



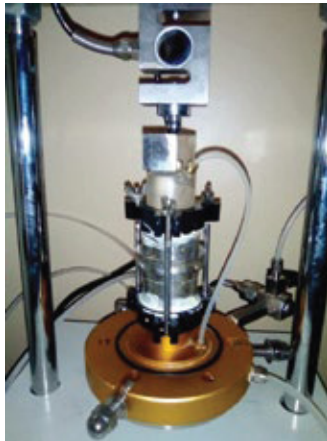
RSV

ENGINEERING GROUP

(Civil Consulting, Structural and Construction,
Geophysical, Laboratory Testing and
Geotechnical Engineering)

RSV CIVIL ENGINEERING MATERIALS LABORATORY

(Geotechnical Investigations, Soil tests,
Aggregate Tests, Asphalt Tests,
Concrete Tests, Water Tests, Construction
Quality Control and Geophysical
Investigation), Structural Integrity
Tests and Analysis



Company Profile

RSV Engineering Group Ltd

Material Testing, Civil Engineers, Construction and Geotechnical Engineering Services “What do buildings and great companies have in common? It’s the synergy from all individual parts that make them up coming together to create something much bigger and greater than themselves”

■ RSV Engineering Group Ltd

is a multi disciplinary firm that provides professional technical services by offering the most Efficient Civil Engineering Materials Laboratory Testing, Geotechnical Engineering services and Geophysical Investigation to optimize resources on the side of our clients

■ WHO WE ARE?

RSV Civil Engineering Materials Laboratory is part of RSV Engineering Group Ltd that provides Commercial Laboratory Testing of Civil Engineering Materials such as soil tests, aggregate tests, asphalt tests, concrete tests and water tests”

Legally we are registered as RSV Engineering Group Ltd but operating as RSV Materials Laboratory. The laboratory also offers geotechnical & highway pavement design services, in situ construction quality control, geophysical, geotechnical investigation services and structural integrity tests

The Laboratory now employs quite a number of specialist professionals and a good number of these are Registered Engineers. One of the founding engineers is an active member of Deep Foundation Institute (DFI). RSV Civil Engineering Materials Laboratory has a network of experts from different countries who contribute to the best practices in each and every project we handle as a Laboratory.

■ Mission

To help build a better tomorrow through safe and sustainable infrastructure projects.

■ Vision

- **Innovative spirit:** we strive to be innovative and creative.
- **Cohesiveness:** we work together to achieve team work mentality.
- **Advancement:** we advance through continuous learning through periodic training.
- **Responsibility:** we are responsible towards our staff, community and the environment.
- **Excellence :** we strive for excellence in our service delivery procedures.
- **Safety:** We are all responsible for the safety of our employees, subcontractors and the public.

RSV Engineering Group Ltd

■ OUR SERVICES

At RSV Civil Engineering Materials Laboratory, we provide a range of specialist services in Commercial Laboratory Testing, Construction Quality Control, Geotechnical Engineering Services, structural integrity tests and Geophysical Surveys.

Our major services are profiled on our website: www.rsvegroup.com, Please make a selection from our Services menu for detailed information on our complete range of services.

■ LABORATORY TESTING OF CIVIL ENGINEERING MATERIALS

RSV Civil Engineering Materials Laboratory operates a fully- fledged laboratory (i.e.,RSV Materials Laboratory) situated on Plot 1038, UCB Zone, Bukoto within Kampala City.

The Laboratory offers geotechnical investigations, comprehensive Materials Testing of soils, aggregates, water,concrete, structural integrity services, construction quality control, geophysical surveys and geotechnical design.



RSV Engineering Group Ltd Premises

OUR SERVICES

Geotechnical Investigations for, roads, bridges, buildings, power plants, pipelines, railways, harbours, airports, drainage channels, transmission lines etc. Geophysical Investigation, Structural Integrity tests and analysis on buildings and bridges, Aggregate Tests, Concrete Tests, Water Tests, Bitumen/ Asphalt Tests, Laboratory testing of Soils, Pavement Design, Geotechnical Design, Construction Quality Control and Supervision

■ GEOTECHNICAL ENGINEERING SERVICES

Geotechnical Engineering services offered by our company are divided into Five Divisions, mainly; Geotechnical investigations, Geotechnical Designs, Geophysical Surveys, Geotechnical Construction and Laboratory Testing.

■ 1. Soils & Materials Investigations

Our company offers geotechnical investigation services to our clients for the proposed construction sites such as, Supervision of drilling works including logging of strata, Geotechnical Report writing (factual and interpretative), Borehole drilling and sampling, Standard Penetration Tests, Dynamic cone Penetrometer tests (DCP), Dynamic Probing Light tests (DPL), Shear vane tests, Test pitting, Augering, Permeability test for Rock, Material Sampling and Geological field mapping.



Multi Speed CBR Machines



Trial Pit Excavation



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Construction with screw piles



**Geotechnical Investigation for
the Proposed Bukasa Port**



Construction of spread footing



**Offshore Borehole Drilling
at Ntoroko Jetty"**

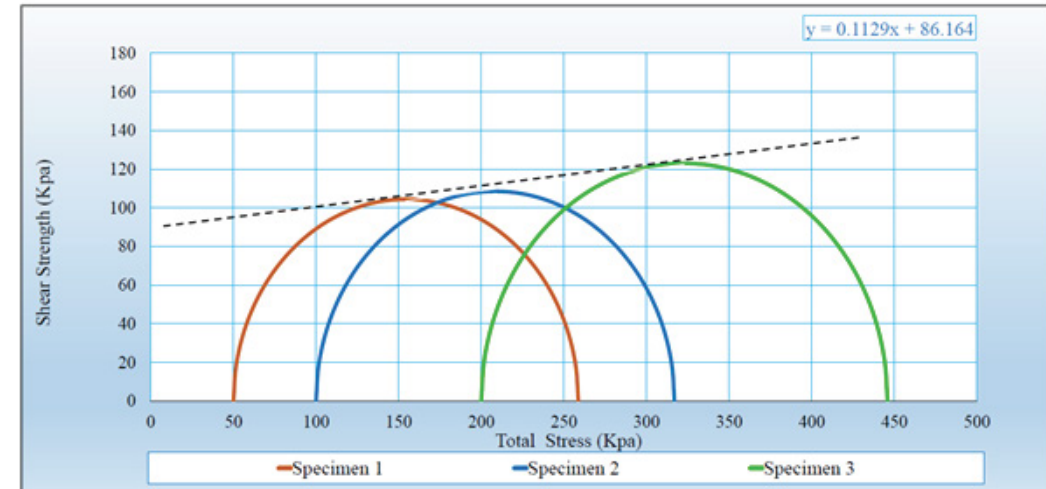
■ 2. Laboratory Testing

We operate a fully- fledged laboratory on Plot 1038, UCB Zone, Bukoto Kampala which has the following sections:

- Soil tests (civil engineering material tests and Agricultural tests)
- Concrete tests
- Aggregate tests
- Water tests
- Bitumen and Asphalt test

The above tests are executed in full compliance with established local and international standards that include:

- American Association for State Highways and Transportation Officials (AASHTO)
- British Standard Institution (BSI)
- European Standard (EN)
- American Society for Testing and Materials (ASTM)
- Uganda Ministry of Works and Transport Specifications.



Mohr Circles from Triaxial Tests

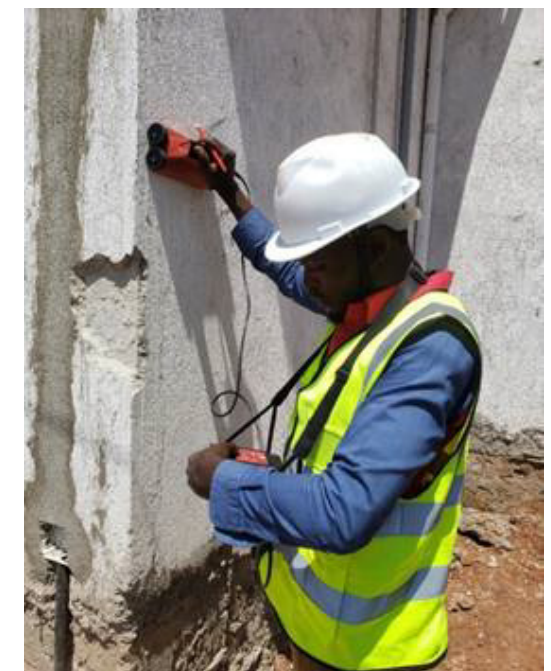


05

Cone Penetrometer



Triaxial Machine



Structural Integrity Assessment

J. Geotechnical Designs

We are experts in Design of shallow and deep foundations, Design of large box Culverts, Slope stability Analysis, Design of conventional retaining walls, Flexible Pavement design, Pipeline Design, Rigid Pavement Design, Geotechnical Modelling using soft wares such as GEO5, PLAXIS, GEOSLOPE and centrifuge modelling.



Seismic Reaction Survey along Muko-Katuna

4. Geophysical surveys

Our company offers geophysical surveys to our clients in project areas of Transmission lines, Electrical substations, Hydropower sector, Oil and gas and mining industries such as, Refraction Seismic Surveys, Multi-channel Analysis Of Surface Waves (MASW), Spectral Analysis of Surface Waves (SASW), Continuous Seismic Wave Modeling (CSW), Cross Hole Seismic, Down Hole Seismic, Electrical Resistivity and Remote Sensing.



Concrete Slump Test Equipment



Typical Profile from an offshore Borehole at Bukasa Port

Central Storage Container



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Equipment Store



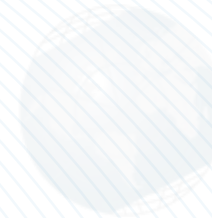
Typical Rock Profile

■ 5. Geotechnical Construction

Our company offers geotechnical construction solutions to our clients on proposed construction sites such as, Supervision of tunnel construction and modelling, Supervision and Construction of shallow and deep foundations, testing of piles (static Pile load tests, Low strain integrity Tests), Construction of Gabions and other Retaining Structures, Supervision and Construction of large box culverts, Supply and laying of Geotextiles. We expertly manage the unique requirements associated with highly sophisticated systems and processes during construction to reduce costs and schedule for our clients. We combine an in-depth knowledge and experience of all aspects of construction with a unique sensitivity to the scheduling and function of your facility while minimizing the effects of construction so that your operations remain on track.



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KEY STAFF

RSV Materials Laboratory has the following key experts:

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LIST OF SELECTED PROJECTS EXECUTED

Date	Project Name	Location	Client	Logo
01/12/2022 to 05/12/2022	Structural Assessment for a Development in Kayunga	Kayunga	UEGCL	
30/11/2022 to 08/12/2022	Geotechnical Investigations for the Core Drilling on the Reclaimed Platforms at Bukasa Swamp	Bukasa	GAUFF Engineering Ltd	
09/11/2022 to 23/11/2022	Bwizi-Nkamo-Kahunge Water Supply System	Kamwenge District	Water For Production (WFP)	
03/11/2022 to 14/11/2022	KCCA Roads	Kampala Metropolitan Area	Kampala Capital City Authority (KCCA)	
31/10/2022 to 28/11/2022	Geotechnical Investigations for the Proposed Solar Power Project in Adjumani	Adjumani District	Xsabo Nkongwe Solarline II Ltd	
26/10/2022 to 28/10/2022	Field Density for Bollore Namanve	Namanve	Fabrication Systems (U) Ltd	
22/10/2022 to 02/11/2022	Geotechnical Investigations for the Proposed West Nile Call and Dispatch Centre	Arua city	Enabel and Ministry of Health	
19/10/2022 to 28/10/2022	Geotechnical Investigations for the Proposed Warehouse & Offices	Namanve	Bodawerks International Ltd	
30/08/2022 to 06/09/2022	Geotechnical Investigations for the Proposed Nakivale Water Supply System	Isingiro District	UNHCR	

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11/08/2022 to 18/08/2022	Geotechnical Investigations for the Proposed Roofing Tiles Assembly Line at Kajjansi Factory	Kajjansi Factory	Uganda Clays Ltd	
08/08/2022 to 15/08/2022	Geotechnical Investigations for the Design Review and Construction Supervision of Nyamugasani Water Supply and Sanitation System	Kasese District	SMEC International Pty Ltd	
15/07/2022 to 08/08/2022	Geotechnical Investigations for the Design and Build of 5 Selected Bridges	Kabarole District; Dunga, Mahoma, Mpanga, Nabuswa & Perepa Bridges along Bukuku-Rubona Road	Armpass Technical Services Ltd	
21/06/2022 to 22/07/2022	Geotechnical Investigations for the Proposed Water for Oil Refinery in Hoima District	Hoima District	VIA International Engineering Consultancy LLC	
14/06/2022 to 29/06/2022	Geotechnical Investigation for the Proposed Masaka-Mbarara 400kV Transmission Lines and Associated Sub-stations	Masaka to Mbarara Line	Larsen & Toubro Limited	
01/03/2022 to 05/04/2022	Soils & Materials Investigations and Pavement Design for the Consultancy Services for Feasibility Study and Detailed Engineering Design of for Proposed Najera-Kira-Kiwologoma Road	Kira Municipality, Wakiso District	Kira Municipal Council	
03/08/2021 to 10/03/2022	Soils & Materials Investigation for Consultancy Services for Feasibility Study and Detailed Engineering Design of Katuna - Muko (66.6 km) and Muko - Kachwekano - Kamuganguzi (38km)	Kabale and Rubanda Districts	VIA International Engineering Consultancy LLC	
07/03/2022 to 14/03/2022	Geotechnical Investigation for the Proposed National Building Research Centre	Lubowa, Wakiso District	National Building Review Board	
09/02/2022 to 03/03/2022	Geotechnical Investigation for the Proposed Unyama and Nyimur Bridges along the Proposed Bibia-Nyimur Gravel Road	Bibia-Nyimur Gravel Road	Adriax Consults SMC Limited	
07/08/2021 to 10/02/2022	Soils & Materials Investigations and Pavement Design for the Construction and Upgrading of N4, N2, Kasindi-Beni (80km) and Beni-	North (Nord) Kivu province of the Democratic	Adriax Consults SMC Limited in Association	

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	Butembo (54km) and N28 and N2, Bunagana-Rutshuru-Goma (89km) including investigations for 15 bridges	Republic of Congo (DRC)	with DOTT SERVICES DSL SARLU	
19/09/2021 to 03/03/2022	Soil & Materials Investigations including Pavement & Geotechnical Designs for the Proposed Unyama, Achwa Bridge and Nyimur Bridges for the Proposed Bibia-Nyimur Gravel (41km) Road	Amuru District	Sobetra Uganda Ltd, Otada Construction Company Ltd	
30/09/2021 to 03/02/2022	Soils, Materials Investigations and Pavement Design for Upgrading of Kkungu-Bivanju Road (2.3km), St. Kizito Loop (1.7km), Kito-Kirinya Road (700m) and Mandela Road (600m)	Kira Municipality, Wakiso District	Kira Municipal Council	
07/02/2022 to 17/02/2022	As Built Structural Integrity Assessment for Mt. Olive SDA Church Building	Mbawo zone, Kamuli Road, Kireka in Kira Municipality of Wakiso District	National Building Review Board	
09/11/2021 to 28/12/2021	Soil & Materials Investigations for Track Refurbishment for the Kampala – Namanve, Tororo – Malaba Railway Track	Kampala – Namanve, Tororo – Malaba Railway Track Line	Geomechanics Uganda Ltd in Association with Consultrans	
30/11/2021 to 11/12/2021	Geotechnical Investigation for the Design and Build of the Proposed Lions Swamp Crossing in Turutuko Wildlife Reserve within Karamoja Sub Region	Turutuko Wildlife Reserve along Moroto-Napak-Abim Pader Road	MEIR Engineering & Research Ltd in Association with Terrain Services Ltd	
11/12/2021 to 24/12/2021	Geotechnical Investigations for the Proposed Design and Build of Pagada Bridge in Lamwo District	Lamwo District	Hardscreen Logistics Ltd	
01/09/2021 to 23/09/2021	Geotechnical Investigations for the Proposed Lecture and Laboratory Block for Maritime Institute at Busitema University, Namasagali Campus	Kamuli District	ICM Consultants Ltd	
12/06/2021 to 28/08/2021	Geotechnical Investigation for the Proposed Bukasa Port: Phase I	Luzira, Kampala	GAUFF GmbH & Co. Engineering KG	

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03/06/2021 to 11/06/2021	Geotechnical Investigation for the Proposed Fuel Depot and Fuel Station at Uganda Railways Corporation, Luzira Portbell	Plot 1,2 & 3, FRV 217, Folio 15, First Luzira Close, Nakawa Division, Kampala City	Uganda Railways Corporation and Stabex International Ltd	
09/05/2021 to 17/11/2021	Geotechnical Investigation for Upgrading of Rwekunye-Apac-Puranga Road (191km) from Gravel to Paved Standards (Subcontract-Field & Laboratory Testing)	Apack-Lira to Kitgum Districts	Geotech Solutions (U) Ltd	
01/04/2021 to 24/08/2021	Geotechnical Investigation for Upgrading of Mayuge – Mbaale – Bugiri – Namayingo – Lugaala Road (93.0 km). ((Subcontract-Field & Laboratory Testing)	Eastern part of UGANDA.	Geotech Solutions (U) Ltd	
20/04/2021 to 08/07/2021	Soil and Materials Investigations for Improvement of National Roads (41.6km) in Refugee-Hosting Area of West Nile Sub region	Yumbe District	JICA Survey Team/ Katahira & Engineers International	
17/04/2021 to 07/05/2021	Conducting Direct Shear Box and Triaxial Tests for Kihuura-Bwizi-Kahunge Road (Subcontract)	Kihuura District	GETLAB Ltd	
13/04/2021 to 30/04/2021	Soils and Materials Investigations for the Detailed Design Review of Priority Sub Projects - Cluster 3 for City Roads in Mbale City, Tororo Municipality and Busia Municipality	Mbale City, Tororo Municipality and Busia Municipality	Air Water Earth (AWE)	
28/04/2021 to 03/05/2021	Geotechnical Investigation for the Proposed Bio-Gas plant at Kiteezi parish, Nangabo Sub- County in Wakiso District	Kiteezi Parish, Nangabo Sub-county in Wakiso District	GMT Consults Ltd	
15/04/2021 to 20/04/2021	Geotechnical Investigation for the Proposed Wastewater Treatment Plant for Kiruddu Referral Hospital	Valley zone, Salama parish, Makindye East Constituency, Makindye division of KCCA	Ecotech Ltd in Association with National Water & Sewerage Corporation	
15/04/2021 to 20/04/2021	Soil Investigations for the Proposed Rehabilitation of Ocea B Water Supply System Reservoir at Ocea B, Rhino Camp in Arua District	Rhino camp in Arua District	OXFAM	

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27/03/2021 to 20/07/2021	Geotechnical Investigation for the Proposed Camera Sites along the Shores of L. Albert and Radar sites at Butiaba, Kyangwali and Ndekye for Ministry of Defence	Buliisa, Hoima, Kikuube and Rubirizi Districts	Terrain Services Ltd and MEIR Engineering & Research Ltd	
20/03/2021 to 08/04/2021	Soil Investigation on 220kV Bujagali - Toror Power Transmission Line of UETCL (Lot A)	Jinja-Iganga road	TRANSRAIL LIGHTING LTD	
28/01/2021 to 10/03/2021	Geotechnical Investigation for the Proposed Faecal Sludge Treatment Plant and Solid Waste landfill in Kanungu	Kanungu District	STROD (U) Ltd	
14/06/2020 to 06/07/2020	Soils, Materials Investigations and Pavement Design for the Proposed Liao Shen Industrial Park Roads Located at Kapeeka in Nakaseke District	Kapeeka in Nakaseke District	Uganda Liao Shen Industrial Park (ULIP)	
12/06/2020 to 20/07/2020	Soil Investigations for the proposed sewerage treatment plant at Busega	Busega, Wakiso District	SJ Tech Company Limited	
03/10/2020 to 30/10/2020	Geotechnical Investigation for the proposed UPPC Building in Entebbe	Entebbe	Uganda Security Printing Company Limited (USPC)	
03/09/2019 to 16/10/2019	Geotechnical Investigation for Proposed 20 MW Solar Power Project	Nkonge in Mubende District	Xsabo Nkonge Solarline II Limited	
30/09/2019 to 21/12/2019	Determination of Consolidation Settlement at Atari Irrigation Scheme	Bulambuli and Kween Districts in Eastern Uganda	JICA Uganda Office	
20/07/2019 to 13/09/2019	Soils and Materials Investigations for Improvement of National Roads in Refugee-Hosting Area	West Nile Subregion	JICA Survey Team/ Katahira & Engineers International	
11/07/2019 to 09/08/2019	Slope Stability Analysis for the Proposed Cut Slope between Chainage 43+100 and 43+480	Hoima-Butiaba - Wanseko Road	Chongqing International Construction Corporation	

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10/05/2019 to 18/06/2019	Additional Geotechnical Investigation works for Nyagak III Small HPP (6.6MW)	Nyagak III	TATA Consulting Engineers	
04/03/2019 to 29/04/2019	Kingfisher Feederline Supplementary Geotechnical Survey Engineering Report	Hoima District	Teclab Africa Ltd in association with CNOOC (U) LTD	
22/02/2019 to 30/03/2019	Soil Investigations for the Proposed Anguru Small Scale Irrigation Scheme	Anguru, Aribu, Vurra, Arua	Water for Production Regional Centre - North. (WFPRC-N)	
24/06/2018 to 30/11/2018	Soil and Materials investigations for the consultancy services for the design (and supervise) consultancy for the upgrade of infrastructure at land border Goli (ug) and Mahagi (DRC) funded under the TradeMark East Africa Cross Border Trade Program	Goli (ug) and Mahagi (DRC)	Mahindra Consulting Engineers in Association with TradeMark East Africa	
24/06/2018 to 30/11/2018	Soil and Materials investigations for the consultancy services for the design (and supervise) consultancy for the upgrade of infrastructure at land border Ntoroko (ug) and Kasenyi (DRC) funded under the TradeMark East Africa Cross Border Trade Program	Ntoroko (ug) and Kasenyi (DRC)	Mahindra Consulting Engineers in Association with TradeMark East Africa	



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CONTACT INFORMATION

Management

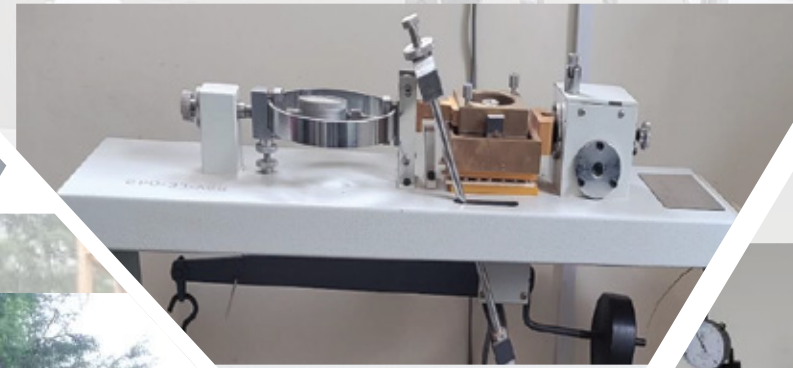
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Direct Shear Box



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Company Profile



Oedometer Machine



Investigating Rock Depth at Muko Quarry



UGANDA NATIONAL BUREAU OF STANDARDS

CERTIFICATE OF LABORATORY RECOGNITION

Certificate No: UNBS/LRS/0035

This certificate is valid as per the scope stated in the accompanying schedule of recognition, Annex "A" which is an integral part of the present certificate bearing the above recognition number for

Mechanical Testing of Soil and Concrete.

In accordance with the recognised International Standard **ISO/IEC 17025:2017**

Being supplied to

RSV ENGINEERING GROUP LTD

P. O. Box 10704, Kampala, Uganda.

Plot 1038 UCB Zone, Bukoto 1 Parish, Nakawa Division, Kampala, Uganda.

The recognition demonstrates technical competence and the operation of a laboratory quality management system to perform the testing as described in the Annex. While this certificate remains valid, the recognised laboratory above is authorised to use the relevant UNBS recognition number to issue facility reports and /or certificates.

Recognition Decision Date: 2023-04-26

Date of original issue: 2023-04-26

Certificate Issue No: 01

Effective Date: 2023-04-26

Expiry date: 2026-04-25

Certificate Issue date: 2023-04-26

Executive Director
UGANDA NATIONAL BUREAU OF STANDARDS

