

16832 Stoneridge Park
Harare
Zimbabwe



2 July 2021

Procurement Department
ZNFPC
Harare

Dear Sir/Madam

RE: APPLICATION FOR CONSULTANCY: TOLL FREE SERVICE TRACKING TOOL DEVELOPMENT
I would like to apply for the above consultancy on behalf of ANIXSYS PVT LTD. The firm is a registered Zimbabwean company and which is also registered with the Procurement Regulatory Authority of Zimbabwe. The firm is into applications development, database management systems, data analytics, system integrations.

The lead consultant, Lazarus holds a BSc Honours degree in Economics (2006) and an MSc Economics degree (2008). His PhD Economics thesis was recently passed and awaiting graduation. Lazarus also holds a certificate in digital marketing. The software development expert, Benson Misi holds an MSc in data analytics and BSc in information systems. The systems expert, Sarathiel Chaipa holds an MSc in Computing and currently pursuing PhD in Information Systems. The team has collaborated for over 8 years including assignments in health and social services. The team has a good track record of working with tight deadlines.

Lazarus has over 10 years' experience as a value for money/efficiency analysis expert in the health sector. He has analysed a variety of data sets producing deliverables timeously. Lazarus has researched and consulted in family planning since 2007. He has supported the ZNFPC, UNFPA and Ministry of Health in prior assignments. Lazarus is proficient in a number of statistical software including R and Stata which also serve as programming languages. His PhD thesis was focused on sexual and reproductive healthcare which includes family planning. He has over 12 years' experience researching and consulting in public health. His work included developing surveys and research tools to meet assignment objectives, testing and calibrating them.

Benson is the team's programming expert familiar with more robust programming languages. He has over 9 years' experience in developing applications in public sector social services. Benson has designed tracking tools for Bindura University of Science Education and Procurement Regulatory Authority (PRAZ).

Sarathiel has managed teams designing these tools for Bindura University, PRAZ, and Higher Life Foundation. He has over 6 years' experience supporting health information systems serving clients such as the World Health Organization and other UN agencies. See CVs for more details. The daily rate for the team is US\$155 for 5 days payable in United States dollars. Please find attached supporting documents, technical proposal and financial proposal.

Thank you

Lazarus Muchabaiwa

Technical Proposal

TOLL FREE SERVICE TRACKING TOOL DEVELOPMENT

Applicant:	ANIXSYS PVT LTD
Team Composition	Lazarus Muchabaiwa, Value for Money expert/Lead Benson Misi, Programmer- software developer Sarathiel Chaipa- system design
Address:	16832 Stoneridge Park Harare, Zimbabwe
Lead Phone / Fax:	+263 773 357 533
Lead Email:	/muchabaiwa@gmail.com

SECTION 1: PROFILE OF CONSULTING TEAM

1.1 How Consultant Meets the Required Qualification

No	Requirement	How Consultant matches requirement
1	Masters Degree in the following relevant areas; Computer Programming, Public Health, GIS, Statistics or Social Science with demonstrable experience in Data base development	<p>Lazarus holds a BSc Honours degree in Economics (2006) and an MSc Economics degree (2008). His PhD Economics thesis was recently passed and awaiting graduation. Lazarus also holds a certificate in digital marketing.</p> <p>Sarathiel Chaipa holds an MSc in Computing and currently pursuing PhD in Information Systems.</p> <p>Ben Misi holds an MSc in data analytics and BSc in information systems.</p>
2	A registered organisation with proven experience in research and data analysis of health programmes	<p>The team holds over 12 years' experience in health programs. Lazarus has over 10 years' experience as a value for money/efficiency analysis expert in the health sector. He has analysed a variety of data sets producing deliverables timeously.</p> <p>Sarathiel has over 6 years' experience supporting health information systems serving clients such as the World Health Organization.</p> <p>Benson has over 10 years' experience in developing applications in public sector social services.</p>

3	Strong appreciation of family planning programming	Lazarus has researched and consulted in family planning since 2007. He has supported the ZNFPC, UNFPA and Ministry of health in prior assignments. His PhD thesis was focused on sexual and reproductive healthcare which includes family planning.
4	At least 5 years of professional experience in public health research and tools development	Lazarus has over 12 years' experience researching and consulting in public health. His work included developing surveys and research tools to meet assignment objectives, testing and calibrating them. He has collaborated with Sarathiel and Ben in previous assignments.
5	Experience and knowledge of other statistical software programs	Lazarus is proficient in a number of statistical software including R and Stata which also serve as programming languages. Benson is the team's programming expert familiar with more robust programming languages.
6	The Consultant should be able to maintain deadlines and confidentiality.	The team are professionals and have a good track record of working with tight deadlines.
7	Evidence of organization's experience and involvement in similar task, as well as documented history of delivering related services in Zimbabwe or outside the country. Experience in health programmes especially working with DHIS data will be an added advantage.	Benson has designed tracking tools for Bindura University of Science Education and Procurement Regulatory Authority (PRAZ). Sarathiel has managed teams designing these tools for Bindura University, PRAZ, and Higher Life Foundation. See CVs for more details.
8	Post installation support to the M&E personnel on the use of the software	The team is willing to discuss arrangements for post installation support.

According to our understanding of the TORs Zimbabwe National Family Planning Council (ZNFPC) has a Toll Free service which the organization hopes will help the needy and those unable to travel to service delivery points especially in the current COVID 19 environment. In order to improve decision making, ZNFPC intends to know more about the clients using the toll free service. The purpose of this assignment is therefore to develop a tracking tool for a call centre service which will be installed at the organisation's HQ. The tracking tool will also assist in understanding the organization's return on investment (ROI) on the toll free service.

The goal of developing the tracking tool is to accurately measure the efficiency of the call centre. Specific objectives include

- recording the number of clients who are served through the call centre;
- capturing the demographic information of each client necessary for improved service provision;
- tracking the effectiveness of the organisation's marketing strategies; and
- capturing the levels of service delivery and client reach by the organisation.

SECTION 3: METHODOLOGY

No.	Activity	Approach
1	Develop an interface of the data collection mechanism and purposes for calling	<p>We will be using the agile software development methodology this will involve</p> <ul style="list-style-type: none">• Requirements gathering: At this stage we seek to have a clear picture of all the objectives and outcomes of the project this will see us developing a System requirements specification document that will be signed by the client and the developer• Design: At this stage we will come up with a blue print of the system• Development : At this stage will commence the development of a prototype• Testing : At this stage we will test the application to measure its performance and meeting of all intended objectives• Deployment: When both parties agree that the system is meeting the desired objectives the system can be deployed on to live servers• Review: Constant reviews can be done on the system to check for possible bugs <p>For easier management and deployment, we require the use of web driven applications that are mobile responsive to allow access from any device</p>

		of choice
2	Create a data base of clients' demographic information	Based on the steps performed above we design a database that allows the collection of all necessary information. We recommend MYSQL DBMRS because of flexibility to customize and extend.
3	Upload the tracking tool to all machines to be used in the call centre room	Our application will be web driven hence upon deploying to dedicated server the application can be accessed via INTRANET OR INTERNET
4	Link social media platforms to the tracking tool	Our application can use social media sentiment analysis model to help analyse traffic on the institution's social media platform. It can also allow manual input from respective call center agents responsible for the social media platforms

The assignment will also use the following additional approaches:

- Desk review
- Key informant interviews
- Piloting/demonstration
- Validation Meeting
- Desk Review- This approach will be used in the inception phase to understand better what ZNFPC requires from historical documentation, strategic and policy frameworks.
- Key Informant Interviews (KII)- This approach will be used in the inception phase to better understand what the ZNFPC requires. An inception meeting will be held with the client via Zoom. KII's will be held with the specific heads/technical experts at ZNFPC afterwards, also using ZOOM. Further KII's will be conducted with three partners of ZNFPC who already have a running toll free tracking system to understand current best practices and benchmarking.
- A pilot session will be organised to demonstrate the tracking tool and its use by ZNPFC users. Feedback will be used to improve and finalise the tracking tool.
- Validation- Key stakeholders identified at inception will be engaged to review the tracking tool.

SECTION 4: Process and Workplan

The assignment has to be completed in two weeks for an equivalent 5 man days from 19 July to 30 July 2021. We propose to conduct it in 4 phases as follows:

No.	Activity	Days
1	<i>Phase 1: Inception</i>	1 day
	Briefing meeting with Client team	
	Initial Document and Toll free system review	
	Inception Report writing, presentation and revision	
	Deliverable: Inception Report	
2	<i>Phase 2: Data Collection and program writing</i>	2 days

	Bench marking	
	Program writing	
3	<i>Phase 3: Pilot testing</i>	1 day
	Version 1 installation and demonstration	
	Version 1 testing and adjustments	
4	<i>Phase 4: Report Submission</i>	1 day
	Revised version demonstration and testing	
	Revision and finalization	
	Presentation to Client	
	Deliverables:	
	Assignment report	
	Total Days	5

SECTION 5: CVs see attached

LEVEL OF EFFORT:
LAZARUS MUCHABAIWA TEAM LEAD (20%)
SARATHIEL CHAIPA MIS EXPERT (20%)
BEN MISI PROGRAMMING EXPERT (60%)

SECTION B: RECENT WORKS CONDUCTED

DATE	TYPE OF WORK	CLIENT	CONTACT/REFEREE
April- May 2021	Costing Consultant. Zimbabwe Development of the Covid 19 Resource mechanism GF funding request.	UNAIDS	Dr Charles Birungi Financing Advisor UNAIDS. Mt Pleasant. Harare. +263787597067 BirungiC@unaids.org
March 2017 – April 2017	Consultancy as HIV/Aids Financing Consultant. National AIDS Council. Zimbabwe National AIDS Strategic Plan III.	National AIDS Council	Mr Raymond Yekeye. Director Operations. Mobile: +263772415132; +263712622029 Email: nyekeye@gmail.com
July 2014 – January 2015	Revision of the Zimbabwe National AIDS Strategic Plan (ZNASP II 2011-2015) and the extension of the plan to ZNASP III (2016-2018).		Mr Albert Manenji. Finance Director. +263772415133; 04791172762049. amanenji@yahoo.com
June-July 2019	Consultancy as Budget Analyst, Zimbabwe National Family Planning Council. Development of A National Health Budget Analysis Report Focusing on Trends in Family Planning Budget Allocation	Zimbabwe National Family Planning Council	Mr Martin Mukaronda Technical Director, Marketing and Communication; No 1 Swiss Way/Highfields Road, Harare. +263772413036 mmukaronda@znfpc.org.zw

Financial Proposal

Applicant:	ANIXSYS PVT LTD
Team Composition	Lazarus Muchabaiwa Value for Money expert/Lead Ben Misi Programmer- software developer Sarathiel Chaipa- system design
Address:	16832 Stonedige Park Harare Zimbabwe
Lead Phone / Fax:	+263 773 357 533
Lead Email:	lmuchabaiwa@gmail.com

The cost of the consultancy is US\$775.00 payable in US\$:

Budget for the assignment		(US\$)
Item description		\$775.00
Professional fees (5 days @US\$155.00/day)		
Lazarus Muchabaiwa (20%)		
Ben Misi (60%)		
Sarathiel Chaipa (20%)		
Total		\$775.00

BENSON MISI

16832 Stoneridge Park Harare - +263717377487/+263775690935
benson.misi@gmail.com

I am a dedicated and dependable professional with over 9 years working experience in the development of applications. I am quick to grasp new ideas, concepts, to develop innovative and creative solutions to problems. I am able to work well under pressure and can demonstrate the highest levels of motivation required to meet the tightest of deadlines. Strong and innovative character with excellent interpersonal/people skills. Excellent verbal and written communication skills. Generally hardworking and result oriented

SKILLS

APPLICATIONS DEVELOPMENT

Proficient in development of enterprise applications using the following tools:

- **Web based Applications :** PHP (laravel), Nodejs, C#, JAVA, PYTHON
- **Mobile Applications :** Hybrid mobile applications (Quasar Framework), Native applications(Android)
- **API development :** RESTFUL, GraphQL, SOAP

DATABASE MANAGEMENT SYSTEM

- MYSQL
- SQL SERVER
- MONGO DB
- SQLite
- POSTGRESS
- MS ACCESS

DATA ANALYTICS TOOLS

- STATA
- R STUDIO
- PYTHON (JUPYTER)

SYSTEMS INTERGRATIONS

- **SAGE Pastel:** Creating real-time automated posting and retrieval of transactions
- **Payment Gateways:** Paynow platform that allows online payments
- **Banking platforms:** Seamless Integration that allows real-time retrieval of transactions

EXPERIENCE

1 APRIL 2019 – CURRENT

ICT OFFICER PROCUREMENT REGULATORY AUTHORITY OF ZIMABWE (PRAZ)

Development and implementation of application that enhance transparency in the public procurement process in Zimbabwe

Achievements:

Developed an online portal that allows supplier all over the world to register in order to conduct business with government institutions. This portal also allows procurement entities to validate supplier registrations before engaging them

1 OCTOBER 2013 – 31 MARCH 2019

SYSTEMS ANALYST, BINDURA UNIVERSITY OF SCIENCE EDUCATION (BUSE)

Development and implementation of an integrated university management system (IUMS). This manages the administrative and learning processes at the institution

1 AUGUST 2010 – 31 SEPTEMBER 2013

HEAD WEB DEVELOPER, ZARNET

Develop and implement applications for various government institutions and parastatals

EDUCATION

APRIL 2020

**BACHELOR OF SCIENCE HONORS DEGREE IN INFORMATION SYSTEMS,
MIDLANDS STATE UNIVERSITY**

CURRENT STUDIES (FINAL SEMESTER)

**MASTERS IN DATA ANALYTICS,
CHINHOYI UNIVERSITY OF TECHNOLOGY**

REFERENCES

ZARNET

- Name : Miss Persis Mayira (**ZARNET**)
Position: Web Developer
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Email : pmayira@zarnet.ac.zw
- Name : Mr Evans Vete (**ZARNET**)
Position : Technical manager
Cell : +263772364719
Email : evete@zarnet.ac.zw

BINDURA UNIVERSITY OF SCIENCE EDUCATION

- Name : Mr Innocent Manyani
Position : Operations Manager
Cell : +263776168285
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- Name : Mr Mark Makombe
Position : ICT Director
Cell : +263779221572
Email : ictdirector@buse.ac.zw
- Name : Mrs. Unity Chipunza
Position : Virtual Open Distance Learning Director
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Email : uchipunza@buse.ac.zw

PRAZ

- Name : Mr. Kilford Jombe
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Cell : +263 71 680 0543
Email : jombek@praz.org.zw
- Name : Mr. Cliff Gondo
Position : Capacity Building director
Cell : +263 772419120
Email : gondoc@praz.org.zw

ORIGINAL COPY

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ZIMBABWE

REGISTRAR OF COMPANIES
EX 03

15 AUG 2019

PO. BOX CY 177, CAUSEWAY
ZIMBABWE

Certificate of Incorporation

I hereby certify that.....
.....
.....
.....

*is this day incorporated under the Companies Act [Chapter 24:03] and that the
Company is Limited.*

HARARE

Given under my Hand and Seal at.....

this 15TH AUGUST 19....., 20.....

[Signature]

Registrar of Companies



TRAINING TOLL FREE SERVICE TRACKING TOOL DEVELOPMENT

Technical Proposal for consultancy services

Submitted by

Mr. David

01 June 2021

Submitted to

Zimbabwe National Family Planning Council (ZNFPC)

Contents

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1. Introduction

Call tracking software helps agencies and marketing departments measure the ROI of their campaigns with phone lead insights and dynamic source tracking. Ensuring access to family planning information, services, and commodities is essential to protecting the health and well-being of women, families, and societies as a whole. Toll-free numbers provide confidential, accurate family planning information, and refers potential users to the confine network of family planning clinics, outreaches and pharmacies. With the advent of Covid 19 and economic hardships, a significant number of FP and SRH clients are failing to access services. Introducing a toll-free number will help the needy and those unable to travel to service delivery points by simply dialling the toll-free number and get assistance from qualified and relevant personnel. A toll-free number comes with various useful features such as call recording, call monitoring, and data analytics. These features can provide comprehensive programmatic insights to the organisation for better decision making. ZNFPC is therefore seeking for a competent organization/ individual to develop a tracking tool for a call centre service which will be installed at the organisation's HQ.

Given this background, the Zimbabwe National Family Planning Council (ZNFPC), is currently seeking for a competent organization/ individual to provide detailed training on Open Data Kit (ODK) to ZNFPC M and E staff to provide opportunities to collate data, analyses data, explore issues, problem solve, and evaluate situations systematically.

Responsibilities of the Project.

Specific responsibilities include:

- Develop an interface of the data collection mechanism and purposes for calling;
- Create a data base of clients' demographic information
- Upload the tracking tool to all machines to be used in the call centre room
- Link social media platforms to the tracking tool

1. Expected results:

By the end of the exercise, the organisation should be able to:

- ✓ Collate the number of clients who used the toll-free number within a given period of time
- ✓ Track the services offered to clients via the toll-free number
- ✓ Analyse the data collected
- ✓ Use the collected data for programming purposes

2. Summary experience of consultancy team leader

Geography and Environmental Science (GIS Mapping and Remote Sensing)- Expert- Mr. David Ndlovu

Mr. David Ndlovu has a BSc (Hons): Geography and Environmental Science. Participation certificate in Open Data kit data collection tool. With the application of GIS and Remote Sensing, David's research interests are in the areas of: Flood modelling and risk assessment. Natural hazards mapping and disaster risk management. (e.g., Droughts, floods, landslides etc.), Environmental Social Impact Assessment and Monitoring and Evaluation of projects. Mr. David has hands on experience with the following GIS and Remote Sensing software: ILWIS, ArcView, QGIS, R software and SPSS.

- ✓ Flood hazard modelling and risk assessment.
- ✓ Natural hazards mapping and disaster risk management. (e.g., Droughts, floods, landslides etc.).
- ✓ Geodatabase Management system and computer programming.
- ✓ Environmental Social Impact Assessment
- ✓ Monitoring and Evaluation of projects

See Annex 1 for full CVs.

Understanding of Terms and Reference

Understanding the scope of work

Our understanding of the TOR is that the goal of this training course is to develop a tracking tool that will accurately measure the efficiency of the call centre. The objectives of this training include to: Record the number of clients who are served through the call centre, capture the demographic information of each client necessary for improved service provision, track the effectiveness of the organisation's marketing strategies, capture the levels of service delivery and client reach by the organisation.

To achieve the objectives of the study, the consultant is expected to engage in the following activities with the support and guidance of the Director Technical Services of the Zimbabwe National Family Planning Council (ZNFPC).

Task 1: Provide technical support on TRACKING TOOL DEVELOPMENT and related matters

The consultant to provide key aspects on the technical use TOLL FREE SERVICE TRACKING TOOL DEVELOPMENT and elaborate how it works.

Task 2: Create a data base of clients' demographic information.

This task would require the consultants to introduce the participants on how to create a data base of clients' demographic information.

Task 3: Upload the tracking tool to all machines to be used in the call center room

This task would require a comprehensive demonstration on how to upload the tracking tool to a machine or computer.

Task 4: Link social media platforms to the tracking tool

This task requires the consultant to link the social media platforms to the tracking tool.

4. Methodology

Study Approach

The Consultant will formulate a course outline for effective training sessions.

Desktop study

Desktop review of literature will be done. This will cover Collate the number of clients who used the toll-free number within a given period of time, track the services offered to clients via the toll-free number, analyse the data collected, use the collected data for programming purposes, among other activities outlined above. Presentations and practical session will be done.

Deliverables

Final report on trainings.

The report must include all the manuals, presentations and practical sessions conducted.

Annex 1

David Ndlovu

Personal information

Date of Birth: 15/07/1997

Nationality: Zimbabwean

National Identity: 67-2005490 Z77

Sex: Male

Marital Status: Single

Religion: Christian

Physical Address

15223 Herbet Chitepo

Kuwadzana Extension

Harare

Zimbabwe

Contact Details

Phone: 071 878 6926 / 0775486721

Email: davidndlovu453@gmail.com Professional Qualifications

- ✓ BSc (Hons): Geography and Environmental Science (*Great Zimbabwe University*)
- ✓ Classification: on work related learning / Industrial attachment

Year (2018-2021)

Short Courses

- ✓ Participation certificate in Open Data kit (ODK) data collection tool.

Key Competencies

David is a competent, energetic, innovative, goal-driven, self-starter and well-organized research scientist with more than 1 years working experience in GIS and Remote sensing field with strong inter-personal and leadership skills, very eager to explore new horizons, and committed to excellence and professionalism.

With the application of Geography and Environmental Science, GIS and Remote Sensing,

David's research interests are in the areas of:

- Geodatabase Management system and computer programming.
- Application of GIS and Remote Sensing in Local Authorities, Ministries and NGOs.
- Use of remote sensing in Water quality monitoring.
- Flood hazard modelling and risk assessment.
- Use of Unmanned Aerial Vehicles (UAVS) for water resources assessments.
- Data collection, cleaning, analysis, and presentation of spatial data outputs.
- Natural hazards mapping and disaster risk management. (E.g., Droughts, floods, landslides).
- Environmental Social Impact Assessment.

- Remote sensing image classification and processing.
- Digitizing and Georefencing of spatial datasets □ Biodiversity and Ecology.
- Research work and consultancy
- Multicriteria Analysis

Work Experience: GeObservation World Consultancy Company-Zimbabwe

Job Title: Attache

Date: 01/09/2020- current **Key Responsibilities:**

- GIS Consultancy work.
- Conducting GIS and Remote sensing trainings.
- Preparing proposal documents and templates of various projects □ Environmental and social impacts assessments.
- Breaking new horizons of research work.
- Package research work into publications.



ZNFPC TOLL FREE TRACKING TOOL DEVELOPMENT PROPOSAL

JULY 2021

About Us

TBGA is designed to create disruption that delivers profitable growth strategies. Our mission is to acquire, retain and delight our clients. We create Incisive Marketing Strategies, Inclusive Websites and Digital Campaigns, Branding that Incites Emotion, Advertising that Increases Market Share, Brochures that Incentivise Sales, Ideas that Actually Sale...

Our Journey

Over the years we've had the opportunity to be a part of some amazing brands and campaigns. We've been navigating our way through shifting media, fragmented audiences and economic challenges by harnessing the power of creativity to discover the True South. Finding the truth, expressing it and making it come alive for consumers. Honest and authentic experiences that bring people together.

In 2018 the consulted for the Zimbabwe ANTI Corruption Commission (ZACC) and developing a tool for public interaction which ZACC is currently using. Other projects include creating a dashboard on Gender Based violence for use by women's organisations for tracking GBV within the Covid-19 context. Currently we are working on a project to create a tracking tool that assists on monitoring national budget allocations from a social inclusion perspective.

Background

Zimbabwe National Family Planning Council recently made a decision to give its clients access to family planning information, services and commodities in order to protect the wellbeing of women, families and societies. Covid 19 has made it difficult to access some of the ZNFPC services hence the need for a tracking tool for their call centre. The tool shall be integrated into their tollfree number to help get insights to the organisation and so give them a better understanding on how best they can serve women and families in need of their services.

Expression of Interest

Introduction

In the advent of Covid 19 there has been travel restrictions, with some losing their jobs thus renewed efforts to mitigate the impact of family planning on the society and the need for a solution that guarantees efficiency.

Currently women call in to get assistance. The proposed platform will be accessed to support beneficiaries with key information and services they require while in their communities without resorting to traveling and physical gatherings.

It is common cause that most people still have misconceptions about family planning hence the need for constant education and discussion to dispel the myths.

This therefore requires that ZNFPC uses a non-porous solution that feeds into their communication needs and objectives.

Understanding the Terms of reference

ZNFPC seeks to develop and deploy an analytics tool that will enable the tracking and monitoring of key metrics in the Call Centre ecosystem. This tool will be embedded to the deployment system currently being used in the call centre and must be compatible with the current hardware configurations. The data mined by this tool will enable ZNFPC to measure the efficiency of the call centre guided by the following key metrics.

-
- Recording the number of clients who are served through the call centre.
 - Capture the demographic information of each caller
 - Capture the caller's source of call centre details (to understand marketing efficiency)
 - Capture the levels of service delivery and client reach by the ZNFPC.

Our Proposal

The consultant will develop a web application that enables the recording of live metrics by the call handlers within the call centre. This application will be served through a browser interface and will be used at every call activity to input detail that is gathered by the call handler in real time.

System Architecture

The web application will comprise of three components that will seamlessly work together to provide the functions and experience required by the interventions. The three components will be as follows:

1. **Backend:** This is the system engine that will be built in python and JavaScript using the node.js library. The backend will house all the administrative functions of the system. The administrative functions will include data storage and integrity, as well as users and permissions.
2. **Database:** The system will use MySQL database protocol to capture, store and retrieve data from the call handlers. This database will be developed to be the conduit between the frontend and the backend. The database will include an end to end encryption to support data integrity and will be executed via MD5 encryption for user password integrity.
3. **Frontend:** The frontend is the component that the users will interact with. From this frontend, users will be able to login via a browser connecting through an IP/WEB address. The frontend will be developed using Django framework or React Native expression engine. This is the component that will deliver the experience, to receive reports, educate and communicate securely and where user prefers, instant communication. This application will also fix the case management headache as it will come with a case management dashboard. This will aid evaluation of ZNFPC's work with analytics of cases by as many variables as needed.

The application is an artificial intelligence (AI) powered app that is built to converse with the user in a chat manner, asking questions that are relevant to an investigation.

While there is much sophistication under the hood, the user interface will be an easy to use BOT powered chat which works like any chat app e.g. WhatsApp. This app can be deployed across many environments e.g. Android, Apple, Windows, USSD, Website and can be delivered in any language.

Costs

The following costs will cover development, deployment and upfront server costs for the initial 2 years.

QTY	DESCRIPTION	UNIT PRICE (USD)	AMOUNT
1	Core Software development for Application Engine, Backend, Case Dashboard and Integration Framework (2 days)	2,500	2,500
1	MySQL Development (1 day)	1,000.00	1,000
1	Frontend development (1 day)	1,500	1,500
1	One Day Training (1 day)	500	500
			Total US\$5,500

Notes:

This Financial proposition is negotiable

The Team

Tirivashe Mundondo, is a communications, advertising and technology innovations inspirator. He challenges and stretches everyone's imagination to move into a more creative, brand conscious and innovative space.

He is passionate about advocacy and governance communications, organizational branding, advertising and exploring technology solutions for enterprise and for the development template of the day. He has the confidence to approach complexity with the versatility of a multi-faceted perspective.

Tirivashe has over a decade of professional experience in the field of advertising, image marketing, and branding for medical, real estate, technology, and service industries. He has built a reputation worthy of the title legendary as he worked as Art Director, Creative Director and Multi-Media Director for various advertising agencies in Africa.

Chengetal Kanyangu is a development practitioner who has worked mainly on gender equality related programs for over 15 years. Through her experience she has been able to mainstream gender issues in policy discussions such as law making, national budget analysis as well as gender responsive use of ICTs and media in order to promote increase access to services by women in both urban and rural communities. She is an economist by training with a Masters Degree in Economics.

Linda Mavhunga has over 15 years as a brand strategist and public relations specialist. She has experience in reputation management, media liaison, stakeholder relations, client services and key account management. She has expansive experience in marketing and has also worked in the Media before joining Cimas Medical Aid Society Marketing team where she was responsible for publications, internal and external communications.

Delaney Mudukuti has worked on a number of projects before joining TBGA. She has vast knowledge of managing digital communities via social media and other digital platforms. Delaney is the inhouse director of copy and associate responsible for content creation. She was responsible for the establishment and maintenance of the Clarion Insurance social media pages.

TBGA

www.tbga.agency

Toll Free Data Collation System for ZNFPC Programmes



Introduction

Organisations deal with vast amounts of data in their decision making. There has been a rapid growth in the use of digital and spatial data in many humanitarian and socio economic and political aspects. Technology has introduced new ways of collecting data for monitoring and evaluation that does not require the use of papers such as through the mobile data collection. Using the mobile data collection data is collected on the phone and transmitted to a server for analysis. ZNFPC seeks the services of a consultant to collate toll free data. The data will be used for decision making. The ODK system coupled with Kobocollect allows for the officers to author, field and manage mobile data collection send through the toll free system.

Components of the proposed system

The user of the user-friendly online system will be able to:

- i. Log in using encrypted username and password
- ii. Allow the user to input his or her user ID in order to analyse collected data basing on the collector.
- iii. Fill out and record in, near real time, the electronic form from the Toll Free conversation on the following and other coded details which will be provided by ZNFPC:
 - a. ID of caller
 - b. Purpose of call
 - c. Client status in terms of family planning indicators
 - d. Demographic status
 - e. Other services or recommended given to the caller
 - f. Other indicators
- iv. Collate the total number of clients who used the toll free number and each call duration within a period of time. Each call will record date and time and duration of the call.
- v. Auto generate reports such as graphs, tables and summaries for each response online and map the responses if there are GPS coordinates.
- vi. Record the conversation offline and the system will automatically upload once internet is restored.
- vii. Download the data in any of the following formats; csv, geoJSON, SPSS labels and XLS. These formats enable the user to perform further analysis in statistical packages such as SPSS and Microsoft Excel.

Another copy of the form can be embedded to the social media platforms such as Facebook and whatsapp. This form will be self-administered online, meaning that instead of calling, the caller can fill in the information and submit.

Target group

- The system is designed for Zimbabwe National Family Planning Council Programme personnel, hospital nurses etc

Benefits to those trained

- Appreciation and hands on knowledge and practical experience on Mobile Phone and Computer Based Data Collection Using ODK with Kobotoolbox for all Toll free calls.



+263 4755060 | +263 714 677 523

07 Fornham
Livingstone Avenue
Harare

geobservationworld@gmail.com
info@geobservationworld.org.zw

*For research, training & consultancy in GIS & Remote Sensing
for the built, bio-physical, socio-economic and natural environment*

Timelines

	5 July	6 July	7 July	8 July	9 July	10 July
Needs Assessment						
Design of ODK Kobo System						
Testing of the System						
Deployment of System						
Connect to Social Media Platform						

Profile of Experts

Mr. Gumindoga W

0774 356 999 Email wgumindoga@gmail.com

PhD ongoing (Netherlands), MSc (Netherlands), MSc (Zimbabwe), BSc (Hons) (Zimbabwe)
An Environmental -socio systems analysis and monitoring expert with wealth of experience in GIS, satellite remote sensing and GPS applications in Local authorities, EIA and Multi-Criteria Analysis. Mr. Gumindoga has strong statistics and IT background.

Mr. Marozva K

Cell: +263 77 584 4562, Email: keenmarozva@gmail.com

BSc Geographical Information Systems and Earth Observation (UZ)

A GIS expert with experience in Spatial Databases, Webmapping, GPS applications and Geoinformatics. Over the past few years, Mr Marozva has been engaged with various local authorities in creating mobile applications for environmental management.



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info@geobservationworld.org.zw

Financial Proposal

TOLL FREE SERVICE TRACKING TOOL DEVELOPMENT

Quotation

Product Description	Number of days	Unit Price US\$	Total Price US\$
Toll Free Data Collation System for ZNPFC Programmes	5	US \$ 180-00/day	US \$ 900-00
The ODK system coupled with Kobocollect			

Notes

- Quotation is valid for 30 days.
- The system requires that the users have a desktop, smart phone, tablet or laptop

Please feel free to contact us if there is any clarification required or adjustments requested.

Account details are as provided

Banking Details (Nostro)

Account name: GeObservation World (Pvt) Ltd
Branch: Agrigold
Account Number: 100006813415
Swift Code:
Sort Code: 10163

Webster Gumiadoga

Director GEObservation WORLD

For research, training & consultancy in GIS, Remote Sensing for the built, bio-physical, socio-economic and natural environment

www.geobservationworld.org.zw

CURRICULUM VITAE

Family Name: Gumindoga
First Names: Webster
Gender: Male
Date of Birth: 04 March 1984
Nationality: Zimbabwean
Marital Status: Married
Contact Details:
Phone: +263 774 356 999
+263 714 677 523
E-mail: wgumindoga@gmail.com
Address: (Home) 07 Fornham
Livingstone Avenue,
Harare, Zimbabwe

EDUCATION

Degree(s) or Diploma(s) obtained:	Date from - Date to
PhD in Spatial Hydrology (ongoing) (University of Twente, Faculty of Geoinformation Science and Earth Observation (ITC), The Netherlands). Area of research: <i>Satellite Hydrology and Water Resources Management</i>	2015-2020
MSc: Geo-Information Science and Earth Observation for Water Resources and Environmental Management: University of Twente, Faculty of Geoinformation Science and Earth Observation (ITC), The Netherlands Final year Project: <i>Hydrological responses to Landuse /cover changes in the Lake Tana basin, Ethiopia.</i>	Sept 2008- March 2010
MSc: Environmental Policy & Planning: University of Zimbabwe Final year Project: <i>Hydrological and Hydraulic Modelling in the Chobe-Caprivi Wetland System of the Upper Zambezi Basin.</i>	Feb 2007-July 2008
BSc (Hons): Geography: University of Zimbabwe	Aug 2003-Oct 2006

SHORT COURSES ATTENDED & EXHIBITIONS

Short Courses, Trainings and Exhibitions	Date from - Date to
Course participation certificate on Online Material Development organised by WaterNet	29 October 2019
Course participation certificate in Geohydrology and Well Hydraulics Policy Direction – Water Clinics organised by the Dutch Embassy in Harare	8-9 Sept 2019

Course participation certificate in Policy Direction - Eradication of Hunger and Achievement of Food Security: South African Young Academy of Science (SAYAS) Birchwood and OR Tambo Conference Centre, Johannesburg, South Africa	11-13 April 2018
Course participation certificate in Matlab Programming in Engineering: University of Twente, The Netherlands.	10-14 July 2017
Course participation certificate in Unmanned Aerial Vehicles for Earth observation: University of Twente, The Netherlands.	26 June-14 Jul 2017
Exhibitor: Project on "Geoinformatics and Engineering based technologies for water resources management" selected for presentation at Zimbabwe International Trade Fair (ZITF), Bulawayo, Zimbabwe.	April 2015
Course Convenor: GIS and Remote Sensing Applications on Inventorying and Estimation of Water Use. Course run on behalf of the Center for Continuing Engineering Education (CCEE) and Department of Civil Engineering, University of Zimbabwe.	28-30 Nov-5-7 Dec 2014
Course participation certificate in Information Systems for Hydrological Modeling, Earth Observation and Meteorological Model Information - My Water platform: Universidade Eduardo Mondlane, Mozambique.	25-28 November 2013
Course participation certificate in the CSAG training course: Using Climate Information for Adaptation and Policy Development: University of Cape Town, South Africa.	7-11 October 2013
Course participation certificate for Training of trainers course on the use of Earth Observation tools in support of IWRM: Faculty of Geoinformation Science and Earth Observation (ITC) of the University of Twente, The Netherlands.	3-7 December 2012
Certificate of Participation and appreciation for showing good citizenship and an exhibitor at the University Stand: Geoinformatics, Surveying and Civil Engineering related research UZ Research and Intellectual Expo.	2012, 2013, 2014
Certificate of competence in AutoCAD: Department of Rural and Urban Planning, University of Zimbabwe.	1-11 October 2011

WORK AND PROFESSIONAL EXPERIENCE

Organization	Job Title	Key Responsibilities	Date(from-to)
University of Zimbabwe	Lecturer In hydrology and meteorology	<ul style="list-style-type: none"> i. Setting examinations and marking ii. Research and publications iii. Community Service iv. Innovation v. Industrialisation vi. Knowledge transfer. vii. Teaching, and supervision of BSc and MSc students on the following courses <ul style="list-style-type: none"> a. Hydrometeorology (BSc) b. Hydrology, Water Resources and Climate (BSc) c. Engineering Surveying (BSc) 	May 2010-Present

COMPUTER LITERACY

Microsoft office tools: MS Word, Excel, Powerpoint
Programming: Interactive data language (IDL) and Matlab
Statistical tools: R programming language, SPSS, STATISTICA, S-PLUS & Curve Expert
GIS and RS: QGIS, ILWIS, ArcView, ARCGIS, ArcInfo, ERDAS IMAGINE, ENVI
Water resources/environmental modelling tools: HBV, REW, WEAP, WAFLEX, SEBS, TOPMODEL, HEC HMS, HEC RAS, ArcHydro, LISEM, PC Raster & AQUACHEM

LANGUAGE SKILLS: (1-Excellent; 2-Intermediate; 3-Basic)

Language	Reading	Speaking	Writing
English (language of instruction)	1	1	1
Shona (mother language)	1	1	1
Dutch	3	3	3

AWARDS & SCHOLARSHIPS

1. **Best Young Water Scientist Award (2017):** Surface, Groundwater and Urbanisation, 18th WaterNet/WARFSA/GWPSA Symposium in Namibia
2. **Best Young Water Scientist Award (2016):** Hydrology category, 17th WaterNet/WARFSA/GWPSA Symposium in Gaborone
3. **Best Young Water Scientist Award (2015):** Hydrology category, 16th WaterNet/WARFSA/GWPSA Symposium in Mauritius
4. **P.H Haviland Award (2015):** Significant contribution to Water Conservation, Irrigation, Pollution Prevention and Allied Fields
5. **NUFFIC scholarship (2008-2010), Netherlands Fellowship Programme (NFP) for MSc studies.**
6. **WaterNet Scholarship (2013-2016):** DANIDA PhD funding for transboundary research in the Zambezi basin

PUBLICATIONS AND CONTRIBUTIONS

Articles published in journals of Nature and Science, and indexed in Science Citation Index

1. W Gumindoga, F. Ali, T. Tarusida., 2021. Environmental impacts of illegal mining activities in Mazowe District- A Remote Sensing based approach for environmental protection. *J. Environ. Manag. Zimbabwe (JEMZ)* 1 (1), 193-212
2. Gumindoga W. Nhapi I, Dube T, Rwasoka D.T, Makurira H and Mazvimavi D. 2021. Transboundary water pipeline route optimization for Zimbabwe and Botswana. Accepted Manuscript. ZIE Journal.
3. Gumindoga W. Murwira A, Rwasoka D, Jahure F, and Chikwiramakomo L. 2020. The spatio-temporal soil moisture variation along the major tributaries of Zambezi River in the Mbire District, Zimbabwe. *Journal of Hydrology, Regional Studies.* <https://doi.org/10.1016/j.ejrh.2020.100753>. Volume 32 (100753).
4. Kapalanga T, Hoko Z, Gumindoga W and Chikwiramakomo L. 2020. Remote sensing-based

Jan 2017	Women in Politics Support Unit (WIPSU)	GIS Expert	<ul style="list-style-type: none"> GIS and Databases training on use of GIS and Remote Sensing to support activities of female candidates in politics. Mapping of voter turnout
June 2017	Environmental Management Agency (EMA) <u>Tel. (04) 705671-3 / 705661-2</u> <u>ema@ema.co.zw</u>	GIS and RS Expert	<ul style="list-style-type: none"> Review of global datasets of land productivity Land productivity mapping for Zimbabwe with remote sensing data Programming for automatic retrieval of global datasets
Nov-Dec 2016	CARE International Zimbabwe	Water Resources Expert	<ul style="list-style-type: none"> Enhancing Community Resilience and Sustainability (ECRAS) in Chiredzi and Mwenezi Districts: Multihazard Risk assessment Flood and Drought Assessment
Jan-Aug 2016	Red Cross Society Zimbabwe	Water Resources Expert	<ul style="list-style-type: none"> Baseline survey on the most sustainable water supply alternative for Muzarabani District, Zimbabwe GIS mapping
May-Aug 2016	Mutirikwi Subcatchment Council	GIS Expert	<ul style="list-style-type: none"> Consultancy Services to design a GIS database for Mutirikwi Sub-Catchment Council for improved water service delivery GIS training for the Subcatchment officers
April 2016	CRJDF, Zimbabwe	GIS Expert	<ul style="list-style-type: none"> Consultancy Services to train Save and Runde Catchment Council officers on the use of GIS ad Remote Sensing for water resources management
Dec 2015	Shamva Rural District Council	GIS Expert	<ul style="list-style-type: none"> Consultancy Services on training Chaminuka RDC officials on the use of GIS and Remote Sensing for groundwater mapping
Jan-April 2015	Augur Investments (Pvt Ltd)	GIS Expert and Hydrologist	<ul style="list-style-type: none"> Consultancy Services on eco-hydrological mapping of sensitive ecosystems on the proposed Borrowdale Shopping Mall Responsible for vegetation species mapping, hydrological and hydraulic modelling of the area under flood threat
Nov-Dec 2014	SIDA and Pungwe Project	GIS Expert	<ul style="list-style-type: none"> Consultancy services on GIS and Remote Sensing Applications on Inventorying and Estimation of Water Use for the Save and Runde water managers
May -Aug 2014	UNICEF 6 Fairbridge Avenue, Belgravia, Harare Tel: +263 4 703.941	GIS Expert	<ul style="list-style-type: none"> Institutional Consultancy Services to Conduct a Baseline Survey to Determine the Current Status of Urban Water Supply, Sanitation Services and Hygiene Practices in 14 Towns in Zimbabwe" Responsible for mapping the services in space and time Geo-database creation to improve information management by the 14 Towns
Jan-Aug 2013	World Bank, Zimbabwe Old Lonrho House 88 Nelson Mandela Avenue P.O. Box 2960 Harare, Zimbabwe	GIS Expert	<ul style="list-style-type: none"> Service level Benchmarking Project (SLB) on all the urban local authorities of Zimbabwe funded by the World Bank Project on improving service level on water, wastewater and solid waste management in all the 32 local authorities of Zimbabwe Responsible for geo-database creation to improve information management by the 32 local authorities
Jan-Aug 2013	Environmental Management Agency (EMA) <u>Tel. (04) 705671-3 / 705661-2</u> <u>ema@ema.co.zw</u>	Principal Investigator	<ul style="list-style-type: none"> Project on Soil erosion modelling and land degradation assessment in Zimbabwe. Generating a GIS-based erosion inventory map of 7 catchments of based on recognized empirical models (USLE & SLEMSA) Mapping areas needing immediate land rehabilitation to reduce soil erosion. Setting up of soil erosion test/validation plots

March 2020	Zimbabwe National Family Planning Council (ZNFPC)	Team Leader & Chief trainer	<ul style="list-style-type: none"> ▪ Consultancy services to train Zimbabwe National Family Planning Council (ZNFPC), ZNFPC officers on use of GIS and Earth Observation. ▪ Provided detailed training on Geographic Information Systems (GIS) to ZNFPC M and E staff to provide opportunities to analyse data, explore issues, problem solve, and evaluate situations in a geographic and spatial context. ▪ This training course is aimed to enable participants to understand the basic concepts of GIS and to discover how it can be applied to the context of Family planning and SRH data. ▪ The training will build the capacity of programme, monitoring and evaluation staff
Feb 2020	International Rescue Committee Beitbridge, Zimbabwe	Team leader & GIS Expert	<ul style="list-style-type: none"> ▪ GIS, Remote Sensing and Flood based hazard Modelling in Beitbridge District Of Zimbabwe for Disaster Risk Management ▪ Specific responsibilities include: <ul style="list-style-type: none"> ◦ Develop a context specific manual for GIS and flood modeling ◦ Develop a step by step end user manual on Remote Sensing ◦ Produce a comprehensive drone flying and PIX4D map processing user manual ◦ Produce 10 user manual copies on GIS, remote sensing and Drones flying in color
Jan 2020	SADC-GWP and Upper Manyame Subcatchment Council	Team Leader & GIS Expert	<ul style="list-style-type: none"> ▪ Conduct investigations within the project area to establish 20 spatially representative locations upon which soil profiling shall be undertaken. ▪ Develop a detailed spatial map of the proposed soil profiling sites. The coordinates should be in WGS 84 UTM format.
Oct 2019	SADC-GMI and World Vision	Team Leader	<ul style="list-style-type: none"> ▪ Conducting a partial ESIA for the on-going SADC -GMI Rehabilitation of Pilot Projects to Supply Water to Communities and Institutions in Whunga and Dite Areas of Beitbridge District
March 2019	ZINWA Harare, Zimbabwe	GIS and Water Expert	<ul style="list-style-type: none"> ▪ Consultancy services to train ZINWA water professionals on the use of GIS and Remote Sensing to improve water resources management ▪ All senior officials and field officers for ZINWA across the country were trained
Feb 2019	ZINWA Harare, Zimbabwe	GIS and Water Expert	<ul style="list-style-type: none"> ▪ Consultancy services to train ZINWA water professionals on water resources modelling ▪ All senior officials and field officers for ZINWA across the country were trained
Jan 2019	International Rescue Committee Beitbridge, Zimbabwe	GIS and Mapping Expert	<ul style="list-style-type: none"> ▪ Consultancy services to train IRC officers on use of GIS and Earth Observation for mapping floods in the Beitbridge Area ▪ Flood mapping with a drone
Dec 2018	African Training and Development Institute	GIS Expert	<ul style="list-style-type: none"> ▪ GIS and Databases training on use of GIS and Remote Sensing for disaster risk management ▪ GPS mapping and remote sensing
Dec 2018	Olimem Technologies Bulawayo	GIS and Remote Sensing expert	<ul style="list-style-type: none"> ▪ GIS and Databases training on use of GIS use in local authorities ▪ Linking GIS to AUTOCAD
Nov 2018	Runde Catchment Council, Zimbabwe	GIS and RS Expert	<ul style="list-style-type: none"> ▪ Consultancy Services to train Runde Catchment Council officers on the use of GIS and Remote Sensing for improved water resources management ▪ GIS and GPS use

May 2021	Save the Children (Zimbabwe) happymore.chenge.dza@savethechildren.org	GIS and Drone Expert	<ul style="list-style-type: none"> • Training Save the Children Zimbabwe Staff on GIS and Remote Sensing • Handson training on unmanned aerial vehicles (Drones) to map critical education infrastructure in Chipinge • The training build the capacity of programme, monitoring and evaluation staff
April 2021	ZIMPARKS Mr. Courage Mutema cmutema@zimparks.org.zw	Hydrologist	<ul style="list-style-type: none"> • Development of a Strategic Environmental and Social Impact Assessment (SESA) Victoria Falls/ Mosi oa Tunya National Park World Heritage Property. • Hydrological impact assessment
March-May 2021	Environmental Management Agency (EMA) & Zimbabwe Geospatial and Space Agency (ZINGSA) Mr. Maturure maxwell.maturure@ema.co.zw	National coordinator	<ul style="list-style-type: none"> • Zimbabwe Wetlands Masterplan development • Wetland submaps for the 10 provinces of Zimbabwe • Wetland submaps for all districts of Zimbabwe • Wetlands Map for the 32 major local authorities of Zimbabwe • Database of all wetlands in the above jurisdiction
Dec 2020-Feb 2021	UNOP Harare	Hydrologist	<ul style="list-style-type: none"> • Hydrological Study for The Design of Roads and Bridges in Chimanimani And Chipinge Districts • Carry out the hydrological study (research and field tests, laboratory tests and hydrological report writing) for the design and construction of two causeways type bridges and one modular panel type in Chipinge and construction of section of road from Nyahodi Bridge to Rusitu Mission Hospital • Provide hydrological recommendations for possible design alternatives, i.e. the recommendations emanating from the hydrological survey support the choice of the most convenient bridge/ river crossing solution.
Aug 2020-June 2021	World Bank Tariro Tserai ttserayi@worldbank.org	Hydrometeorologist	<ul style="list-style-type: none"> • Hydrometeorological Services in Zimbabwe- A Consultancy to assess the institutional requirements and early actions to be taken to improve the provision of hydrometeorological and early warning services in Zimbabwe
Aug-Dec 2020	Mhondoro Ngezi & ZIMIT Dr. Dube +263 77 270 9180	GIS Expert	<ul style="list-style-type: none"> • Water Audit for Turf Township • Spatial Database Design
July 2020	BCHOD & Ruwa • Local Board Eng. Tendai Marowa • tendaim@bchordre.co.zw	Hydrologist and GIS and Mapping Expert	<ul style="list-style-type: none"> • Carrying out Yield analysis of the Greenock and Sanga dams after carrying out catchment analysis, rainfall analysis, runoff simulation & analysis, environmental considerations among other considerations. • To advise the team on the maximum permissible size of the dams after also considering all the other factors including the seismicity of the area. • To provide a Comprehensive Report on the climate of the areas with the dams i.e precipitation, evaporation, temperature, wind velocity etc and their effects on the availability of water • To estimate the current siltation in the dams.

THESIS SUPERVISION

		Details	No.
1	MSc Theses supervised	Completed	35
		In Progress	5
2	BSc Theses supervised	Completed	17
		In Progress	6

MEMBERSHIP OF PROFESSIONAL ORGANISATIONS

1. Founding Fellow of the Zimbabwe Young Academy of Sciences (ZIMYAS)
2. Secretary General Zimbabwe Young Academy of Sciences
3. Corporate Member of the Survey Institution of Zimbabwe (SIZ)
4. Water Resources Expert in the Zimbabwe National Geospatial and Space Agency (ZINGSA)

FIELD OF EXPERTISE

Webster is a competent, energetic, innovative, self-starter and well-organized research scientist with strong interpersonal and leadership skills, very eager to explore new horizons, and committed to excellence and professionalism. With the application of GIS and Remote Sensing, Webster's research interests are in the areas of:

- Spatial and quantitative hydrology, water balance assessment and monitoring
- Hydrological modelling
- Quantification of water cycle components (Rainfall, Groundwater, Soil moisture, Hydrochemistry, Evapotranspiration and Radiative Transfer)
- Use of Unmanned Aerial Vehicles (UAVS) for water resources assessments
- Feedbacks between climate, landuses, water cycles and other societal influences
- Development of computer programs for hydrological data processing/modeling
- Evapotranspiration modelling in water limited environments
- Flood modelling and risk assessment

CONSULTANCY WORK CONDUCTED

Date from - Date to	Company and contact	Position	Description of the Job
May 2021	Zimbabwe National Family Planning Council (ZNFPC)	Team Leader & Chief trainer	<ul style="list-style-type: none">▪ Consultancy services to train Zimbabwe National Family Planning Council (ZNFPC), ZNFPC officers on ODK Mobile Data Collection.<ul style="list-style-type: none">• Creation of survey forms using Build or XLSForms• Upload forms to a Google drive server• Load forms into Collect on an Android device• Fill out forms with participants using Collect• Upload survey data from Collect to Google Drive• Analyse or export data in Google Drive▪ The training build the capacity of programme, monitoring and evaluation staff

		<p>d. Research Methods (BSc)</p> <p>e. Remote Sensing, Geographic Information Systems and Database Management (MSc)</p> <p>f. Water Resources Modelling (MSc)</p> <p>g. Research Methods (MSc)</p> <p>h. Water Resources Planning and Analysis (MSc)</p> <p>i. Principles of Water Quality & Environmental Management</p> <p>j. Catchment Water Management (MSc)</p> <p>k. Groupwork Module (MSc)</p>	
Civil Engineering UZ (Office of SADC WaterNet professorial chair in IWRM)	Technical & Research Assistant	<ul style="list-style-type: none"> • Assisting in coordinating research projects related to Integrated Water Resources Management (IWRM) in the SADC region • Report writing and filing 	January-June 2011

LEADERSHIP POSITION(S) HELD

- Postgraduate Programmes Coordinator, Department of Civil Engineering (Sept 2019-Present)
- Deputy Postgraduate Programmes Coordinator, Department of Civil Engineering (Dec 2013-2016)

UNDERGRADUATE AND POSTGRADUATE TUTORIAL MATERIAL AND MANUALS DEVELOPED

1. Tutorial material on how to acquire and process satellite images
2. SEBS based method of Evapotranspiration estimation
3. Tutorial on AutoCAD
4. Soil erosion modelling
5. DEM Hydroprocessing manual
6. Manual on Flood routing through the HECRAS software
7. HEC-HMS manual for Rainfall-Runoff Modelling
8. Tutorial material on how to compute vegetation indices
9. Manual on acquisition and processing of ASTER 30m DEMs



Zimbabwe Revenue Authority

Tax Clearance Certificate (ITF263)

Tax Year Ending 31 December 2021

Geobservation World n/a

Business Partner Number: 0200188222

Your Tax position is Satisfactory. No 10% tax should be withheld

Clearance issued on 02/15/2021 at 21:50:45 valid until 04/30/2021

Authentication code: BDIM.HHO.LTTJ.GLZ7

The authentication and validity of this certificate must be validated on
ZIMRA page at: <http://efiling.zimra.co.zw>





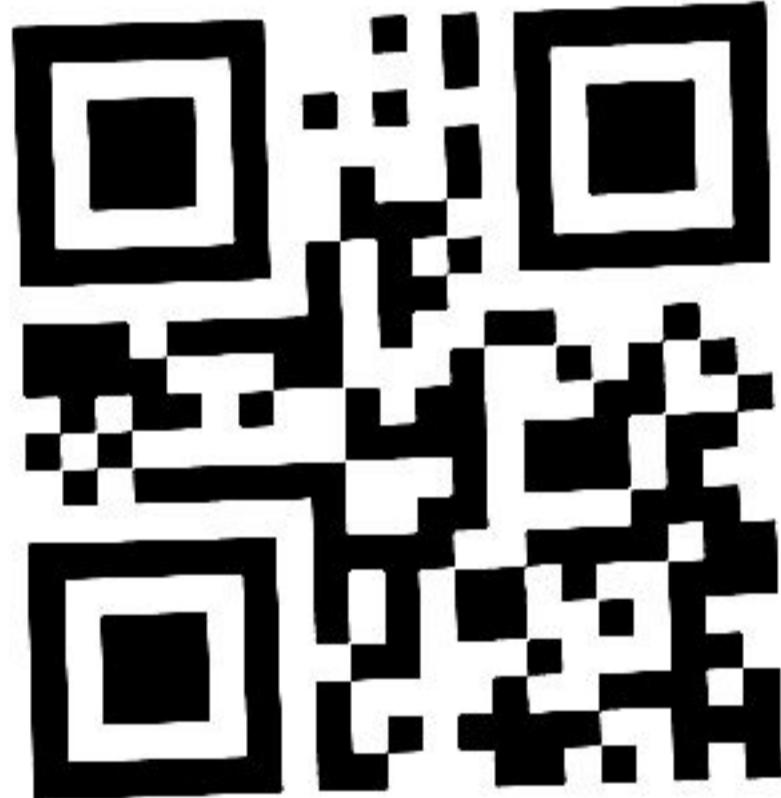
2021 ANNUAL REGISTRATION OF A BIDDER

Environmental Impact Assessment Services(SE002)

The Procurement Regulatory Authority of Zimbabwe has approved *Geoservation World P/L's* application for inclusion on the Registered List of Bidders for the above category , in terms of Section 4 of the Public Procurement and Disposal of Public Assets (General) Regulations, 2018 for a period expiring 31st December 2021

Verification Code: **PRAZ-2021-1961-27371**

Please note that the authenticity and validity of this certificate must be verified on our PRAZ portal at <http://portal.praz.org.zw/verification>





■ ENTERPRISE INFORMATION SYSTEMS
■ GIS & LOCATION INTELLIGENCE
■ DATA SERVICES & INFORMATICS
■ PROJECT CONSULTING & RE-SOURCING

36 Devon Road, Avondale, Harare

www.stratagencapital.com

contact@stratagencapital.com

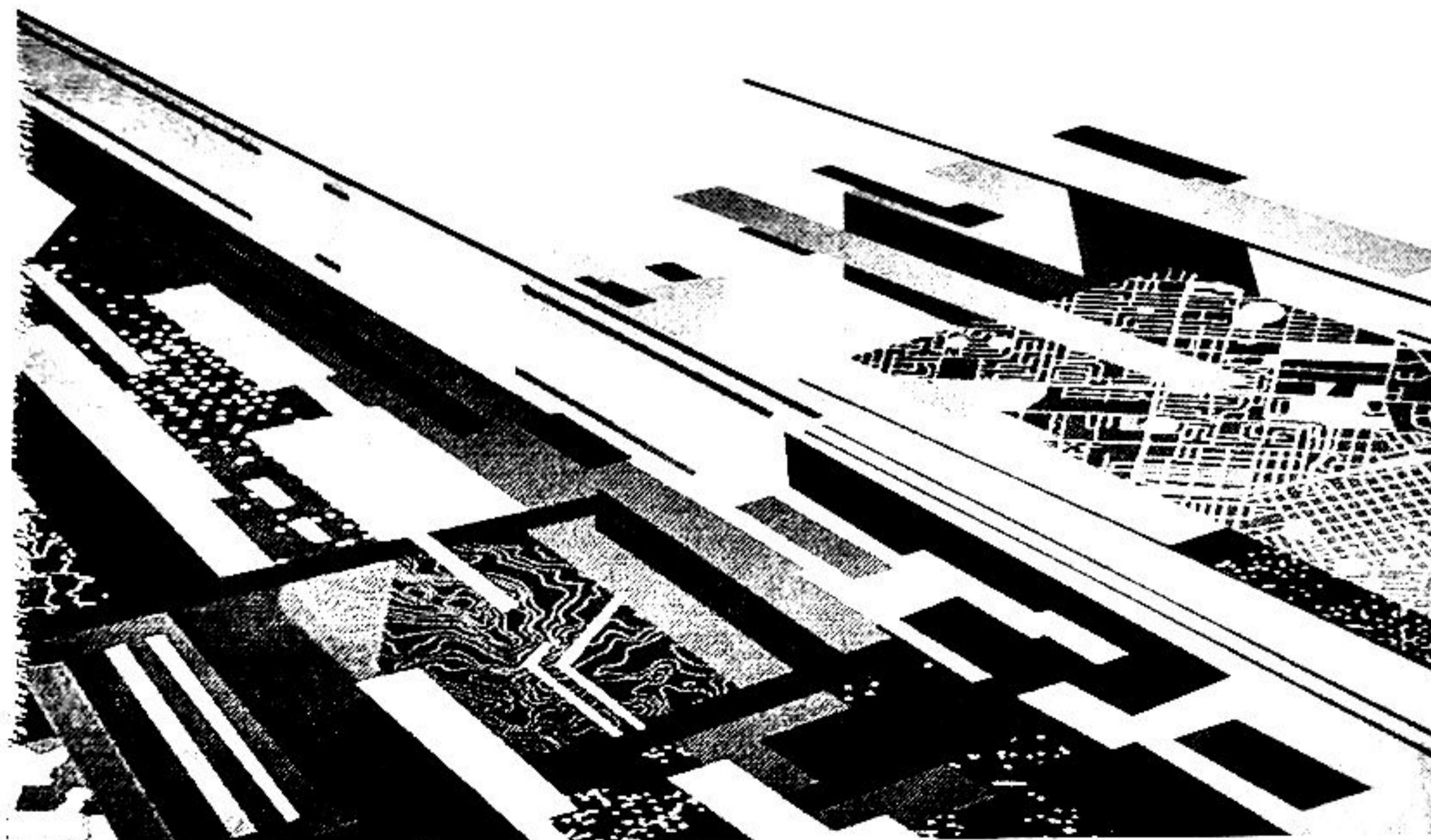
ZIMBABWE NATIONAL FAMILY PLANNING COUNCIL

Solution Development Proposal: Toll Free Service Tracking System

PRIMARY CONTACTS

Simba Musonza
Stratagen Capital Resources
Cell: +263772235931 | Tel: +2638677106440
eMail: simba@stratagencapital.com

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Stratagen Capital Resources
Cell: +263772286561
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TERMS & CONDITIONS OF USE OF THIS DOCUMENT

This document is shared in confidence by Stratagen Capital Resources with the Zimbabwe National family Planning Council (ZNFPC).

Stratagen reserve the rights of use of this document and its contents. We kindly request that ZNFPC do not share the proposal and ideas contained herein as a whole or in part with any other party without prior agreement with Stratagen.

Stratagen will not share any data or information received from ZNFPC as part of this proposal compilation or any other agreements and/or correspondences with ZNFPC with any third party without written permission from ZNFPC.

For any queries, please contact:

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Tel: +2638677106440

Cell: +263772235931 / +263714290213



www.stratagencapital.com

1 ABOUT US

Established in 2007 in Zimbabwe, Stratagen (formerly Integral-Edge Systems Design) is a modern *Technology Solutions and Enterprise Resourcing* firm that consults for businesses, governments and development aid agencies to implement inclusive and collaborative Data, Information & Knowledge systems for enhancing operations, solving problems more proactively, and discovering and pursuing growth opportunities. Through our offices in Harare and Johannesburg, we have successfully served a multi-sectoral client base in Zimbabwe, South Africa, Lesotho, Zambia, Botswana and Tanzania.

We provide our clients with the following core consulting services:

- Enterprise Information Systems Development & Implementation
- Geographic Information Systems (GIS) and Location Intelligence Services
- Data Services & Informatics (*Remote Sensed, Field Captured & Aggregated*)
- Enterprise Projects Management & Resourcing

In Zimbabwe, Stratagen has extensive experience in developing, deploying, training and capacity building for spatial information, services and projects management systems that have connected 65 districts (including all 60 RDCs), 11 government ministries and dozens of NGOs. This has been facilitated through our partnerships with particularly the Ministry of Local Government, the Ministry of Lands, Agriculture, Fisheries, Water & Rural Resettlement, the Ministry of Health as well as development partners like UNICEF, UNDP, SNV, USAID and CAFOD.

Based on our extensive experience delivering similar solutions, Stratagen wishes to submit this document as a brief preliminary proposal on how we can develop and deliver the Toll-Free Service Tracking Tool required by the Zimbabwe National Family Planning Council (ZNFPC).

2 OUR UNDERSTANDING OF THE NEEDS & OPPORTUNITIES

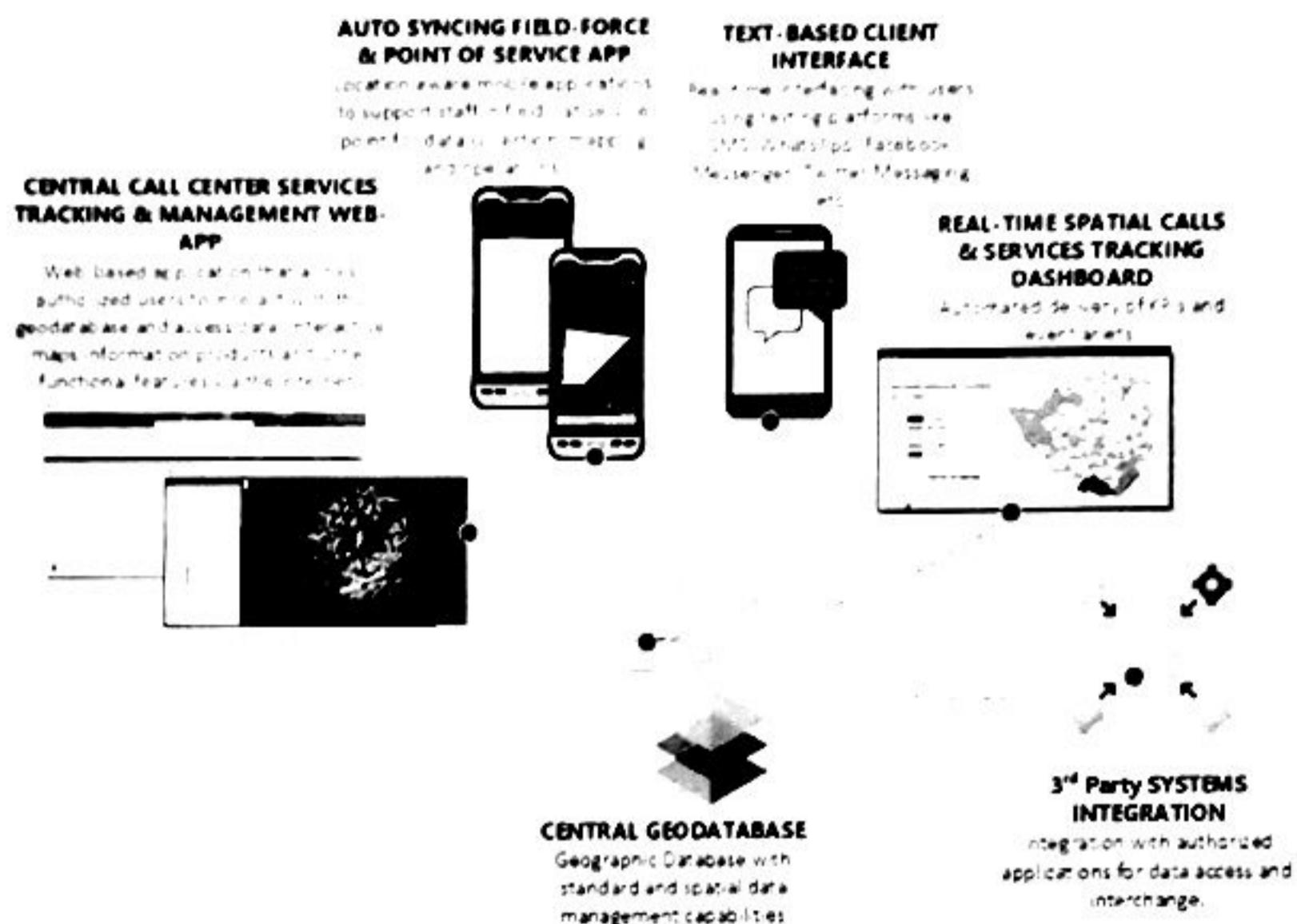
We are the builders of spatially intelligent Data, Information and Knowledge Platforms (DIK Platforms) that enhance the capacity of governments and development aid agencies to deliver impactful aid and drive for sustainable development. Based on our extensive experience working on projects of this nature in Zimbabwe, we understand that the key to unlocking success in the development sector is having in place the apt real-time systems that enable effective data management, inclusive stakeholder engagement, and precise and rapid response servicing.

3 SOLUTION PROPOSITION

Over the last decade, Stratagen's systems development team has developed and maintained the Unified Development GIS (UD-GIS) for Zimbabwe as a connected base platform and framework for rapidly implementing and deploying customizable spatial information and services management systems for the government and development aid sector of Zimbabwe - with scalability and remote accessibility as key considerations. On this platform, we are currently running several systems that are being used in sectors that include WASH, mining, Urban Local Authorities management, agriculture, health, land management and infrastructure development management.

We propose to implement the Toll-Free Service Tracking system required by ZNFPC and its stakeholders as a unified and connected set of components on our UD-GIS platform. The system will be modelled to ZNFPC needs and specifications to deliver a solution to enable the seamless connection between ZNPFC staff and clients (in both rural and urban settings), effective service needs and impact measuring, real-time response servicing and insights tracking. The solution will be implemented as a geographic information system, as illustrated in the following diagram.

For this solution, Stratagen will be able to provide end-to-end services that include needs and opportunities analysis, system design, product development, documentation, multi-stakeholder capacity building, and user training and support on contract.



The system components will be implemented as follows:

- I. **Central GeoDatabase:** a server-based database with spatial data processing capabilities will be modelled and implemented specific to the data and information requirements of ZNFPC.
- II. **Central Call Center Services Tracking & Management Web-App:** this is the central web application that authorized users will use to log, track and manage client interactions and service needs/delivery.
- III. **Auto Syncing Field-Force Point of Service App:** an android based application for field-based staff and those at points of service to record and map their work, surveys and interactions with clients remotely even where there is no internet access.
- IV. **Text-Based Client Interface:** a text-based flow service that we can integrate for capturing data and responding to client needs via SMS, WhatsApp, Facebook Messenger, Twitter Messaging etc. This will make use of automated chat-bots that we will set up under our AutoText platform.
- V. **Real-Time Spacial Calls & Services Tracking Dashboard:** a spatial KPIs tracker with automated alert triggering services. This dashboard will be available online as well as for installation/set-up on display units at the call centre or control rooms.
- VI. **3rd Party Systems Integration:** an API with endpoints for integrating with other data processing applications like DHIS.

4 DEVELOPMENT COST ESTIMATE

We have attached our cost estimate for the anticipated work effort for the analysis, design, development and deployment of the proposed solution.

5 CAPACITY STATEMENT

Stratagen has consulted for and partnered with government ministries and development aid agencies in implementing bespoke location intelligent Data, Information and Knowledge management systems for monitoring, evaluation and service delivery management. We have successfully delivered similar solutions in Zimbabwe, Lesotho, Tanzania, Botswana and Zambia in the key development sectors of WASH, Health & Nutrition, Education, HIV & AIDS, Mining, Agriculture & Food Security, Water Resources and Migration, Housing & Settlements tracking. Our solutions delivery framework is particularly crafted to deliver systems of:

- I. Continuous and coordinated records keeping
- II. Inclusive engagement
- III. Real-time response servicing
- IV. Shared insights

In October 2016, one of our company directors (Simba Musonza) was nominated by UNICEF for recognition as one of the top global 100 young innovators for ICT based development solutions and was invited to give his presentation on *Driving Impactful Aid & Sustainable Development through Data, Information & Knowledge Platforms* at the Innovation Summit in Helsinki, Finland.

The footprint of systems that we have developed and deployed in Zimbabwe virtually goes nationwide, with particular note being of our Rural WASH Information & Services Management System (RWIMS – <http://app.stratagencapital.com/rwims>). This system has greatly improved M&E and interventions management in the WASH sector of the country by connecting all 60 rural district councils to central government and WASH sector partners (like UNICEF, SNV, World Vision, Red Cross, IMO, CAFOD) and financiers like DFID, USAID etc. RWIMS is a versatile internet and SMS interfaced geographic information system that enables the government of Zimbabwe and NGO agencies to effectively partner in developing and maintaining WASH infrastructure while pro-actively responding to the evolving service delivery needs of the rural communities. More than 2,500 government extension workers have been deployed with the RWIMS FieldForce mobile application for continuous field mapping and data collection. Rural residents are also able to use the SMS and WhatsApp based chat-bot of the system to report on developments and issues in their areas. This platform has seen more than 2 million households, 13,000 schools, 1,400 health centres and over 45,000 businesses and other institutions in rural Zimbabwe stay connected to their service providers for the betterment of their WASH infrastructure and services. RWIMS was awarded the DevEx Million Lives Club recognition in ICT solutions for sustainable development in 2020.

6 CLOSING REMARKS

This proposal has been compiled and submitted by Stratagen Capital Resources based on the requirements stated in the terms of reference documents emailed to us by ZNFPC, as well as our experience and insights gained working on similar projects.

The methodology, designs, plans and financial proposal stated herein remain open to revision and finalisation as we anticipate learning more about the project requirements, opportunities and constraints.

The Author-Representative shall acknowledge ultimate ownership and retain the right to publish or edit material. The Author(s) retain(s) all other rights to reproduce and disseminate the material without the prior expressed written option.

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CONSULTING WORK EFFORT COSTING SCHEDULE

CLIENT NAME: Zimbabwe National Family Planning Council
 PROJECT TITLE: Toll-Free Service Tracking System Development
 CURRENCY: US\$

DATE OF ESTIMATE: 07-JA-21
 ESTIMATE VER: 1.0
 PROJECT START: TBA
 PROJECT END: TBA



REF	ITEM / WORK ACTIVITY	DESCRIPTION	UNIT TYPE	RATE PER UNIT (US\$)	UNIT QTY	TOTAL LINE BILL (US\$)
01	Solution Needs & Opportunities Gathering and Analysis		Man-Days	280.00	5	1,400.00
02	Central GeoDatabase Development		Man-Days	280.00	8	2,240.00
03	Call Centre + Services Tracking Web & Field Force Mobile App Development		Man-Days	280.00	15	5,040.00
04	Chatbots design for SMS, WhatsApp & Social Media Integration		Man-Days	280.00	5	1,400.00
05	Stratagen AutoServe AI ChatBot Annual License (can be adjusted based on contact volumes)		Annual License	1,125.00	1	1,125.00
06	Call Center & FieldForce User Training		Man-Days	280.00	5	1,400.00
07	2 Months Post Deployment Support (Recommended)		Lumpsum	2,200.00	1	2,200.00
08						0.00
09						0.00
10						0.00
11						0.00
12						0.00
13						0.00
14						0.00
15						0.00
16						0.00
17						0.00
18						0.00
19						0.00
20						0.00

PLEASE NOTE: -This budget schedule is valid for 30 days from the stated date of estimate.
 -Fees are stated in United States Dollars currency.

SUB-TOTAL:

24,805.00

ZIMBABWE

Form No. C.R. 14

Section 187 and 330 of Act
Section 27 of Regulations

No. of Company: 27166/2007

**COMPANIES ACT
(CHAPTER 24:03)**



Particulars (a) of Register of Directors and Secretaries
and of any changes therein

or

A list (a) of Directors and Principal Officer of a Foreign
Company

Name of Company **STRATAGEN CAPITAL RESOURCES (PRIVATE) LIMITED**

To The Registrar of Companies.

HARARE

Presented for filing by NYABAZZO CHIRISA
 13 CHERRY AVENUE, LOCHINVAR
 HARARE

09 NOV 2019

90355005

Particulars (a) of Directors

and Secretaries/Principal Officer

STRATAGEN CAPITAL RESOURCES (PRIVATE) LIMITED

STRATAGEN CAPITAL RESOURCES (PRIVATE) LIMITED

THEREIN

1. Date of Appointment	2. Present Christian Names And Surname			4. Any Former Names	5. Full Residential or Business Address and Postal Address	6. Particulars of other Directorships (if any)	7. Nature of Change (a)	8. Change(s) Date of Occurrence	9. Date of Company Notified of Change (b)
	Nationality	Any Former Names	Any Former Names						
(b) 24/10/2017	Director(s) Ltd	ZIM	NIL	KURAL KINGSLY 07-102662-J-67	36 DEVON ROAD, AVONDALE WEST, HARARE		NO CHANGE		
27/11/2019	TAWANDA MAMBO 15-108825-V-25	ZIM	NIL		2 COVENTRY ROAD, GRYSTONE PARK, HARARE		NO CHANGE		
27/11/2019	SIMBARASHE MUSONZA 09-1220882-11-22	ZIM	NIL	Secretary (d) Or Financial Officer (e)	AMBROSE PLACE, 85 JOSIAH CHINAMANO AVENUE, HARARE	NEW APPOINTMENT	27/11/2019	27/11/2019	
27/11/2019	KURAL KONGLEY 07-102662-H-67	ZIM	NIL		36 DEVON ROAD, AVONDALE WEST, HARARE		NO CHANGE		

NOTES

- (a) A complete list of the existing directors should always be given.
- (b) This date should always be shown, whether or not it is in respect of an old or new appointment.
- (c) In the case of a foreign company, if the director is a corporate body, its name and the situation of its principal office must be shown.
- (d) In the case of the secretary being a corporate body, the name and the situation of its registered office must be given.
- (e) In the case of the principal officer being a corporate body or partnership, the corporate or partnership name must be shown, and, if it is a partnership, all the names of the partners must be given.
- (f) In the case of an individual, if he is a director of any other company registered in this country, the name of every such company must be entered. This applies only in respect of new companies.
- (g) If "Resigned", "Retired", "Died", or as the case may be. In the case of a new appointment since the last list was filed, it must be stated here in whose place or whether additional.
- (h) Give the date of the occurrence referred to in the previous column. Both columns 8 and 9 must be completed in the event of a change.
- (i) This is regarded as the effective date of the entry in the register.

H. Kester
.....(signed)

Director/Secretary/Financial Officer

This ...27... Day of ..NOVEMBER.. 2019

Receipt No. 0611190 "Officer Copy"
\$10 000

No.
27166/2007

CERTIFIED A TRUE COPY
23-07-2013

No. 088222

REGISTRAR OF COMPANIES

CERTIFIED A TRUE COPY

M. Mhlangwa,
REGISTRAR OF COMPANIES



ZIMBABWE

REGISTRAR OF COMPANIES

21 OCT 2007

P.O. BOX CY 177, CAUSEWAY
ZIMBABWE

Certificate of Incorporation

STRATAGEN CAPITAL RESOURCES (PRIVATE) LIMITED

I hereby Certify that.....

is this day incorporated under the Companies Act [Chapter 24:03] and that the
Company is Limited.

HARARE

Given under my Hand and Seal at
24TH OCTOBER 07
this day of , 20.....

R. M. Mhlangwa
Registrar of Companies

ZIMBABWE

Form No. C.R. 6

Section 112 and 331 of Act
Section 19 of Regulations

COMPANIES ACT (CHAPTER 24:03)

No. of Company 27186 /2007

Notice of Situation and Postal Address of a Company's Registered Office or of a Foreign Company's Principal Place of Business, and of any change thereto.

Name of Company STRATAGEN CAPITAL RESOURCES (PRIVATE) LIMITED

TO THE REGISTRAR OF COMPANIES,
HARARE

REGISTRAR OF COMPANIES

HARARE

2 OCT. 2007

P.O. BOX CT 177, CAUSEWAY

The above-mentioned company hereby gives you notice that the registered office/principal place of business of the company -

(a)(i) *is/was situated at 1ST FLOOR, BUSH
HOUSE, HARARE.

and

(ii) the postal address* is/was at ...
(iii)

(b) has been changed from the above address to

- (i) situation at
(ii) postal address at.

with effect from DATE OF INCORPORATION.

.....
(Signed) DIRECTOR/SECRETARY/CHIEF AGENT

This 15TH OCTOBER 2007.

Presented for filing by:

*Delete whichever is inappropriate.

To be completed only in the event of a change of address.

NOTES: - (a) In the case of a change of address, this form must be submitted to the registrar BEFORE the proposed change takes place.

(b) If the registered address of a company has been altered by a public authority, so that the changed address designates the same premises as before, no fee will be charged if the registrar is satisfied as to the facts and the name of the authority which ordered the change as stated on the form.

15 OCT 2007



Zimbabwe Revenue Authority

Tax Clearance Certificate (ITF263)

Tax Year Ending 31 December 2021

Stratagen Capital Resources Stratagen

Business Partner Number: 0200255451

Your Tax position is Satisfactory. No 10% tax should be withheld

Clearance issued on 02/08/2021 at 19:41:29 valid until 12/31/2021

Authentication code: WFFM.1QZD.SJB7.OZ1D

The authentication and validity of this certificate must be validated on
ZIMRA page at: <http://efiling.zimra.co.zw>



INTERNAL REQUISITION

65207

ZIMBABWE NATIONAL FAMILY PLANNING COUNCIL

HEAD OFFICE

DATE 25/06/21

FROM	Ordered by <i>Wolpe</i> Signature	Send to:	To be charged or issued to <i>PLAN</i>	Authorised 1. <i>M. K. Reddy</i> 2. <i>Chikoko</i>
E.P.U Your Order No.	W.C.H.I.T.E Name (Print)	BUDING INTERNATIONAL		
ITEM	UNIT OF ORDERED	QUANTITY ORDERED	QUANTITY ISSUED	PRICE
Request for payment of Consultant on the development of toll free line data collection tool, database, upload the tracking tool to all machines in the call centre.com and also link social media platforms to the tracking tool				
REMARKS TOLL FREE SERVICE TRACKING TOOL DEVELOPMENT				



TOLL FREE SERVICE TRACKING TOOL DEVELOPMENT

1. BACKGROUND

Ensuring access to family planning information, services, and commodities is essential to protecting the health and well-being of women, families, and societies as a whole. Toll-free numbers provides confidential, accurate family planning information, and refers potential users to the confiance network of family planning clinics, outreaches and pharmacies. With the advent of Covid 19 and economic hardships, a significant number of FP and SRH clients are failing to access services. Introducing a toll free number will help the needy and those unable to travel to service delivery points by simply dialling the toll free number and get assistance from qualified and relevant personnel. A toll-free number comes with various useful features such as call recording, call monitoring, and data analytics. These features can provide comprehensive programmatic insights to the organisation for better decision making. ZNFPC is therefore seeking for a competent organization/ individual to develop a tracking tool for a call centre service which will be installed at the organisation's HQ.

2. PURPOSE OF THE TRACKING TOOL

The goal of developing a tracking tool is to accurately measure the efficiency of the call centre.

The objectives of developing such a tracking tool include to;

- Recording the number of clients who are served through the call centre.
- Capture the demographic information of each client necessary for improved service provision

- Track the effectiveness of the organisation's marketing strategies
- Capture the levels of service delivery and client reach by the organisation

3. SCOPE OF WORK

Under supervision of the Director Technical Services, the consultant will undertake the following tasks and activities:

- Develop an interface of the data collection mechanism and purposes for calling;
- Create a data base of clients' demographic information
- Upload the tracking tool to all machines to be used in the call centre room
- Link social media platforms to the tracking tool

4. Expected results:

By the end of the exercise, the organisation should be able to:

- ✓ Collate the number of clients who used the toll free number within a given period of time
- ✓ Track the services offered to clients via the toll free number
- ✓ Analyse the data collected
- ✓ Use the collected data for programming purposes

5. Qualifications

The Lead Trainer must provide the following qualifications and experience:

1. Masters Degree in the following relevant areas; Computer Programming, Public Health, GIS, Statistics or Social Science with demonstrable experience in Data base development
2. A registered organisation with proven experience in research and data analysis of health programmes
3. Strong appreciation of family planning programming
4. At least 5 years of professional experience in public health research and tools development
5. Experience and knowledge of other statistical software programs
6. The Consultant should be able to maintain deadlines and confidentiality;

6. KEY DELIVERABLES FOR THE CONSULTANT

- A detailed tool containing all data variables to be captured
- Details of the training schedule
- A budget proposal for the tool development and the justification of the costs.
- Profile of the organization, including organization's certificate of incorporation, physical address, and contacts (telephone and email);
- Evidence of organization's experience and involvement in similar task, as well as documented history of delivering related services in Zimbabwe or outside the country. Experience in health programmes especially working with DHIS data will be an added advantage.
- Post installation support to the M&E personnel on the use of the software

7. TIME FRAME

The consultancy is expected to carry out and complete the task within 5 working days in July 2021

8. APPLICATION PROCEDURE

Interested Consultants need to submit the following:

- Detailed resume
- Two (2) page proposal indicating proposed methodology, budget and timelines

9. SUBMISSION OF APPLICATIONS/CLOSING DATE

Deadline: 09 July, 2021

Submit in a sealed envelope marked "Consultancy – Toll Free Tool Development" to:

Or email to psirewu@znfpc.org.zw, marked "Consultancy – Toll Free Tool Development" in the subject line. (*Submit all attachments in PDF or Doc formats*)

Scoring Sheet for the Consultant to Develop a Toll Free line Tracking Tool

- 1. A holder of a Masters Degree in the following relevant areas; Computer Programming, Public Health, GIS, Statistics or Social Science with demonstrable experience in Data base development.**
- 2. Proven experience in research and data analysis of health programmes as a Lead**
- 3. Proven experience in Experience in public health research, tools and database development**
- 4. Experience and knowledge of other statistical software programs**
- 5. Understanding of TORs and processes for tools and data base development requirements.**

1. Highest Qualifications of Consultant	At least a Master's Degree in Computer Programming, Public Health, Statistics, Social Sciences, or GIS. A PhD in the stated fields is added advantage	At least a Bachelor's Degree in Computer Programming, Public Health, Statistics, Social Sciences, or GIS.	At least a Diploma or Certificate in Computer Programming, Public Health, Statistics, Social Sciences, or GIS
	10 Points: Relevant masters + relevant degree - 10p; relevant masters + relevant degree - 8p; relevant masters + irrelevant bachelors - 7p; irrelevant masters + relevant bachelors-5p and irrelevant masters + irrelevant bachelors - 2p	5 Points: relevant bachelor, irrelevant bachelors only - 0 pts	1 Point
2. Experience in Research and data analysis of health programmes as a Lead	4 assignments and above (international assignment - 2 points plus)	2- 3 assignments	1 and less assignments
	10 Points	3 assignments - 7 pts, 2 assignments - 4 pts	1 assignment 2 pts
3. Experience in public health research, tools and database development	3 assignments & above OR 5 years plus experience	2 assignments OR less than 5 of years experience	1 and less assignments
	5 Points	3 pts	2 Points

4. Experience and knowledge of other statistical software programs	At least statistical software programs known	1 statistical software program known	No other statistical software programs known
5. Understanding of TORs and processes for training requirements	Understanding (quality of proposal) and 2 samples of work done	Understanding (quality of proposal) and < 2 samples of work done	Poor Understanding (quality of proposal), poor, irrelevant or no sample of work done
	Good understanding + at least 2 quality samples - <u>10 Points</u> ; Poor understanding but 2 quality samples - <u>3 pts.</u>	Good understanding + 1 quality sample - <u>6 Points</u> . Good understanding but no quality sample - <u>2 pts.</u> . Poor understanding but quality sample - <u>1 pt</u> .	1 Points
6. Budget	Budget available and within range	Budget available but out of budget range	Budget not available
	3 points	2 points	0 points

Assessor I

Scoring Sheet for the Consultant to Train M&E Personnel in Geographic Information System (ODK)

Name of Consultant	1. Highest Qualifications of Consultant	2. Experience in research and data analysis of health programs as lead	3. Experience in public health research, tools and database development	4. Experience and knowledge of other statistical software programs	5. Understanding of TORs and processes for training requirements	6. Budget	Total - Max = 53 Points	Comments
1 ANKSY'S	8	6	4	4	8	0	32	
2 SUMINOCGAN	8	10	5	5	8	0	36	Recommended.
3 NALOU. D	5	7	4	3	5	0	24	
4 STRATEGEN	1	9	4	4	9	2	29	
5 TBCIA	8	5	5	4	8	2	32	
Name of Designated Assessor:	DONAKA DUBE							
Name of Organisation:	ZNPPC							
Signature:								
Date:	08	07	21					

Scoring Sheet for the Consultant to Develop a Toll Free line Tracking Tool

<p>1. A holder of a Masters Degree in the following relevant areas; Computer Programming, Public Health, GIS, Statistics or Social Science with demonstrable experience in Data base development</p>			
<p>2. Proven experience in research and data analysis of health programmes as a Lead</p>			
<p>3. Proven experience in Experience in public health research, tools and database development</p>			
<p>4. Experience and knowledge of other statistical software programs</p>			
<p>5. Understanding of TORs and processes for tools and data base development requirements.</p>			
<p>1. Highest Qualifications of Consultant</p>	<p>At least a Master's Degree in Computer Programming, Public Health, Statistics, Social Sciences, or GIS. A PhD in the stated fields is added advantage</p>	<p>At least a Bachelor's Degree in Computer Programming, Public Health, Statistics, Social Sciences, or GIS</p>	<p>At least a Diploma or Certificate in Computer Programming, Public Health, Statistics, Social Sciences, or GIS</p>
<p>10 Points: Relevant masters + relevant degree - 10p; relevant masters+ irrelevant bachelors - 7p; irrelevant masters + relevant bachelors-5p and irrelevant masters + irrelevant bachelors - 2p</p>	<p>5 Points: relevant bachelor, irrelevant bachelors only - 0 pts</p>	<p>1 Point</p>	
<p>2. Experience in research and data analysis of health programmes as a Lead</p>	<p>4 assignments and above (international assignment - 2 points plus)</p>	<p>2- 3 assignments</p>	<p>1 and less assignments</p>
<p>3. Experience in public health research, tools and database development</p>	<p>3 assignments & above OR 5 years plus experience</p>	<p>2 assignments OR less than 5 of years experience</p>	<p>1 and less assignments</p>
	<p>5 Points</p>	<p>3 pts</p>	<p>2 Points</p>

4. Experience and knowledge of other statistical software programs	At least statistical software programs known	1 statistical software program known	No other statistical software programs known
5. Understanding of TORs and processes for training requirements	Understanding (quality of proposal) and 2 samples and above of work done	Understanding (quality of proposal) and < 2 samples of work done	Poor Understanding (quality of proposal), poor, irrelevant or no sample of work done
	Good understanding + at least 2 quality samples - 10 Points; Poor understanding but 2 quality samples - 3 pts.	Good understanding + 1 quality sample - 8 Points; Good understanding but no quality sample - 2 pts; Poor understanding but quality sample - 1 pt	1 Points
6. Budget	Budget available and within range	Budget available but out of budget range	Budget not available
	3 points	2 points	0 points

Assessee 2

Scoring Sheet for the Consultant to Train M&E Personnel in Geographic Information System (ODK)

Name of Consultant	1. Highest Qualifications of Consultant	2. Experience in research and data analysis of health programs as a Lead	3. Experience in public health research, tools and database development	4. Experience and knowledge of other statistical software programs	5. Understanding of TORs and processes for training requirements	6. Budget	Total - Max = 53 Points	Comments
BRIAN NOLAN	5	6	3	3	6	0	23	
WESTON GUNNISON	9	10	4	5	9	0	36	
TBGA	6	6	4	3	7	2	32	
ANALYSTS MIXED	8	9	5	4	8	0	34	
STAKEHOLDERS	2	8	3	4	9	2	28	
Name of Designated Assessor:	Arifed Zaman SITC							
Name of Organisation:	ZMFC							
Signature:								
Date:	08/07/21							

Recommended

Scoring Sheet for the Consultant to Develop a Toll Free line Tracking Tool

<p>1. A holder of a Masters Degree in the following relevant areas: Computer Programming, Public Health, GIS, Statistics or Social Science with demonstrable experience in Data base development</p> <p>2. Proven experience in research and data analysis of health programmes as a Lead</p> <p>3. Proven experience in Experience in public health research, tools and database development</p> <p>4. Experience and knowledge of other statistical software programs</p> <p>5. Understanding of TORs and processes for tools and data base development requirements</p>			
1. Highest Qualifications of Consultant	At least a Master's Degree in Computer Programming, Public Health, Statistics, Social Sciences, or GIS. A PhD in the stated fields is added advantage	At least a Bachelor's Degree in Computer Programming, Public Health, Statistics, Social Sciences, or GIS	At least a Diploma or Certificate in Computer Programming, Public Health, Statistics, Social Sciences, or GIS
	10 Points: Relevant masters + relevant degree - 10p; relevant masters + relevant bachelors - 8p; relevant masters + irrelevant bachelors-5p and irrelevant masters + irrelevant bachelors - 2p	5 Points: relevant bachelor; irrelevant bachelors only - 0 pts	1 Point
2. Experience in research and data analysis of health programmes as a Lead	4 assignments and above (international assignments - 2 points plus)	2-3 assignments	1 and less assignments
	10 Points	3 assignments - 7 pts, 2 assignments - 4 pts	1 assignment 2 pts
3. Experience in public health research, tools and database development	3 assignments & above OR 5 years plus experience	2 assignments OR less than 5 of years experience	1 and less assignments
	5 Points	3 pts	2 Points

4. Experience and knowledge of other statistical software programs	All least statistical software programs known	1 statistical software program known	No other statistical software programs known
5. Understanding of TORs and processes for training requirements	Understanding (quality of proposal) and 2 samples and above of work done	Understanding (quality of proposal) and < 2 samples of work done	Poor Understanding (quality of proposal), poor, irrelevant or no sample of work done
6. Budget	Budget available and within range	Budget available but out of budget range	Budget not available

Assessor 3

Scoring Sheet for the Consultant to Train M&E Personnel in Geographic Information System (ODK)

Name of Consultant	1. Highest Qualifications of Consultant	2. Experience in research and data analysis of health programs as a Lead	3. Experience in public health research, tools and database development	4. Experience and knowledge of other statistical software programs	5. Understanding of TORs and processes for training requirements	6. Budget	Total - Max = 53 Points	Comments
DAVID N DHOHN	5	7	4	3	5	0	26	
WELSTEAD GOMMUSOOGA	8	9	5	5	10	0	37	Recommended
TBGA	7	6	3	3	8	2	29	
ANIXSYS ART H	8	7	5	4	8	0	32	
STRATEGEN	1	4	3	4	9	2	27	

Name of Designated Assessor:	M. Aduwya Sam
Name of Organisation:	Znfpe
Signature:	
Date:	08/07/2021