Dans Nshekanabo Naturinda

Name	**Eng. Dans Nshekanabo Naturinda**
Profession:	Civil Engineer/Construction Manager
Nationality:	Ugandan
Date of Birth:	October 28, 1973
Marital Status:	Married with three children
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Key Qualifications:

I am a Civil Engineer/Construction Manager with sixteen years of experience in the design and management of engineering projects, contract procurement and negotiations, and general management in a construction business environment. I have been involved in several engineering projects in Uganda, and coordination and management of construction undertakings with various organisations. I am also involved in training and teaching of engineers, construction managers and other professionals involved in the construction industry.

I worked as a Project Manager for the Mid-Southern Towns Water and Sanitation Project under the Directorate of Water Development to develop water supply infrastructure. This was in addition to various assignments including project engineer for Small Towns Water and Sanitation Project, Systems Manager for Rakai Water Supply and Design Engineer involved in design and reviewing designs, carrying out feasibility studies and preparing funding proposals for projects in Uganda.

I have also worked as a Technical Director of MED Technologies, a construction company in Uganda, where I have managed construction contracts of several engineering projects, design consultancies and prepared proposals and technical reports, in addition to general management and administration of the company. I have also offered design and construction management services to a number of other private organisations.

I have been engaged by Makerere University under the School of Built Environment where I have administered construction management training for graduate and undergraduate students, coordinated research activities, and taught a number of construction management courses. I have also worked with the Uganda Institution of Professional Engineers to provide a number of organizational services for Continuous Professional Development for engineers in Uganda.

I am conversant with computer use with knowledge of several applications and packages including but not limited to Microsoft Office Applications, Microsoft Project, AutoCAD, WaterCAD, Visual C++, and SPSS, and with ability to easily learn and use any software that may be necessary.

Education:

- Master of Science in Civil Engineering (Const. Management), MakerereUniversity, 2007
- Bachelor of Science in Engineering (Civil) (2nd Class Upper), Makerere University, 1998
- MSI PhD Fellowship in Construction Management, Makerere University, ongoing

Specialised Training:

- Leadership Training, Regional Leadership Institute, Nairobi, Kenya, 2006
- Quality Management Training on ISO 9000, Uganda National Bureau of Standards, 2000

Membership to Professional Organisations:

- Corporate Member, Uganda Institution of Professional Engineers
- Registered Engineer, Engineers' Registration Board of Uganda
- Member, World Association of Young Scientists

Membership to Other Organisations:

- Member, Lions Clubs International under the Lions Club of Kampala Central
- Chairperson, National Steering Committee, Lions Quest Uganda

Professional and Social Responsibilities:

- Honorary Secretary, Uganda Institution of Professional Engineers, 2010/2011
- Chairman, National Technology Forum Steering Committee, 2009/2010
- Chairman, Uganda Institution of Professional Engineers, Kampala Branch, 2009/2010
- Vice Chairman, Membership Education and Training Committee of UIPE, 2009/2010
- Executive Member, Governing Council of Uganda Institution of Professional Engineers, 2009-2013
- Member of the Governing Council of Uganda Technical College Bushenyi, 2009 – 2012
- Member of the Governing Council of Uganda Technical College Kichwamba, 2013 – 2016
- Chairman, Planning and Development Committee, Uganda Technical College Bushenyi, 2009/2012
- Chairman, Planning and Development Committee, Uganda Technical College Kichwamba, 2013/2016
- Member, Finance Committee, Uganda Technical College Bushenyi, 2009/2012
- Member, Finance Committee, Uganda Technical College Kichwamba, 2013/2016
- Member, Students' Affairs Committee, Uganda Technical College Bushenyi, 2009/2012
- Member, Transport Sector Working Committee, Ministry of Works and Transport, 2011/2012
- Member, Joint Technical Task Force, Kampala Capital City Authority, 2011/2012

- Vice Chairman, Uganda Institution of Professional Engineers, Kampala Branch, 2008/2009
- Executive Member, Uganda Institution of Professional Engineers, Kampala Branch, 2007/2008
- President, Lions Club of Kampala Central, 2013/2014
- Chairman Campaign SightFirst, Lions Club of Kampala Central, 2007/2008
- Melvin Jones Fellow, Lions Clubs International Foundation

Experience Record

Management, Consultancy, Training and Teaching

2006 – to date, teaching at Makerere University

Responsible for teaching Project Development, Project Management and Control, Construction Business Management, Organisation Theory and Human Resource Management for graduate students, and Principles of Management, Construction Management, Construction Contract Law/Administration, Construction Economics, Construction Materials, and Civil Engineering Economy for undergraduate students.

2008 – 2011, CPD Facilitator, Uganda Institution of Professional Engineers

Responsible for identification of training and development needs for practicing engineers, preparation of training and management courses, presentation at Continuous Professional Development (CPD) seminars, publications, and organisational services at professional conferences.

2009 – 2011, Strategic Planning, Uganda Institution of Professional Engineers

In charge of development of a ten-year strategic plan of the Uganda Institution of Professional Engineers to guide the institution in spearheading the development and integration of engineering science and technology into public policy and promoting higher engineering standards in Uganda.

2003 – 2004 MED Technologies Ltd./Associated Consulting Engineers

Project Coordinator, National Strategy for Rainwater Harvesting

Coordination of the project to develop a National Rainwater Harvesting Strategy, for the Ministry of Water, Lands and Environment, involving all the districts in Uganda.

General Management

2007 to date, Makerere University – Coordinator, Postgraduate Training and Research

Engaged under the Department of Construction Economics to coordinate and manage postgraduate training and management education, administration of research projects, supervision of research and industrial training.

2002 to 2009, MED Technologies Ltd. – Technical Director

Charged with administration of technical services, planning and coordination of activities, procurement and management of contracts, and preparation of technical proposals and reports, and technical backstopping to other professionals.

1999 – 2001, Project Manager, Mid Southern Towns Water and Sanitation Project, Directorate of Water Development (DWD)

Responsible for planning and preparation of project implementation documents and financial plans, resource mobilisation, procurement of services and supplies, monitoring and evaluation, and general administration of the project for water supply infrastructure covering ten towns located in Masaka, Sembabule and Wakiso Districts.

1998 - 1999, Systems Manager, Rakai Town Water Supply, Directorate of Water Development

In charge of management of Rakai Town Water Supply involving water treatment and pumped transmission and distribution, operation and maintenance of the prepayment systems, planning and operation and maintenance of the entire water supply, promotion of safe water use in the town, mobilisation and involvement of the community in water supply activities and regular reporting to the Directorate of Water Development.

Contract Management

July 2012 to date, Team Leader, ASSPRO Group

Contract for supervision and management of construction projects under the Universal Post Primary Education and Training (UPPET) of the Ministry of Education and Sports including, classroom blocks, laboratory blocks, and administrative blocks for 54 secondary schools throughout the country.

January 2009 – 2011 – Contract Manager; Construction of Classroom Block and Library

A contract for Kyeizooba Girls' Secondary School in Bushenyi to construct a three-storey building with 15 classrooms, library, laboratories and offices under MED Technologies.

January 2009 – 2011 – Contract Manager; Contract for Road Repair Works

Rehabilitation of Malere- Kumi, Kolir-Sironko, Bugema Army Barracks Access, Buyaga-Buluganya and Mbale Railway Crossing Roads under MED Technologies

January 2008 – January 2009 – Contract Manager (MED Technologies); Construction of Treatment Plant for Arua Town Water Supply

A contract under National Water and Sewerage Corporation to construct rapid sand filters, contact tanks and clarifiers for Arua Town Water Supply in the West Nile region of Uganda.

January – August 2007 – Contract Manager; Construction of Nakifuma Town Water Supply

A contract under the Ministry of Water and Environment, to construct a piped water supply system for NakifumaTown in Central Uganda. The project involved ground water sources, transmission mains, distribution network and a 100m^3 steel tank on a 12m steel tower.

March – August 2006 – Contract Manager; Rehabilitation of Buziga, Makindye, Kololo and Buziga Water Tanks

A contract under National Water and Sewerage Corporation – Kampala Water, to rehabilitate pressed steel tanks in Kampala of capacities ranging between 100m^3 and 2400m^3.

June 2005 – December 2005, MED Technologies Ltd. – Contract Manager; Construction of Public Standposts and Extension of Distribution Mains in Kampala

A contract under Kampala City Council to construct 100 No. public water standposts and up to 10km of distribution mains in five divisions of Kampala.

November 2004 - August 2005 MED Technologies Ltd. – Contract Manager; Construction of Kachumbala Water Supply

Management of a project to construct a water supply system for Kachumbala Town in Kumi District under the Ministry of Water, Lands and Environment. The work involves construction of the intake, pumping system, transmission (pumped) main, distribution reservoir (60m^3 steel), distribution network and a water office.

October 2003 – January 2005 MED Technologies Ltd. – Contract Manager; Construction of Steel Tanks in Rural Growth Centres

Management of a project to construct 8No. steel tanks of capacities ranging between 50 and 90m^3, in seven towns, under the Ministry of Water, Lands and Environment.

January – March 2005 MED Technologies Ltd. – Contract Manager; Construction of Public Standposts in Urban Poor Parishes

A contract under Kampala City Council to construct 40 No. public water standposts in five divisions of Kampala.

November – March 2005 MED Technologies Ltd. – Contract Manager; Rehabilitation of Mitaano-Katojo and Kanungu-Kabaranga Roads

Management of the contract for rehabilitation of the two roads in Kanungu District with a total length of 30km, involving grading, shaping, graveling and drainage works.

March – August 2004 MED Technologies Ltd. – Contract Manager; Construction of Water Mains and Reticulation Network in Kamwokya

A contract under National Water and Sewerage Corporation to extend the water supply distribution main and construct the reticulation network in Kamwokya – Kifumbira, Kampala.

November 2001 – January 2003 MED Technologies Ltd. – Construction Contract Administration; In charge of administration and coordination of the following contracts

- Construction of Rurama Water Supply Scheme in Kanungu District
- Construction of Shuuku Water Supply Scheme in Bushenyi District
- Construction of Rubindi Water Supply Scheme in Mbarara District
- Construction of office blocks in Sembabule and Masaka for the Ministry of Water, Lands and Environment
- Construction of Kishami Road in Ntungamo District
- Construction of valley tanks in Sembabule and Mubende
- Rehabilitation of boreholes in Bugiri and Mayuge Districts
- Drainage works on Ntungamo – Kagamba Road

Design and Construction Supervision

January 2004 – April 2006, MED Technologies Ltd./Associated Consulting Engineers; Design Engineer/Construction Manager

Design and construction supervision of water supply systems for Kobokho, Paidha and Yumbe towns, under Ministry of Water, Lands and Environment.

March 2003 – February 2004 MED Technologies Ltd./Associated Consulting Eng. Project Coordinator; National Strategy for Rainwater Harvesting

Coordination of the project to develop a National Rainwater Harvesting Strategy, for the Ministry of Water, Lands and Environment.

2001 – 2003 MED Technologies Ltd. – Design Engineer

Carried out preliminary and detailed designs for water supply schemes for:

- Namutumba Town in Iganga District,
- Kassanda Town in Mubende District,
- Bwizibwera, Ishongororo, Kazo and Rugaaga Towns in Mbarara District,
- Katwe and Kashenyi Towns in Bushenyi District,
- Matugga and Nakawukka Towns in Mpigi District,
- Buvuma Gravity Flow Scheme in Mukono District,
- Bukuya Gravity Flow Scheme in Mubende District,
- Ndeija, Rukiri and Kicuzi Gravity Flow Schemes in Mbarara District, and
- Kasaana and Kabaale Gravity Flow Schemes in Bushenyi District

2002: Design Engineer, Associated Consulting Engineers

Contracted by the Associated Consulting Engineers and carried out feasibility studies and preliminary designs for Katovu Trading Centre in Masaka District and Kakiri Barracks

2001, Site Engineer – Pillar Construction, Buhaura Gravity Flow Scheme

Engaged by Pillar Construction to supervise construction of Buhaura Gravity Flow Scheme in Kasese District.

2000, Engineer – DWD, Mid West Rural Water & Sanitation Project Proposal

With a team of other professionals carried out general survey of the water supply sector in the districts of Kibaale, Hoima, Masindi, Nakasongora, Mpigi, Masaka and Sembabule. The main aim was to roughly estimate the needs for new infrastructure and global investment required, assess district capacities and propose a choice of two districts in which to implement the proposed new project.

1999, Engineer – DWD, Central Belt Towns Water Project Funding Proposal

With a team of other professionals, carried out a rapid assessment of the existing water and sanitation situations, collected baseline information and carried out rough designs and investment cost projections, to be submitted to AFD for funding consideration of a package of ten towns including Kakumiro, Kibaale and Kagadi in Kibaale District, Kigoroobya in Hoima District, Kigumba and Kiryandongo in Masindi District, Kamdini, Minakulu, Loro, Apac and Aduku in Apac District and Aloi in Lira District.

1998-1999, Project Engineer, Small Towns Water and Sanitation Project (DWD), Design of Intake Works and Treatment System for Rakai Water Supply

Collected all the necessary data, analysed it and designed the clarifier and intake works, and produced detailed designs and tender documents for the construction of the works.

1999, Project Engineer, Small Towns Water and Sanitation Project (DWD), Design and Construction Supervision of Rakai Water Supply Extension

Carried out detailed pipe route surveys for the extension, collected socio-demographic data to determine the water demand and location of water points, carried out detailed designs of the extension, produced an engineering report and tender documents for construction. Initiated the procurement of the contractor through competitive bidding, bid evaluation and preparation and processing of contract documents, and supervision of the construction works.

1997, Engineer (Trainee), Small Towns Water and Sanitation Project (DWD)

As an Engineer (Trainee) carried out design reviews for the towns of Lyantonde, Ntungamo, Busia, Malaba and Luwero, participated in the evaluation of contractors for construction and supervised the final stages of Rakai Water Supply construction.

1997, Site Engineer, M & E Associates

Was responsible for supervision of works for Rainwater Harvesting Systems, shallow wells and deep boreholes in Apac District under the Northern Uganda Reconstruction Project – Water Sub-Project.

Research Papers and Publications:

- Naturinda D. N. and Kerali A. G. (2013), *An investigation into the quality of natural pozzolans in Uganda for use in Construction*; Proceedings of the SIDA Regional Collaboration Conference, July 31st to August 2nd, 2013, Dar es Salaam, Tanzania
- Naturinda D. N. (2011), *Engineering fragmentation in Uganda: the challenges of accrediting engineering programs*; Proceedings of the 4th Africa-UK Partnership Programme Workshop, November 16 – 17, 2011, Harare, Zimbabwe.
- Naturinda D. N., Tindiwensi D., 2007, *Motivation of Workers and Construction Value Management,* Proceedings of the Conference on Collaborative Research for Technological Development, 17th – 21st December 2007, Makerere University, Kampala Uganda
- Naturinda D. N., 2007, *The Role of Worker Motivation in Construction Value Management,* Unpublished MSc Dissertation, Department of Civil Engineering, Makerere University, Kampala, Uganda.
- Naturinda D. N., Ntale H. K. Rubarenzya M. H., Kasingye K., 2005, *The Rainwater harvesting Strategy in Uganda*, 31st WEDC Conference Proceedings, Kampala Uganda
- Naturinda D. N., Rubarenzya Mark Henry, Kasingye Kyamugambi, 2005, *Cost Recovery and Affordability Challenges for Small Urban Water Supply Schemes: The Case of Rakai Town, Uganda*. EWRA Conference Proceedings, Cairo, Egypt, December 2005
- Naturinda D. N., Rubarenzya M. H., 2006, *The Impact of Gravity Flow Schemes on the Environment: The Case of Shuuku.* EWRI – IIT Kapur Conference Proceedings, New Delhi, India, December 2006.
- Naturinda D. N., Ngirane-Katashaya G., and Kabananukye, K., 2003, *National Rainwater Harvesting Strategy*, Policy proposal for the Ministry of Water, Lands and Environment

- Naturinda D. N. and Wozei Eleanor, 1998, *Spring water quality improvement in slums*, 24th WEDC Conference Proceedings, IslamabadPakistan
- Naturinda D. N., 1997, *Improvement of Springs for low-cost water supply in low-lying sub-urban areas: The case of Katanga in Kampala*. BSc Report, Department of Civil Engineering, Makerere University, Uganda.