

ANNEXURE A
SCHEDULE OF ACCREDITATION

Facility Number: **T0122**

Permanent Address of Laboratory:

Talbot Laboratories (Pty) Ltd
A Division of Talbot Group (Pty) Ltd
20 Pentrich Road
Pietermaritzburg
3200

Technical Signatories:

- Ms J Winchester (Only Microbiology Methods)
- Ms D Naidoo (1B,,2B, 2A, 5,41, 59, 3, 39, 10, pH Method,1, 4, 83A,10G, 16G, 18G, 64G, 65Ga-c, 66G, 67G, 68G, 231, 232, 233, 234, 40A, 91, 92, 93, 94, All Calculations)
- Mr S Mgabhi ((1pH Methods, 1B, 2B, 2A, 5,41, 59, 3, 39, 10, 4, 83A, 10G, 16G, 18G, 64G, 65Ga-c, 66G, 67G, 68G, 231, 232, 233, 234, 40A, 91, 92, 93, 94, All Calculations)
- Ms K Deepnarain (31, 32, 34)
- Ms S Chohan (CTS) (100, 101 & 104)
- Mr D Daphne (TLM 31, TLM 32, TLM 227, TLM 223, TLM 224, TLM 225)
- Ms S Lushaba (TLM 227, TLM 223, TLM 224, TLM 225)
- Mr W Mbokazi (100, 101 & 104)
- Mr M Nkwanyane (100, 101 & 104)
- Mr M Sigcau (1B,,2B, 2A, 5,41, 59, 3, 39, 10, pH Method,1, 4, 83A,10G, 16G, 18G, 64G, 65Ga-c, 66G, 67G, 68G , 231, 232, 233, 234, 40A, 91, 92, 93, 94, All Calculations)

Postal Address:

PO Box 22598
Pietermaritzburg
3200

Nominated Representative:

Ms D Naidoo

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Issue No.: 30
Date of Issue: 19 November 2024
Expiry Date: 31 July 2026

| Material or Products Tested | Type of Tests / Properties Measured, Range of Measurement | Standard Specifications, Techniques / Equipment Used |
|-----------------------------|---|---|
| CHEMICAL | | |
| Water (Raw, Potable, Waste) | Determination of pH at 25°C - Electrometric | 1 (Based on SANS 5011) |
| | Determination of pH at 25°C - Electrometric | 1B (Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 20 th Edition) |
| | Determination of Electrical Conductivity at 25°C-Conductimetric | Method 2A (Based on SANS 7888) |
| | Determination of Electrical Conductivity at 25°C - Conductimetric | 2B (Based on SANS 7888) |

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|------------------------------|--|---|
| | Determination of Suspended Solids at 105°C - Gravimetric | 5 (Based on SANS 6049) |
| | Determination Total Solids at 105°C - Gravimetric | 59 (Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 20 th Edition) |
| | Determination of Total Dissolved Solids at 180°C - Gravimetric | 41 (Based on SANS 5213) |
| | Determination of Turbidity - Nephelometric | 4 (Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF 20 th Edition) |
| | Determination of Chemical Oxygen Demand - Titrimetric (Dichromate Reflux) | 3 (Based on Government Gazette 2512) |
| | Determination of Oxygen Absorbed - Titrimetric | 39 (Based on SANS 5220) |
| | Determination of Alkalinity - Titrimetric | 10 (Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF 20 th Edition) |
| | Determination of Li, Be, B, Al, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Sr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U, Hg by ICP-MS | No.83A (Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 20 th Edition and EPA 200.8) |
| Water (Raw, Potable, Waste) | Determination of Alkalinity | 10G (Gallery Plus) |
| | Determination of Chloride | 16G (Gallery Plus) |
| | Determination of Fluoride | 18G (Gallery Plus) |
| | Determination of Ammonia | 64G (Gallery Plus) |
| | Determination of Nitrate & Nitrite | 65Ga (Gallery Plus) |
| | Determination of Nitrite | 65Gb (Gallery Plus) |
| | Determination of NITRATE | 65Gc (Gallery Plus) |
| | Determination of Orthophosphate | 66G (Gallery Plus) |
| | Determination of Sulphate | 67G (Gallery Plus) |
| | Determination of Hexavalent Chromium | 68G (Gallery Plus) |
| | Determination of Total Phosphorous, Total Silica, Total Sulphur | 91 (ICP-OES 5110) |
| | Determination of Arsenic, Antimony, Selenium and Mercury | 92 (ICP-OES 5110) |
| | Determination of Calcium, Magnesium, Potassium and Sodium | 93 (ICP-OES 5110) |
| | Determination of Al, B, Ba, Be, Cd, Co, Cr, Cu, Fe, Li, Mn, Mo, Ni, Pb, Sr, Sn, Ti, Tl, U, V, Zn and Zr | 94 (ICP-OES 5110) |
| | Water (Raw, Potable & Waste) | Determination of Total Phosphate, Total Sulphur and Total Silica |

| | |
|---|---------------------------|
| Determination of Arsenic, Antimony, Selenium and Mercury | TLM 232 (ICP-OES-Prodigy) |
| Determination of Ca, Mg, K and Na | TLM 233 (ICP-OES-Prodigy) |
| Determination of Al, Ba, B, Cd, Co, Cr, Cu, Fe, Li, Mn, Mo, Ni, Pb, Sn, Sr, Ti, V, Zn | TLM 234 (ICP-OES-Prodigy) |
| Determination of Arsenic Antimony, Selenium and Mercury | TLM 232 (ICP-OES-Prodigy) |
| Determination of Ba, B, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, V, Zn | TLM 234 (ICP-OES-Prodigy) |

Calculations:

- Calcium Hardness
- Magnesium Hardness
- Total Hardness
- Sodium Adsorption Ratio (SAR)
- Total dissolved solids (From EC in mS/m)
- Orthophosphate as PO₄
- Nitrate as NO₃
- Nitrite as NO₂
- Free/un-ionised Ammonia as N or NH₃
- Saline/ionised Ammonium as N or NH₄
- Total Inorganic Nitrogen (TIN)
- Saturated pH (pHs)
- Ryznar Saturation index (RSI)
- Langelier Saturate Index (LSI)
- Aggressiveness Index (AI)
- Corrosively Index (CI)
- Ion Balance
- Alkalinity Relationships (Hydroxide alkalinity as CaCO₃, Hydroxide alkalinity as OH, Carbonate alkalinity as CaCO₃, Carbonate alkalinity as CO₃, Bicarbonate alkalinity as CaCO₃ & Bicarbonate alkalinity as HCO₃)

Soil and Sludge

| | |
|--|--------------------------------------|
| Determination of Mercury | 86 (ICP-OES) |
| Determination of Be, Cd, Cr, Co, Cu, Pb, Mn, Mo, Ni, V, Zn, Ba, Sn | 87 (ICP-OES) |
| Determination of Selenium and Arsenic | 88 (ICP-OES) |
| Determination of Antimony | 89 (ICP-OES) |
| Determination of Total Phosphate | 90 (ICP-OES) |
| | <u>Suspended on the 12 June 2024</u> |

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| Water (Raw, Potable, Waste) Soil, Sludge and Sediment) | Determination of TPH by GC-FID(C ₆ -C ₄₀) | 101 (GC-FID) |
| | Determination of VOC's | 100 (Purge+ Trap+ GC-MS) |
| Water (Raw, Potable, Waste) | Total Organic Carbon and Soluble Organic Carbon | 104 (TOC Analyser) |
| | Determination of Colour | 40 A (Photometer) |
| MICROBIOLOGY | | |
| Water (Raw, Potable and Waste) | Standard Plate Count | 31(based on SANS 5221:2018) |
| | Enumeration of Total Coliforms and <i>Escherichia coli</i> | 32 (Colilert-defined substrate technology) |
| | Enumeration of <i>Legionella pneumophila</i> | 34 (Legiolert) |
| <p>Talbot Laboratory (Pty) Ltd The Innovation Hub No.1 Sydney Brenner Street Pretoria</p> | | |
| MICROBIOLOGY | | |
| Water (Potable , Raw and Waste) | Standard Plate Count | TLM 31 (based on SANS 5221: 2018) |
| | Enumeration of Total Coliforms and <i>Escherichia coli</i> | TLM 32 (Colilert-defined substrate technology) |
| CHEMISTRY | | |
| Water (Raw, Potable and Waste) | Determination of pH at 25 °C | TLM 227 |
| | Determination of Turbidity-Nephelometric | TLM 224 |
| | Determination of Electrical conductivity at 25°C | TLM 223 |
| | Determination of color (True and Apparent) | TLM 225 |

Original Date of Accreditation: 01 August 2001

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM



 Accreditation Manager

| SN | PARAMETERS | SAMPLE QTY FOR 2YR PERIOD | Unit cost | Extended cost |
|--------------------|---|---------------------------|------------|-----------------------|
| 1 | pH | 564 | 7,500.00 | 4,230,000.00 |
| 2 | Electrical conductivity | 564 | 7,500.00 | 4,230,000.00 |
| 3 | Total dissolved solids | 564 | 7,500.00 | 4,230,000.00 |
| 4 | Total suspended solids | 564 | 7,500.00 | 4,230,000.00 |
| 5 | Aluminum | 564 | 14,986.00 | 8,452,104.00 |
| 6 | Calcium | 564 | 14,986.00 | 8,452,104.00 |
| 7 | Fluoride as F | 564 | 7,500.00 | 4,230,000.00 |
| 8 | Total alkalinity as CaCO3 | 564 | 7,500.00 | 4,230,000.00 |
| 9 | Chloride as Cl | 564 | 12,962.00 | 7,310,568.00 |
| 10 | Sulphate as SO4 | 564 | 10,065.00 | 5,676,660.00 |
| 11 | Arsenic | 564 | 22,000.00 | 12,408,000.00 |
| 12 | Nitrate as N | 564 | 9,828.00 | 5,542,992.00 |
| 13 | Ammonia | 564 | 18,000.00 | 10,152,000.00 |
| 14 | Potassium | 564 | 19,255.00 | 10,859,820.00 |
| 15 | Nickel | 564 | 22,000.00 | 12,408,000.00 |
| 16 | Manganese | 564 | 13,919.00 | 7,850,316.00 |
| 17 | Magnesium | 564 | 14,986.00 | 8,452,104.00 |
| 18 | Iron | 564 | 8,723.00 | 4,919,772.00 |
| 19 | Copper | 564 | 10,065.00 | 5,676,660.00 |
| 20 | Lead | 564 | 22,000.00 | 12,408,000.00 |
| 21 | Sodium | 564 | 9,395.00 | 5,298,780.00 |
| 22 | SAMPLING CHARGES FOR THE 24 MONTHS Mine 1. Trinity Musha Mine 2. Trinity Nyakabingo Mine 3. Rutongo Mines each mine having mothly sampling for 24 months of the contract | 24 | 450,000.00 | 10,800,000.00 |
| SUB TOTAL | | | | 162,047,880.00 |
| VAT | | | | 29,168,618.40 |
| GRAND TOTAL | | | | 191,216,498.40 |

| | |
|---|---|
| TURN AROUND TIME | 3-7 WORKING DAYS UP ON SAMPLING |
| SAMPLING CHARGES COVER THE FOLLOWING | <ul style="list-style-type: none"> 1. Sampling bottles 2. Cooler boxes 3. Sampling Vehicle 4. Personnel 5. Personal Protective Equipment |



FINANCIAL PROPOSAL FOR
LABORATORY TESTING AND REPORTING
OF SURFACE AND GROUNDWATER
SAMPLES



Date: 28/02/2025
Ref No: 128/LUMEN/2025

RE: Laboratory Testing and Reporting of Surface and Groundwater Samples

To,
Sam Ryumugabe
Sustainability Manager
Trinity Metals
sam.ryumugabe@trinity-metals.com

Dear Sir,

Subject: Financial Proposal Submission Letter

We are writing to submit the financial proposal for the **Laboratory Testing and Reporting of Surface and Groundwater Samples for Rutongo Mine (tin); Trinity Nyakabingo Mine (tungsten); and Trinity Musha Mine (tin and tantalum, with lithium exploration)**, as per your request for proposal dated February 25th, 2025 totalling amount of Three hundred forty-two million, seven hundred forty-nine thousand, four hundred eight Rwandan Francs Only (342,749,408RWF) all taxes inclusive.

Thank you for considering our proposal.

Best regards,

Yours sincerely,


Yiklal Endeshaw Yeshaneh
Managing Director
Lumen Ltd



| S/N | DESCRIPTION | UNIT | QUANTITY | UNIT PRICE | COST |
|----------|--|------|----------|------------|-----------------------|
| 1 | SUPPLY OF KITS/BOTTLES FOR SAMPLE COLLECTION | | | | |
| 1.1 | 20L Bottle/ Kit for samples collections | Nos | 312 | 10,000 | 3,120,000 |
| | Subtotal | | | | 3,120,000 |
| 2 | TEST DETERMINANTS ON ONE SAMPLE | | | | |
| 2.1 | PH | Mg/L | 1 | 16,000 | 16,000 |
| 2.2 | Electrical conductivity | Mg/L | 1 | 18,000 | 18,000 |
| 2.3 | Total dissolved solids | Mg/L | 1 | 17,500 | 17,500 |
| 2.4 | Total suspended solids | Mg/L | 1 | 22,000 | 22,000 |
| 2.5 | Aluminum | Mg/L | 1 | 28,000 | 28,000 |
| 2.6 | Calcium | Mg/L | 1 | 17,000 | 17,000 |
| 2.7 | Fluoride as F | Mg/L | 1 | 23,000 | 23,000 |
| 2.8 | Total alkalinity as CaCO ₃ | Mg/L | 1 | 18,500 | 18,500 |
| 2.9 | Chloride as Cl | Mg/L | 1 | 23,300 | 23,300 |
| 2.10 | Sulphate as SO ₄ | Mg/L | 1 | 22,500 | 22,500 |
| 2.11 | Arsenic | Mg/L | 1 | 40,700 | 40,700 |
| 2.12 | Nitrate as N | Mg/L | 1 | 23,000 | 23,000 |
| 2.13 | Ammonia | Mg/L | 1 | 27,000 | 27,000 |
| 2.14 | Manganese | Mg/L | 1 | 25,000 | 25,000 |
| 2.15 | Magnesium | Mg/L | 1 | 16,000 | 16,000 |
| 2.16 | Iron | Mg/L | 1 | 22,500 | 22,500 |
| 2.17 | Copper | Mg/L | 1 | 23,500 | 23,500 |
| 2.18 | Lead | Mg/L | 1 | 40,900 | 40,900 |
| | Subtotal price @1sample with all tests Determinants | | | | RWF 424,400 |
| 3 | LABORATORY TESTING ON RUTONGO MINE | | | | |
| 3.1 | 6 Samples Monthly @1year surface water | No | 12 | 2,546,400 | 30,556,800 |
| 3.2 | 8 Samples Quarterly @1year surface water | No | 4 | 3,395,200 | 13,580,800 |
| 3.3 | 7 Samples Monthly @6months Ground water | No | 6 | 2,970,800 | 17,824,800 |
| 3.4 | 7 Samples Quarterly @6months Ground water | No | 2 | 2,970,800 | 5,941,600 |
| 3.5 | 6 Samples @1year Mine water | No | 2 | 2,546,400 | 5,092,800 |
| | Transport, Mobilization & Demobilization | LS | 1 | 2,400,000 | 2,400,000 |
| | Subtotal One year Laboratory tests on samples from Rutongo Mines | | | | RWF 75,396,800 |
| 4 | LABORATORY TESTING ON TRINITY NYAKABINGO MINE | | | | |
| 4.1 | 4 Samples Monthly @1year surface water | No | 12 | 1,697,600 | 20,371,200 |
| 4.2 | 2 Samples Monthly @6months Ground water | No | 6 | 848,800 | 5,092,800 |
| 4.3 | 2 Samples Quarterly @6months Ground water | No | 2 | 848,800 | 1,697,600 |
| 4.4 | 2 Samples Quarterly @1year Mine water | No | 4 | 848,800 | 3,395,200 |
| | Transport, Mobilization & Demobilization | LS | 1 | 2,400,000 | 2,400,000 |
| | Subtotal One year Laboratory tests on samples from Nyakabingo Mines | | | | RWF 32,956,800 |
| 5 | LABORATORY TESTING ON TRINITY MUSHA MINE | | | | |

| | | | | | |
|--|---|----|---|-----------|--------------------|
| 5.1 | 4 Samples Quarterly @1year surface water | No | 4 | 1,697,600 | 6,790,400 |
| 5.2 | 6 Samples Monthly @6months Ground water | No | 6 | 2,546,400 | 15,278,400 |
| 5.3 | 6 Samples Quarterly @6months Ground water | No | 2 | 2,546,400 | 5,092,800 |
| 5.4 | 2 Samples Half a year @1year Mine water | No | 2 | 848,800 | 1,697,600 |
| | Transport, Mobilization & Demobilization | LS | 1 | 2,400,000 | 2,400,000 |
| Subtotal One year Laboratory tests on samples from Musha Mines | | | | | 31,259,200 |
| Test report preparation Charges | | | | | 2,500,000 |
| Subtotal One year Laboratory tests on all mines samples | | | | | 145,232,800 |
| 18% VAT | | | | | 26,141,904 |
| Total Cost @1 year Laboratory tests on all mines samples tax include | | | | | 171,374,704 |
| Total Cost @2 years Laboratory tests on all mines samples tax include | | | | | 342,749,408 |

Amounts in Words: Three hundred forty-two million, seven hundred forty-nine thousand, four hundred eight Rwandan Francs Only

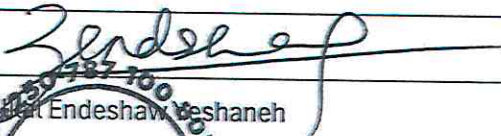
Payment and Other Terms & Conditions:

1. This Quotation is purely based on this particular project.
2. The quote value of test is based on number of test provided in terms of references
3. This Quotation is valid for 30 days period starting from the date of quote
4. Advance Payment for Mobilization Charges of Manpower and Equipment is 50% from the total bill value after signing of Contract Agreement
5. After Full collection of Test Samples, again 20% payment need to release within 7 days.
6. After submitting draft report, again 20% payment need to release within 7 days.
7. Balance or Remaining 10% payment need to release after 7days from the Final Report and Invoice copy submitted
8. Total amount should be adjusted after site visit.
9. Site readiness and samples containers should be client, it should be done before mobilization to the site.
10. Access road should have enough width due to our drilling machines

CONCLUSION:

Here we are mentioned our laboratory testing service details and we are quoted best offer for laboratory testing of Surface and Groundwater Samples for Rutongo Mine; Trinity Nyakabingo Mine; and Trinity Musha Mine. We are waiting for your positive response with work order (PO) for further process of testing work.

AUTHORIZED SIGNATURE & SEAL:

| | |
|------------------------|--|
| Authorized Signature |  |
| Authorized Person Name | Yvonne Endeshaw Beshaneh |
| Designation | Managing Director - Lumen Ltd |
| Date | 28/02/2025 |
| Tender Reference No | LMN/102000/STATION/2025/128 |