC 5	JAN FEB MARCH APRIL MAY JUNE JULY	2020 2020 2020 2020 2020 2020	Contract	Previous	95 42 - 305	95 137 137 442 442	23,650.00 10,575.00 - 76,250.00	23,650.00 10,575.00 - 76,250.00	23,650.00 34,225.00 34,225.00 110,475.00 110,475.00	3,405.60 1,522.80 - 10,980.00	2,428.40 2,386.10 2,386.10 2,081.10 2,081.10	512,944.40 504,252.20 505,775.00 418,545.00 429,525.00
No.	IPC 1 IPC 2 IPC 3 IPC 4 IPC 5 IPC 6	JAN FEB MARCH APRIL MAY JUNE JULY AUG	2020 2020 2020 2020 2020 2020 2020	Contract Amount (ZMW)	Previous 95 42 305	95 42 - 305 -	95 137 137 442 442 442	23,650.00 10,575.00 - 76,250.00	This Invoice 23,650.00 10,575.00 - 76,250.00	23,650.00 34,225.00 34,225.00 110,475.00 110,475.00 110,475.00	3,405.60 1,522.80 - 10,980.00	2,428.40 2,386.10 2,081.10 2,081.10 2,081.10	512,944.40 504,252.20 505,775.00 418,545.00 429,525.00 429,525.00
No.	IPC 1 IPC 2 IPC 3 IPC 4 IPC 5 IPC 6 IPC 7	JAN FEB MARCH APRIL MAY JUNE JULY	2020 2020 2020 2020 2020 2020 2020 202	Contract Amount (ZMW)	Previous	95 42 - 305 -	95 137 137 442 442 442 442	23,650.00 10,575.00 - 76,250.00	This Invoice 23,650.00 10,575.00 - 76,250.00	23,650.00 34,225.00 34,225.00 110,475.00 110,475.00 110,475.00 110,475.00	3,405.60 1,522.80 - 10,980.00	2,428.40 2,386.10 2,386.10 2,081.10 2,081.10 2,081.10 2,081.10	512,944.40 504,252.20 505,775.00 418,545.00 429,525.00 429,525.00 429,525.00
	IPC 1 IPC 2 IPC 3 IPC 4 IPC 5 IPC 6 IPC 7 IPC 8	JAN FEB MARCH APRIL MAY JUNE JULY AUG	2020 2020 2020 2020 2020 2020 2020 202	Contract Amount (ZMW)	Previous	95 42	95 137 137 442 442 442 442 442	23,650.00 10,575.00 - 76,250.00 - - -	This Invoice 23,650.00 10,575.00	23,650.00 34,225.00 34,225.00 110,475.00 110,475.00 110,475.00 110,475.00 110,475.00	3,405.60 1,522.80 - 10,980.00 - - -	2,428.40 2,386.10 2,386.10 2,081.10 2,081.10 2,081.10 2,081.10 2,081.10 2,081.10	512,944.40 504,252.20 505,775.00 418,545.00 429,525.00 429,525.00 429,525.00 429,525.00
No.	IPC 1 IPC 2 IPC 3 IPC 4 IPC 5 IPC 6 IPC 7 IPC 8 IPC 9	JAN FEB MARCH APRIL MAY JUNE JULY AUG SEPT	2020 2020 2020 2020 2020 2020 2020 202	Contract Amount (ZMW)	Previous	95 42 - 305	95 137 137 442 442 442 442 442 442 442	- 23,650.00 10,575.00 - 76,250.00 - - -	This Invoice 23,650.00 10,575.00 - 76,250.00	23,650.00 34,225.00 34,225.00 110,475.00 110,475.00 110,475.00 110,475.00 110,475.00 110,475.00	3,405.60 1,522.80 	2,428.40 2,386.10 2,386.10 2,081.10 2,081.10 2,081.10 2,081.10 2,081.10 2,081.10 2,081.10	512,944.40 504,252.20 505,775.00 418,545.00 429,525.00 429,525.00 429,525.00 429,525.00 429,525.00

76,250

110,475

512,944.40

2,081



Monthly Performance Summary





D-4-:! f 1	Performance	· - + 1.		\ A + I
LIDTALIC AT L	uortarmanco	in the ii	nvaren i	Wantn'
Detuiis of f	eriorinance	<i>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</i>	IVUICEU I	VIOIILII.

Details of P	erformance in the l	nvoiced N	lonth;				
No.	DATE (DD/MM/YY)	JOB CARD	NUMBERS	VACUUM TANKER (M3)	BARRELS (No)	Number of Households Serviced	Volume of Sludge Safely Discharged at Designated FSTP (M3) / Barrels) daily
1	17/12/2019	1.0	9.00	25.00	202.00	15	37
2	02/01/2020						-
3	03/01/2020	10.00	15.00	45.00	208.00		57
4	04/01/2020						-
5	05/01/2020						-
6	06/01/2020						-
7	07/01/2020						-
8	08/01/2020						-
9	09/01/2020						-
10	10/01/2020						-
11	11/01/2020						-
12	12/01/2020						-
13	13/01/2020						-
14	14/01/2020						-
15	15/01/2020						-
16	16/01/2020						-
17	17/01/2020						-
18	18/01/2020						-
19	19/01/2020						-
20	20/01/2020						-
21	21/01/2020						-
22	22/01/2020						-
23	23/01/2020						-
24	24/01/2020						-
25	25/01/2020						-
26	26/01/2020						-
27	27/01/2020						-
28	28/01/2020						-
29	29/01/2020						-
30	30/01/2020						-
	TOTAL volume of Slu	ıdge safely o	discharged	in the Month		15.00	95

NB:: Please attach Copies of Job Cards and Signed FSTP Entry Forms and list of Current employees.



Annex 8 - Verification Checklist







Results Based Financing Scheme (RBFS) AKA TATION Faecal Sludge Management

1. <u>Verification Check List – Customer Survey</u>

			Verificati	on	
			No.		
			Job Card	No.	
			Assessme	ent	
			No.		
Service		SP supervis	or		
Providers					
Zone/Lot:		Customer Nar	ne		
Plot No.		Contact No)		
Area		Date of			
		Verification	า		
1.2. How much1.3. Was recei	omer present during enter the was Paid? pt issued? on the Receipt?	 		'es	No
	f Sludge Emptied.	No. of Ba	arrels		M3
Customer Satisfaction	on				



•	Was the service fast from time you paid?	Yes	No
•	Did they leave the toilet clean?	Yes	No
•	Did they disinfect the toilet & surroundings?	Yes	No
•	Are you happy and satisfied with the work done? If not, why?	Yes	No
Custo	mer Comments		
Verificat	ion Agent/Inspector:		
Date:			



2. <u>Verification Check List – Physical Verification</u>

			Verificati	on	
			No.	0	
			Job Card	No.	
			Assessme	ent	
			No.		
Service		SP supervi	sor		
Providers					
Zone/Lot:		Customer Na	me		
Plot No.		Contact No	0		
Area		Date of			
	,	Verificatio	n		

2.1. Site Staff Record

Name of Team Members	Name of Team Members

2.2. Safety Incidents

	TEAM 1		TEAM 2		TEAM 3	
	Yes	No	Yes	No	Yes	No
Fatalities						
Serious Injuries						
Minor Injuries						



2.3. Work Site Preparation

2.3. Work Site Freparation			
	Compliant		
	Yes	No	
Water Available			
Availability of Plastic Sheeting			
Clearing of all household items from worksite			
Replacement Bricks			
Tools Available			
Disinfection Materials			

2.4. Safe Work Site

	Compliant		
	Yes	No	
Only authorised person near work site			
Contaminated Items Safely Stored			
Cordoned Off with Danger Tape			
Safe Transportation Methods			

2.5. Personal Protective Equipment

Team Members	GLOVES		SAFETY BOOTS		PROTECTIVE CLOTHING		MASK	
	Yes	No	Yes	No	Yes	No	Yes	No



2.6. Transportation			
Vehicle Registration	Vacuum Tanker	Open Truc	k
-		-	

	Compliant		
	Yes	No	
All equipment packed away safely			
Nosal or Barrels closed safely			
No Spillages along the route			

erification Agent/Inspector:	



3. Verification Check List – Transportation

	V	erification
	N	0.
	Jo	ob Card No.
Service	SP supervisor	r
Providers		
Zone/Lot:		
	Contact No	
Area	Date of	
	Verification	

3.1. Vehicle Fleet Compliance

Vehicle Registration	Open Truck	Vacuum Tanker

3.2. Transportation (In Transit)

	Compliant
	Yes No
All equipment packed away safely	
Nosal or Barrels closed safely	
No Spillages along the route	



Verification Agent/Inspector:	
Date	



4. Verification at Disposal (FSTP)

				No.	ficatio P No.	on		
Service Providers			SP supervi	sor				
Zone/Lot:								
			Contact No	0				
Name of FSTP			Date of Verificatio	n				
4.1. Vehicle Fleet C	ompliance							
Vehicle Registration		Open T	ruck		Vacuu	m Tanker		
4.2. Are there any le	eakages and spillages at	the recei	ving bay?			Yes	No)
4.3. Registered Vehi	icle discharging sludge a	t FSTP				Yes	No	$\Big)$
4.4. Are the FSTP fo	rms Correctly filled in?					Yes	No	$\Big]$
4.5. Is the FSTP Ope sludge brought i	rator collecting and reco	ording ap	propriately the	volum	es of			`
Siduge brought	nto the Lair!					Yes	No	



			М	TU	W	TH	F
4.6.	Volume of Sludge Disposed?	Barrels					
		Tanker Volumes					
VA/Ir	nspector COMMENTS						
						Date	
VA/Ins	spector Name:						
Signat	ure:						



ANNEX 9 – Scorecard and Score Computations

VERIFIED DISBURSEMENT SUBSIDY NOTE



Building heality for	LUSAKA SANITATION PROGRAM villes together.		KA SANITATION L SLUDGE MAN		CONTRACTORS NAME:			EVER	FOMORROW/EVERG OOD	
LOT NUMBER	3		Date of Verifica	tion	CONTR	ACT No.:		ZM-LWSC-118110-NC-RF		
IPC No.:	1		12 December, 2	019		Submission of te for Paymen		12 December 2019 11 January 2020		
			BASED CONTRA		Province:				LUSAKA	
PROJECT NAME:	SERVIO		CL SLUDGE MA	NAGEMENT	District:				LUSAKA	
			AFRICA DEVELO N DEVELOPMEN		Agreed Co	ontract Sum, ir	ncl. VAT:		540,000.00	
FUNDING AGENT:			ESTMENT BANI		Contingen	cy amount, inc	d VAT:		340,000.00	
VERIFICATION					Advance p	paid, incl. VAT	······································		108,000.00	
AGENT	ILISO	Consultin	g (Z) Limited		Contract S	Start Date:			08 July 2019	
SUPERVISING CONSULTANT:			TATION PROJEC	CT FEACAL	Completio	n Date:			03 January 2022	
					Revised C	Contract Sum, i	ncl. VAT:		540,000.00	
% VAT, this Contract:			Exempted		Revised C	Contingency, in	cl. VAT:		nil	
% Retention, this Con	tract:		0%		Revised C	Completion Da	te:		26 February 2022	
SUMMARIES										
nnual Target Volume of to be Discharged (i	-		Target Volume of the Discharged (m3)	Volume of S Discharge designated FS	d aat		ubsidy per Cubic r discharged	FS	TP DISPOSAL FEE	
1260	1		105	95	1		250		36	
DISBURSEME	NT									
ROSS Subsidy in th	ne month	1					23,650.0	00	ZMW	
æss;										
STP Gate Fees (A :	z ZMW?	36.)					3.4	05 60	ZMW	
10% of Invoiced am	ount as	payment f	for tools and Eq	uipment			4,5	00.00	ZMW	
Deduction value bas	ed on P	'erforman	ce score in the		Tota	al Score	77.4	15	%	
month (Total FS	_	•	•		Cut C	Off Score	70.0	00	%	
(m3) X Percentage <70%), if Score i	-					action in				
ignor	e this de	eduction			_	nt based on ormance	-		ZMW	
otal deductions						· 	7,9	05.60	ZMW	
let Subsidy Value d	ue for I	Disbursei	ment			I.	15,7	44.40	ZMW	
repared by Ver	ificatio	n Agen	nt:		Conse	nted by M	anager Peri-l	Urban	ı	
					Name:: .					
ame: :										
ame::										
lame::				ACENT	Designatio		PU-FSM U			



SCORE CARD

#	КРІ	Verifiable indicator	Unit	Target 2019- 2020	Target 2021	Score in period	Degree of compliance in period	Weight	Weighted score	Reporter
1.	Occupationa'	I health & safety indicators								
1.1	Valid licenses	Percentage of emptying and transport fleet trips with a ZEMA Waste Transport Licence and a permit from LWSC to allow dumping at the FSTPs	%	90%	100%	83%	93%	10	9.3	Operator
1.2	Employee health - OH&S training	Percentage of service providers staff successfully having completed Occupational Health & Safety refresher training and medical tests	%	75%	80%	100%	133%	10	13.3	Operator
1.3	Safety incidents	Safety incidents reported to LWSC: Fatalities, reported incidents, 1-3-day injury accidents, first aid injuries, road traffic incidents, dangerous occurrences and near misses	Pass/fail	No fatalities	No fatalities, no 1-3 day injury	Pass	100%	10	10.0	LWSC/Verification Agent
2	Customer ser	rvice management indicators	1					т		
2.1	Households served	Number of households served in period	No. of households served per month	26	35	9	34%	10	3.4	Operator
2.2	Volume emptied	Volume of faecal sludge emptied in period	m3 collected per month	79	105	95	120%	10	12.0	Operator



2.3	Customer satisfaction	Number of households who report complaints to LWSC regarding response time to call for service, experienced quality of service delivery, courtesy of operator staff. ^[1]	% of households served who complain	max. 15%	max. 10%	56%	52%	10	5.2	LWSC/Verification Agent
2.4	OSS customers in database	Percentage of OSS customers in period for which information has been provided for toilet database in accordance with simple template provided by LWSC	% of households served with data provided	80%	90%	100%	125%	5	6.3	Operator
3	Public safety	during collection and transport in	dicators							
3.1	Volume delivered at designated facility	Volume of faecal sludge delivered at designated FSTP	m3 disposed per month	79	105	125	159%	5	7.9	Operator + cross checked by Verification agent with LWSC FSTP entrance records
3.2	Share emptied at FSTP	Percentage of volume emptied at designated FSTP relative to the volume emptied at the customer	Pass / fail	At least 95%	At least 95%	Pass	100%	10	10.0	Operator
3.3	Safe collection and transport	Five sub-indicators based on visua	Il inspection b	y Verificatior	n Agent unde	r spot check of a	a small sample			
3.3.1	Worksite preparation	Work site is cleared of all household items and plastic sheeting placed on the ground in the workspace on key risk areas	Pass / fail	No significant violations observed	No significant violations observed	Fail	0%	4	-	Verification Agent



3.3.2	Safe worksite	Only authorised personnel in the workspace (within 5 m of emptying operations) and contaminated objects kept in worksite unless being transported to the vehicle	Pass / fail	No significant violations observed	No significant violations observed	Fail	0%	4	-	Verification Agent
3.3.3	Equipment	Personnel are wearing personal protective equipment: protective gloves, protective clothing, safety boots, mask (if working directly with the emptying), face shield (in case of using high pressure washers)	Pass / fail	No significant violations observed	No significant violations observed	Fail	0%	4	-	Verification Agent
3.3.4	Transport	Collected FS is transported in a safe manner: methods of transporting faecal sludge incorporate reasonable measures for preventing spillage in route to disposal sites (sealed lid on barrel/closed tank lid)	Pass / fail	No significant violations observed	No significant violations observed	Fail	0%	4	-	Verification Agent
3.3.5	·	Collected FS is disposed only at designated FSTP (no informal dumping)	Pass / fail	No significant violations observed	No significant violations observed	Fail	0%	4	-	Verification Agent

[1] After first year of operation intended to be replaced by new Customer Satisfaction Index (CSI)

Check sum: 100 **Total Score:**

77.4



Calculation of payment:

Total FS eligible for subsidy in month (m3)	95
Contractual unit payment (ZWM/m3)	250
Deduction for disposal at FSTP (ZWM/m3)	36
Payment prior to performance assessment (ZWM)	20,244
Ok: Score is above cut-off for full payment	
Reduction in payment based on performance (ZWM)	-
Payment based on performance (ZWM)	20,244



Score Computation Matrix

Performance-Based Contracting for Improved Faecal Sludge Management Services in Lusaka Performance scorecard for Operators

1. Occupational Health and Safety Indicators

YES	1
NO	0

Licenses and Registration Validity

	PACRA	ZEMA	LWSC	ZRA	Compliant	
Company						
Registration	1	1	1	1	1	
					* ZEMA/LW:	SC
Vehicles (add						
Registration						
and Number	ROAD TAX	FITNESS	INSURANCE			Z
Vehicle 1	1	0	1	0.666666667		
Vehicle 2	1	0	1	0.666666667		
Vehicle 3	1	0	1	0.666666667		

* ZEMA/LWSC Checked upon entry to FSTP

ZEMA/LWSC reg = 80% weighting

^{*} Company reg checked upon beginning of each year Company reg = 20% weighting



General

Compliance

0.83

Significant Violation

Health and

Safety Training

	Medical Report	External H&S Training/Baseline Examination	Internal H&S Training/monitoring	Compliant
Employee 1	1	1	1	1.00
Employee 2	1	1	1	1.00
Employee 3	1	1	1	1.00
Employee 4	1	1	1	1.00
Employee 5	1	1	1	1.00

* Internal H&S Training to be checked for compliance every 6 months

*External H&S to be checked at the beginning of the project

General

Compliance

1.00

No significant violation

<u>Safety</u>

Incidents

Vehicles (add				
registration				
_	TEARA 4	TEARAS	TEARAS	C!!
number)	TEAM 1	TEAM 2	TEAM 3	Compliant
Fatalities	1	1	1	0.5
Serious Injuries	1	1	1	0.4
Minor Injuries	1	1	1	0.2

Fatalities = 50%
Serious Injury = 35%
Minor Injury = 15%

General

Compliance

0.33

Select from Draw down

menu

Pass

48



2. Customer Service Management Indicators

Number of
Households
Serviced

9	No

Volume of Faecal Sludge Emptied

410	No
25	m3
70	m3
95	m3

No of Barrels Volume from Barrels Volume from Tankers Total Volume Emptied

	Households	Customer	
Incidents	Emptied	Complaints	Compliant
	9	5	0.56

General Compliance

0.56

Significant violation

FSM to fill in or to be eliminated from the scorecard

Number of Households Serviced	53
Assessment Sheets Received	53
Assessment Sheets Approved and	
Given to GIS Dept	53



General
Compliance 1.00

No Significant violation

3. Public Safety During Collection and Transport Indicators

Amount of Sludge Recorded by		
FSM Operator	125	m3

Share Emptied

at FSTP

Amount of Sludge Recorded by		
FSM Operator	125	m3
Amount of Sludge Collected by		
Service Provider	95	m3

General Compliance

1.32

No significant violation Select from Draw down menu

Safe Collection and Transportation Work Site Preparation

	Compliant
Water Available	1

YES	1	
PARTIALLY	0.5	



Availability of Plastic Sheeting	1
Clearing of all household items	
from worksite	1
Replacement Bricks	1
Tools Available	1
Disinfection Materials	1

NO 0

* partially compliant is therefore when we have some of the product but not enough to execute the project e.g. only 20L of water when what is need is 60L.

General	
Compliance	

1.00

No significant violation Select from Draw down menu

Safe Work Site

	Compliant
Only authorised person near	
work site	1
Contaminated Items Safely	
Stored	1
Safe Transportation Methods	1

General Compliance

1.00

No significant violation Select from Draw down menu

Equipment



Team Members	GLOVES	SAFETY BOOTS	PROTECTIVE CLOTHING	MASK	Compliant
1	1	1	1	1	1
2	1	1	1	1	1
3	1	1	1	1	1
4	1	1	1	1	1
5	1	1	1	1	1

* if any of the following is voilated, then service provider is rated zero

General Compliance 1

No Significant violation Select from Draw down menu

Transportation

	Compliant
All equipment packed away	
safely	1
Nosal and Barrels closed safely	1
No Spillages along the route	1

YES	1
NO	0

* if any of the following is voilated, then service provider is rated zero

General Compliance 1.00

No significant violation Select from Draw down menu

Disposal at
Designated
FSTP Adheres Compliant



1	1		
General Compliance		1	No significant violation
			Select from Draw down menu