

# COMPANY PROFILE



Room 200 CEDAT (Old Building), Makerere University

P.O. Box 26690, Kampala – Uganda

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Web Site: [www.teco.co.ug](http://www.teco.co.ug)

## 2020

## 1. INTRODUCTION OF THE CONSULTANT

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### 1.1 Introduction

Technology Consults Ltd (TECO) is an independent limited liability company based in the College of Engineering, Design, Art and Technology, Makerere University. The majority of its shareholders are members of staff in the College. Incorporated in 1992, it was a result of realisation by staff members that while many of them were practising individually off-campus, they would make a synergetic combination if they combined their wide range of expertise and experience under one umbrella. A tradition of academic thoroughness has therefore been combined with professional experience to produce a company whose culture is verbalised by the motto: **Quality and Efficiency.**

With the College of Engineering, Design, Art and Technology offering Courses in Architecture, Surveying, Electrical, Mechanical and Civil Engineering and also Courses in Quantity and Valuation Surveying, Members of Staff quickly realised that they can provide complete consultancy services for any building and civil engineering project with little or no input from external consultants. However in order to synthesize with the consultants in the private sector and to gain additional practical experience, TECO has been working with a network of associated Consultancy Firms on different projects. TECO is conscious of the need to continuously strive for quality in order to retain its customers and build its customer base. That is why TECO has engaged in a major exercise of training and producing manuals for Total Quality Management, sponsored by the Business Uganda Development Scheme (BUDS) of the Private Sector Foundation. Updated information about TECO can also be conveniently accessed at [www.teco.co.ug](http://www.teco.co.ug)

The width and depth of experience is evident from the CVs. TECO is facilitated in its efficiency of delivery by being fully computerised in all phases of project delivery, and having a wide consultant base (more than 25 in-house) which ensures that full deployment can be used for rapid delivery at design stages at no extra cost to the client. TECO has carried out more than 100 projects in Uganda with total project value of over UGX 100 billion construction cost and over UGX 30 billion as consulting fees. TECO's average turnover is UGX 2 bn/year. TECO enjoys considerable reputation in the infrastructure sector in Uganda for its timely, professional delivery of cost effective engineering consulting solutions, and an excellent understanding of local conditions.

TECO has successfully completed projects for leading international funding agencies such as the World Bank, The African Development Bank, Islamic Development Fund, DANIDA, NORAD, and SIDA/SAREC.

TECO is housed in a very spacious accommodation enabling expeditious production and delivery of assignments using some of the most modern equipment and software. It is fully computerised and owns engineering, architectural design programmes such as AutoCAD, PROKON, MATHCAD, ACHICAD, WATERWORKS, CIVILWORKS, MOSS as well as spreadsheet and word processing programmes. In addition TECO owns South African quantity surveying software which enables a faster production of Bills of Quantities. All members of staff at TECO are computer literate and regular users of professional programmes. TECO has extensive experience in carrying out feasibility studies/ needs assessments, preliminary designs, detailed designs, construction supervision, commissioning, and decommissioning of housing projects in Uganda.

## **1.2 Address**

The Consultant's address is:

**Technology Consults Ltd [TECO]**

P.O. Box 26690 Kampala, Uganda

Room 200 College of Engineering, Design, Art and Technology, Makerere University

Tel: 256 0414 540618/ Fax: 256 0414 542377

Email: [techcons@teco.co.ug](mailto:techcons@teco.co.ug)/ Website: [www.teco.co.ug](http://www.teco.co.ug)

## **1.3 Firm's Personnel**

TECO is a university based consulting firm with 95 shareholders, all of them current or former members of staff of the College, and is by far the largest consulting firm in Uganda and East Africa and probably Africa with over 140 consultants. TECO boasts of high calibre staff that are at par with the world's top consulting/research firms with over 30 PhD, others currently pursuing PhD's, over 80 Masters, and others graduates, in addition to other support staff. TECO also has a good network of other professionals and independent specialists based at the university who are hired at peak demand.

## **1.4 TECO's Organisational and Management Structure**

TECO shareholders are all current or former members of staff of the College of Engineering, Design, Art and Technology. Policy is set by the Board that consists of nine (9) members elected by the shareholders. The Company's organizational and Management Structure is illustrated below.

The following are the Directors of Technology Consults Ltd.

1. Eng. Dr. Henry Alinaitwe
2. Mr. Stephen Kayima
3. Arch. Dr. A. N. Musana
4. Arch. Dr. S. Mukiibi
5. Ms. Betty Kyakuwa
6. Eng. Dr. J.B. Kirabira
7. Dr. Anthony Gidudu
8. Dr. Moses Musinguzi
9. Prof. Eria Hisali

The Chief Executive Officer is Eng. Mugumya Peter



Figure 1 TECO's ORGANISATIONAL STRUCTURE

## **1.5 Scope of Services**

TECO provides consultancy services in the following areas:

- Architectural Planning
- Civil Engineering
- Mechanical Engineering
- Electrical Engineering
- Surveying
- Urban planning
- Construction management

With regards to specialised disciplines, TECO provides the following services:

- Architectural designs
- Electrical designs
- Mechanical designs
- Physical planning
- Land Surveying
- Water supply and sanitation
- Waste management
- Transportation engineering
- Traffic engineering
- Highway engineering
- Pavement engineering
- Environmental engineering
- Structural engineering
- Bridge engineering
- Building construction supervision
- Geotechnical engineering
- Independent laboratory testing

In addition to the above, TECO offers the following support services:

- Training
- Specialized engineering services
- Research and development
- Community mobilization
- Electrical engineering services
- Mechanical engineering services

## **1.6 TECO's Experience in the Office Buildings Sector**

TECO provides the following services in the office building sector:

- Feasibility studies
- Preliminary designs
- Detailed designs
- Preparation of tender documents
- Construction supervision
- Commissioning
- Decommissioning

## **1.7 Company Logistics**

The following logistics will be available for the project: office space, office equipment, field equipment, and computer software.

### **1.7.1 Office Space**

Technology Consults Limited will use its office space located at Faculty of Technology Building for this assignment. This location has adequate parking space for both staff and clients.

### **1.7.2 Office & Field Equipment**

Technology Consults Limited office is well serviced with modern communication facilities that include: 24 hour internet cable, dial-up internet service, fax line, phone line (landline, for each of the staff), mobile phone (for each staff), computers (for each staff), laptops (for most staff.), printers (for each staff/or shared), and scanners. The office also has adequate furniture (desks, tables, filing cabinets).

Our laboratory is equipped with state of the art equipment including the following:

- (i) Wide format Printers/Plotters.
- (ii) Master bill Quantity surveying software
- (iii) Win QS for quantity surveying software.
- (iv) Prokon for structural engineering
- (v) Universal Testing Machine (UTM-25) for both design and performance evaluation of bituminous mixture
- (vi) Bitumen Test Equipment like; Penetrometer, Viscosity tester, Ring and Ball test machines (softening point), Density testing machine, Laboratory oven & Water bath.

- (vii) Aggregate test equipment like; Los Angeles abrasion test, Aggregate stone value test, Gradation test, Soundness test assembly, Flakiness test, Skid resistant tester.

Technology Consult Ltd owns two double cabin pickups, station wagon for field work and four saloon cars for town service. We also have survey equipment like levels and total station. Staff have cars that can be used on project work under a reimbursable of costs arrangement.

### **1.7.3 Software**

Technology Consults Limited computers have the following computer software that will be using for this assignment:

- Ms Office 2013, Microsoft Publisher, Acrobat writer 5.0, and Microsoft Project 2013
- AutoCAD 2007, Arch CAD 10, Form Z
- Epanet 2.0
- Water Distribution Modelling [Loop]
- Watercad Haestad Methods
- Storm Water Management Model [EPA SWMM 5]Version 5.0 Beta F
- Accounting software



## **2. EXPERIENCE OF THE CONSULTANT**

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Over the past twenty eight years, TECO has handled a multiplicity of projects in the different technical disciplines normally as a one-stop centre, but also quite often in association with other firms. We have therefore built up both technical and project management experience sufficient to handle most, if not all, technical projects. It should be noted that while TECO is only twenty two years, many individual consultants now offering services under TECO have experience in excess of 35 years.

In line with its strategy of providing quality and efficiency, Technology Consults Ltd is a member of Uganda Association of Consulting Engineers. For purposes of highlighting the specific experience of TECO relevant to this job, as well as emphasizing our ability to execute this project, selected relevant jobs executed in the past ten years (successfully completed and ongoing), are summarized below:

### **2.1 Building Consultancy Services**

#### Commercial Buildings & Markets

1. Preparation of Master Plan and detailed design of Elegu Border Nucleus Market for Ministry of Cooperatives, Trade and Industries.
2. Project Managers, Proposed New Bank Headquarters Building for Centenary Rural Development Bank, on Plot 44-46 Kampala Road, USD 20 million, 18 stories.
3. Supervision of Construction of the Office of the Auditor General's building in Mbarara
4. Consultancy engineering services for design and construction supervision of Arua Main Market under MATTIP-1 Project.
5. Consultancy engineering services for design and construction supervision of Gulu Main Market under MATTIP-1 Project.
6. Supervision of Construction of new office block for Directorate of Water Resources Management- Entebbe, Ministry of Water and Environment
7. Civil/ Structural and Electro-Mechanical engineering consultancy services for the proposed Food Technology and Business Incubation Centre.
8. Design of Hostel Blocks at the Technology Business Incubator-Nyaruzinga, Bushenyi district for Presidential Initiative on Banana Industrial Development.

#### Hospital Buildings

1. Design and construction supervision of the referral hospital for Uganda Peoples' Defence forces in Bombo for Ministry of Defence.
2. Rehabilitation of Jinja and Soroti Referral Hospitals for Ministry of Health, funded by DANIDA DHSP.
3. Our staff supervised under the Health Sector Project – District Health Services Projects in Kabaale, Rukungiri and Kanungu Districts, 10 health centres, a project of approximately \$2 m on behalf of Ministry of Health, Uganda.
4. Proposed hospital for Joint Clinical Research Centre, Lubowa.
5. Design and Supervision of Construction of the Hospital on Plot 14A Akii-bua Road in Nakasero.

### Institutional Buildings

1. Design and Construction Supervision of Faculty of Energy, Mineral and Petroleum studies, Mbarara University-Kihumuro campus.
2. Design and Supervision of construction of Institute of Computer Science building, Makerere University.
3. Design and Supervision of construction of Faculty of Computing and Information Technology building, Makerere University.
4. Design and Supervision of construction of new building for Institute of Economics, Makerere University.
5. Design and Supervision of construction of new building for Department of Forestry, Makerere University.
6. Design and Supervision of construction of Makerere University Academic Registrar's Building.
7. Design and Supervision of Construction of New Building for Faculty of Technology, Makerere University
8. Design and Supervision of Construction of the Extension to the Main Library, Makerere University
9. Design and Supervision of Construction of the Students' Hostel block for Islamic University In Uganda, Mbale campus.
10. Design and Supervision of Construction of Business Studies Lecture Rooms at Kyambogo University.
11. New School complex for Kampala Parents School (Premier Academy Ltd.)
12. Faculty of Law building, Makerere University.
13. New building for department of Women and Gender Studies, Makerere

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**(All these projects involve opening up of boundaries, topographic surveys and geo-technical/ geological investigations)**

### **1.1 Preparation of Infrastructure Master Plans & Physical Development Plans**

1. Consultancy services for the development of master plan for institute of Certified Public Accountants Land at Lubowa
2. Consultancy services for survey and master plan development for the Industrial Technology Park in Sanga-Kiruhura District for Presidential Initiative for Banana Industrial Development.
3. Consultancy services for survey and master plan development for the Technology Business Incubator Nyaruzinga-Bushenyi District for Presidential Initiative for Banana Industrial Development.
4. Feasibility planning and preparation of master plan for the referral hospital for Uganda Peoples' Defence Forces in Bombo for Ministry of Defence.
5. Development of Infrastructure Master Plan for Makerere University
6. Development of Master Plan for Gayaza High School
7. Development of a master plan, design and Supervision of Construction of Mbarara Gatsby Trust Industrial Park for Gatsby Uganda.
8. Development of a master plan, design and supervision of construction of Jinja Business Park for Gatsby Uganda.
9. Development of a master plan, design and supervision of construction of the National Farmers' Federation Exhibition Center in Jinja.
10. Preparation of Structure and Detailed plans for Soroti, Kumi, Bukedea and Kaberamaido Urban Councils, under Ministry of Local Government in conjunction with Ministry of Lands, Housing and Urban Development.
11. Preparation of Structure and Detailed Plans for Moyo, Amuru, Adjumani, Yumbe and Koboko Urban Councils, under Ministry of Local Government in conjunction with Ministry of Lands, Housing and Urban Development.
12. Preparation of Structure and Detailed Plans for Aduku, Corner Kamdini, Karuma, Loro, Orum, Adwari and Kigumba Urban Councils, under Ministry of Local Government in conjunction with Ministry of Lands, Housing and Urban Development.
13. Preparation of Structure and Detailed Plan for Kaabong Urban Council.
14. Preparation of digitised map for Kyangwali Refugee Settlement in Hoima District.

**(All these projects involve prior preparation of base maps/ topographic surveys)**

## 1.2 Civil Works

### Roads Projects

1. Consultancy services for supervision of maintenance works for selected national roads (Package 6)
2. Review of designs for several roads in Uganda under the Backlog Road Maintenance Program (funded by the European Union)
3. Design and supervision of Luzira Industrial Park roads for Uganda Investment Authority
5. Road Designs for Namungoona Housing Estate (National Housing & Construction Co. Ltd)
6. Periodic maintenance of Masaka-Bukakata Road (34 km).
7. Periodic maintenance of Kafu-Nakasongola road (55km).
8. Supervision of Periodic maintenance Contracts Package II Northern roads (200 km).
9. Access road to Kyambogo University (8 km)
10. Repair and resealing of Kampala-Jinja road (24 km)
11. Repair and resealing of Kawempe-Wobulenzi road (42 km).
12. Major rehabilitation of Observatory Hill road, Makerere University (2 km).
13. Rehabilitation of Makerere University Roads (60 km).

### Water Projects

1. Consultancy services for feasibility studies, detailed engineering designs and preparation of tender documents for water supply and sanitation systems for selected 19 towns in Northern Uganda (Lots 1 & 2) for Ministry of Water and Environment.
2. Extension of Ssezibwa Self-Powered Pumping Water Supply Scheme to Kayanja-Namagunga Institutional community.
3. Consultancy services for feasibility studies, detailed engineering designs and preparation of tender documents for water supply and sanitation systems for selected 19 towns in Northern Uganda (Lots 1 & 2) for Ministry of Water and Environment.
4. Consultancy services for design of piped water supply and sanitation project for Ruhiira Millennium Village in Isingiro District for United Nations Development Program.
5. Consultancy services for development of institutional framework for equipment for water for production

### **1.3 Valuation Services**

1. Valuation of Various Makerere University Vehicles, Motorcycles, Photocopiers and other Equipment
2. Valuation of various unvalued items in the University Bookshop
3. Valuation of Non-Moving Stock (Materials and equipment) in the Makerere University Estates and Works Department

### **1.4 Surveying Services**

1. Katanga Valley, Land Physical Planning
2. Topographic Survey of Bulera Core PTC
3. Topographic Survey of Kabulasoke and Moroto PTCs
4. Topographic Survey of Kyangwali Refugee Settlement in Hoima District.
5. Surveying and Opening up of Katalemwa Boundaries, Makerere University.
6. Survey of Makerere University University land, Kabanyolo.


### **1.5 Expert Services**

1. Development of a Publicity and Advocacy program for Uganda National Association of Building and Civil Engineering Companies. (UNABCEC)
2. Development of Guidelines and Procedures for Systematic Demarcation and Training for Systematic Demarcation: Ministry of Water, Lands and Environment.
3. Technology Needs Assessment on Climate Change; Department of Meteorology, Ministry of Water, Lands and Environment.
4. Pre-feasibility study for the location of the Civil service College, Ministry of Public Service.

## FIRM'S EXPERIENCE

### MINISTRY OF FINANCE PLANNING & ECONOMIC DEVELOPMENT

#### Proposed New Office Building for the Office of the Auditor General in Moroto

<b>Assignment Name:</b> Supervision of Construction of the Office Block for the Office of the Auditor General (OAG) Moroto.	<b>Country:</b> Uganda
	
<b>Location within the Country</b> Moroto	<b>Professional Staff Provided by Firm</b> Architect, Structural & Civil Engineers, Electrical & Mechanical Engineers, Quantity Surveyor.
<b>Name of Client</b> Ministry of Finance, Planning & Economic Development (FINMAP II)	<b>No. of Staff</b> 7
<b>Address :</b> P.O. Box 20026, Kampala	<b>No. of Staff Months:</b> 7
<b>Start Date (Months/Year):</b> 2015 <b>Completion Date (Months/Year):</b> Ongoing	<b>Approx. Value of Services (in current U SHS):</b> UGX 272,456,100
<b>Name of Associated Firm(s) if any:</b> None	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> NA
<b>Name of Senior Staff (Project Manager/Coordinator, Team Leader) involved and functions performed:</b>	
<ol style="list-style-type: none"> <li>1. Project Manager/Team Leader Arch. Dr. B. Nawangwe</li> <li>2. Project Architect Arch. Dr. Stephen Mukiibi</li> <li>3. Structural / Civil Engineer Eng. Dr. JHenry Alinaitwe</li> <li>4. Electrical Engineer Eng. Dr. Vincent B. Kasangaki</li> <li>5. Quantity Surveyor Mr. C.I. Inyangat</li> <li>6. Mechanical Engineer Dr. B. Kariko-Buhwezi</li> </ol>	
<b>Narrative Description of Project:</b> Supervision of Construction of the Office Block for the Office of the Auditor General in Moroto	
<b>Description of Actual Services Provided by your Staff</b> Project management services covering Designs and Contract Supervision: preparation of interim certificates, instructions and details and Final Account.	

Firm's Name: TECHNOLOGY CONSULTS LTD

**FIRM'S EXPERIENCE****MBARARA UNIVERSITY****New Institute of Computer Science Block at Kihumuro Campus**

<b>Assignment Name:</b> Design Institute of Computer Science Building at Kihumuro Campus.	<b>Country:</b> Uganda
	
<b>Location within the Country</b> Mbarara-Bushenyi Road.	<b>Professional Staff Provided by Firm</b> Architect, Structural & Civil Engineers, Electrical & Mechanical Engineers, Land Surveyor & ICT Specialist.
<b>Name of Client</b> Mbarara University	<b>No. of Staff</b> 10
<b>Address :</b> P.O. Box 1410, Mbarara	<b>No. of Staff Months:</b> 12
<b>Start Date (Months/Year):</b> June 2016 <b>Completion Date (Months/Year):</b> Dec 2016	<b>Approx. Value of Services (in current U SHS):</b> <b>298,327,600</b> (Design only)
<b>Name of Associated Firm(s) if any:</b> None	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> NIL
<b>Name of Senior Staff (Project Manager/Coordinator, Team Leader) involved and functions performed:</b>	
<ol style="list-style-type: none"> <li>1. Project Manager/Team Leader Arch. Dr. S. Mukiibi</li> <li>2. Architect / Landscape designer Arch. Dr. A. Ndagenda Musana</li> <li>3. Structural / Civil Engineer Eng. Dr. Henry Alinaitwe</li> <li>4. Electrical Engineer Eng. Dr. Vincent B. Kasangaki</li> <li>5. Quantity Surveyor Mr. C.I. Inyangat</li> <li>6. Mechanical Engineer Dr. B. Kariko-Buhwezi</li> </ol>	
<b>Narrative Description of Project:</b> New ICS Block at Kihumuro Campus	
<b>Description of Actual Services Provided by your Staff</b> Brief Development, Outline Proposals, Scheme Design and Detailed Designs. Detailed working drawings, specifications, bills of quantities and other bidding documents.	

Firm's Name: TECHNOLOGY CONSULTS LTD

## FIRM'S EXPERIENCE

### NATIONAL WATER AND SEWERAGE CORPORATION

#### Design and Construction Supervision of NWSC Headquarter Building in Nakasero

<b>Assignment Name:</b> Design & Construction supervision of NWSC Offices in Nakasero.	<b>Country:</b> Uganda												
													
<b>Location within the Country</b> Kampala	<b>Professional Staff Provided by Firm</b> Architect, Structural & Civil Engineers, Electrical & Mechanical Engineers, Quantity Surveyor.												
<b>Name of Client</b> National Water & Sewerage Corporation	<b>No. of Staff</b> 7												
<b>Address :</b> P.O. Box 20526, Kampala	<b>No. of Staff Months:</b> 7												
<b>Start Date (Months/Year):</b> 2014 <b>Completion Date (Months/Year):</b> Ongoing	<b>Approx. Value of Services (in current U SHS):</b> UGX 357,865,680												
<b>Name of Associated Firm(s) if any:</b> None	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> NA												
<b>Name of Senior Staff (Project Manager/Coordinator, Team Leader) involved and functions performed:</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">1. Project Manager/T Leader</td> <td>Arch. Dr. B. Nawangwe</td> </tr> <tr> <td>2. Project Architect</td> <td>Arch. Dr. Asumpta N Musana</td> </tr> <tr> <td>3. Structural / Civil Engineer</td> <td>Eng. Dr. Henry Alinaitwe</td> </tr> <tr> <td>4. Electrical Engineer</td> <td>Eng. Dr. Vincent B. Kasangaki</td> </tr> <tr> <td>5. Quantity Surveyor</td> <td>Mr. C.I. Inyangat</td> </tr> <tr> <td>6. Mechanical Engineer</td> <td>Dr. B. Kariko-Buhwezi</td> </tr> </table>		1. Project Manager/T Leader	Arch. Dr. B. Nawangwe	2. Project Architect	Arch. Dr. Asumpta N Musana	3. Structural / Civil Engineer	Eng. Dr. Henry Alinaitwe	4. Electrical Engineer	Eng. Dr. Vincent B. Kasangaki	5. Quantity Surveyor	Mr. C.I. Inyangat	6. Mechanical Engineer	Dr. B. Kariko-Buhwezi
1. Project Manager/T Leader	Arch. Dr. B. Nawangwe												
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3. Structural / Civil Engineer	Eng. Dr. Henry Alinaitwe												
4. Electrical Engineer	Eng. Dr. Vincent B. Kasangaki												
5. Quantity Surveyor	Mr. C.I. Inyangat												
6. Mechanical Engineer	Dr. B. Kariko-Buhwezi												
<b>Narrative Description of Project:</b> Design and Supervision of Construction of the Office Block for NWSC in Nakasero													
<b>Description of Actual Services Provided by your Staff</b> Project management services covering preparation of designs and Contract Supervision: preparation of interim certificates, instructions and details and Final Account.													

Firm's Name: TECHNOLOGY CONSULTS LTD



## FIRM'S EXPERIENCE

### MINISTRY OF EDUCATION AND SPORTS

**Consultancy services for the needs assessment and preparation of designs, bills of quantities, bidding documents and provision of technical supervision to rehabilitate and expand National Teachers' Colleges in Kabale and Mubende for Ministry of Education and Sports – WORLD BANK Funded**

<p><b>Assignment Name:</b></p> <p>Consultancy services for the needs assessment and preparation of designs, bills of quantities, bidding documents and provision of technical supervision to rehabilitate and expand National Teachers' Colleges in Kabale and Mubende for Ministry of Education and Sports</p>	 <p>Proposed new Library Block at NTC Kabale</p> <p><b>Country:</b> Uganda</p>
<p><b>Location within the Country</b> NTC Kabale &amp; NTC Mubende</p>	<p><b>Professional Staff Provided by Firm</b> Education Specialist, Education Economist, Architect, Structural &amp; Civil Engineers, Electrical &amp; Mechanical Engineers, Land Surveyor &amp; ICT Specialist.</p>
<p><b>Name of Client</b> Ministry of Education &amp; Sports</p>	<p><b>No. of Staff</b> 10</p>
<p><b>Address</b> P.O. Box, Kampala</p>	<p><b>No. of Staff Months:</b> 09</p>
<p><b>Start Date (Months/Year):</b> December 2012 <b>Completion Date (Months/Year):</b> On-going</p>	<p><b>Approx. Value of Services (in current USD):</b> \$300,000</p>
<p><b>Name of Associated Firm(s) if any:</b> None</p>	<p><b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> 00</p>
<p><b>Name of Senior Staff (Project Manager/Coordinator, Team Leader) involved and functions performed:</b></p> <ol style="list-style-type: none"> <li>1. Arch. Dr. B. Nawangwe (Project Manager)</li> <li>2. Dr. Proscovia Namubiru (Education Specialist)</li> </ol>	
<p><b>Narrative Description of Project:</b> Needs assessment, Refurbishment &amp; reconstruction of NTCs Kabale &amp; Mubende</p>	
<p><b>Description of Actual Services Provided by your Staff</b> Needs assessment, Site Layout Plans, Brief Development, Preparation of Outline Proposals, Scheme Design and Detailed Designs. Preparation of detailed working drawings, specifications, bills of quantities and other bidding documents. Prequalification of Contractors and bid analysis and recommendation for award. Contract Supervision: preparation of interim certificates, issuing instructions and details and preparation of Final Account.</p>	

Firm's Name: TECHNOLOGY CONSULTS LTD

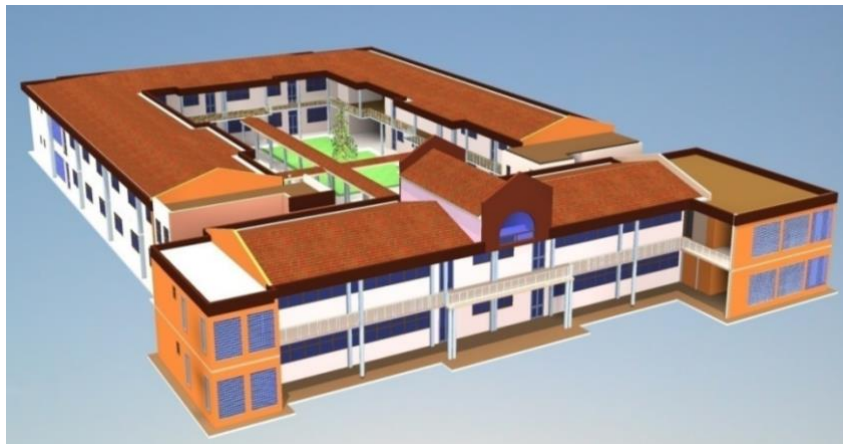
**ARTISTIC IMPRESSIONS FOR THE PROPOSED NEW BUILDINGS AT NTC KABALE AND NTC MUBENDE (FINAL DESIGNS APPROVED)**



**PROPOSED NEW LIBRARY BLOCK**



**PROPOSED ADMINISTRATION BLOCK AT NTC KABALE**



**PROPOSED LECTURER ROOMS AND LABORATORY COMPLEX**




**PROPOSED 2-BEDROOM STAFF APARTMENTS**

## FIRM'S EXPERIENCE

### INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS OF UGANDA

#### Survey, Mapping, Master Plan Preparation and Preliminary Designs for Buildings and External Works for the Development of ICPAU Land at Lubowa

<p><b>Assignment Name:</b></p> <p>Survey, mapping, master plan development, and preliminary design of buildings and External Works for ICPAU in Lubowa</p>	 <p style="text-align: center;">Proposed Administration Block for ICPAU</p>
<p><b>Location within the Country</b></p> <p>Wakiso District</p>	<p><b>Country:</b> Uganda</p> <p><b>Professional Staff Provided by Firm</b> Planners, Architect, Structural &amp; Civil Engineers, Electrical &amp; Mechanical Engineers, Land Surveyor, Land Economist, Environmental Specialist, Water Sanitation</p>
<p><b>Name of Client</b> Institute of Certified Public accountants of Uganda</p>	<p><b>No. of Staff</b> 08</p>
<p><b>Address :</b> Plot 42 Bukoto Street P. O. Box 12464 Kampala Uganda</p>	<p><b>No. of Staff Months:</b> 06</p>
<p><b>Start Date (Months/Year):</b> August 2012 <b>Completion Date (Months/Year):</b> February 2013</p>	<p><b>Approx. Value of Services (in current USH):</b> Ugshs 120,000,000</p>
<p><b>Name of Associated Firm(s) if any:</b> None</p>	<p><b>No. of Months of Professional Staff Provided by Associated Firm (s)</b> NA</p>
<p><b>Name of Senior Staff (Project Manager/Coordinator, Team Leader) involved and functions performed:</b></p> <ol style="list-style-type: none"> <li>1. Team Leader/ Architect Arch. Dr. B. Nawangwe</li> <li>2. Physical Planner Dr. F. Omolo Okalebo</li> <li>3. Quantity Surveyor Mr. C.I. Inyangat</li> <li>4. Electrical Engineer Eng. Dr. Vincent B. Kasangaki</li> <li>5. Mechanical Engineer Dr. B. Kariko-Buhwezi</li> <li>6. Land Economist Ms. Catherine Kimani</li> <li>7. Environmental Specialist Prof. Frank Kansime</li> <li>8. Land Surveyor Mr. Orena Billa J.C</li> </ol>	
<p><b>Narrative Description of Project:</b> Survey, mapping, master plan development, and design of buildings for ICAPU in Lubowa</p>	
<p><b>Description of Actual Services Provided by your Staff</b> Project management services covering opening up of boundaries, Brief Development, Outline Proposals, Scheme Design and Detailed Designs. Detailed working drawings, specifications and bills of quantities</p>	

Firm's Name: TECHNOLOGY CONSULTS LTD



**ARTISTIC IMPRESSIONS FOR THE PROPOSED BUILDINGS FOR INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS IN UGANDA- LUBOWA CAMPUS  
(PRELIMINARY DESIGNS APPROVED)**



**Proposed Administration Building**


**Proposed Hotel Complex**

**Proposed Convection Center**

## FIRM'S EXPERIENCE

### NATIONAL COUNCIL FOR HIGHER EDUCATION


#### Design and supervision of construction of annex building for future offices for National Council for Higher Education (UGX 4.8 B)

<b>Assignment Name:</b>  Design and supervision of construction of Annex building to the future offices for NCHE, Kyambogo	<b>Country:</b> Uganda
	
<b>Location within the Country</b>  Kyambogo Kampala	<b>Professional Staff Provided by Firm</b> Architect, Structural Engineer, Electrical Engineer, Mechanical Engineer & Surveyor
<b>Name of Client:</b> National Council for Higher Education	<b>No. of Staff:</b> Six (06)
<b>Address:</b> P.O. Box, 76 Kyambogo	<b>No. of Staff Months:</b>
<b>Start Date (Months/Year):</b> November 2013 <b>Completion Date:</b> December 2016	<b>Approx. Value of Services (in current USD):</b> \$ 75,000 (Design Only)
<b>Name of Associated Firm(s) if any:</b> Nil	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> Nil
<b>Name of Senior Staff (Project Director/Coordinator, Team Leader) involved and functions performed:</b> Arch. Dr. Kenneth Ssemogerere (Technical Team Leader/Coordinator) Arch. Dr. Assumpta Nnaggenda-Musana (Architect) Dr B Kariko-Buhwezi - Mechanical Engineer Dr Kasangaki-Electrical Engineer Dr. Henry Alinaitwe-Structural Engineer	
<b>Narrative Description of Project:</b> Design of NCHE Annex building	
<b>Description of Actual Services Provided by your Staff:</b> Feasibility Study, Detailed Architectural and Engineering Designs and BOQs and Tender documentation; Construction Supervision	

Firm's Name: TECHNOLOGY CONSULTS LTD



**FIRM'S EXPERIENCE****KYAMBOGO UNIVERSITY****Design of Central Teaching Facility at Kyambogo University-ADB Funded (USD 3.2m)**

<b>Assignment Name:</b> Design of Central Teaching Facilities at Kyambogo University.	<b>Country:</b> Uganda
	
<b>Location within the Country</b> Kyambogo University Kampala	<b>Professional Staff Provided by Firm</b> Architect, Structural Engineer, Electrical Engineer, Mechanical Engineer & Surveyor
<b>Name of Client:</b> Kyambogo University Council	<b>No. of Staff:</b> Six (06)
<b>Address:</b> P.O. Box, 1 Kyambogo	<b>No. of Staff Months:</b>
<b>Start Date (Months/Year):</b> April 2014 <b>Completion Date:</b> July 2014	<b>Approx. Value of Services (in current USD):</b> \$ 108,000 (Design only)
<b>Name of Associated Firm(s) if any:</b> Nil	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> Nil
<b>Name of Senior Staff (Project Director/Coordinator, Team Leader) involved and functions performed:</b> Arch. Dr. B Nawangwe (Technical Team Leader/Coordinator) Dr B Kariko-Mechanical Engineer Dr Kasangaki-Electrical Engineer Dr. Henry Alinaitwe-Structural Engineer	
<b>Narrative Description of Project:</b> Design of Central Teaching Facility at Kyambogo University	
<b>Description of Actual Services Provided by your Staff:</b> Feasibility Study, Detailed Architectural and Engineering Designs and BOQs and Tender documentation;	


Firm's Name: TECHNOLOGY CONSULTS LTD

**FIRM'S EXPERIENCE****KYAMBOGO UNIVERSITY****Design of Laboratories and Workshops for Faculty of Engineering at Kyambogo University – ADB Funded (USD 2.8 m)**

<b>Assignment Name:</b> Design of Laboratories and Workshops for Faculty of Engineering.	<b>Country:</b> Uganda
	
<b>Location within the Country</b> Kyambogo University Kampala	<b>Professional Staff Provided by Firm</b> Architect, Structural Engineer, Electrical Engineer, Mechanical Engineer & Surveyor
<b>Name of Client:</b> Kyambogo University Council	<b>No. of Staff:</b> Six (06)
<b>Address:</b> P.O. Box, 1 Kyambogo	<b>No. of Staff Months:</b>
<b>Start Date (Months/Year):</b> April 2014 <b>Completion Date:</b> July 2014	<b>Approx. Value of Services (in current USD):</b> \$ 96,000
<b>Name of Associated Firm(s) if any:</b> Nil	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> Nil
<b>Name of Senior Staff (Project Director/Coordinator, Team Leader) involved and functions performed:</b> Arch. Dr. B Nawangwe (Technical Team Leader/Coordinator) Dr B Kariko-Mechanical Engineer Dr Kasangaki-Electrical Engineer Dr. Henry Alinaitwe - Structural Engineer	
<b>Narrative Description of Project:</b> Design of Faculty of Engineering Workshops and Laboratories	
<b>Description of Actual Services Provided by your Staff:</b> Feasibility Study, Detailed Architectural and Engineering Designs and BOQs and Tender documentation;	

Firm's Name: TECHNOLOGY CONSULTS LTD


**FIRM'S EXPERIENCE****KYAMBOGO UNIVERSITY****Design and Construction Supervision of Central Lecture Block at Kyambogo University (USD 5m)**

<p><b>Assignment Name:</b></p> <p>Design and Supervision of Construction of Central Lecture Block at Kyambogo University.</p>	<p><b>Country:</b> Uganda</p> 
<p><b>Location within the Country</b></p> <p>Kyambogo University Kampala</p>	<p><b>Professional Staff Provided by Firm</b> Architect, Structural Engineer, Electrical Engineer, Mechanical Engineer &amp; Surveyor</p>
<p><b>Name of Client:</b> Kyambogo University Council</p>	<p><b>No. of Staff:</b> Six (06)</p>
<p><b>Address:</b> P.O. Box, 1 Kyambogo</p>	<p><b>No. of Staff Months:</b></p>
<p><b>Start Date (Months/Year):</b> May 2014 <b>Completion Date:</b> Ongoing</p>	<p><b>Approx. Value of Services (in current USD):</b> \$ 20,000</p>
<p><b>Name of Associated Firm(s) if any:</b> Nil</p>	<p><b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> Nil</p>
<p><b>Name of Senior Staff (Project Director/Coordinator, Team Leader) involved and functions performed:</b> Arch. Dr. B Nawangwe (Technical Team Leader/Coordinator) Dr B Kariko-Mechanical Engineer Dr Kasangaki-Electrical Engineer Dr. Henry Alinaitwe -Structural Engineer</p>	
<p><b>Narrative Description of Project:</b> Design and Supervision of Central Lecture Block at Kyambogo University</p>	
<p><b>Description of Actual Services Provided by your Staff:</b> Designs and briefs for documentation; guiding tendering process; supervision of implementation management and co-ordination.</p>	

Firm's Name: TECHNOLOGY CONSULTS LTD



**FIRM'S EXPERIENCE****MAKERERE UNIVERSITY****Extension to the Main Library**

<b>Assignment Name:</b>  Extension to Makerere University Main Library – Phases 1 & 2.	<b>Country:</b> Uganda  
<b>Location within the Country</b> Makerere University.	<b>Professional Staff Provided by Firm</b> Architect, Structural & Civil Engineers, Electrical & Mechanical Engineers, Land Surveyor & ICT Specialist.
<b>Name of Client</b> Makerere University	<b>No. of Staff</b> 7
<b>Address :</b> P.O. Box 7062, Kampala	<b>No. of Staff Months:</b> 40
<b>Start Date (Months/Year):</b> Oct 2009 <b>Completion Date (Months/Year):</b> April 2011	<b>Approx. Value of Services (in current USD):</b> USD \$450,000
<b>Name of Associated Firm(s) if any:</b> Kiwagama, Kiwanuka & Partners	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> 12
<b>Name of Senior Staff (Project Manager/Coordinator, Team Leader) involved and functions performed:</b> 1. Architect Arch. Dr. B. Nawangwe 2. Structural / Civil Engineer Eng. J. Senfuma 3. Electrical Engineer Eng. Dr. Vincent B. Kasangaki 4. Quantity Surveyor Ms Kiwagama-Kiwanuka & Partners 5. Mechanical Engineer Dr. B. Kariko-Buhwezi	
<b>Narrative Description of Project:</b> Extension to Makerere University Main Library	
<b>Description of Actual Services Provided by your Staff</b> Project management services covering Brief Development, Outline Proposals, Scheme Design and Detailed Designs. Detailed working drawings, specifications, bills of quantities and other bidding documents. Prequalification of Contractors and bid analysis and recommendation for award. Contract Supervision: preparation of interim certificates, instructions and details and Final Account.	

Firm's Name: TECHNOLOGY CONSULTS LTD

## FIRM'S EXPERIENCE

### MBARARA UNIVERSITY OF SCIENCE AND TECHNOLOGY

#### Faculty of Applied Sciences

<p><b>Assignment Name:</b> Project Management of Construction of Faculty of Applied Sciences at Kihumuro Campus.</p> 	<p><b>Country:</b> Uganda</p> 
<p><b>Location within the Country</b> Plot 8-18 Kabale Road.</p>	<p><b>Professional Staff Provided by Firm</b> Architect, Structural &amp; Civil Engineers, Electrical &amp; Mechanical Engineers, Land Surveyor &amp; ICT Specialist.</p>
<p><b>Name of Client</b> Mbarara University</p>	<p><b>No. of Staff</b> 10</p>
<p><b>Address :</b> P.O. Box 1410, Mbarara</p>	<p><b>No. of Staff Months:</b> 12</p>
<p><b>Start Date (Months/Year):</b> May 2011 <b>Completion Date (Months/Year):</b> 2014</p>	<p><b>Approx. Value of Services (in current U SHS):</b> <b>361,150,800</b> (Design only)</p>
<p><b>Name of Associated Firm(s) if any:</b> None</p>	<p><b>No. of Months of Professional Staff Provided by Associated Firm (s):</b>NIL</p>
<p><b>Name of Senior Staff (Project Manager/Coordinator, Team Leader) involved and functions performed:</b></p> <ol style="list-style-type: none"> <li>1. Project Manager/T Leader Arch. Dr. B. Nawangwe</li> <li>2. Architect / Landscape designer Arch. Dr. A. Nnagenda Musana</li> <li>3. Structural / Civil Engineer Eng. Dr. J. A. Mwakali</li> <li>4. Electrical Engineer Eng. Dr. Vincent B. Kasangaki</li> <li>5. Quantity Surveyor Mr. C.I. Inyangat</li> <li>6. Mechanical Engineer Dr. B. Kariko-Buhwezi</li> </ol>	
<p><b>Narrative Description of Project:</b> Faculty of Energy, Petroleum and Mineral Studies</p>	
<p><b>Description of Actual Services Provided by your Staff</b> Project management services covering Brief Development, Outline Proposals, Scheme Design and Detailed Designs. Detailed working drawings, specifications, bills of quantities and other bidding documents. Prequalification of Contractors and bid analysis and recommendation for award. Contract Supervision: preparation of interim certificates, instructions and details and Final Account.</p>	

Firm's Name: TECHNOLOGY CONSULTS LTD

## FIRM'S EXPERIENCE


### MINISTRY OF FINANCE PLANNING & ECONOMIC DEVELOPMENT

#### Proposed New Office Building for the Office of the Auditor General in Mbarara

<b>Assignment Name:</b> Supervision of Construction of the Office Block for the Office of the Auditor General (OAG) Mbarara.	<b>Country:</b> Uganda												
													
<b>Location within the Country</b> Mbarara	<b>Professional Staff Provided by Firm</b> Architect, Structural & Civil Engineers, Electrical & Mechanical Engineers, Quantity Surveyor.												
<b>Name of Client</b> Ministry of Finance, Planning & Economic Development (FINMAP)	<b>No. of Staff</b> 7												
<b>Address :</b> P.O. Box 20026, Kampala	<b>No. of Staff Months:</b> 7												
<b>Start Date (Months/Year):</b> Dec 2013 <b>Completion Date (Months/Year):</b> December 2014	<b>Approx. Value of Services (in current U SHS):</b> UGX 192,688,200												
<b>Name of Associated Firm(s) if any:</b> None	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> NA												
<b>Name of Senior Staff (Project Manager/Coordinator, Team Leader) involved and functions performed:</b>													
<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">1. Project Manager/TLeader</td> <td>Arch. Dr. B. Nawangwe</td> </tr> <tr> <td>2. Project Architect</td> <td>Arch. Dr. Stephen Mukiibi</td> </tr> <tr> <td>3. Structural / Civil Engineer</td> <td>Eng. Dr. JHenry Alinaitwe</td> </tr> <tr> <td>4. Electrical Engineer</td> <td>Eng. Dr. Vincent B. Kasangaki</td> </tr> <tr> <td>5. Quantity Surveyor</td> <td>Mr. C.I. Inyangat</td> </tr> <tr> <td>6. Mechanical Engineer</td> <td>r. B. Kariko-Buhwezi</td> </tr> </table>		1. Project Manager/TLeader	Arch. Dr. B. Nawangwe	2. Project Architect	Arch. Dr. Stephen Mukiibi	3. Structural / Civil Engineer	Eng. Dr. JHenry Alinaitwe	4. Electrical Engineer	Eng. Dr. Vincent B. Kasangaki	5. Quantity Surveyor	Mr. C.I. Inyangat	6. Mechanical Engineer	r. B. Kariko-Buhwezi
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4. Electrical Engineer	Eng. Dr. Vincent B. Kasangaki												
5. Quantity Surveyor	Mr. C.I. Inyangat												
6. Mechanical Engineer	r. B. Kariko-Buhwezi												
<b>Narrative Description of Project:</b> Supervision of Construction of the Office Block for the Office of the Auditor General in Mbarara													
<b>Description of Actual Services Provided by your Staff</b> Project management services covering review designs and Contract Supervision: preparation of interim certificates, instructions and details and Final Account.													

Firm's Name: TECHNOLOGY CONSULTS LTD

**FIRM'S EXPERIENCE****MINISTRY OF LOCAL GOVERNMENT****Proposed New Main Markets for Gulu and Arua under MATTIP-1****Ministry of Local Government**

<b>Assignment Name:</b> Design and supervision of Arua and Gulu Main Markets under Markets and Agricultural Trade Improvement Programme (MATIP-1).	<b>Country:</b> Uganda																					
																						
<b>Location within the Country</b> Gulu District.	<b>Professional Staff Provided by Firm</b> Architect, Structural & Civil Engineers, Electrical & Mechanical Engineers, Land Surveyor, environment specialist & ICT Specialist.																					
<b>Name of Client</b> Ministry of Local Government	<b>No. of Staff</b> <b>9</b>																					
<b>Address :</b> P.O. Box 7037, Kampala	<b>No. of Staff Months:</b> 24																					
<b>Start Date (Months/Year):</b> June 2010 <b>Completion Date (Months/Year):</b> 2015	<b>Approx. Value of Services (in current USD):</b> 333,902.10																					
<b>Name of Associated Firm(s) if any:</b> None	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> NA																					
<b>Name of Senior Staff (Project Manager/Coordinator, Team Leader) involved and functions performed:</b> <table border="0" style="width: 100%;"> <tr> <td style="width: 33%;">1. Architect/Team Leader</td> <td style="width: 33%;">Arch. Dr. B. Nawangwe</td> <td style="width: 33%;"></td> </tr> <tr> <td>2. Structural / Civil Engineer</td> <td>Eng. Dr. J. A. Mwakali</td> <td></td> </tr> <tr> <td>3. Electrical Engineer</td> <td>Eng. Dr. Vincent B. Kasangaki</td> <td></td> </tr> <tr> <td>4. Quantity Surveyor</td> <td>Mr. Nathan Behangana</td> <td></td> </tr> <tr> <td>5. Mechanical Engineer</td> <td>Dr. B. Kariko-Buhwezi</td> <td></td> </tr> <tr> <td>6. Land Surveyor</td> <td>Mr. J.C. Orena Billa</td> <td></td> </tr> <tr> <td>7. EIA/SIA Expert</td> <td>Prof. Frank Kansiime</td> <td></td> </tr> </table>		1. Architect/Team Leader	Arch. Dr. B. Nawangwe		2. Structural / Civil Engineer	Eng. Dr. J. A. Mwakali		3. Electrical Engineer	Eng. Dr. Vincent B. Kasangaki		4. Quantity Surveyor	Mr. Nathan Behangana		5. Mechanical Engineer	Dr. B. Kariko-Buhwezi		6. Land Surveyor	Mr. J.C. Orena Billa		7. EIA/SIA Expert	Prof. Frank Kansiime	
1. Architect/Team Leader	Arch. Dr. B. Nawangwe																					
2. Structural / Civil Engineer	Eng. Dr. J. A. Mwakali																					
3. Electrical Engineer	Eng. Dr. Vincent B. Kasangaki																					
4. Quantity Surveyor	Mr. Nathan Behangana																					
5. Mechanical Engineer	Dr. B. Kariko-Buhwezi																					
6. Land Surveyor	Mr. J.C. Orena Billa																					
7. EIA/SIA Expert	Prof. Frank Kansiime																					
<b>Narrative Description of Project:</b> New Market for Gulu and Arua Municipal Council																						
<b>Description of Actual Services Provided by your Staff</b> Project management services covering Needs Assessment, Site Investigations, Brief Development, Outline Proposals, Scheme Design and Detailed Designs. Detailed working drawings, specifications, bills of quantities and other bidding documents. Prequalification of Contractors and bid analysis and recommendation for award. Contract Supervision: preparation of interim certificates, instructions and details and Final Account.																						

Firm's Name: TECHNOLOGY CONSULTS LTD


**FIRM'S EXPERIENCE****MBARARA UNIVERSITY****New Main Library Block (USD 7.2m)**

<b>Assignment Name:</b> Project Management (Design & Constructing supervision) of Construction of a New Library Block at Kihumuro Campus.	<b>Country:</b> Uganda
	
<b>Location within the Country</b> Plot 8-18 Kabale Road.	<b>Professional Staff Provided by Firm</b> Architect, Structural & Civil Engineers, Electrical & Mechanical Engineers, Land Surveyor & ICT Specialist.
<b>Name of Client</b> Mbarara University	<b>No. of Staff</b> 10
<b>Address :</b> P.O. Box 1410, Mbarara	<b>No. of Staff Months:</b> 12
<b>Start Date (Months/Year):</b> November 2013 <b>Completion Date (Months/Year):</b> Ongoing	<b>Approx. Value of Services (in current U SHS):</b> <b>450,000,000</b> (Design only)
<b>Name of Associated Firm(s) if any:</b> None	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> NIL
<b>Name of Senior Staff (Project Manager/Coordinator, Team Leader) involved and functions performed:</b> <ol style="list-style-type: none"> <li>1. Project Manager/Team Leader Arch. Dr. B. Nawangwe</li> <li>2. Architect / Landscape designer Arch. Dr. A. Ndagenda Musana</li> <li>3. Structural / Civil Engineer Eng. Dr. Henry Alinaitwe</li> <li>4. Electrical Engineer Eng. Dr. Vincent B. Kasangaki</li> <li>5. Quantity Surveyor Mr. C.I. Inyangat</li> <li>6. Mechanical Engineer Dr. B. Kariko-Buhwezi</li> </ol>	
<b>Narrative Description of Project:</b> New Library Block at Kihumuro Campus	
<b>Description of Actual Services Provided by your Staff</b> Project management services covering Brief Development, Outline Proposals, Scheme Design and Detailed Designs. Detailed working drawings, specifications, bills of quantities and other bidding documents. Prequalification of Contractors and bid analysis and recommendation for award. Contract Supervision: preparation of interim certificates, instructions and details and Final Account.	

Firm's Name: TECHNOLOGY CONSULTS LTD




**FIRM'S EXPERIENCE****MAKERERE UNIVERSITY****New building for Faculty of Technology: Makerere University  
Internally funded- USD 800,000**

<b>Assignment Name:</b>  Proposed New Building for the Faculty of Technology	<b>Country:</b>  Uganda
<b>Location within the Country</b>  Makerere University	
<b>Name of Client:</b> Makerere University Council	<b>Professional Staff Provided by Firm</b> Architect, Structural Engineer
<b>Address:</b> P.O. Box 7062, Kampala	<b>No. of Staff:</b> 4
<b>Start Date (Months/Year):</b> March 2006	<b>No. of Staff Months:</b> 20
<b>Completion Date:</b> Ongoing:	<b>Approx. Value of Services (in current USD):</b> \$ 100,000
<b>Name of Associated Firm(s) if any:</b> Non	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> 12
<b>Name of Senior Staff (Project Director/Coordinator, Team Leader) involved and functions performed:</b> Arch. Dr. B Nawangwe (Technical Team Leader/Coordinator)	
<b>Narrative Description of Project:</b> New building for Faculty of Technology <b>Description of Actual Services Provided by your Staff:</b> Designs and briefs for documentation; guiding tendering process; supervision of implementation management and co-ordination.	


Firm's Name: TECHNOLOGY CONSULTS LTD

**FIRM'S EXPERIENCE****MAKERERE UNIVERSITY****Faculty of Computing and Information Technology: Makerere University  
NORAD funded- USD 1,700,000**

<b>Assignment Name:</b>  Proposed Extension to the Faculty of Computing and Information Technology	<b>Country:</b>  Uganda 
<b>Location within the Country</b>  Makerere University	<b>Professional Staff Provided by Firm</b> Architect, Structural Engineer
<b>Name of Client:</b> Makerere University Council	<b>No. of Staff:</b> 4
<b>Address:</b> P.O. Box 7062, Kampala	<b>No. of Staff Months:</b> 20
<b>Start Date (Months/Year):</b> March 2005 <b>Completion Date:</b> 2008	<b>Approx. Value of Services (in current USD):</b> \$ 300,000
<b>Name of Associated Firm(s) if any:</b> Multi Konsults	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> 12
<b>Name of Senior Staff (Project Director/Coordinator, Team Leader) involved and functions performed:</b> Arch. Dr. B Nawangwe (Technical Team Leader/Coordinator)	
<b>Narrative Description of Project:</b> New building for Faculty of Computing and Information Technology	
<b>Description of Actual Services Provided by your Staff:</b> Designs and briefs for documentation; guiding tendering process; supervision of implementation management and co-ordination.	

Firm's Name: TECHNOLOGY CONSULTS LTD


**FIRM'S EXPERIENCE****KYAMBOGO UNIVERSITY****Business Studies Lecture Rooms at Kyambogo University - USD 278,000**

<p><b>Assignment Name:</b> Design and Supervision of Construction of Business Studies Lecture Rooms at Kyambogo University.</p>	<p><b>Country:</b> Uganda</p> 
<p><b>Location within the Country</b> Kyambogo University Kampala</p>	<p><b>Professional Staff Provided by Firm</b> Architect, Structural Engineer, Electrical Engineer, Mechanical Engineer &amp; Surveyor</p>
<p><b>Name of Client:</b> Kyambogo University Council</p>	<p><b>No. of Staff:</b> Six (06)</p>
<p><b>Address:</b> P.O. Box, 1 Kyambogo</p>	<p><b>No. of Staff Months:</b></p>
<p><b>Start Date (Months/Year):</b> November 2005 <b>Completion Date:</b> February 2010</p>	<p><b>Approx. Value of Services (in current USD):</b> \$ 22,000</p>
<p><b>Name of Associated Firm(s) if any:</b> Nil</p>	<p><b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> Nil</p>
<p><b>Name of Senior Staff (Project Director/Coordinator, Team Leader) involved and functions performed:</b> Arch. Dr. B Nawangwe (Technical Team Leader/Coordinator) Dr B Kariko-Mechanical Engineer Dr Kasangaki-Electrical Engineer Dr JA Mwakali-Structural Engineer</p>	
<p><b>Narrative Description of Project:</b> Design and Supervision of Business Studies Lecture Block</p>	
<p><b>Description of Actual Services Provided by your Staff:</b> Designs and briefs for documentation; guiding tendering process; supervision of implementation management and co-ordination.</p>	

Firm's Name: TECHNOLOGY CONSULTS LTD





**FIRM'S EXPERIENCE****ISLAMIC UNIVERSITY IN UGANDA****Students' Hostel Block for Islamic University In Uganda, Mbale****IDB funded- USD 5,000,000**

<b>Assignment Name:</b> Students' Hostel Block for IUIU Mbale	<b>Country:</b> Uganda
	
<b>Location within the Country</b> IUIU, Mbale Town	<b>Professional Staff Provided by Firm</b> Architect, Structural Engineer, Electrical Engineer & Mechanical engineer
<b>Name of Client:</b> Islamic University In Uganda	<b>No. of Staff:</b> Six (06)
<b>Address:</b> P.O. Box	<b>No. of Staff Months:</b>
<b>Start Date (Months/Year):</b> November 2005 <b>Completion Date:</b> 2007	<b>Approx. Value of Services (in current USD):</b>
<b>Name of Associated Firm(s) if any:</b> NA	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b>
<b>Name of Senior Staff (Project Director/Coordinator, Team Leader) involved and functions performed:</b> Arch. Dr. B Nawangwe (Technical Team Leader/Coordinator)	
<b>Narrative Description of Project:</b> Design and Supervision of Construction of Students' Hostel Blocks for IUIU Mbale	
<b>Description of Actual Services Provided by your Staff:</b> Designs and briefs for documentation; guiding tendering process; supervision of implementation management and co-ordination.	

Firm's Name: TECHNOLOGY CONSULTS LTD

**FIRM'S EXPERIENCE****CENTENARY BANK****Proposed New Headquarters for Centenary Rural Development Bank Headquarters on Plot 44-46 Kampala Road. (USD 40 Million)**

<p><b>Assignment Name:</b> Project Management of New Headquarters for Centenary Rural Development Bank Headquarters on Plot 44-46 Kampala Road.</p> 	<p><b>Country:</b> Uganda</p> 												
<p><b>Location within the Country</b> Plot 44-46 Kampala Road.</p>	<p><b>Professional Staff Provided by Firm</b> Architect, Structural &amp; Civil Engineers, Electrical &amp; Mechanical Engineers, Land Surveyor &amp; ICT Specialist.</p>												
<p><b>Name of Client</b> Centenary Bank</p>	<p><b>No. of Staff</b> 7</p>												
<p><b>Address :</b> P.O. Box 1`892, Kampala</p>	<p><b>No. of Staff Months:</b> 30</p>												
<p><b>Start Date (Months/Year):</b> Sept 2005 <b>Completion Date (Months/Year):</b> 2012</p>	<p><b>Approx. Value of Services (in current USD):</b> \$200,000</p>												
<p><b>Name of Associated Firm(s) if any:</b> None</p>	<p><b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> NA</p>												
<p><b>Name of Senior Staff (Project Manager/Coordinator, Team Leader) involved and functions performed:</b></p> <table border="0"> <tr> <td>1. Team Leader</td> <td>Eng. Dr. Anania Mbabazi</td> </tr> <tr> <td>2. Architect</td> <td>Arch. Dr. B. Nawangwe</td> </tr> <tr> <td>3. Structural / Civil Engineer</td> <td>Eng. Dr. J. A. Mwakali</td> </tr> <tr> <td>4. Electrical Engineer</td> <td>Eng. Dr. Vincent B. Kasangaki</td> </tr> <tr> <td>5. Quantity Surveyor</td> <td>Mr. C.I. Inyangat</td> </tr> <tr> <td>6. Mechanical Engineer</td> <td>Dr. B. Kariko-Buhwezi</td> </tr> </table>		1. Team Leader	Eng. Dr. Anania Mbabazi	2. Architect	Arch. Dr. B. Nawangwe	3. Structural / Civil Engineer	Eng. Dr. J. A. Mwakali	4. Electrical Engineer	Eng. Dr. Vincent B. Kasangaki	5. Quantity Surveyor	Mr. C.I. Inyangat	6. Mechanical Engineer	Dr. B. Kariko-Buhwezi
1. Team Leader	Eng. Dr. Anania Mbabazi												
2. Architect	Arch. Dr. B. Nawangwe												
3. Structural / Civil Engineer	Eng. Dr. J. A. Mwakali												
4. Electrical Engineer	Eng. Dr. Vincent B. Kasangaki												
5. Quantity Surveyor	Mr. C.I. Inyangat												
6. Mechanical Engineer	Dr. B. Kariko-Buhwezi												
<p><b>Narrative Description of Project:</b> New Building for CERUDEB (Mapeera House).</p>													
<p><b>Description of Actual Services Provided by your Staff</b> Project management services covering review a of: Brief Development, Outline Proposals, Scheme Design and Detailed Designs. Detailed working drawings, specifications, bills of quantities and other bidding documents. Prequalification of Contractors and bid analysis and recommendation for award. Contract Supervision: preparation of interim certificates, instructions and details and Final Account.</p>													

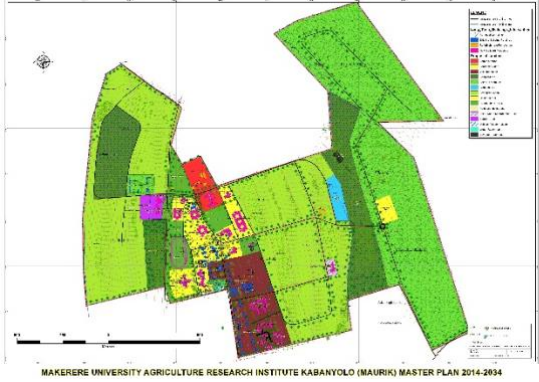
Firm's Name: TECHNOLOGY CONSULTS LTD

**PHYSICAL DEVELOPMENT PLANS  
AND  
INSTITUTIONAL MASTER PLANNING**

## FIRM'S EXPERIENCE

## MAKERERE UNIVERSITY

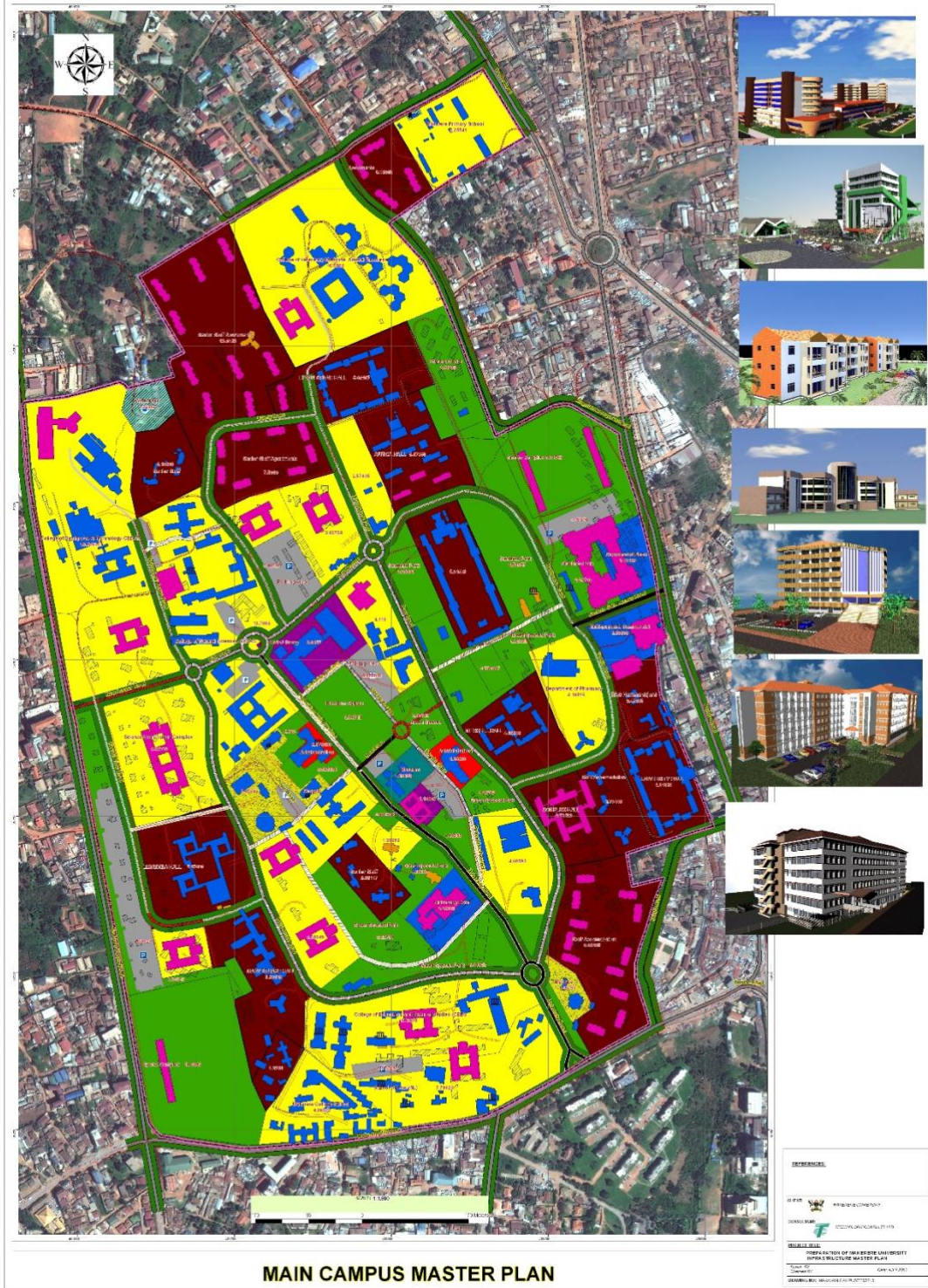
## Consultancy services for the preparation of Makerere University Infrastructure Master Plan

<p><b>Assignment Name:</b>          Consultancy services for the preparation of Makerere University Infrastructure Master Plan comprising:</p> <ul style="list-style-type: none"> <li>• 350 Acre Main Campus</li> <li>• 45 Acre College of Health Science Mulago</li> <li>• 60 Acre Agricultural Research Institute- Kabanyolo</li> </ul>	 <p>MAKERERE UNIVERSITY AGRICULTURE RESEARCH INSTITUTE KABANYOLO (MAURIKI) MASTER PLAN 2014-2034</p> <p>Master Plan for Kabanyolo Campus</p>
<p><b>Location within the Country</b>          Kampala</p>	<p><b>Country:</b>          Uganda</p> <p><b>Professional Staff Provided by Firm</b>          Estates Management Specialist, Architect, Structural &amp; Civil Engineers, Electrical &amp; Mechanical Engineers, Land Surveyor, Financial Analyst, &amp; ICT Specialist.</p>
<p><b>Name of Client</b>          Makerere University Council</p>	<p><b>No. of Staff</b>          08</p>
<p><b>Address</b> P.O. Box, Kampala</p>	<p><b>No. of Staff Months:</b> 09</p>
<p><b>Start Date (Months/Year):</b> December 2012  <b>Completion Date (Months/Year):</b> On-going</p>	<p><b>Approx. Value of Services (in current USD):</b>          \$200,000</p>
<p><b>Name of Associated Firm(s) if any:</b>          None</p>	<p><b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> 00</p>
<p><b>Name of Senior Staff (Project Manager/Coordinator, Team Leader) involved and functions performed:</b></p> <ol style="list-style-type: none"> <li>1. Arch. Dr. B. Nawangwe (Estates Management Specialist/ Project Manager)</li> <li>2. Dr. Fredrick Omolo Okalebo (Physical Planner)</li> </ol>	
<p><b>Narrative Description of Project:</b>          Survey, mapping, master plan development, and design of buildings for ICAPU in Lubowa</p>	
<p><b>Description of Actual Services Provided by your Staff</b>          Project management services covering opening up of boundaries, Brief Development, Outline Proposals, Scheme Design and Detailed Designs. Detailed working drawings, specifications and bills of quantities of interim certificates, issuing instructions and details and preparation of Final Account.</p>	

Firm's Name: TECHNOLOGY CONSULTS LTD




**MAKERERE UNIVERSITY MASTER PLAN 2014-2034**



## FIRM'S EXPERIENCE

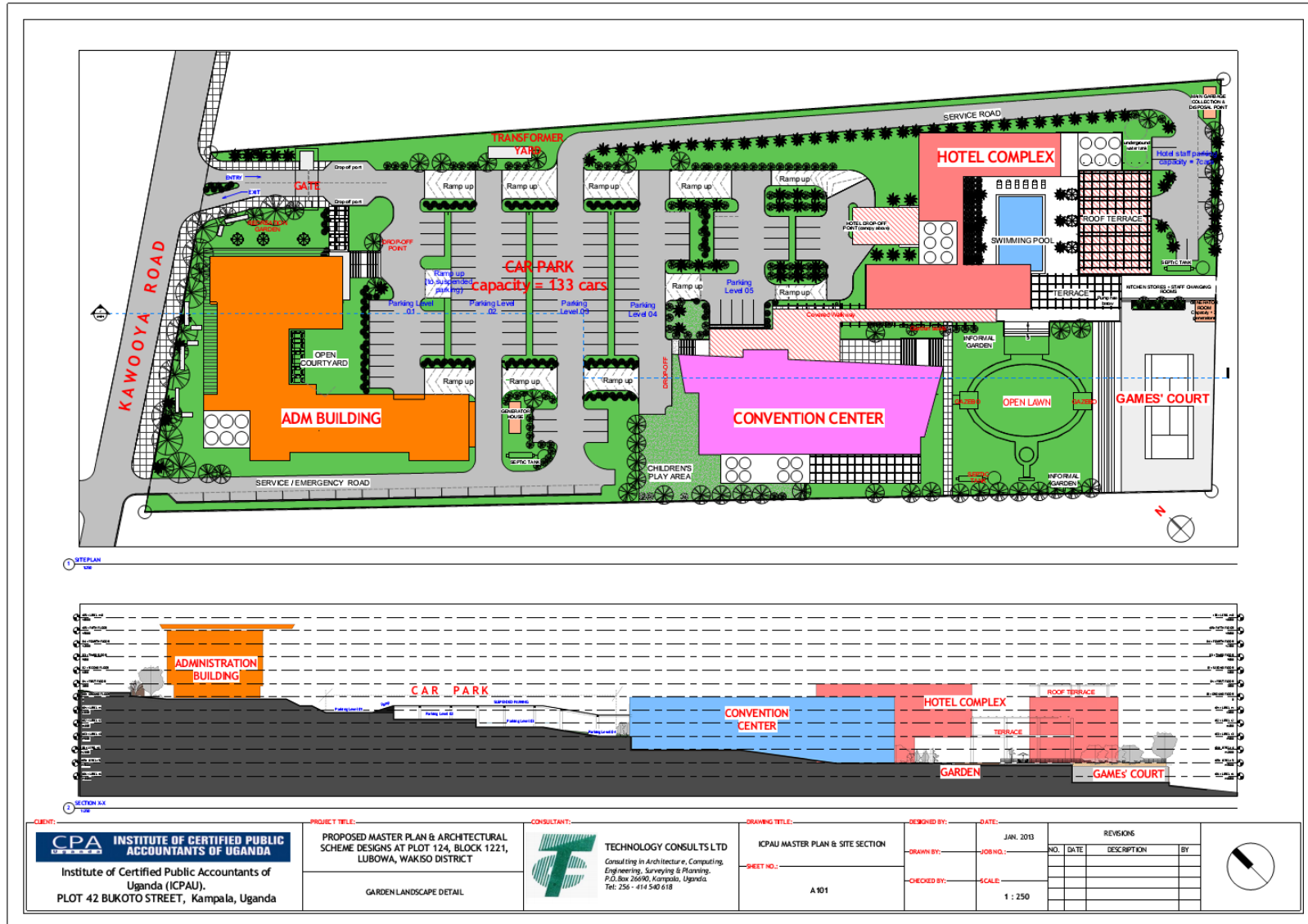
### INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS OF UGANDA

#### Survey, Mapping, Master Plan Preparation and Preliminary Designs for Buildings for the Development of ICPAU Land at Lubowa

<p><b>Assignment Name:</b></p> <p>Survey, mapping, master plan development, and design of buildings for ICPAU in Lubowa</p>	<div style="text-align: center;">  <p>Proposed Administration Block for ICPAU</p> </div> <p><b>Country:</b> Uganda</p>																
<p><b>Location within the Country</b></p> <p>Wakiso District</p>	<p><b>Professional Staff Provided by Firm</b> Planners, Architect, Structural &amp; Civil Engineers, Electrical &amp; Mechanical Engineers, Land Surveyor , Land Economist, Environmental Specialist, Water Sanitation</p>																
<p><b>Name of Client</b> Institute of Certified Public accountants of Uganda</p>	<p><b>No. of Staff</b> 08</p>																
<p><b>Address :</b> Plot 42 Bukoto Street P. O. Box 12464 Kampala Uganda</p>	<p><b>No. of Staff Months:</b> 06</p>																
<p><b>Start Date (Months/Year):</b> August 2012 <b>Completion Date (Months/Year):</b> February 2013</p>	<p><b>Approx. Value of Services (in current USH):</b> Ugshs 120,000,000</p>																
<p><b>Name of Associated Firm(s) if any:</b> None</p>	<p><b>No. of Months of Professional Staff Provided by Associated Firm (s) NA</b></p>																
<p><b>Name of Senior Staff (Project Manager/Coordinator, Team Leader) involved and functions performed:</b></p> <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">1. Team Leader/ Architect</td> <td>Arch. Dr. B. Nawangwe</td> </tr> <tr> <td>2. Physical Planner</td> <td>Dr. F. Omolo Okalebo</td> </tr> <tr> <td>3. Quantity Surveyor</td> <td>Mr. C.I. Inyangat</td> </tr> <tr> <td>4. Electrical Engineer</td> <td>Eng. Dr. Vincent B. Kasangaki</td> </tr> <tr> <td>5. Mechanical Engineer</td> <td>Dr. B. Kariko-Buhwezi</td> </tr> <tr> <td>6. Land Economist</td> <td>Ms. Catherine Kimani</td> </tr> <tr> <td>7. Environmental Specialist</td> <td>Prof. Frank Kansiime</td> </tr> <tr> <td>8. Land Surveyor</td> <td>Mr. Orena Billa J.C</td> </tr> </table>		1. Team Leader/ Architect	Arch. Dr. B. Nawangwe	2. Physical Planner	Dr. F. Omolo Okalebo	3. Quantity Surveyor	Mr. C.I. Inyangat	4. Electrical Engineer	Eng. Dr. Vincent B. Kasangaki	5. Mechanical Engineer	Dr. B. Kariko-Buhwezi	6. Land Economist	Ms. Catherine Kimani	7. Environmental Specialist	Prof. Frank Kansiime	8. Land Surveyor	Mr. Orena Billa J.C
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<p><b>Narrative Description of Project:</b> Survey, mapping, master plan development, and design of buildings for ICPAU in Lubowa</p>																	
<p><b>Description of Actual Services Provided by your Staff</b> Project management services covering opening up of boundaries, Brief Development, Outline Proposals, Scheme Design and Detailed Designs. Detailed working drawings, specifications and bills of quantities</p>																	

Firm's Name: TECHNOLOGY CONSULTS LTD





## FIRM'S REFERENCES

### PRESIDENTIAL INITIATIVE ON BANANA INDUSTRIAL DEVELOPMENT

Consultancy services for survey and master plan development for the Industrial Technology Park in Sanga-Kiruhura District for Presidential Initiative on Banana Industrial Development. (UGX 3,500,000,000)

<b>Assignment Name:</b> Consultancy services for survey and master plan development for the ITP Sanga for PIBID	<b>Country:</b> Uganda
<b>Location within the Country</b> Sanga-Kiruhura District	<b>Professional Staff Provided by Firm</b> Physical Planner, Architect, Structural & Civil Engineers, Electrical & Mechanical Engineers, Land Surveyor, Agronomist, Public health Specialist.
<b>Name of Client</b> PIBID	<b>No. of Staff</b> 10
<b>Address :</b> P.O. Box 35747, Kampala	<b>No. of Staff Months:</b> 8
<b>Start Date (Months/Year):</b> Sept 2009 <b>Completion Date (Months/Year):</b> Ongoing	<b>Approx. Value of Services (in current USD):</b> \$185,000
<b>Name of Associated Firm(s) if any:</b> None	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> None
<b>Name of Senior Staff (Project Manager/Coordinator, Team Leader) involved and functions performed:</b>	
1. Team Leader/Architect	Arch. Dr. B. Nawangwe
2. Planner	Mr. Omolo-Okalebo Frederick
3. Structural / Civil Engineer	Eng. Dr. J. A. Mwakali
4. Quantity Surveyor	Mr. C.I. Inyangat
6. Mechanical Engineer	Dr. B. Kariko-Buhwezi
7. Surveyor	Mr. Richard Irumba
<b>Narrative Description of Project:</b> Master Plan for Industrial Technology Park-Sanga	
<b>Description of Actual Services Provided by your Staff</b> Topographic and cadastral surveys, Feasibility Planning, detailed master plan, Preparation of Outline Proposals, Scheme Design and Detailed Designs. Preparation of detailed working drawings, specifications, bills of quantities and other bidding documents.	

**Firm's Name:** TECHNOLOGY CONSULTS LTD





## FIRM'S REFERENCES

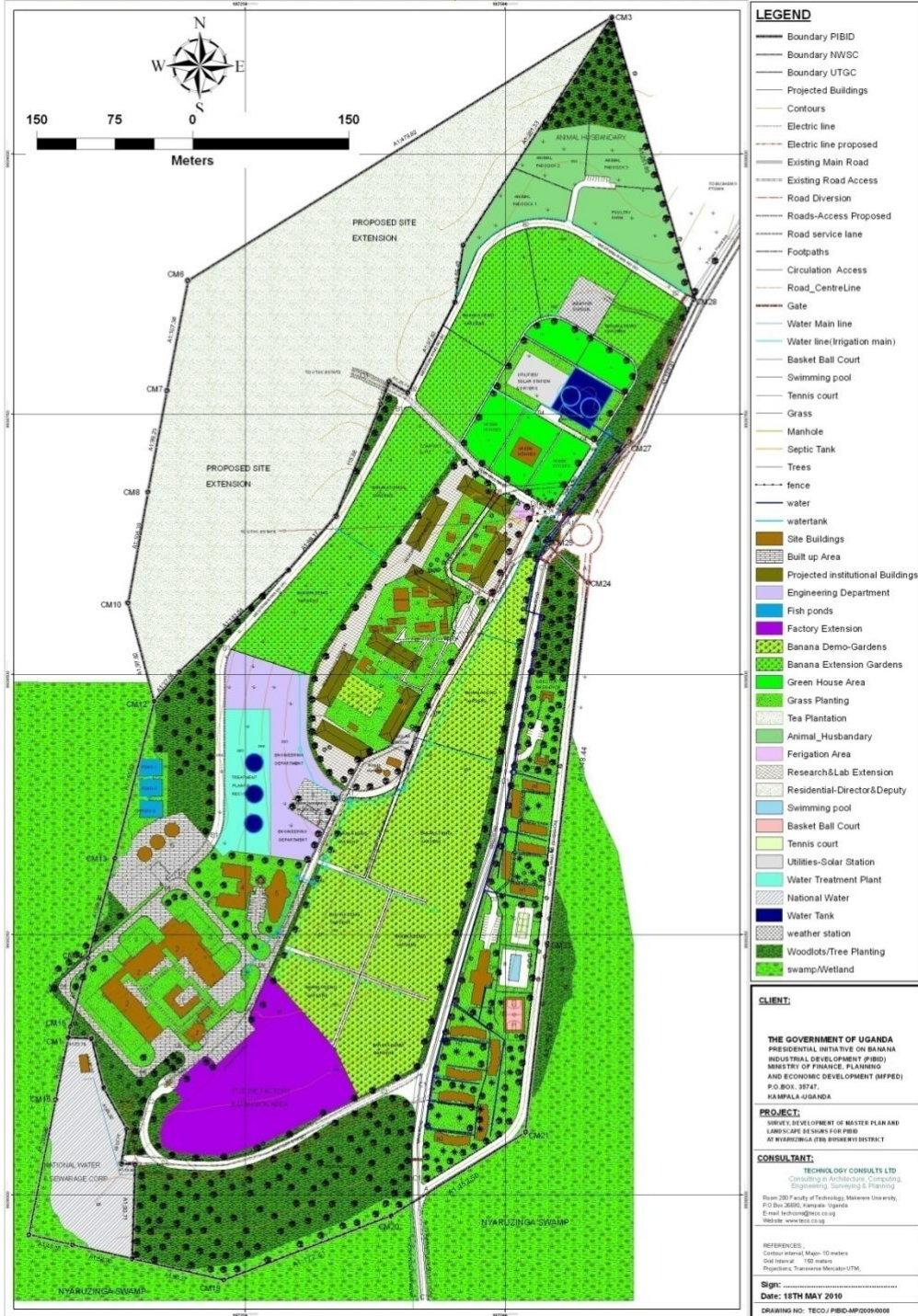
### PRESIDENTIAL INITIATIVE ON BANANA INDUSTRIAL DEVELOPMENT

Consultancy services for survey and master plan development for the Technology Business Incubator in Nyaruzinga-Bushenyi District for Presidential Initiative on Banana Industrial Development. (UGX 3,500,000,000)

<b>Assignment Name:</b> Consultancy services for survey and master plan development for the TBI Nyaruzinga for PIBID	<b>Country:</b> Uganda												
<b>Location within the Country</b> Nyaruzinga, Bushenyi District	<b>Professional Staff Provided by Firm</b> Physical Planner, Architect, Structural & Civil Engineers, Electrical & Mechanical Engineers, Land Surveyor, Agronomist, Public health Specialist.												
<b>Name of Client</b> PIBID	<b>No. of Staff</b> 10												
<b>Address :</b> P.O. Box 35747, Kampala	<b>No. of Staff Months:</b> 8												
<b>Start Date (Months/Year):</b> Sept 2009 <b>Completion Date (Months/Year):</b> Ongoing	<b>Approx. Value of Services (in current USD):</b> \$185,000												
<b>Name of Associated Firm(s) if any:</b> None	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> None												
<b>Name of Senior Staff (Project Manager/Coordinator, Team Leader) involved and functions performed:</b>													
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4. Quantity Surveyor	Mr. C.I. Inyangat												
6. Mechanical Engineer	Dr. B. Kariko-Buhwezi												
7. Surveyor	Mr. Richard Iumba												
<b>Narrative Description of Project:</b> Master Plan for Technology Business Incubator-Nyaruzinga													
<b>Description of Actual Services Provided by your Staff</b> Topographic and cadastral surveys, Feasibility Planning, detailed master plan, Preparation of Outline Proposals, Scheme Design and Detailed Designs. Preparation of detailed working drawings, specifications, bills of quantities and other bidding documents.													

**Firm's Name:** TECHNOLOGY CONSULTS LTD

**TECHNOLOGY BUSINESS INCUBATOR (TBI) PIBID MASTER PLAN- NYARUZINGA**





## FIRM'S REFERENCES

## UGANDA GATSBY TRUST

Development of a master plan, design and Supervision of Construction of Mbarara Gatsby Trust Industrial Park for Gatsby Uganda-USD 1.4M

<b>Assignment Name:</b> Mbarara Gatsby Trust Industrial Park	<b>Country:</b> Uganda
<b>Location within the Country</b>  Mbarara Town	<b>Professional Staff Provided by Firm</b> Architect, Structural Engineer, Electrical Engineer, Mechanical Engineer & Surveyor
<b>Name of Client:</b> Uganda Gatsby Trust	<b>No. of Staff:</b> Five (5)
<b>Address:</b> P.O. Box 7062, Kampala	<b>No. of Staff Months:</b> 06
<b>Start Date (Months/Year):</b> 2006 <b>Completion Date:</b> 2007	<b>Approx. Value of Services (in current USD):</b> \$ 130,000
<b>Name of Associated Firm(s) if any:</b> Nil	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> Nil
<b>Name of Senior Staff (Project Director/Coordinator, Team Leader) involved and functions performed:</b> Arch. Dr. B Nawangwe (Technical Team Leader/Coordinator)	
<b>Narrative Description of Project:</b> Design and Supervision of Construction of Mbarara Gatsby Trust Industrial Park.	
<b>Description of Actual Services Provided by your Staff:</b> Designs and briefs for documentation; guiding tendering process; supervision of implementation management and co-ordination.	

Firm's Name: TECHNOLOGY CONSULTS LTD

## FIRM'S REFERENCES

## UGANDA GATSBY TRUST

Development of a master plan, design and supervision of construction of Jinja Business Park for Gatsby Uganda

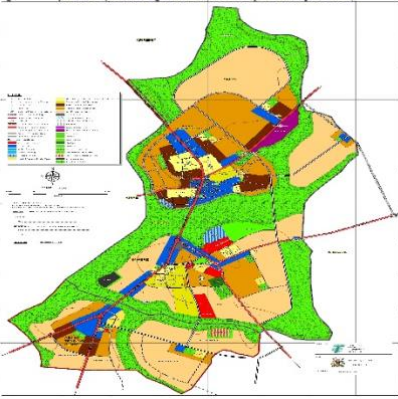
<b>Assignment Name:</b> Jinja Gatsby Trust Industrial Park	<b>Country:</b> Uganda
<b>Location within the Country</b>  Jinja, Njeru Town	<b>Professional Staff Provided by Firm</b> Architect, Structural Engineer, Electrical Engineer, Mechanical Engineer & Surveyor
<b>Name of Client:</b> Uganda Gatsby Trust	<b>No. of Staff:</b> Five (5)
<b>Address:</b> P.O. Box 7062, Kampala	<b>No. of Staff Months:</b> 06
<b>Start Date (Months/Year):</b> 2004 <b>Completion Date:</b> 2006	<b>Approx. Value of Services (in current USD):</b> \$ 125,000
<b>Name of Associated Firm(s) if any:</b> Nil	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> Nil
<b>Name of Senior Staff (Project Director/Coordinator, Team Leader) involved and functions performed:</b> Arch. Dr. B Nawangwe (Technical Team Leader/Coordinator)	
<b>Narrative Description of Project:</b> Design and Supervision of Construction of Jinja Gatsby Trust Industrial Park.	
<b>Description of Actual Services Provided by your Staff:</b> Designs and briefs for documentation; guiding tendering process; supervision of implementation management and co-ordination.	

**Firm's Name:** TECHNOLOGY CONSULTS LTD

## FIRM'S REFERENCES

## MINISTRY OF LOCAL GOVERNMENT

## Preparation of Structure and Detailed Plans for Aduku, Adwari, Kamdini, Karuma, Kigumba, Loro and Otuke Urban Councils in Northern Uganda

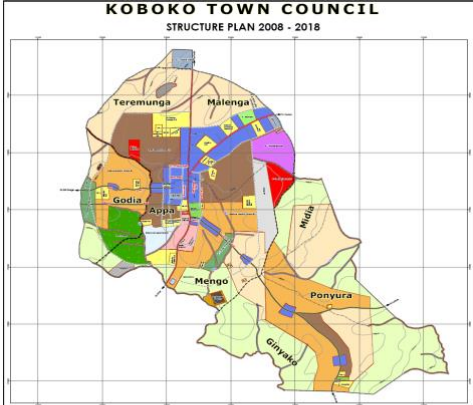
<p><b>Assignment Name:</b></p> <p>Preparation of Structure and Detailed Plans for <b>Seven (7)</b> Urban Councils in Northern Uganda</p> <ol style="list-style-type: none"> <li>1. Aduku Urban Council</li> <li>2. Adwari Urban Council</li> <li>3. Kamdini Urban Council</li> <li>4. Karuma Urban Council</li> <li>5. Kigumba Urban Council</li> <li>6. Loro Urban Council</li> <li>7. Otuke Urban Council</li> </ol>	 <p>Structure Plan for Aduku Town Council</p>
<p><b>Location within the Country</b> Northern- Uganda</p>	<p><b>Country:</b> Uganda</p> <p><b>Professional Staff Provided by Firm</b> Physical Planner, Land Economist, Environmental, Traffic /Transport Specialist, Urban Sociologist, Cartographer/Draughtsman &amp; Mass Communication</p>
<p><b>Name of Client</b> Ministry of Local Government In conjunction with Ministry of Lands Housing &amp; Urban Dev.</p>	<p><b>No. of Staff</b> 9</p>
<p><b>Address</b> P.O. Box Kampala</p>	<p><b>No. of Staff Months:</b> 6</p>
<p><b>Start Date (Months/Year):</b> 2011 <b>Completion Date (Months/Year):</b> December 2012</p>	<p><b>Approx. Value of Services</b> USD 350,000</p>
<p><b>Name of Associated Firm(s) if any:</b> N/A</p>	<p><b>No. of Months of Professional Staff Provided by Associated Firm (s):</b>N/A</p>
<p><b>Name of Senior Staff (Project Director/Coordinator, Team Leader) involved and functions performed:</b> Dr. Fredrick Omolo Okalebbo (Physical Planner / Leader) Arch. Dr. Barnabas Nawangwe (Architect/ Planner)</p>	
<p><b>Narrative Description of Project:</b> Preparation of Structure and Detailed Plans for Selected Urban Centres Countrywide</p>	
<p><b>Description of Actual Services Provided by your Staff</b> Brief Development, Preparation of consultative process, planning area proposals, structure plans and central area detailed plans for selected urban centres in Northern Uganda for the approval of the relevant authorities.</p>	

Firm's Name: TECHNOLOGY CONSULTS LTD

## FIRM'S REFERENCES

### MINISTRY OF LOCAL GOVERNMENT

#### Preparation of Structure and Detailed Master Plans for Adjumani, Moyo, Koboko, Amuru and Yumbe Urban Councils in Northern Uganda

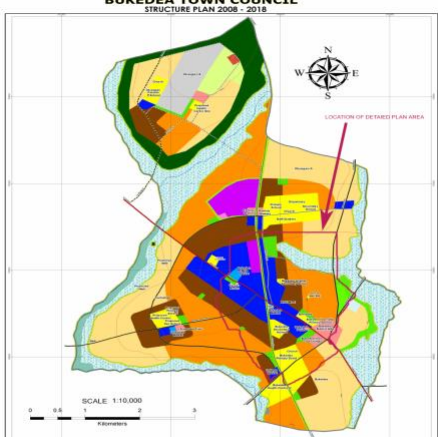
<p><b>Assignment Name:</b></p> <p>Preparation of Structure and Detailed Plans for 5 Urban Councils in Northern Uganda.</p> <ol style="list-style-type: none"> <li>1. Adjumani Town Council</li> <li>2. Moyo Town Council</li> <li>3. Koboko Town Council</li> <li>4. Amuru Town Council</li> <li>5. Yumbe Town Council</li> </ol>	<div style="text-align: center;">  <p><b>KOBOKO TOWN COUNCIL</b> STRUCTURE PLAN 2008 - 2018</p> <p>Koboko Town Council Structure Plan</p> </div> <p><b>Country:</b> Uganda</p>
<p><b>Location within the Country</b> Northern - Uganda</p>	<p><b>Professional Staff Provided by Firm</b> Physical Planner, Land Economist, Environmental, Traffic /Transport Specialist, Urban Sociologist, Cartographer/Draughtsman &amp; Mass Communication</p>
<p><b>Name of Client</b> Ministry of Local Government In conjunction with Ministry of Lands Housing &amp; Urban Development</p>	<p><b>No. of Staff</b> 9</p>
<p><b>Address</b> P.O. Box Kampala</p>	<p><b>No. of Staff Months</b> 6</p>
<p><b>Start Date (Months/Year):</b> July 2007 <b>Completion Date (Months/Year):</b> December 2007</p>	<p><b>Approx. Value of Services</b> UGX 400,000,000</p>
<p><b>Name of Associated Firm(s) if any:</b> N/A</p>	<p><b>No. of Months of Professional Staff Provided by Associated Firm (s):</b>N/A</p>
<p><b>Name of Senior Staff (Project Director/Coordinator, Team Leader) involved and functions performed:</b> F. Omolo-Okalebo (Physical Planner / Leader) Arch. Dr. Barnabas Nawangwe (Architect/ Planner)</p>	
<p><b>Narrative Description of Project:</b> Preparation of Structure and Detailed Master Plans for Selected urban Centres Countrywide</p>	
<p><b>Description of Actual Services Provided by your Staff</b> Brief Development, Preparation of consultative process, planning area proposals, structure plans and central area detailed master plans for selected urban centres in northern Uganda for the approval of the relevant authorities.</p>	

**Firm's Name:** TECHNOLOGY CONSULTS LTD

## FIRM'S REFERENCES

## MINISTRY OF LOCAL GOVERNMENT

## Preparation of Structure and Detailed Master Plans for Soroti, Kumi, Bukedea and Kaberamaido Urban Councils in Eastern Uganda

<p><b>Assignment Name:</b></p> <p>Preparation of Structure and Detailed Plans for 4 Urban Councils in Eastern Uganda.</p> <ol style="list-style-type: none"> <li>1. Soroti Town Council</li> <li>2. Kumi Town council</li> <li>3. Bukedea urban Council</li> <li>4. Kaberamaido Urban Council</li> </ol>	 <p style="text-align: center;">Bukedea Urban Council Structure Plan</p> <p><b>Country:</b> Uganda</p>
<p><b>Location within the Country</b> Northern - Uganda</p>	<p><b>Professional Staff Provided by Firm</b> Physical Planner, Land Economist, Environmental, Traffic /Transport Specialist, Urban Sociologist, Cartographer/Draughtsman &amp; Mass Communication</p>
<p><b>Name of Client</b> Ministry of Local Government In conjunction with Ministry of Lands Housing &amp; Urban Development</p>	<p><b>No. of Staff</b> 9</p>
<p><b>Address</b> P.O. Box Kampala</p>	<p><b>No. of Staff Months</b> 6</p>
<p><b>Start Date (Months/Year):</b> July 2007</p>	<p><b>Approx. Value of Services</b></p>
<p><b>Completion Date (Months/Year):</b> December 2007</p>	<p>UGX 400,000,000</p>
<p><b>Name of Associated Firm(s) if any:</b> N/A</p>	<p><b>No. of Months of Professional Staff Provided by Associated Firm (s):</b>N/A</p>
<p><b>Name of Senior Staff (Project Director/Coordinator, Team Leader) involved and functions performed:</b> F. Omolo-Okalebo (Physical Planner / Leader) Arch. Dr. Barnabas Nawangwe (Architect/ Planner)</p>	
<p><b>Narrative Description of Project:</b> Preparation of Structure and Detailed Master Plans for Selected urban Centres Countrywide</p>	
<p><b>Description of Actual Services Provided by your Staff</b> Brief Development, Preparation of consultative process, planning area proposals, structure plans and central area detailed master plans for selected urban centres in northern Uganda for the approval of the relevant authorities.</p>	

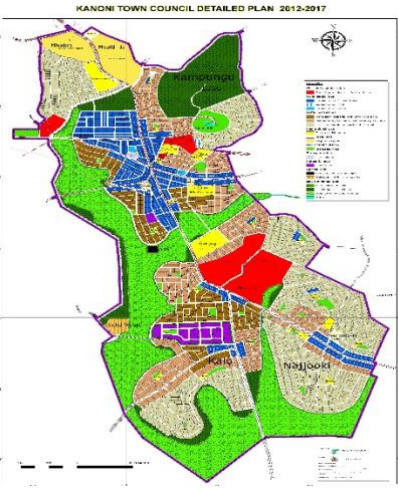
**Firm's Name:** TECHNOLOGY CONSULTS LTD



## FIRM'S REFERENCES

## KANONI TOWN COUNCIL

## Preparation of Structure and Detailed Master Plans for Kanoni Town Council


<p><b>Assignment Name:</b></p> <p>Preparation of Structure and Detailed Plans for Kanoni Urban Council.</p>	 <p style="text-align: center;">Kanoni Town Council Detailed Plan</p> <p><b>Country:</b> Uganda</p>
<p><b>Location within the Country</b></p> <p>Central- Uganda</p>	<p><b>Professional Staff Provided by Firm</b></p> <p>Physical Planner, Land Economist, Environmental, Traffic /Transport Specialist, Urban Sociologist, Cartographer/Draughtsman &amp; Mass Communication</p>
<p><b>Name of Client</b></p> <p>Kanoni Town Council, Gomba District Local Government</p>	<p><b>No. of Staff</b>                      9</p>
<p><b>Address</b>                      P.O. Box Mpigi</p>	<p><b>No. of Staff Months:</b>        6</p>
<p><b>Start Date (Months/Year):</b> 2011</p>	<p><b>Approx. Value of Services</b></p>
<p><b>Completion Date (Months/Year):</b> December 2012</p>	<p>UGX 42,000,000</p>
<p><b>Name of Associated Firm(s) if any:</b></p> <p>N/A</p>	<p><b>No. of Months of Professional Staff Provided by Associated Firm (s):</b>N/A</p>
<p><b>Name of Senior Staff (Project Director/Coordinator, Team Leader) involved and functions performed:</b></p> <p>Dr. Fredrick Omolo Okalebbo (Physical Planner / Leader)</p> <p>Arch. Dr. Barnabas Nawangwe (Architect/ Planner)</p>	
<p><b>Narrative Description of Project:</b></p> <p>Preparation of Structure and Detailed Plans for Selected urban Centres Countrywide</p>	
<p><b>Description of Actual Services Provided by your Staff</b></p> <p>Brief Development, Preparation of consultative process, planning area proposals, structure plans and central area detailed plans for selected urban centres in Central Uganda for the approval of the relevant authorities.</p>	

**Firm's Name:** TECHNOLOGY CONSULTS LTD

## FIRM'S EXPERIENCE

### MINISTRY OF ENERGY AND MINERAL DEVELOPMENT

#### Consultancy services for designing and upgrading of Nakasongola Strategic Fuel Reserves


<b>Assignment Name:</b>  Consultancy services for designing and upgrading of Nakasongola Strategic Fuel Reserves	
	<b>Country:</b> Uganda
<b>Location within the Country</b> Nakasongola District	<b>Professional Staff Provided by Firm</b> Petroleum engineer, Petroleum Facilities Management Expert, Architect, Structural & Civil Engineers, Electrical & Mechanical Engineers, Land Surveyor
<b>Name of Client</b> Ministry of Energy and Mineral Development	<b>No. of Staff</b> 08
<b>Address</b> P.O. Box 7270 , Kampala	<b>No. of Staff Months:</b> 06
<b>Start Date (Months/Year):</b> June 2014 <b>Completion Date (Months/Year):</b> December 2014	<b>Approx. Value of Services (in current USD):</b> \$255,000
<b>Name of Associated Firm(s) if any:</b> None	<b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> 00
<b>Name of Senior Staff (Project Manager/Coordinator, Team Leader) involved and functions performed:</b> <ol style="list-style-type: none"> <li>3. Eng. Dr. B. Kariko-Buhwezi (Mechanical Engineer/ Team Leader)</li> <li>4. Mr. Kaconco James (Petroleum Facilities Management Expert)</li> <li>5. Eng. Dr. JB Kirabira (Instrumentation Engineer)</li> <li>6. Eng. Dr. Henry Alinaitwe (Structural Engineer)</li> </ol>	
<b>Narrative Description of Project:</b> Redesigning of Nakasongola Strategic Fuel Reserves	
<b>Description of Actual Services Provided by your Staff</b> Structural Analysis of Tanks, Geotechnical Investigations, Site Layout Plans, Brief Development, Preparation of Outline Proposals, Scheme Design and Detailed Designs. Preparation of detailed working drawings, specifications, bills of quantities and other bidding documents; Fuel Demand/ Market Analysis	

Firm's Name: TECHNOLOGY CONSULTS LTD

## FIRM'S EXPERIENCE

### UGANDA INVESTMENT AUTHORITY

**Consultancy services to carry out a Feasibility Study develop a Business Plan, Prepare Technical Drawings and Tender Documents for the Medium, Small and Micro Enterprises' (MSME) Incubation Centre at Kampala Industrial Business Park (KIBP) Namanve for Uganda Investment Authority.**

<p><b>Assignment Name:</b> Consultancy services to carry out a Feasibility Study develop a Business Plan, Prepare Technical Drawings and Tender Documents for the Medium, Small and Micro Enterprises' (MSME) Incubation Centre at Kampala Industrial Business Park (KIBP) Namanve for Uganda Investment Authority.</p>	 <p style="text-align: center;">Consultative meeting for MSMEs in Kampala area</p>
<p><b>Location within the Country</b> Kampala Industrial Business Park, Namanve</p>	<p><b>Country:</b> Uganda</p> <p><b>Professional Staff Provided by Firm</b> Business Development Specialist, Architect, Structural &amp; Civil Engineers, Electrical &amp; Mechanical Engineers, Land Surveyor &amp; ICT Specialist.</p>
<p><b>Name of Client</b> Uganda Investment Authority</p>	<p><b>No. of Staff</b> 08</p>
<p><b>Address</b> P.O. Box , Kampala</p>	<p><b>No. of Staff Months:</b> 06</p>
<p><b>Start Date (Months/Year):</b> June 2013 <b>Completion Date (Months/Year):</b> On-going</p>	<p><b>Approx. Value of Services (in current USD):</b> \$115,000</p>
<p><b>Name of Associated Firm(s) if any:</b> None</p>	<p><b>No. of Months of Professional Staff Provided by Associated Firm (s):</b> 00</p>
<p><b>Name of Senior Staff (Project Manager/Coordinator, Team Leader) involved and functions performed:</b></p> <ol style="list-style-type: none"> <li>1. Eng. Dr. JK Byaruhanga (Project Manager / Business Development Specialist)</li> <li>2. Arch. Dr. B. Nawangwe (Architect)</li> <li>3. Dr. Stephen Mayende (Financial Analyst)</li> </ol>	
<p><b>Narrative Description of Project:</b> Feasibility and Business Plan for Business Incubator for MSME,s at KIBP Namanve</p>	
<p><b>Description of Actual Services Provided by your Staff</b> Feasibility Studies, Business planning, Brief Development, Preparation of Outline Proposals, Scheme Design and Detailed Designs. Preparation of detailed working drawings, specifications, bills of quantities and other bidding documents. Prequalification of Contractors and bid analysis and recommendation for award.</p>	

Firm's Name: TECHNOLOGY CONSULTS LTD

## **ROADS AND BRIDGES**

**BIDDER'S REFERENCE**

<b>Assignment Name:</b> Consultancy services for the Supervision of Maintenance works of selected National Roads in Package – 6 (325km)		<b>Country:</b> Uganda
<b>Location within country:</b> Ibanda, Kamwenge, Mbarara, Kabarole, Kyenjono, Hoima Districts		<b>Professional staff provided by your firm:</b> <ul style="list-style-type: none"> <li>• Senior Road Engineer</li> <li>• Measurement Engineer</li> <li>• Soils and Materials Engineer</li> <li>• Road Works Inspectors</li> <li>• Materials Technicians</li> </ul>
<b>Name of client:</b> Uganda National Roads Authority		<b>No. of Staff:</b>  17
<b>Address:</b> <b>Plot 5, Lourdel Road, Nakasero</b>		<b>No. Of Staff Months; Duration of assignment:</b> 9 months
<b>Start date</b> (Month/year) April, 2009	<b>Completion date</b> (Month/year) Jan, 2010	<b>Approx. Value of services (in current UGX)</b> 611,100,000/=
<b>Name of associated consultants if any:</b> Trio Consultants Ltd.		<b>No. of months of professional staff provided by associated consultants:</b> 1 months
<b>Name of senior staff (Project director/coordinator, team leader) involved and their functions:</b> Eng. Dr.A. G. Kerali (Seniro Higways Engineer) Eng. Dr.Anania Mbabazi (Measurent Engineer) Eng. Dr. Umaru Bagampadde (Materials Engineer)		
<b>Narrative description of project:</b> Provision of Consultancy services for the Supervision of Maintenance works of selected National Roads in Package – 6 (325km) comprising of: <ul style="list-style-type: none"> <li>• Ibanda – Kamwenge: 50km</li> <li>• Hoima (Kiziranfumbi) – Kabwoya – Kagadi: 69km</li> <li>• Katooke – Muzizi – Kagadi: 36km</li> <li>• Muzizi – Buremba: 52km</li> <li>• Buremba – Rwemiyaga – Bumegere: 40km</li> <li>• Biiso – Bukumi and Butiaba – Bukumi – Wanseko: 68km</li> <li>• Fortportal – Kyenjojo: 10km</li> </ul>		
<b>Description of Actual Services Provided by Your Staff:</b> Monitoring contractors' mobilisation, monitoring project progress, conducting materials tests and advising on the best materials to use, checking contractors' setting out of works, evaluating the performance during the defects liability period, supervision of drainage works and general re-gravelling operations.		

Name of Firm: TECHNOLOGY CONSULTS LTD

**BIDDER'S REFERENCE**

<b>Assignment Name:</b> Consultancy services for the Condition Assessment, Detailed Designs and Preparation of Tender Documents for the Periodic Maintenance of Paved National Roads – Package 2 (264km)		<b>Country:</b> Uganda
<b>Location within country:</b> Mityana, Mubende, Kyenjojo ,Kabarole, Ishaka, Busheyny, Mbarara, Ibanda.		<b>Professional staff provided by your firm:</b> <ul style="list-style-type: none"> <li>• Senior Road Engineer</li> <li>• Measurement Engineer</li> <li>• Soils and Materials Engineer</li> <li>• Road Works Inspectors</li> <li>• Materials Technicians</li> </ul>
<b>Name of client:</b> Uganda National Roads Authority		<b>No. of Staff:</b> 17
<b>Address:</b> <b>Plot 5, Lourdel Road, Nakasero</b>		<b>No. Of Staff Months; Duration of assignment:</b> 8 months
<b>Start date</b> (Month/year) June, 2009	<b>Completion date</b> (Month/year) February, 2010	<b>Approx. Value of services (in current UGX)</b> 102,050,000/=
<b>Name of associated consultants if any:</b> Trio Consultants Ltd.		<b>No. of months of professional staff provided by associated consultants:</b>  1 months
<b>Name of senior staff (Project director/coordinator, team leader) involved and their functions:</b>  Eng. Dr.A. G. Kerali (Seniro Higways Engineer)  Eng. Dr.Anania Mbabazi (Measurent Engineer)  Eng. Dr. Umaru Bagampadde (Materials Engineer)		
<b>Narrative description of project:</b> Provision of Consultancy services for the Condition Assessment, Detailed Designs and Preparation of Tender Documents for the Periodic Maintenance of Paved National Roads – Package 2 (264km)comprising of: <ul style="list-style-type: none"> <li>• Mityana - Mubende: 50km</li> <li>• Kyenjojo – FortPortal: 69km</li> <li>• Katungulu - Ishaka: 36km</li> <li>• Mbarara - Ibanda: 52km</li> </ul>		
<b>Description of Actual Services Provided by Your Staff:</b> Condition Assessment studies of the above road links, detailed engineering designs and preparation of tender documents.		

Name of Firm: TECHNOLOGY CONSULTS LTD

**BIDDER'S REFERENCE**

<b>Assignment Name:</b> Design and Construction supervision of Luzira Industrial Park Roads		<b>Country:</b> Uganda	
<b>Location within country:</b> Luzira – Kampala		<b>Professional staff provided by your firm:</b> • Road and Materials Engineers	
<b>Name of client:</b> Uganda Investment Authority		<b>No. of Staff:</b> 3	
<b>Address:</b> <b>P.O Box.7418, Kampala</b>		<b>No. Of Staff Months; Duration of assignment:</b> 6 months	
<b>Start date</b> (Month/year) July, 2007	<b>Completion date</b> (Month/year) Jan, 2010	<b>Approx. Value of services (in current US\$)</b> \$27,000	
<b>Name of associated consultants if any:</b> Nil		<b>No. of months of professional staff provided by associated consultants:</b> Nil	
<b>Name of senior staff (Project director/coordinator, team leader) involved and their functions:</b> Eng. Dr.A. G. Kerali (Senior Highways Engineer) Eng. Dr. Umaru Bagampadde (Materials Engineer) Dr. Dan Tindiwensi (Resident Engineer)			
<b>Narrative description of project:</b> Design and Construction supervision of Luzira Industrial Park Roads			
<b>Description of Actual Services Provided by Your Staff:</b> Surveying, Geotechnical Investigations, Materials testing, Road design (Geometric and Structural designs) and construction supervision.			

Name of Firm: TECHNOLOGY CONSULTS LTD

**BIDDER'S REFERENCE**

<b>Assignment Name:</b> Design of Namungoona Estate Roads		<b>Country:</b> Uganda	
<b>Location within country:</b> Namungoona – Kampala		<b>Professional staff provided by your firm:</b> • Road and Materials Engineers	
<b>Name of client:</b> National Housing and Construction Company Ltd.		<b>No. of Staff:</b> 5	
<b>Address:</b> P.O Box Kampala		<b>No. Of Staff Months; Duration of assignment:</b> 6 months	
<b>Start date</b> (Month/year) November, 2006	<b>Completion date</b> (Month/year) Jan, 2010	<b>Approx. Value of services (in current US\$)</b> UGShs. 45,872,500	
<b>Name of associated consultants if any:</b> Nil		<b>No. of months of professional staff provided by associated consultants:</b> Nil	
<b>Name of senior staff (Project director/coordinator, team leader) involved and their functions:</b> Eng. Dr.A. G. Kerali (Senior Highways Engineer) Eng. Dr. Umaru Bagampadde (Assistant Materials Engineer) Dr. Gidudu Anthony (Land Surveyor) Mr. B. Odongkara (Measurement Engineer) Mr. Kaddu David (Materials Technician)			
<b>Narrative description of project:</b> Detailed Engineering Design of Namungoona Housing Estate Road Network.			
<b>Description of Actual Services Provided by Your Staff:</b> Surveying, Geotechnical Investigations, Materials testing and detailed Road design (Geometric and Structural designs)			

Name of Firm: TECHNOLOGY CONSULTS LTD



**BIDDER'S REFERENCE**

<b>Assignment Name:</b> Review of the Preliminary Engineering Designs and Technical Assistance with the Procurement of Contracts Under the Backlog Roads Maintenance Programme (BRMP) in Uganda		<b>Country:</b> Uganda	
<b>Location within country:</b> South-East and Northern Uganda		<b>Professional staff provided by your firm:</b> • Road and Materials Engineers	
<b>Name of client:</b> Delegation of the European Union in Uganda		<b>No. of Staff:</b> 3	
<b>Address:</b> <b>P.O Box Kampala</b>		<b>No. Of Staff Months; Duration of assignment:</b> 6 months	
<b>Start date</b> (Month/year) March, 2007	<b>Completion date</b> (Month/year) Jan, 2010	<b>Approx. Value of services (in current US\$)</b> \$37,000	
<b>Name of associated consultants if any:</b> NTU Strategic Development & Consulting, Denmark (Hydrate Consortium Member)		<b>No. of months of professional staff provided by associated consultants:</b> Nil	
<b>Name of senior staff (Project director/coordinator, team leader) involved and their functions:</b>  Eng. Dr.A. G. Kerali (Senior Highways Engineer)  Eng. Dr. Umaru Bagampadde (Materials Engineer)  Eng. Dr. J.A. Mwakali (Structural Engineer)  Mr. I. Mulindwa (Materials Technician)			
<b>Narrative description of project:</b> Review of the Preliminary Engineering Designs and Technical Assistance with the Procurement of Contracts Under the Backlog Roads Maintenance Programme (BRMP) in Uganda			
<b>Description of Actual Services Provided by Your Staff:</b> Surveying, Geotechnical Investigations, Materials testing and detailed Road design (Geometric and Structural designs), Preparation of Bills of Quantities, Tendering.			

Name of Firm: TECHNOLOGY CONSULTS LTD

**BIDDER'S REFERENCE**

<b>Assignment Name:</b> Periodic Maintenance of Masaka – Bukakata Road		<b>Country:</b> Uganda	
<b>Location within country:</b> Masaka - Bukakata		<b>Professional staff provided by your firm:</b> • Road and Materials Engineers	
<b>Name of client:</b> Ministry of Works, Housing and Communications		<b>No. of Staff:</b> 5	
<b>Address:</b> P.O Box 10, Entebbe		<b>No. Of Staff Months; Duration of assignment:</b> 6 months	
<b>Start date</b> (Month/year) April, 2005	<b>Completion date</b> (Month/year) Sept. 2005	<b>Approx. Value of services (in current US\$)</b> UGShs. 103,730,000/=	
<b>Name of associated consultants if any:</b> Nil		<b>No. of months of professional staff provided by associated consultants:</b> Nil	
<b>Name of senior staff (Project director/coordinator, team leader) involved and their functions:</b> Eng. Dr.A. G. Kerali (Senior Highways Engineer) Eng. Dr. Umaru Bagampadde (Assistant Materials Engineer) Mr. Paul Mujugumbya (Materials Engineer) Mr. B. Odongkara (Measuremet Engineer) Mr. I. Mulindwa (Materials Technician) Mr. D. Cheptoek (Clerk of Works)			
<b>Narrative description of project:</b> Supervision of General Repairs works and Re-gravelling of Masaka – Bukakata Road.			
<b>Description of Actual Services Provided by Your Staff:</b> Checking compliance of materials (mainly lateritic gravel) used in the works with specifications. General supervision and quality control of routine maintenance works involving grading, windrow operations, etc. Design and supervision of new drainage paths for the storm water. Re design and supervision of earthworks in the low lying sections of the road.			

Name of Firm: TECHNOLOGY CONSULTS LTD

**BIDDER'S REFERENCE**

<b>Assignment Name:</b> Periodic Maintenance of Kafu - Nakasongola Road		<b>Country:</b> Uganda	
<b>Location within country:</b> Kafu – Nakasongola		<b>Professional staff provided by your firm:</b> • Road and Materials Engineers	
<b>Name of client:</b> Ministry of Works, Housing and Communications		<b>No. of Staff:</b> 5	
<b>Address:</b> <b>P.O Box 10, Entebbe</b>		<b>No. Of Staff Months; Duration of assignment:</b> 6 months	
<b>Start date</b> (Month/year) 2001	<b>Completion date</b> (Month/year) 2002	<b>Approx. Value of services (in current US\$)</b> \$67,000	
<b>Name of associated consultants if any:</b> Nil		<b>No. of months of professional staff provided by associated consultants:</b> Nil	
<b>Name of senior staff (Project director/coordinator, team leader) involved and their functions:</b> Eng. Dr.B.M. Kiggundu (Senior Materials Engineer) Eng. Dr. Umaru Bagampadde (Assistant Materials Engineer) Mr. Paul Mujugumbya (Materials Engineer) Mr. R. Lule (Measuremet Engineer) Mr. I. Mulindwa (Materials Technician) Mr. J. Kamira (Clerk of Works)			
<b>Narrative description of project:</b> Supervision of General Repairs works and application of a new seal on Kafu - Nakasongola Road.			
<b>Description of Actual Services Provided by Your Staff:</b> General supervision and quality control of periodic maintenance works involving application of a new seal in form of an overlay, etc. Design and supervision of surface drainage. Checking compliance of the materials used in the works in conformity with specifications.			

Name of Firm: TECHNOLOGY CONSULTS LTD

**BIDDER'S REFERENCE**

<b>Assignment Name:</b> Supervision of Periodic Maintenance contracts – Package II Northern Roads		<b>Country:</b> Uganda	
<b>Location within country:</b> Karuma – Kamdini		<b>Professional staff provided by your firm:</b> Highway, Road and Materials Engineers	
<b>Name of client:</b> Ministry of Works, Housing and Communications		<b>No. of Staff:</b> 5	
<b>Address:</b> <b>P.O Box 10, Entebbe</b>		<b>No. Of Staff Months; Duration of assignment:</b> 6 months	
<b>Start date</b> (Month/year) 2002	<b>Completion date</b> (Month/year) 2002	<b>Approx. Value of services (in current US\$)</b> UGShs. 162,100,500/=	
<b>Name of associated consultants if any:</b> Nil		<b>No. of months of professional staff provided by associated consultants:</b> Nil	
<b>Name of senior staff (Project director/coordinator, team leader) involved and their functions:</b> Eng. Dr.B.M. Kiggundu (Project Manager) Mr. M. Wettala (Assistant Materials Engineer) Mr. Paul Mujugumbya (Materials Engineer) Mr. R. Lule (Measuremet Engineer) Mr. I. Mulindwa (Materials Technician) Mr. J. Kamira (Clerk of Works)			
<b>Narrative description of project:</b> Contract for the consultancy services for supervision of periodic maintenance of roads.			
<b>Description of Actual Services Provided by Your Staff:</b> Contract consisted of supervision of the Repair / resealing works of Karuma – Kamdini road 78km.			

Name of Firm: TECHNOLOGY CONSULTS LTD

**BIDDER'S REFERENCE**

<b>Assignment Name:</b> Design and Construction Supervision of Access road to Kyambogo University		<b>Country:</b> Uganda	
<b>Location within country:</b> Kyambogo University		<b>Professional staff provided by your firm:</b> Road and Materials Engineers	
<b>Name of client:</b> Kyambogo University Council		<b>No. of Staff:</b>  6	
<b>Address:</b> <b>P.O Box 1, Kyambogo</b>		<b>No. Of Staff Months; Duration of assignment:</b> 6 months	
<b>Start date</b> (Month/year) April 2003	<b>Completion date</b> (Month/year) Ongoing	<b>Approx. Value of services (in current US\$)</b> \$102,000	
<b>Name of associated consultants if any:</b> Nil		<b>No. of months of professional staff provided by associated consultants:</b> Nil	
<b>Name of senior staff (Project director/coordinator, team leader) involved and their functions:</b>  Eng. Dr.U. Bagampadde (Technical Team Leader)  Mr. Paul Mujugumbya (Project Coordinator)  Ms. MAY Namutebi (Materials Engineer)  Mr. I. Mulindwa (Materials Technician / Clerk of Works)			
<b>Narrative description of project:</b> Complete Repair, creation of walkways and protection of the drain by stone pitching and associated works.			
<b>Description of Actual Services Provided by Your Staff:</b> Detailed structural and geometric designs of Fisher road for Kyambogo University. Made briefs for documentations; guiding tendering process, supervision of implementation; management and coordination.			

Name of Firm: TECHNOLOGY CONSULTS LTD

**BIDDER'S REFERENCE**

<b>Assignment Name:</b> Materials Quality Assurance on the Repair and Resealing of Kampala – Jinja Road (24KM) and Kawempe – Wobulenzi Road (42km).		<b>Country:</b> Uganda	
<b>Location within country:</b> Kampala, Mukono, Mpigi and Luweero Districts.		<b>Professional staff provided by your firm:</b> Road and Materials Engineers	
<b>Name of client:</b> Ministry of Works, Housing and Communications		<b>No. of Staff:</b> 2	
<b>Address:</b> P.O Box 10, Entebbe		<b>No. of Staff Months; Duration of assignment:</b> 6 months	
<b>Start date</b> (Month/year) 1997	<b>Completion date</b> (Month/year) 1998	<b>Approx. Value of services (in current US\$)</b> \$102,000	
<b>Name of associated consultants if any:</b> Associated Consulting Engineers		<b>No. of months of professional staff provided by associated consultants:</b> 12	
<b>Name of senior staff (Project director/coordinator, team leader) involved and their functions:</b>  Eng. Dr. B.M. Kiggundu (Senior Materials Engineer)  Eng. Dr.U. Bagampadde (Assistant Materials Engineer)			
<b>Narrative description of project:</b> General repair works and application of an overlay on Kawempe – Wobulenzi and Kampala-Jinja Roads.			
<b>Description of Actual Services Provided by Your Staff:</b> Checking compliance of the materials (Bitumen and Aggregates) used in the works with specifications.			

Name of Firm: TECHNOLOGY CONSULTS LTD

**BIDDER'S REFERENCE**

<b>Assignment Name:</b> Conceptualization, Design and Supervision of Major Rehabilitation of Observatory Hill Road.		<b>Country:</b> Uganda	
<b>Location within country:</b> Makerere University		<b>Professional staff provided by your firm:</b> Road and Materials Engineers	
<b>Name of client:</b> Makerere University Council		<b>No. of Staff:</b> 3	
<b>Address:</b> <b>P.O Box 7062, Kampala</b>		<b>No. of Staff Months; Duration of assignment:</b> 12	
<b>Start date</b> (Month/year) 1999	<b>Completion date</b> (Month/year) 2000	<b>Approx. Value of services (in current US\$)</b> UGShs. 45,100,000/=	
<b>Name of associated consultants if any:</b> Survecon Associates (Quantity Surveyors)		<b>No. of months of professional staff provided by associated consultants:</b> 2	
<b>Name of senior staff (Project director/coordinator, team leader) involved and their functions:</b>  Eng. Dr. B.M. Kiggundu (Project Manager)  Eng. Dr.U. Bagampadde (Design Engineer)			
<b>Narrative description of project:</b> Complete Rehabilitation of Observatory ill road in Makerere University.			
<b>Description of Actual Services Provided by Your Staff:</b> Conceptualization, detailed planning, design and construction supervision undertaken on Observatory Hill road between June 1999 and September, 2000.			

Name of Firm: TECHNOLOGY CONSULTS LTD



**BIDDER'S REFERENCE**

<b>Assignment Name:</b> Draft White Paper on Sustainable Maintenance of District, Urban and Community Access Roads		<b>Country:</b> Uganda	
<b>Location within country:</b> Country wide		<b>Professional staff provided by your firm:</b> Architects, structural engineers, electrical engineers.	
<b>Name of client:</b> Royal Danish Embassy / Ministry of Works, Housing and Communications.		<b>No. of Staff:</b> 6	
<b>Address:</b> P.O Box 11243, Kampala		<b>No. of Staff Months; Duration of assignment:</b> 6	
<b>Start date</b> (Month/year) April 2000	<b>Completion date</b> (Month/year) October 2000	<b>Approx. Value of services (in current US\$)</b> \$32,123	
<b>Name of associated consultants if any:</b> Nil		<b>No. of months of professional staff provided by associated consultants:</b> Nil	
<b>Name of senior staff (Project director/coordinator, team leader) involved and their functions:</b> Mr. Nduru (General Coordinator) Dr. Mackay Okure (Technical Team Leader)			
<b>Narrative description of project:</b> Production of a Draft White paper to be used by the Ministry of Works, Housing and Communications on sustainable Maintenance of District, Urban and community access roads.			
<b>Description of Actual Services Provided by Your Staff:</b> Designs and briefs for documentations; guiding tendering process; supervision of implementation; management and coordination.			

Name of Firm: TECHNOLOGY CONSULTS LTD

**BIDDER'S REFERENCE**

<b>Assignment Name:</b> Rehabilitation of Makerere Roads		<b>Country:</b> Uganda	
<b>Location within country:</b> Makerere University		<b>Professional staff provided by your firm:</b> Road and Materials Engineers	
<b>Name of client:</b> Makerere University Council.		<b>No. of Staff:</b>  3	
<b>Address:</b> <b>P.O Box 7062, Kampala</b>		<b>No. of Staff Months; Duration of assignment:</b> 4	
<b>Start date</b> (Month/year) Nov. 2007	<b>Completion date</b> (Month/year) Dec. 2009	<b>Approx. Value of services (in current US\$)</b> UGShs.60,000,000	
<b>Name of associated consultants if any:</b> Nil		<b>No. of months of professional staff provided by associated consultants:</b> Nil	
<b>Name of senior staff (Project director/coordinator, team leader) involved and their functions:</b>  Eng. Dr. U. Bagampadde (Roads Engineer)  Mr. Paul Mujugumbya (Materials Engineer)  Mr. Kaddu David (Materials Technician / Works Inspector)			
<b>Narrative description of project:</b> Correct subgrade problems, correct drainage problems, resealing and applying hot mix asphalt.			
<b>Description of Actual Services Provided by Your Staff:</b> Designs, construction supervision, materials inspection and testing and approvals, certificate preparations and chairing site meetings.			

Name of Firm: TECHNOLOGY CONSULTS LTD

**BIDDER'S REFERENCE**

<b>Assignment Name:</b> Design and Construction Supervision of Hill Road, Hill Lane and Circular Road		<b>Country:</b> Uganda	
<b>Location within country:</b> Entebbe Municipal Council		<b>Professional staff provided by your firm:</b> Road and Materials Engineers	
<b>Name of client:</b> Entebbe Municipal Council		<b>No. of Staff:</b> 4	
<b>Address:</b> <b>P.O Box 34, Entebbe</b>		<b>No. of Staff Months; Duration of assignment:</b> 4	
<b>Start date</b> (Month/year) Sep. 2010	<b>Completion date</b> (Month/year) Nov. 2011	<b>Approx. Value of services (in current US\$)</b> UGShs. 78,113,000/=	
<b>Name of associated consultants if any:</b> Nil		<b>No. of months of professional staff provided by associated consultants:</b> Nil	
<b>Name of senior staff (Project director/coordinator, team leader) involved and their functions:</b> Eng. Dr.U. Bagampadde (Roads Engineer) Mr. Mulindwa Imaam) Mr. Kaddu David (Materials Technician / Works Inspector)			
<b>Narrative description of project:</b> Checking Compliance of materials used in the works with specifications. Design and supervision of new drainage paths for the storm water. Re design and supervision of earthworks in the low lying sections of the road.			
<b>Description of Actual Services Provided by Your Staff:</b> Designs, construction supervision, materials inspection and testing and approvals, certificate preparations and chairing site meetings.			

Name of Firm: TECHNOLOGY CONSULTS LTD

PROJECT TITLE	STATUS	CONTRACT SUM (SERVICES)	CLIENT	% PROGRESS
Consultancy services for the Supervision of Rehabilitation Works of Cluster 3 Roads: Rehabilitation of Nalufenya – Clive Road Jinja Municipality	Ongoing	UGX 422,000,000/=	Ministry of Lands Housing and Urban Development represented by JINJA Municipal Council	97%



PROJECT TITLE	STATUS	CONTRACT SUM (SERVICES)	CLIENT	% PROGRESS
Consultancy services for the Supervision of Periodic Maintenance Works of Selected National Roads (12 Lots): Lot 02 Kibuuku-Nyabusoji (14km) and Kahunge-Bisozi-Rwamwanja (34km) contracted by M/S Armpass Technical Services Ltd	Completed	UGX 332,600,000/= SERVICES FOR LOT 2	Uganda National Roads Authority	100%



PROJECT TITLE	STATUS	CONTRACT SUM (SERVICES)	CLIENT	% PROGRESS
<p>Consultancy services for the Supervision of Periodic Maintenance Works of Selected National Roads (12 Lots): Lot 6; Nyakabirizi-Burere-Nsiika Road (45km) contracted by M/S Greystone Investments Ltd</p>	<p>Completed</p>	<p>UGX 332,600,000/= SERVICES FOR LOT 2</p>	<p>Uganda National Roads Authority</p>	<p>100%</p>





PROJECT TITLE	STATUS	CONTRACT SUM (SERVICES)	CLIENT	% PROGRESS
Consultancy services for the Supervision of Periodic Maintenance Works of Selected National Roads (12 Lots): Lot 02: Rwamwanja-Mbuza-Rweitengya-Kihura (34km) Road contracted by M/S Clido Company Ltd.	Completed	UGX 332,600,000/= SERVICES FOR LOT 2	Uganda National Roads Authority	100%



PROJECT TITLE	STATUS	CONTRACT SUM (SERVICES)	CLIENT	% PROGRESS
<p>Consultancy services for the Supervision of Periodic Maintenance Works of Selected National Roads (Lot 9): Ngetta-Apala-Adwari (46Km) Contracted by M/S Mostom Company Ltd.</p>	<p>Completed</p>	<p>UGX 332,600,000/= SERVICES FOR LOT 9</p>	<p>Uganda National Roads Authority</p>	<p>100%</p>



PROJECT TITLE	STATUS	CONTRACT SUM (SERVICES)	CLIENT	% PROGRESS
<p>Consultancy services for the Supervision of Periodic Maintenance Works of Selected National Roads (Lot 9): Akia-Aloi-Olilim (88Km) Contracted by M/S Universal Engineering Ltd</p>	<p>Completed</p>	<p>UGX 277,250,000/=</p>	<p>Uganda National Roads Authority</p>	<p>100%</p>



## **WATER AND SANITATION**

## MINISTRY OF WATER AND ENVIRONMENT (WSDF-N)

### Consultancy Services for Feasibility Studies, Detailed Engineering Designs and Preparation of Tender Documents for 8 Rural Growth Centres in West Nile (Lot 1)

<b>Assignment Name</b> Consultancy services for Feasibility. Studies, detailed engineering designs and preparation of tender documents for 8 Rural Growth Centres in West Nile	<b>Country</b> Uganda
<b>Location within the Country</b> <ul style="list-style-type: none"> <li>• Arua (Okollo &amp; Ovujjo)</li> <li>• Moyo (Loferi)</li> <li>• Yumbe (Midigo)</li> <li>• Nebbi (Paidha and Zombo)</li> <li>• Maracha-Terego (Omugo)</li> <li>• Adjumani (Adjumani)</li> </ul>	<b>Professional Staff Provided by Firm</b> <ul style="list-style-type: none"> <li>• Design Engineer (Water &amp; Sanitation Expert)</li> <li>• Surveyor</li> <li>• Hydrologist</li> <li>• Hydro-geologist</li> <li>• EIA Expert</li> <li>• Socio-Economist</li> </ul>
<b>Name of Client</b> Government of Uganda Ministry of Water and Environment.	<b>No. of Staff</b> 13
<b>Address</b> P. O. Box 20026 Kampala, Uganda	<b>No. of Staff Months:</b> 10
<b>Start Date (mm/yy):</b> June 2009 <b>Completion Date (mm/yy):</b> Feb 2010	<b>Approx. Value of Services in US \$</b> \$ 116,500
<b>Name of Associated Firm(s) if any:</b> Associated Engineering Surveyors Ltd Scan Water Contactors and Consultants	<b>No. of Months of Professional Staff Provided by Associated Firms (s):</b> 10
<b>Name of Staff Involved and Functions Performed:</b> <ul style="list-style-type: none"> <li>• Eng. Dr. Kariko-Buhwezi – Project Manager/ Quality Assurance Specialist</li> <li>• Eng. Dr. Anania Mbabazi - Team Leader/Water &amp; Sanitation Engineer</li> <li>• Eng. Isaac Mutenyo -Design Engineer</li> <li>• Eng. Henry Kiggundu - Hydro geologist</li> <li>• Eng. Michael Kizza-Hydrologist</li> <li>• Dr. Florence Nhangendo - Socio-Economist</li> </ul>	
<b>Narrative Description of Project:</b> The main objective of this assignment was to carry out feasibility studies, and prepare detailed engineering designs and tender documents for the selected RGCs in the West Nile Region.	
<b>Description of Actual Services Provided by your Staff</b> <ul style="list-style-type: none"> <li>(i) Carried out baseline surveys</li> <li>(ii) Determined the per capita consumption and demand estimates</li> <li>(iii) Ground water and surface water investigations</li> <li>(iv) Assessed existing sanitation and hygiene situations</li> <li>(v) Preliminary water supply designs options</li> <li>(vi) Designs for sanitation facilities at public places</li> </ul>	

- (vii) Detailed engineering surveys and designs for the best options
- (viii) Assessed potential environmental impacts for the water supply and sanitation options
- (ix) Water Quality analysis and treatment methods
- (x) Detailed narrative engineering designs, specifications and BOQs
- (xi) Formulated strategy for gender, hygiene, and sanitation integration and private sector participation for sustainable management and maintenance of the water supply and sanitation facilities.

**NAME OF FIRM: TECHNOLOGY CONSULST LTD**

## FIRM'S EXPERIENCE

### MINISTRY OF WATER AND ENVIRONMENT (WSDF-N)

#### Consultancy Services for Feasibility Studies, Detailed Engineering Designs and Preparation of Tender Documents for 9 Rural Growth Centers in Northern Uganda (Lot 2)

<b>Assignment Name</b> Consultancy services for Feasibility. Studies, detailed engineering designs and preparation of tender documents for 9 Rural Growth Centers in Northern Uganda	<b>Country</b> Uganda
<b>Location within the Country</b> <ul style="list-style-type: none"> <li>• Kitgum (Padibe)</li> <li>• Pader (Kalongo and Patongo)</li> <li>• Amolatar (Amolatar)</li> <li>• Gulu (Opit)</li> <li>• Apac (Ibuje)</li> <li>• Lira (Ogur)</li> <li>• Amuru (Amuru)</li> <li>• Oyam (Anyeke)</li> </ul>	<b>Professional Staff Provided by Firm</b> <ul style="list-style-type: none"> <li>• Design Engineer (Water &amp; Sanitation Expert)</li> <li>• Surveyor</li> <li>• Hydrologist</li> <li>• Hydro-geologist</li> <li>• EIA Expert</li> <li>• Socio-Economist</li> </ul>
<b>Name of Client</b> Government of Uganda Ministry of Water and Environment.	<b>No. of Staff</b> 13
<b>Address</b> P. O. Box 20026 Kampala, Uganda	<b>No. of Staff Months:</b> 10
<b>Start Date (mm/yy):</b> June 2009 <b>Completion Date (mm/yy):</b> Feb 2010	<b>Approx. Value of Services in US \$</b> \$ 117,000
<b>Name of Associated Firm(s) if any:</b> Associated Engineering Surveyors Ltd Scan Water Contactors and Consultants	<b>No. of Months of Professional Staff Provided by Associated Firms (s):</b> 10
<b>Name of Staff Involved and Functions Performed:</b> <ul style="list-style-type: none"> <li>• Eng. Dr. Kariko Buhwezi – Project Manager/ Quality Assurance Specialist</li> <li>• Eng. Dr. Anania Mbabazi - Team Leader/Water &amp; Sanitation Engineer</li> <li>• Eng. Isaac Mutenyo -Design Engineer</li> <li>• Eng. Henry Kiggundu - Hydro geologist</li> <li>• Eng. Michael Kizza-Hydrologist</li> <li>• Dr. Florence Nhangendo - Socio-Economist</li> </ul>	
<b>Narrative Description of Project:</b> The main objective of this assignment was to carry out feasibility studies, and prepare detailed engineering designs and tender documents for the selected RGCs in the West Nile Region.	



**Description of Actual Services Provided by your Staff**

- (xii) Carried out baseline surveys
- (xiii) Determined the per capita consumption and demand estimates
- (xiv) Ground water and surface water investigations
- (xv) Assessed existing sanitation and hygiene situations
- (xvi) Preliminary water supply designs options
- (xvii) Designs for sanitation facilities at public places
- (xviii) Detailed engineering surveys and designs for the best options
- (xix) Assessed potential environmental impacts for the water supply and sanitation options
- (xx) Water Quality analysis and treatment methods
- (xxi) Detailed narrative engineering designs, specifications and BOQs
- (xxii) Formulated strategy for gender, hygiene, and sanitation integration and private sector participation for sustainable management and maintenance of the water supply and sanitation facilities.

**NAME OF FIRM: TECHNOLOGY CONSULST LTD**

## FIRM'S EXPERIENCE

## MINISTRY OF WATER AND ENVIRONMENT (WSDF-N)

**Consultancy Services for Feasibility Studies, Detailed Engineering Designs for Moyo Town Council Piped Water Supply and Sanitation System**

<b>Assignment Name</b> Consultancy services for Feasibility. Studies, detailed engineering designs for Moyo Town Council Piped Water Supply and Sanitation System	<b>Country</b> Uganda
<b>Location within the Country</b> <ul style="list-style-type: none"> <li>• Moyo, West Nile</li> </ul>	<b>Professional Staff Provided by Firm</b> <ul style="list-style-type: none"> <li>• Design Engineer (Water &amp; Sanitation Expert)</li> <li>• Surveyor</li> <li>• Hydrologist</li> <li>• Hydro-geologist</li> <li>• EIA Expert</li> <li>• Socio-Economist</li> </ul>
<b>Name of Client</b> Government of Uganda Ministry of Water and Environment. (WSDF-N)	<b>No. of Staff</b> 13
<b>Address</b> P. O. Box 20026 Kampala, Uganda	<b>No. of Staff Months:</b> 10
<b>Start Date (mm/yy):</b> January 2012 <b>Completion Date (mm/yy):</b> May 2013	<b>Approx. Value of Services in US \$</b> \$ 88,000
<b>Name of Associated Firm(s) if any:</b> Associated Engineering Surveyors Ltd Scan Water Contactors and Consultants	<b>No. of Months of Professional Staff Provided by Associated Firms (s):</b> 10
<b>Name of Staff Involved and Functions Performed:</b> <ul style="list-style-type: none"> <li>• Eng. Dr. Kariko Buhwezi – Project Manager/ Quality Assurance Specialist</li> <li>• Eng. Simon Peter Otoi - Team Leader/Water &amp; Sanitation Engineer</li> <li>• Eng. Amurice Ekomolloh -Design Engineer</li> <li>• Mr. Kasozi Samuel - Hydro geologist</li> <li>• Eng. Albert Rugumayo-Hydrologist</li> <li>• Dr. Florence Nhangendo - Socio-Economist</li> </ul>	
<b>Narrative Description of Project:</b> The main objective of this assignment was to carry out feasibility studies, and prepare detailed engineering designs and tender documents for Moyo Town Council.	

**Description of Actual Services Provided by your Staff**

- Carried out baseline surveys to determine the per capita consumption and demand estimates
- Ground water and surface water investigations
- Assessed existing sanitation and hygiene situations
- Preliminary water supply designs options
- Designs for sanitation facilities at public places
- Detailed engineering surveys and designs for the best options
- Assessed potential environmental impacts for the water supply and sanitation options
- Water Quality analysis and treatment methods
- Detailed narrative engineering designs, specifications and BOQs
- Formulated strategy for gender, hygiene, and sanitation integration and private sector participation for sustainable management and maintenance of the water supply and sanitation facilities.

**NAME OF FIRM: TECHNOLOGY CONSULST LTD**

## FIRM'S EXPERIENCE

### MINISTRY OF WATER AND ENVIRONMENT

#### Development of a Framework for the Management System for Equipment for Water for Production

<b>Assignment Name</b> Development of a Framework for the Management System for Equipment for Water For Production.	<b>Country</b> Uganda
<b>Location within the Country</b> <ul style="list-style-type: none"> <li>• Western: Mbarara, Isingiro, Kiruhura, Lyantonde, and Rakai.</li> <li>• Central: Mpigi, Mubende, Kiboga, Nakasongora, and Nakaseke.</li> <li>• Eastern: Moroto, Kumi, Soroti, Katakwi, Bugiri, and Nakapiripirit.</li> <li>• Northern: Lira, Apac, Kotido, Kaabong, and Abim.</li> </ul>	<b>Professional Staff Provided by Firm</b> <ul style="list-style-type: none"> <li>• Business Management Specialist – Team Leader</li> <li>• Development Specialist</li> <li>• Socio-Economist</li> <li>• Mechanical Engineer Specialist</li> <li>• Civil Engineers</li> </ul>
<b>Name of Client</b> Government of Uganda -Ministry of Water and Environment.	<b>No. of Staff</b> 6
<b>Address</b> P. O. Box 20026 Kampala, Uganda	<b>No. of Staff Months:</b> 10
<b>Start Date (mm/yy):</b> August 2008 <b>Completion Date (mm/yy):</b> Feb 2009	<b>Approx. Value of Services in US \$</b> \$ 50,000
<b>Name of Associated Firm(s) if any:</b> Nil	<b>No. of Months of Professional Staff Provided by Associated Firms (s):</b> Nil
<b>Name of Staff Involved and Functions Performed:</b> <ul style="list-style-type: none"> <li>• Eng. Dr. Anania Mbabazi -Project Manager/Team Leader</li> <li>• Eng. Simon P. Otoi -Civil Engineer</li> <li>• Eng. Isaac Mutenyo -Business Management Specialist</li> <li>• Dr. Abby J. Sebina Zziwa -Development Specialist</li> <li>• Mr. Ferd Kafureka Socio-Economist</li> <li>• Eng. Dr. Kariko-Buhwezi -Mechanical Engineer Specialist</li> </ul>	
<b>Narrative Description of Project:</b> The main objective of this assignment was to develop 'A Framework for the Management of Construction Equipment under Water for Production'.	
<b>Description of Actual Services Provided by your Staff</b>	

- (i) Identify possible institutional arrangements to take care of construction equipment.
- (ii) Develop specific roles and responsibilities of different users and the operators in the management of the equipment at community, sub-county, district, Technical Support Units and Central Government levels.
- (iii) Develop criteria for accessing the equipment by the intended users.
- (iv) Propose approaches for marketing as well as empowering the intended users to demand for the equipment.
- (v) Explore contributions to be met by the intended users to ensure sustainability of the equipment.
- (vi) Propose measures to be undertaken to ensure safety / security of equipment.
- (vii) Define ownership of the equipment and specific associated roles and responsibilities.
- (viii) Develop/recommend procedures to be used for identification/procurement of caretakers to operate the equipment.
- (ix) Propose procedures for the operators to ensure equitable use of the equipment and to guide the operators to efficiently and effectively manage the equipment.
- (x) Propose routine operations and maintenance arrangements for the operators to undertake.

**NAME OF FIRM: TECHNOLOGY CONSULTS LTD**

## FIRM'S REFERENCES

### UNITED NATIONS DEVELOPMENT PROGRAMME (UNDP)

#### Design of Ruhira Millennium Village Piped Water Supply and Sanitation Project.

<b>Assignment Name</b> Design of Ruhira Millennium Village Piped Water Supply and Sanitation Project.	<b>Country</b> Uganda
<b>Location within the Country</b> Ruhira – Isingiro District.	<b>Professional Staff Provided by Firm</b> <ul style="list-style-type: none"> <li>• Civil Engineers - Hydraulics/Water Resources</li> <li>• Environmental Assessment Expert</li> <li>• Water Line/Route Surveyor</li> <li>• Social Economist</li> <li>• Quantity surveyor</li> <li>• Environmental Assessment Expert</li> <li>• Civil Engineers - Geotechnical Specialist</li> </ul>
<b>Name of Client</b> United Nations Development Program [UNDP] - Ruhira Millennium Village Project	<b>No. of Staff</b> 10
<b>Address</b> Plot 15 B Clement Hill Road, P.O. Box 7184 Kampala, Uganda	<b>No. of Staff Months:</b> 10
<b>Start Date (mm/yy):</b> August 2008 <b>Completion Date (mm/yy):</b> Feb 2009	<b>Approx. Value of Services in US \$</b> \$ 50,000
<b>Name of Associated Firm(s) if any:</b> Nil	<b>No. of Months of Professional Staff Provided by Associated Firms (s):</b> Nil
<b>Name of Staff Involved and Functions Performed:</b> <ul style="list-style-type: none"> <li>• Eng. Dr. Anania Mbabazi - Project Manager/Team Leader</li> <li>• Mr. David Ihalwe Kimoimo - Financial Analyst</li> <li>• Eng. Mutenyo Isaac Civil Engineer - Hydraulics (Water Resources) Engineer</li> <li>• Mr. Nathan Batungi - Water Line/Route Surveyor</li> <li>• Mr. Cyprian I. Inyangat - Quantity surveyor</li> <li>• Mr. Ferd Kafureka - Social Economist</li> <li>• Dr. Frank Kansiime - Environmental Assessment Expert</li> <li>• Eng. Dr. Umaru Bagampadde - Civil Engineer /Geotechnical Specialist</li> <li>• Eng. Simon P. Otoi - Design Engineer</li> <li>• Mr. Kenneth Muniina - Civil Engineer</li> </ul>	
<b>Narrative Description of Project:</b> Design of four water schemes (Ruhira, Kabuyanda, Kyeyare, Kyenyanga): population, 26,500 people; total pipeline length, 250 km; scheme type, pumped scheme/gravity scheme; project cost = USD 1,364,938. Project area, about 140 km <sup>2</sup> .	
<b>Description of Actual Services Provided by your Staff</b>	

- (i) Carry out a 'willingness and affordability' to pay survey (to design a form for approval by the client), and the expected demand (initial and final year through a period of 20 years) in order to identify potential customers;
- (ii) Get commitments from the local communities to contribute towards financing of the projects.
- (iii) Assess the entire cluster's water resources.
- (iv) Carry out route surveys and prepare technical designs of the scheme components (source protection, treatment units, primary transmission lines, pumping system, first stage storage reservoirs, secondary transmission, second storage reservoirs, distribution system etc all taking into consideration the rural set up) in liaison with the Millennium Village Project Infrastructure team.
- (v) Carry out a financial analysis of the designs and propose a phasing system if needed of the construction.
- (vi) Propose a tariff and management system for the schemes and subsidy policy (i.e. level of subsidy) if need be.
- (vii) Undertake an environmental scoping and Environmental Impact Assessment in accordance with the National Environment Management Authority regulations.
- (viii) Review analysis of the entire water supply system in liaison with the System Operator and Distribution Concessionaires to determine the impact of proposed water resources developments on the entire water balance of the basin.
- (ix) Liaise with DWD to obtain available literature about the area and development plans in the areas of water and sanitation for the project area.
- (x) Report to UNDP the results of field surveys showing the viability of given schemes from a financial/economic/environmental and technical point of view and recommendations for network strengthening and/or development to be undertaken by the System Operator and/or Distribution Concessionaire.
- (xi) Analyze and give recommendations on the Bidding Documents for Supply and Installation of Plant and Equipment.
- (xii) Prepare final BOQ's and the engineers' estimate.
- (xiii) Prepare water abstraction permits requests to DWD

**NAME OF FIRM: TECHNOLOGY CONSULTS LTD**



## FIRM'S REFERENCES

### MINISTRY OF WATER, LANDS & ENVIRONMENT

#### Extension of Ssezibwa self-powered Pumping Water Supply scheme to Kayanja-Namagunga Institutional Community

<b>Assignment Name:</b> Extension of Ssezibwa self-powered Pumping Water Supply scheme to Kayanja-Namagunga Institutional community	<b>Country:</b> Uganda
<b>Location within the Country</b> Namagunga –Lugazi	<b>Professional Staff Provided by Firm</b>
<b>Name of Client</b> Ministry of Water, Lands and Environment	<b>No. of Staff</b> 5
<b>Address</b> P.O. Box 10, Entebbe	<b>No. of Staff Months:</b> 6
<b>Start Date (Months/Year):</b> October 2001 <b>Completion Date (Months/Year):</b> 2002	<b>Approx. Value of Services in US \$</b> \$ 38,500
<b>Name of Associated Firm(s) if any:</b> Nil	<b>No. of Months of Professional Staff Provided by Associated Firms (s):</b> Nil
<b>Name of Senior Staff (Project Manager, Consultants) involved and functions performed:</b> Eng. Dr. Badru M. Kiggundu (Project Manager) Mr. M Wetala (Assistant Materials Engineer) Mr Paul Mujugumbya (Materials Engineers) Mr Lule R (Measurement Engineer)	
<b>Narrative Description of Project:</b> Extension of Ssezibwa self-powered Pumping Water Supply scheme to Kayanja-Namagunga Institutional community	
<b>Description of Actual Services Provided by your Staff</b> Design of water supply system	

### 3. QUALITY ASSURANCE

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#### 3.1 Quality Assurance Approach

Our prime objective is to implement a project to the satisfaction of the Client in a manner, which conforms to good professional standards, including contractual and regulatory requirements.

Achieving good quality is dependent on all aspects of our operation such as requirements for high quality staff and for establishment of sound project administration and procedures. The QA philosophy underlying our approach is that QA, as much as possible be a normalization and documentation of normal good professional practices developed over the last few years by the Consultant.

#### 3.2 Quality Assurance Plan

The policy aims at satisfying among others, the following primary goals

- Client satisfaction consistent with professional standards and ethics
- Continuous improvement of the services;
- Giving consideration to the requirements of the society; and
- Efficiency and integrity in the provision of services.

Based on the elements of quality provision, the management guidance for projects is laid down in a Quality Plan defining:

- The quality objectives to be attained;
- The specific allocation of responsibilities and authority depending on the project nature;
- The specific procedures, method and work instructions to be applied;
- Suitable inspection, examination and auditing programmes at appropriate stages
- Incorporation of contracting authority's requirements;
- Methods for changing the quality plan, if required; and
- Any other measures to meet the objective.

The implementation of the quality assurance procedures will be checked and monitored by the proposed Quality Assurance Specialist to ensure that excellence is achieved in the provision of our services to the client. This is with regard to the following:

- Team composition and responsibilities
- Management of non-conformances, corrective and preventative action
- Progress management and
- Control of data and quality records

### **3.3 Routine Control**

This is carried out by the Consultants Team of personnel directly involved in the implementation of the project. It involves checks on all project elements, e.g. co-ordination and control of objectives and assumptions, control of methodologies applied, control and co-ordination of work-plans, control of texts, calculation and measurements, control of interface with other part of the project or other projects, control of observance of codes, standards, authority regulations, etc.