PRODUCTS AND SERVICES CHARGES

Contacts:

P.O BOX 7099, Kigali, Rwanda
Tel: +250 252 586 103/582945

Toll Free: 3250
KK 15 Rd, 49

RSB ePortal: www.portal.rsb.gov.rw
Website: www.rsb.gov.rw

E-mail: info@rsb.gov.rw
TABLE OF CONTENTS

PREAMBLE ........................................................................................................................................ iii

STANDARDS SERVICES CHARGES ........................................................................................................ 1
  1. Standards charges ......................................................................................................................... 1
  2. Trainings charges .......................................................................................................................... 4

TESTING SERVICES CHARGES ............................................................................................................. 5
  1. Materials Testing Laboratories ...................................................................................................... 6
  2. Chemistry Laboratories ............................................................................................................... 9
  3. Microbiology .................................................................................................................................. 19

CERTIFICATION SERVICES CHARGES .............................................................................................. 22
  1. Product certification ....................................................................................................................... 22
  2. HACCP system certification ......................................................................................................... 23
  3. System (FSMS, QMS & EMS) certification ................................................................................. 24

METROLOGY SERVICES CHARGES ................................................................................................... 26
  1. Fixed Costs (FC) ............................................................................................................................. 26
  2. Variable Costs (VC) ...................................................................................................................... 26
  3. Gross Margin (GM) ....................................................................................................................... 26
PREAMBLE

Pricing of RSB Services Charges

This background information on standardisation and its companions is designed to inform the clients how the pricing of Rwanda Standards Services charges are determined. It also gives a summary background of the usefulness of these services to society. Standards, conformity assessment and metrology give safety assurance to community, facilitate international trade, enhance the interoperability of technologies and processes as well as facilitating technological change and economic development by reducing information asymmetry. RSB services to the community include sales of standards, training on standards, products and systems certification, testing, and calibration. The contribution of the national quality infrastructure to the economic growth is well established. Contribution of standards alone can be up to 2%. At the macroeconomic level, the role of standards can be four-fold and is directly related to productivity. However, inappropriate use of standards can also hinder productivity through reducing choice and competition, and creating technical barriers to trade. The formulas for calculating prices are given in the Prices Charges Document.

Pricing of Standards

Standards are established by consensus from different technical experts. To get this consensus the technical experts meet in technical committee meetings, whereby facilitation is provided to allow a favorable environment for a meeting; such as prints of the preliminary drafts for the meeting, refreshments and transport allowance. After the standards have been approved by the technical committees, they are published in the newspapers, and at a cost, in order to gather comments from the general public. An approved standard can be Print-On-Demand (POD) after payment and the client gets a hard copy, while another method is purchasing standards by electronic means via Web stores. For the moment RSB is using the first method which requires some resources such as paper and binding materials to make a standard booklet. With this background, standards should be priced accordingly, at a rate that reflects their value and also attempt to cover, partly or entirely, the costs involved in their development and publication.

Ideally, a minimum fee should be charged to each of the product and service provided and the cost estimated in consideration of processes and inputs involved to produce the product or service. However, during the calculation of the price for standards, some elements were omitted such that only the cost of paper and transport allowances for Technical committee was considered to make the standards affordable.
Pricing of Training Services

After development of the standards, they are launched to raise awareness of the business and community and the regulatory authorities of the benefits of applying standards. Follow trainings on the existing and/or newly approved standards to improve their adoption and compliance. In the spirit of standards promotion/awareness to our stakeholders especially SMEs, RSB through the National Standards Division undertakes trainings activities in different areas such as Quality Management System (QMS), Environmental Management System (EMS), Food Safety Management System (FSM) and Products Standards requirement, among others. The aim of trainings is to improve individual and organization effectiveness hence their performance. For a training to be successful, there are a number of factors that need to be taken into consideration such as conference room, trainers fee, training materials (cost of standards) and other facilities such as certificates, cost transport for trainers, inter-alia. As a result, pricing of training services was based on the valuation of the above services, with a discount of 20% being applied for each standard to be purchased by SMEs that has requested training of more than one trainee.

Certification Fees

The certification profile of 2013 showed that 23% of the applicants fail to proceed with certification process due to inability to pay certification fees and 44% fail to address the non-conformities raised during audit since correction of those non-conformities requires money. In view of the above challenges, system certification application fee was reduced and that for products and system re-certification removed altogether. The system certification fee was reduced from FRW 100,000 to FRW 30,000 for HACCP while for other systems it was reduced to FRW 50,000. At the same time the site audit cost for HACCP system was fixed at FRW 50,000/day while the site audit cost for other systems certification was reduced from FRW 200,000 to FRW 100,000/day. The license fee for system certification was reduced from FRW 100,000 to FRW 50,000. For all systems including HACCP a free pre-assessment step was included to encourage as many enterprises as possible to consider assessment of their systems towards Certification. With the new certification fees, an SME will pay a minimum fee of FRW 230,000 (plus testing fees) for product certification valid for 2 years while for HACCP system it will be minimum fee of FRW 480,000. For other systems, a minimum certification fee of FRW 800,000 valid for 3 years is paid. It is important to note that for all certification services staff mission allowance, travel costs and surveillance testing costs are incurred by government.

Testing Services Charges

The National Quality Testing Laboratories (NQTL) have been increasing the testing scope. Each year, at least 20 parameters are added to the scope of testing. Currently, the laboratory has capacity to provide over 200 parameters in the area of materials, chemical and biological analyses. The aim
testing is promote trade by ensuring that our exports meet the minimum quality standards recognised in international markets and ensures that all imports into the country are tested and confirmed to meet the minimum quality standards.

The testing service charges are only based on service provided and are generally priced at comparatively lower rates than those of other testing laboratories in the region. NQTL is pursuing a value pricing strategy, because it is the best way to create a community of long-term users who will incorporate the service into their daily processes instead of viewing and using it as just a mandatory testing unit. Consequently, the fees for testing are calculated using a combination of the cost of inputs used such as chemicals, the cost of the equipment (with the intention of recouping the capital cost within 10 years), manpower costs, the cost of water and electricity and the mean cost of the apparatus per parameter. This means that the fees will vary from sample to sample due to test methods and equipment used and other variables involved.

Metrology Services Charges

In order to ensure the use of accurate and genuine measurements in industry, trade, health and safety, the National Metrology Services Division offers calibration and verification services of all weighing, measuring instruments and pre-packages control in the country. The prices of verification and calibration of measuring and weighing instruments and pre-packages control is based on the following costs:

- Purchase of physical standards which includes standards equipment;
- Insurance and traceability;
- Maintenance in proper working state, calibration and insurance,
- Maintaining the physical standards in the recommended laboratory environment and this may involve cooling, lighting,

However these costs charges do not include, for example, laboratory consumables (paper, stickers, oil, seals), utilities (electricity and water), staff salaries and allowances, among others, as these are currently borne by the government.
## STANDARDS SERVICES CHARGES

1. Standards charges

### PRICE LIST FOR RWANDA STANDARDS

<table>
<thead>
<tr>
<th>CATEGORY I</th>
<th>PRICE PER RS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-7é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>6568</td>
</tr>
<tr>
<td>8-11é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>..7464</td>
</tr>
<tr>
<td>12-15é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>.8360</td>
</tr>
<tr>
<td>16-19é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>.9256</td>
</tr>
<tr>
<td>20-23é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>1.0152</td>
</tr>
<tr>
<td>24-27é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>1.1048</td>
</tr>
<tr>
<td>28-31é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>1.1944</td>
</tr>
<tr>
<td>32-35é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>1.2840</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CATEGORY II</th>
<th>PRICE PER RS</th>
</tr>
</thead>
<tbody>
<tr>
<td>36-39é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>1.3736</td>
</tr>
<tr>
<td>40-43é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>1.4632</td>
</tr>
<tr>
<td>44-47é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>1.5528</td>
</tr>
<tr>
<td>48-51é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>1.6424</td>
</tr>
<tr>
<td>52-55é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>1.7320</td>
</tr>
<tr>
<td>56-59é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>1.8216</td>
</tr>
<tr>
<td>60-63é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>1.9112</td>
</tr>
<tr>
<td>64-67é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>2.0008</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CATEGORY III</th>
<th>PRICE PER RS</th>
</tr>
</thead>
<tbody>
<tr>
<td>68-71é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>20904</td>
</tr>
<tr>
<td>72-75é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>21800</td>
</tr>
<tr>
<td>76-79é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>22696</td>
</tr>
<tr>
<td>80-83é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>23592</td>
</tr>
<tr>
<td>84-87é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>24488</td>
</tr>
<tr>
<td>88-91é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>25384</td>
</tr>
<tr>
<td>92-95é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>26280</td>
</tr>
<tr>
<td>96-99é é é é é é é é é é é é é é é é é é é é é é é é</td>
<td>27176</td>
</tr>
</tbody>
</table>
CATEGORY IV

100-103 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ 28072
104-107 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ 28968
108-111 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ 29864
112-115 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ 30760
116-119 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ 31656
120-123 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ 32552
124-127 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ 33448
128-131 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ 34344

CATEGORY V

132-135 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ 35240
136-139 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ 36136
140-143 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ 37032
144-147 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ 37928
148-151 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ 38824
152-155 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ 39720
156-159 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ 40616
160-163 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ 41512

CATEGORY VI

164-167 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ .42408
168-171 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ .43304
172-175 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ .44200
176-179 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ .45096
180-183 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ .45992
184-187 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ .46888
188-191 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ .47784
192-195 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ .48680

CATEGORY VII

196-199 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ .49576
200-203 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ .50472
204-207 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ .51368
208-211 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ .52264
212-215 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ .53160
216-219 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ .54056
How to calculate prices for Rwanda Standards

Example I

Cost of papers * the number of pages * number of TC * number of TM + labour

Category cost of papers no of pages no of TC no of TM Labour total in Rwf

4-7 2800/500 * 7 * 4 *10 + 5000 = 6568 Rwf

- TC: Technical Committee
- TM: Technical Member
2. Trainings charges

The cost for training the public about standardization is as follows:

<table>
<thead>
<tr>
<th>S/N</th>
<th>Item</th>
<th>Unit price per day (Frw)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Seminar/Conference room (room for 100 people)</td>
<td>150,000</td>
</tr>
<tr>
<td>2</td>
<td>Facilitation (training fee) offered by RBS staff</td>
<td>70,000</td>
</tr>
<tr>
<td>3</td>
<td>Facilitation (training fee) offered by a senior consultant</td>
<td>275,000</td>
</tr>
<tr>
<td>4</td>
<td>Training coordination and administration</td>
<td>55,000</td>
</tr>
<tr>
<td>5</td>
<td>Electricity</td>
<td>10,000</td>
</tr>
<tr>
<td>6</td>
<td>Water</td>
<td>3,000</td>
</tr>
<tr>
<td>7</td>
<td>Certificates</td>
<td>3,000</td>
</tr>
</tbody>
</table>

Consultancy charges

<table>
<thead>
<tr>
<th>S/N</th>
<th>Item</th>
<th>Unit price per day (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>International/Regional consultants</td>
<td>500</td>
</tr>
<tr>
<td>2</td>
<td>Local consultants</td>
<td>300</td>
</tr>
</tbody>
</table>
TESTING SERVICES CHARGES

Charges for all Testing Laboratories are computed according to the formula below:

1. Chemical $(C) = \frac{\text{Quantity Used} \times \text{Unit Cost}}{\text{Unity Quantity}}$

2. Equipment $(E) = \frac{\text{Price} \times \text{Experiment Hours}}{10 \text{Years} \times 12 \text{Months} \times 30 \text{Days}}$
   - The Recoup Period for Equipment is taken to be 10 Years
   - The Cost of Equipment per Parameter is the Recoup Price per Day since RSB averagely receives one private Sample per Day.

3. Average Cost Man Power per Hour $(H)$
   
   \[
   H = \frac{(\text{Total Salaries of Departmental Staff Levels})}{3 \times 30 \text{Days} \times \text{Hours}}
   \]

4. Cost of Man Power = $H \times N$
   - The Analysis Which Takes Less than one Hour shall be Charged the Maximum Cost of One Hour $(H)$

5. Water and Electricity per Day $(W) = \frac{\text{Total Cost per Year}}{12 \times 30 \text{Days}}$
   - The Cost of Water and Electricity Shall be Charged per Sample and not per Parameter

Cost of One Parameter = $C + E + (HN) + W + 500$

Where,

- $C$: Cost for Chemicals Used
- $E$: Cost of Equipment (Recoup Cost)
- $H$: Cost of Man Power per Hour

| Revision | 01 | Page 5 of 42 | Date: 28 | November 2014 |
### 1. Materials Testing Laboratories

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>TESTED PARAMETER</th>
<th>TEST METHOD (SOP)</th>
<th>COST (FRW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEMENT</td>
<td>Initial setting time</td>
<td>RS EAS 148-1</td>
<td>10,000</td>
</tr>
<tr>
<td></td>
<td>Final setting time of cement</td>
<td>RS EAS 148-1</td>
<td>11,500</td>
</tr>
<tr>
<td></td>
<td>Compressive strength of cement (including strength for 2days or 7days and 28 days strength)</td>
<td>RS EAS 148-1</td>
<td>60,000</td>
</tr>
<tr>
<td></td>
<td>Lost on ignition</td>
<td>RS EAS 148-2:2004</td>
<td>18,000</td>
</tr>
<tr>
<td></td>
<td>Cement soundness</td>
<td>RS EAS 148-1:2004</td>
<td>15,000</td>
</tr>
<tr>
<td>ROOFING SHEETS</td>
<td>Zinc coating mass and Base Metal thickness of roofing sheets</td>
<td>RS EAS 11</td>
<td>11,250</td>
</tr>
<tr>
<td></td>
<td>Tensile strength of roofing sheets (3 pieces)</td>
<td>RS EAS 11</td>
<td>33,750</td>
</tr>
<tr>
<td></td>
<td>Bending adhesion of roofing sheets (1piece)</td>
<td>RS EAS 468 RS EAS 410</td>
<td>7,500</td>
</tr>
<tr>
<td></td>
<td>Marking of roofing of sheets</td>
<td>RS EAS 11 RS EAS 468 EAS 410</td>
<td>3,750</td>
</tr>
<tr>
<td></td>
<td>Dimensional test of roofing sheets</td>
<td>RS EAS 11 RS EAS 468 RS EAS 410</td>
<td>3,750</td>
</tr>
<tr>
<td>CEMENT BLOCKS/BRICKS</td>
<td>Water absorption of bricks and Blocks</td>
<td>RS 568</td>
<td>20,000</td>
</tr>
<tr>
<td></td>
<td>Compressive strength of Bricks and blocks (price for 10 specimens/batch)</td>
<td>RS 568</td>
<td>45,000</td>
</tr>
<tr>
<td></td>
<td>Dimensional test of bricks/blocks</td>
<td>RS 568</td>
<td>3,750</td>
</tr>
<tr>
<td>PAVING BLOCKS</td>
<td>Water absorption of Blocks (price for 10 specimens/batch)</td>
<td>RS 415</td>
<td>20,000</td>
</tr>
<tr>
<td></td>
<td>Compressive strength of blocks (price for 10 specimens/batch)</td>
<td>RS 415</td>
<td>45,000</td>
</tr>
<tr>
<td></td>
<td>Dimensional test of paving blocks</td>
<td>RS 415</td>
<td>3,750</td>
</tr>
<tr>
<td>BURNT BRICKS</td>
<td>Water absorption of burnt bricks (price for 10 specimens/batch)</td>
<td>RS 359</td>
<td>20,000</td>
</tr>
<tr>
<td>PRODUCT</td>
<td>TESTED PARAMETER</td>
<td>TEST METHOD (SOP)</td>
<td>COST (FRW)</td>
</tr>
<tr>
<td>-------------------------</td>
<td>----------------------------------------------------------------------------------</td>
<td>-------------------</td>
<td>------------</td>
</tr>
<tr>
<td>Compressive strength of burnt bricks (price for 10 specimens/batch)</td>
<td>RS 359</td>
<td>45,000</td>
<td></td>
</tr>
<tr>
<td>Dimensional test of burnt bricks</td>
<td>RS 359</td>
<td>3,750</td>
<td></td>
</tr>
<tr>
<td>CRAY ROOFING TILES</td>
<td>Flexural strength of roofing Tiles (price for 10 specimens/batch)</td>
<td>RS 358</td>
<td>36,000</td>
</tr>
<tr>
<td></td>
<td>Water absorption test of roofing tiles (price for 10 specimens/batch)</td>
<td>RS 358</td>
<td>20,000</td>
</tr>
<tr>
<td></td>
<td>Dimensional test roofing tiles</td>
<td>RS 358</td>
<td>3,750</td>
</tr>
<tr>
<td>CONCRETE</td>
<td>Compressive strength of hardened concrete cubes or cylinders (price for 3 specimens)</td>
<td>RS ISO1920-4</td>
<td>30,000</td>
</tr>
<tr>
<td>SAND</td>
<td>Particle size distribution by sieve analysis</td>
<td>RS 211-1</td>
<td>25,000</td>
</tr>
<tr>
<td>Steel bars for reinforcing of concrete</td>
<td>Tensile strength/Yield strength/elongation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>bar diameter 6mm</td>
<td>RS ISO 6892-1</td>
<td>8,350</td>
</tr>
<tr>
<td></td>
<td>bar diameter 8mm</td>
<td>RS ISO 6892-1</td>
<td>8,800</td>
</tr>
<tr>
<td></td>
<td>bar diameter 10mm</td>
<td>RS ISO 6892-1</td>
<td>9,200</td>
</tr>
<tr>
<td></td>
<td>bar diameter 12mm</td>
<td>RS ISO 6892-1</td>
<td>10,000</td>
</tr>
<tr>
<td></td>
<td>bar diameter 14mm</td>
<td>RS ISO 6892-1</td>
<td>11,000</td>
</tr>
<tr>
<td></td>
<td>bar diameter 16mm</td>
<td>RS ISO 6892-1</td>
<td>12,000</td>
</tr>
<tr>
<td></td>
<td>bar diameter 20mm</td>
<td>RS ISO 6892-1</td>
<td>12,800</td>
</tr>
<tr>
<td></td>
<td>bar diameter 25mm</td>
<td>RS ISO 6892-1</td>
<td>15,000</td>
</tr>
<tr>
<td></td>
<td>bar diameter 32mm</td>
<td>RS ISO 6892-1</td>
<td>20,000</td>
</tr>
<tr>
<td></td>
<td><strong>Dimensional test of steel bars</strong></td>
<td>RS ISO 6935-1&amp;2</td>
<td>3,750</td>
</tr>
<tr>
<td></td>
<td>Three points Bend test of steel bars for reinforcing of concrete</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>bar diameter 6mm,8mm,10mm,12mm</td>
<td>RS ISO 15630-1</td>
<td>4,500</td>
</tr>
<tr>
<td></td>
<td>bar diameter 14mm and 16mm</td>
<td>RS ISO 15630-1</td>
<td>5,000</td>
</tr>
<tr>
<td></td>
<td>bar diameter 20mm and 25mm</td>
<td>RS ISO 15630-1</td>
<td>6,000</td>
</tr>
<tr>
<td></td>
<td>bar diameter 32mm and above</td>
<td>RS ISO 15630-1</td>
<td>8,000</td>
</tr>
<tr>
<td></td>
<td><strong>Three points Bend test of other metallic materials</strong></td>
<td>RS ISO: 7438</td>
<td>6,000</td>
</tr>
<tr>
<td></td>
<td>Dimensional test of Metallic materials</td>
<td>PRODUCT RELATED</td>
<td>3,750</td>
</tr>
<tr>
<td>Structural steels- Hollow sections</td>
<td>Tensile strength(Min 3 pieces)</td>
<td>RS ISO 6892-1</td>
<td>36,000</td>
</tr>
<tr>
<td></td>
<td>Dimensional test</td>
<td>ISO 4019</td>
<td>3,750</td>
</tr>
<tr>
<td>Steel plates and sheets</td>
<td>Tensile properties (3 pieces)</td>
<td>PRODUCT RELATED</td>
<td>33,750</td>
</tr>
<tr>
<td></td>
<td>Dimensional test</td>
<td>-</td>
<td>3,750</td>
</tr>
<tr>
<td>PRODUCT</td>
<td>TESTED PARAMETER</td>
<td>TEST METHOD (SOP)</td>
<td>COST (FRW)</td>
</tr>
<tr>
<td>---------</td>
<td>-----------------</td>
<td>------------------</td>
<td>------------</td>
</tr>
<tr>
<td>polyethylene water tanks</td>
<td>Resistance to deformation</td>
<td>RS 736</td>
<td>10,000</td>
</tr>
<tr>
<td></td>
<td>Tensile properties (6 pieces)</td>
<td>RS 736</td>
<td>36,000</td>
</tr>
<tr>
<td></td>
<td>Dimensional test</td>
<td>RS 736</td>
<td>3,750</td>
</tr>
<tr>
<td>Metals</td>
<td>Brinell Hardness of metals</td>
<td>RS ISO 6506-1</td>
<td>12,000</td>
</tr>
<tr>
<td></td>
<td>Chemical composition (XRF test for up to 44 elements: Na, Mg, Al, Si, P, S, Cl, K, Ca, Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Rb, Sr, Zr, Nb, Mo, Ru, Pd, Ag, Cd, Sn, Sb, Te, Cs, Ba, Hf, Ta, W, Au, Hg, Pb, Bi, Th and U)</td>
<td>NQTL/MTL/NDT/S OP-1</td>
<td>36,000</td>
</tr>
<tr>
<td>SOILS AND ROCKS</td>
<td>Chemical composition (XRF test for up to 44 elements: Na, Mg, Al, Si, P, S, Cl, K, Ca, Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Rb, Sr, Zr, Nb, Mo, Ru, Pd, Ag, Cd, Sn, Sb, Te, Cs, Ba, Hf, Ta, W, Au, Hg, Pb, Bi, Th and U)</td>
<td>NQTL/MTL/NDT/S OP-1</td>
<td>45,000</td>
</tr>
<tr>
<td>ELECTRICAL CABLES</td>
<td>Marking</td>
<td>RS IEC 60227-1</td>
<td>3,500</td>
</tr>
<tr>
<td></td>
<td>Chemical composition of cable conductor material</td>
<td>NQTL/MTL/NDT/S OP-1</td>
<td>36,000</td>
</tr>
<tr>
<td></td>
<td>Resistance of electrical cables rolls (100m min)</td>
<td>RS IEC 60227-2</td>
<td>6,000</td>
</tr>
<tr>
<td>CONDOMS</td>
<td>Freedom from holes of condoms</td>
<td>RS ISO 4074</td>
<td>18,525</td>
</tr>
<tr>
<td></td>
<td>Condom strength Bursting volume and Bursting pressure of condoms</td>
<td>RS ISO 4074</td>
<td>29,735</td>
</tr>
<tr>
<td></td>
<td>Pack seal integrity of condoms</td>
<td>RS ISO 4074</td>
<td>1,020</td>
</tr>
<tr>
<td></td>
<td>Condoms dimensions (width and length)</td>
<td>RS ISO 4074</td>
<td>3,750</td>
</tr>
<tr>
<td></td>
<td>Thickness of condoms and Quantity of lubricant in condom container</td>
<td>RS ISO 4074</td>
<td>14,500</td>
</tr>
<tr>
<td></td>
<td>Design and inspection of labeling requirements</td>
<td>RS ISO 4074</td>
<td>3,495</td>
</tr>
<tr>
<td>MATRESS</td>
<td>Tensile properties (6 pieces)</td>
<td>RS EAS 7-1</td>
<td>24,000</td>
</tr>
<tr>
<td></td>
<td>Tear resistance (6 pieces)</td>
<td>RS EAS 7-1</td>
<td>24,000</td>
</tr>
<tr>
<td></td>
<td>Density</td>
<td>RS EAS 7-1</td>
<td>6,000</td>
</tr>
<tr>
<td></td>
<td>Dimensions</td>
<td>RS EAS 7-1</td>
<td>3,750</td>
</tr>
<tr>
<td></td>
<td>Compression set (3 pieces)</td>
<td>RS EAS 7-1</td>
<td>28,500</td>
</tr>
<tr>
<td></td>
<td>Marking</td>
<td>RS EAS 7-1</td>
<td>3,495</td>
</tr>
<tr>
<td>LEATHER MATERIALS</td>
<td>Tensile strength of leather materials and Percentage extension of leather materials (6 pieces)</td>
<td>ISO 3376</td>
<td>18,000</td>
</tr>
<tr>
<td>PRODUCT</td>
<td>TESTED PARAMETER</td>
<td>TEST METHOD (SOP)</td>
<td>COST (FRW)</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------------------------------------------------</td>
<td>-------------------</td>
<td>------------</td>
</tr>
<tr>
<td></td>
<td>Resistance to tearing load of leather materials</td>
<td></td>
<td>18,000</td>
</tr>
<tr>
<td></td>
<td>(6 pieces)</td>
<td>ISO 3377-1 &amp;2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thickness of leather materials</td>
<td>RS ISO 2589</td>
<td>3,340</td>
</tr>
<tr>
<td></td>
<td>Flex resistance of leather materials</td>
<td>ISO 5402</td>
<td>18,000</td>
</tr>
<tr>
<td></td>
<td>Apparent density</td>
<td>ISO 2420</td>
<td></td>
</tr>
<tr>
<td>TOILET</td>
<td>Tensile strength (10 pieces)</td>
<td>RS EAS 355</td>
<td>18,000</td>
</tr>
<tr>
<td>PAPER</td>
<td>Tear strength (10 pieces)</td>
<td>RS EAS 355</td>
<td>18,000</td>
</tr>
<tr>
<td></td>
<td>Tissue paper substance</td>
<td>RS EAS 355</td>
<td>3,750</td>
</tr>
<tr>
<td></td>
<td>Dimensional test</td>
<td>RS EAS 355</td>
<td>4,250</td>
</tr>
<tr>
<td>TEXTILE</td>
<td>Tensile strength</td>
<td>ISO 13934-1</td>
<td>18,000</td>
</tr>
<tr>
<td></td>
<td>Tear strength</td>
<td>ISO 9073-4</td>
<td>18,000</td>
</tr>
<tr>
<td></td>
<td>Specific weight (mass per unit area)</td>
<td>ISO 3801</td>
<td>4,250</td>
</tr>
<tr>
<td></td>
<td>Dimensional test</td>
<td>ISO 22198</td>
<td>4,250</td>
</tr>
</tbody>
</table>

**2. Chemistry Laboratories**

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>PARAMETER</th>
<th>TEST METHOD (SOP)</th>
<th>COST (FRW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEA</td>
<td>Moisture content</td>
<td>NQTL/FAL/SOP-7</td>
<td>20,623</td>
</tr>
<tr>
<td></td>
<td>Dry matter</td>
<td>NQTL/FAL/SOP-7</td>
<td>20,623</td>
</tr>
<tr>
<td></td>
<td>Total ash content</td>
<td>NQTL/FAL/SOP-8</td>
<td>26,817</td>
</tr>
<tr>
<td></td>
<td>Acid insoluble ash</td>
<td>NQTL/FAL/SOP-10</td>
<td>28,383</td>
</tr>
<tr>
<td></td>
<td>water soluble ash</td>
<td>NQTL/FAL/SOP-12</td>
<td>28,383</td>
</tr>
<tr>
<td></td>
<td>Alkalinity of water soluble ash</td>
<td>NQTL/FAL/SOP-13</td>
<td>10,878</td>
</tr>
<tr>
<td></td>
<td>Water extract</td>
<td>NQTL/FAL/SOP-11</td>
<td>10,668</td>
</tr>
<tr>
<td></td>
<td>Crude fiber</td>
<td>NQTL/FAL/SOP-9</td>
<td>46,216</td>
</tr>
<tr>
<td></td>
<td>Caffeine</td>
<td>HPLC method</td>
<td>101,076</td>
</tr>
<tr>
<td>COFFEE</td>
<td>Moisture content</td>
<td>NQTL/FAL/SOP-14</td>
<td>11,844</td>
</tr>
<tr>
<td></td>
<td>Total ash</td>
<td>NQTL/FAL/SOP-15</td>
<td>26,817</td>
</tr>
<tr>
<td></td>
<td>Acid insoluble ash</td>
<td>NQTL/FAL/SOP-16</td>
<td>28,383</td>
</tr>
<tr>
<td></td>
<td>Alkalinity of water soluble ash</td>
<td>NQTL/FAL/SOP-18</td>
<td>10,878</td>
</tr>
<tr>
<td></td>
<td>Petroleum ether extract</td>
<td>NQTL/FAL/SOP-19</td>
<td>32,354</td>
</tr>
<tr>
<td></td>
<td>Water soluble matter</td>
<td>NQTL/FAL/SOP-17</td>
<td>10,668</td>
</tr>
<tr>
<td></td>
<td>Caffeine</td>
<td>HPLC method</td>
<td>101,076</td>
</tr>
<tr>
<td></td>
<td>Ochratoxin A</td>
<td>TLU/FAL/SOP-1</td>
<td>178,667</td>
</tr>
<tr>
<td>Product</td>
<td>Parameter</td>
<td>Standard/Method</td>
<td>Value</td>
</tr>
<tr>
<td>------------------</td>
<td>------------------------------------------------</td>
<td>----------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td><strong>BREAD</strong></td>
<td>Moisture Content</td>
<td>RS 71:2005</td>
<td>20,623</td>
</tr>
<tr>
<td></td>
<td>pH of aqueous extract</td>
<td>RS 71:2005</td>
<td>11,051</td>
</tr>
<tr>
<td></td>
<td>Acid insoluble ash</td>
<td>RS 71:2005</td>
<td>28,383</td>
</tr>
<tr>
<td></td>
<td>Crude fiber</td>
<td>TLU/FAL/SOP-9</td>
<td>46,216</td>
</tr>
<tr>
<td></td>
<td>Fat content</td>
<td>ASN 3173</td>
<td>32,354</td>
</tr>
<tr>
<td></td>
<td>Aflatoxins (B1,B2,G1&amp;G2,)</td>
<td>TLU/FAL/SOP-1</td>
<td>178,667</td>
</tr>
<tr>
<td></td>
<td>Mycotoxins (Aflatoxins, Fumonisins B1&amp;B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)</td>
<td>LC/MS-MS Method</td>
<td>341,686</td>
</tr>
<tr>
<td><strong>RICE</strong></td>
<td>Head Rice</td>
<td>RS 27:2007</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Broken Rice</td>
<td>RS 27:2007</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Damaged Rice</td>
<td>RS 27:2007</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Chalky</td>
<td>RS 27:2007</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Red or Red streaked</td>
<td>RS 27:2007</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Organic matters</td>
<td>ISO 605</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Inorganic matters</td>
<td>ISO 605</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Paddy grains</td>
<td>RS 27:2007</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Moisture content</td>
<td>NQTL/FAL/SOP-2</td>
<td>20,623</td>
</tr>
<tr>
<td></td>
<td>Live weevils</td>
<td>ISO 605</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Filth</td>
<td>ISO 605</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Aflatoxins B1,B2,G1 and G2</td>
<td>TLU/FAL/SOP-1</td>
<td>178,667</td>
</tr>
<tr>
<td></td>
<td>Mycotoxins (Aflatoxins, Fumonisins B1&amp;B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)</td>
<td>LC/MS-MS Method</td>
<td>341,686</td>
</tr>
<tr>
<td><strong>FRESH MILK</strong></td>
<td>Fat content</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
</tr>
<tr>
<td></td>
<td>Total Solid</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
</tr>
<tr>
<td></td>
<td>freezing point depression</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
</tr>
<tr>
<td></td>
<td>Lactose</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
</tr>
<tr>
<td></td>
<td>Protein content</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
</tr>
<tr>
<td></td>
<td>pH</td>
<td>RS 44:2012</td>
<td>11,051</td>
</tr>
<tr>
<td></td>
<td>Solid Non Fat</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
</tr>
<tr>
<td></td>
<td>Density</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
</tr>
<tr>
<td></td>
<td>Acidity</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
</tr>
<tr>
<td></td>
<td>pH variation</td>
<td>RS 38:2013</td>
<td>79,556</td>
</tr>
<tr>
<td></td>
<td>Foreign matters</td>
<td>RS 38:2013</td>
<td>5,666</td>
</tr>
<tr>
<td><strong>MILK POWDER</strong></td>
<td>Fat content</td>
<td>GEA Niro A9a</td>
<td>32,354</td>
</tr>
<tr>
<td></td>
<td>Protein content</td>
<td>NQTL/FAL/SOP-5</td>
<td>43,362</td>
</tr>
<tr>
<td></td>
<td>Total solids</td>
<td>GEA Niro A1b</td>
<td>20,623</td>
</tr>
<tr>
<td></td>
<td>Total ash</td>
<td>RS 45:2004</td>
<td>26,817</td>
</tr>
<tr>
<td></td>
<td>Moisture content</td>
<td>GEA Niro A1b</td>
<td>20,623</td>
</tr>
<tr>
<td>Products and Services Charges</td>
<td>RWANDA STANDARDS BOARD</td>
<td>RSB/FIN/02</td>
<td></td>
</tr>
<tr>
<td>-------------------------------</td>
<td>--------------------------</td>
<td>------------</td>
<td></td>
</tr>
<tr>
<td><strong>CHEESE</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insolubility index</td>
<td>GEA Niro A3a</td>
<td>24,487</td>
<td></td>
</tr>
<tr>
<td>Titratable acidity</td>
<td>GEA Niro A19a</td>
<td>25,041</td>
<td></td>
</tr>
<tr>
<td>Dry matter</td>
<td>AOAC 926.08</td>
<td>20,623</td>
<td></td>
</tr>
<tr>
<td>Moisture content</td>
<td>NQTL/FAL/SOP-22</td>
<td>20,623</td>
<td></td>
</tr>
<tr>
<td>Fat content</td>
<td>NQTL/FAL/SOP-23</td>
<td>32,354</td>
<td></td>
</tr>
<tr>
<td>Protein</td>
<td>FT 120 Ì AN 96a</td>
<td>27,011</td>
<td></td>
</tr>
<tr>
<td>Salt</td>
<td>FT 120 Ì AN 96a</td>
<td>27,011</td>
<td></td>
</tr>
<tr>
<td>TS</td>
<td>FT 120 Ì AN 96a</td>
<td>27,011</td>
<td></td>
</tr>
<tr>
<td><strong>YOGURT</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Protein</td>
<td>NQTL/FAL/SOP-25</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td>TS</td>
<td>NQTL/FAL/SOP-25</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td>SNF</td>
<td>NQTL/FAL/SOP-25</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td>Glucose</td>
<td>NQTL/FAL/SOP-25</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td>Fructose</td>
<td>NQTL/FAL/SOP-25</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td>Sucrose</td>
<td>NQTL/FAL/SOP-25</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td>Lactose</td>
<td>NQTL/FAL/SOP-25</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td>Carbohydrates</td>
<td>NQTL/FAL/SOP-25</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td>Fat</td>
<td>NQTL/FAL/SOP-25</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td>Lactic acid (TTA)</td>
<td>NQTL/FAL/SOP-25</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td><strong>CREAM</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fat content</td>
<td>FT 120 Ì AN 98b</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td>Protein</td>
<td>FT 120 Ì AN 98b</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td>TS</td>
<td>FT 120 Ì AN 98b</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td><strong>WHEY</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fat</td>
<td>FT 120 Ì AN 110a</td>
<td>25,041</td>
<td></td>
</tr>
<tr>
<td>Total Solid</td>
<td>FT 120 Ì AN 110a</td>
<td>25,041</td>
<td></td>
</tr>
<tr>
<td>Protein</td>
<td>FT 120 Ì AN 110a</td>
<td>25,041</td>
<td></td>
</tr>
<tr>
<td><strong>IMPROVED MILK</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
<td></td>
</tr>
<tr>
<td>Protein content</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
<td></td>
</tr>
<tr>
<td>Fat Content</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
<td></td>
</tr>
<tr>
<td>TS</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
<td></td>
</tr>
<tr>
<td>SNF</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
<td></td>
</tr>
<tr>
<td>Lactose</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
<td></td>
</tr>
<tr>
<td>FPD</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
<td></td>
</tr>
<tr>
<td>Acidity</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
<td></td>
</tr>
<tr>
<td>Citric Content</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
<td></td>
</tr>
<tr>
<td>FFA</td>
<td>NQTL/FAL/SOP-24</td>
<td>25,041</td>
<td></td>
</tr>
<tr>
<td><strong>JUICE</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glucose</td>
<td>NQTL/FAL/SOP-27</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td>Fructose</td>
<td>NQTL/FAL/SOP-27</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td>Sucrose</td>
<td>NQTL/FAL/SOP-27</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td>Citric acid</td>
<td>NQTL/FAL/SOP-27</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td>Malic acid</td>
<td>NQTL/FAL/SOP-27</td>
<td>26,436</td>
<td></td>
</tr>
<tr>
<td>Product Type</td>
<td>Parameter</td>
<td>Specification</td>
<td>Value</td>
</tr>
<tr>
<td>---------------------------</td>
<td>--------------------</td>
<td>------------------------</td>
<td>--------</td>
</tr>
<tr>
<td><strong>Total Carbohydrates</strong></td>
<td>NQTL/FAL/SOP-27</td>
<td></td>
<td>26,436</td>
</tr>
<tr>
<td>TS</td>
<td>NQTL/FAL/SOP-27</td>
<td></td>
<td>26,436</td>
</tr>
<tr>
<td>Soluble solids (Brix)</td>
<td>RS 77:2004</td>
<td></td>
<td>16,627</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>RS 77:2004</td>
<td></td>
<td>11,051</td>
</tr>
<tr>
<td><strong>FERMENTED MILK</strong></td>
<td>Fat</td>
<td>NQTL/FAL/SOP-25</td>
<td>26,436</td>
</tr>
<tr>
<td></td>
<td>Protein</td>
<td>NQTL/FAL/SOP-25</td>
<td>26,436</td>
</tr>
<tr>
<td></td>
<td>TS</td>
<td>NQTL/FAL/SOP-25</td>
<td>26,436</td>
</tr>
<tr>
<td><strong>CONCENTRED MILK</strong></td>
<td>Fat</td>
<td>FT 120 ğ AN 113a</td>
<td>25,041</td>
</tr>
<tr>
<td></td>
<td>SNF</td>
<td>FT 120 ğ AN 113a</td>
<td>25,041</td>
</tr>
<tr>
<td><strong>INFANT FORMULA</strong></td>
<td>Fat</td>
<td>FT 120 ğ AN 112a</td>
<td>25,041</td>
</tr>
<tr>
<td></td>
<td>SNF</td>
<td>FT 120 ğ AN 112a</td>
<td>25,041</td>
</tr>
<tr>
<td><strong>HONEY</strong></td>
<td>Glucose content</td>
<td>NQTL/FAL/SOP-26</td>
<td>26,436</td>
</tr>
<tr>
<td></td>
<td>Sucrose content</td>
<td>NQTL/FAL/SOP-26</td>
<td>26,436</td>
</tr>
<tr>
<td></td>
<td>Fructose content</td>
<td>NQTL/FAL/SOP-26</td>
<td>26,436</td>
</tr>
<tr>
<td></td>
<td>Citric acid</td>
<td>NQTL/FAL/SOP-26</td>
<td>26,436</td>
</tr>
<tr>
<td></td>
<td>Malic acid</td>
<td>NQTL/FAL/SOP-26</td>
<td>26,436</td>
</tr>
<tr>
<td></td>
<td>Total carbohydrates</td>
<td>NQTL/FAL/SOP-26</td>
<td>26,436</td>
</tr>
<tr>
<td></td>
<td>TS</td>
<td>NQTL/FAL/SOP-26</td>
<td>26,436</td>
</tr>
<tr>
<td><strong>MAIZE GRAINS</strong></td>
<td>Moisture content</td>
<td>NQTL/FAL/SOP-2</td>
<td>20,623</td>
</tr>
<tr>
<td></td>
<td>Foreign matter</td>
<td>ISO 605</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Inorganic matter</td>
<td>ISO 605</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Broken grains</td>
<td>RS 25:2004</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Rotten and Diseased grains</td>
<td>RS 25:2004</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Total defective grains</td>
<td>RS 25:2004</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Live weevils</td>
<td>ISO 605</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Filth</td>
<td>ISO 605</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Aflatoxins B1,B2,G1 and G2</td>
<td>TLU/FAL/SOP-1</td>
<td>178,667</td>
</tr>
<tr>
<td></td>
<td>Mycotoxins (Aflatoxins, Fumonisins B1&amp;B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)</td>
<td>LC/MS-MS Method</td>
<td>341,686</td>
</tr>
<tr>
<td><strong>Dry Beans</strong></td>
<td>Moisture content</td>
<td>NQTL/FAL/SOP-2</td>
<td>20,623</td>
</tr>
<tr>
<td></td>
<td>Foreign matter</td>
<td>ISO 605</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Inorganic matter</td>
<td>ISO 605</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Broken grains</td>
<td>EAS 46:2002</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Total defective grains</td>
<td>EAS 46:2002</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Pest defective grains</td>
<td>EAS 46:2002</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Other defective grains</td>
<td>EAS 46:2002</td>
<td>3,506</td>
</tr>
<tr>
<td></td>
<td>Live weevils</td>
<td>ISO 605</td>
<td>3,506</td>
</tr>
<tr>
<td>PROCESSED CEREALS (FLOURS)</td>
<td>Filth</td>
<td>ISO 605</td>
<td>3,506</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-------</td>
<td>---------</td>
<td>-------</td>
</tr>
<tr>
<td>Aflatoxins B1,B2,G1 and G2</td>
<td>TLU/FAL/SOP-1</td>
<td>178,667</td>
<td></td>
</tr>
<tr>
<td>Mycotoxins (Aflatoxins, Fumonisins B1&amp;B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)</td>
<td>LC/MS-MS Method</td>
<td>341,686</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CASSAVA FLOUR AND GROUND CASSAVA LEAVES</th>
<th>Moisture content</th>
<th>NQTL/FAL/SOP-2</th>
<th>20,623</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crude ash</td>
<td>TLU/FAL/SOP-8</td>
<td>26,817</td>
<td></td>
</tr>
<tr>
<td>Acid insoluble ash</td>
<td>NQTL/FAL/SOP-4</td>
<td>28,383</td>
<td></td>
</tr>
<tr>
<td>Crude fiber</td>
<td>NQTL/FAL/SOP-9</td>
<td>46,216</td>
<td></td>
</tr>
<tr>
<td>Starch</td>
<td>NIRS DS2500</td>
<td>30,889</td>
<td></td>
</tr>
<tr>
<td>Aflatoxins B1,B2,G1 and G2</td>
<td>TLU/FAL/SOP-1</td>
<td>178,667</td>
<td></td>
</tr>
<tr>
<td>Mycotoxins (Aflatoxins, Fumonisins B1&amp;B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)</td>
<td>LC/MS-MS Method</td>
<td>341,686</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANIMAL FEEDS</th>
<th>Moisture content</th>
<th>NQTL/FAL/SOP-2</th>
<th>20,623</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crude ash</td>
<td>TLU/FAL/SOP-8</td>
<td>26,817</td>
<td></td>
</tr>
<tr>
<td>Acid insoluble ash</td>
<td>NQTL/FAL/SOP-4</td>
<td>28,383</td>
<td></td>
</tr>
<tr>
<td>Crude fiber</td>
<td>NQTL/FAL/SOP-9</td>
<td>46,216</td>
<td></td>
</tr>
<tr>
<td>Crude Fat</td>
<td>ASN 3166</td>
<td>32,354</td>
<td></td>
</tr>
<tr>
<td>Crude Protein</td>
<td>NQTL/FAL/SOP-5</td>
<td>43,362</td>
<td></td>
</tr>
<tr>
<td>Aflatoxins B1,B2,G1 and G2</td>
<td>TLU/FAL/SOP-1</td>
<td>178,667</td>
<td></td>
</tr>
<tr>
<td>Mycotoxins (Aflatoxins, Fumonisins B1&amp;B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)</td>
<td>LC/MS-MS Method</td>
<td>341,686</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BISCUITS</th>
<th>Moisture content</th>
<th>NQTL/FAL/SOP-20</th>
<th>20,623</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acid insoluble ash</td>
<td>NQTL/FAL/SOP-21</td>
<td>28,383</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MACADAMIA KERNELS</th>
<th>Moisture</th>
<th>NQTL/FAL/SOP-2</th>
<th>20,623</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total ash</td>
<td>NQTL/FAL/SOP-3</td>
<td>26,817</td>
<td></td>
</tr>
<tr>
<td>Products and Services Charges</td>
<td>RWANDA STANDARDS BOARD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oil content</td>
<td>RS 170:2012</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shrunken and Shriveled kernels</td>
<td>RS 170:2012</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mouldy kernels</td>
<td>RS 170:2012</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rotten and insects damaged</td>
<td>RS 170:2012</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foreign matters</td>
<td>ISO 605</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aflatoxins B1,B2,G1 and G2</td>
<td>TLU/FAL/SOP-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mycotoxins (Aflatoxins, Fumonisins B1&amp;B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)</td>
<td>LC/MS-MS Method</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Live Insects</td>
<td>ISO 605</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moisture content</td>
<td>EAS 57:2000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Damaged kernels</td>
<td>EAS 57:2000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other defects</td>
<td>EAS 57:2000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unshelled kernels</td>
<td>EAS 57:2000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total defective kernels</td>
<td>EAS 57:2000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foreign matters</td>
<td>ISO 605</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oil content</td>
<td>ASN 3136</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aflatoxins B1,B2,G1 and G2</td>
<td>TLU/FAL/SOP-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mycotoxins (Aflatoxins, Fumonisins B1&amp;B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)</td>
<td>LC/MS-MS Method</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moisture content</td>
<td>AOAC - 925.45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total ash</td>
<td>RS 94:2007</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acid insoluble ash,</td>
<td>RS 94:2007</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sulfated ash,</td>
<td>RS 94:2007</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crude fat</td>
<td>NQTL/FAL/SOP-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crude protein</td>
<td>NQTL/FAL/SOP-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moisture</td>
<td>NQTL/FAL/SOP-28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nitrogen</td>
<td>NQTL/FAL/SOP-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>RS 106:2007</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moisture</td>
<td>NQTL/FAL/SOP-28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nitrogen</td>
<td>NQTL/FAL/SOP-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phosphorus</td>
<td>KS 157:1998</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potassium</td>
<td>KS 158:1999</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>RS 106:2007</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium</td>
<td>NQTL/FAL/SOP-28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ammonium Nitrate</td>
<td>NQTL/FAL/SOP-28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nitrogen</td>
<td>NQTL/FAL/SOP-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POTASSIUM</td>
<td>NQTL/FAL/SOP-28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Products and Services Charges</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------</td>
<td>--</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHLORIDE/MoP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potassium</td>
<td>KS 158:1999</td>
<td>21,494</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>RS 106:2007</td>
<td>11,051</td>
<td></td>
</tr>
<tr>
<td>DAP/MAP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moisture</td>
<td>NQTL/FAL/SOP-28</td>
<td>20,623</td>
<td></td>
</tr>
<tr>
<td>Nitrogen</td>
<td>NQTL/FAL/SOP-5</td>
<td>43,362</td>
<td></td>
</tr>
<tr>
<td>Phosphorus</td>
<td>KS 157:1998</td>
<td>37,403</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>RS 106:2007</td>
<td>11,051</td>
<td></td>
</tr>
<tr>
<td>Compost/ Organic manure</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moisture</td>
<td>NQTL/FAL/SOP-28</td>
<td>20,623</td>
<td></td>
</tr>
<tr>
<td>Nitrogen</td>
<td>NQTL/FAL/SOP-5</td>
<td>43,362</td>
<td></td>
</tr>
<tr>
<td>Phosphorus</td>
<td>KS 157:1998</td>
<td>37,403</td>
<td></td>
</tr>
<tr>
<td>Potassium</td>
<td>KS 158:1999</td>
<td>21,494</td>
<td></td>
</tr>
<tr>
<td>Organic matters</td>
<td>NQTL/FAL/SOP-3</td>
<td>26,817</td>
<td></td>
</tr>
<tr>
<td>C/N Ratio</td>
<td>Conversion method</td>
<td>62,634</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>RS 106:2007</td>
<td>11,051</td>
<td></td>
</tr>
<tr>
<td>Chili sauce</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total solids</td>
<td>RS 123:2012</td>
<td>17,416</td>
<td></td>
</tr>
<tr>
<td>Acidity as acetic acid</td>
<td>RS 123:2012</td>
<td>7,698</td>
<td></td>
</tr>
<tr>
<td>WATER</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>ISO 10523:2008</td>
<td>11,051</td>
<td></td>
</tr>
<tr>
<td>TDS</td>
<td>ISO 7888:1985 (E)</td>
<td>11,054</td>
<td></td>
</tr>
<tr>
<td>Conductivity</td>
<td>ISO 7888:1985 (E)</td>
<td>11,054</td>
<td></td>
</tr>
<tr>
<td>Sulfate as SO$_4^{2-}$</td>
<td>AOAC 973.57</td>
<td>27,171</td>
<td></td>
</tr>
<tr>
<td>Chloride as Cl$^{-}$</td>
<td>NQTL/ICH/SOP-5</td>
<td>17,689</td>
<td></td>
</tr>
<tr>
<td>Sodium as Na$^+$</td>
<td>NQTL/ICH/SOP-10</td>
<td>21,494</td>
<td></td>
</tr>
<tr>
<td>Potassium as K$^+$</td>
<td>NQTL/ICH/SOP-9</td>
<td>21,494</td>
<td></td>
</tr>
<tr>
<td>Lead as Pb$^{2+}$</td>
<td>NQTL/ICH/SOP-12</td>
<td>35,462</td>
<td></td>
</tr>
<tr>
<td>Arsenic (Total)</td>
<td>NQTL/ICH/SOP-12</td>
<td>35,462</td>
<td></td>
</tr>
<tr>
<td>Mercury as Hg$^{2+}$</td>
<td>NQTL/ICH/SOP-12</td>
<td>35,462</td>
<td></td>
</tr>
<tr>
<td>Magnesium as Mg$^{2+}$</td>
<td>NQTL/ICH/SOP-12</td>
<td>35,462</td>
<td></td>
</tr>
<tr>
<td>Manganese as Mn$^{2+}$</td>
<td>NQTL/ICH/SOP-12</td>
<td>35,462</td>
<td></td>
</tr>
<tr>
<td>Chromium (Total)</td>
<td>NQTL/ICH/SOP-12</td>
<td>35,462</td>
<td></td>
</tr>
<tr>
<td>Calcium as Ca$^{2+}$</td>
<td>NQTL/ICH/SOP-12</td>
<td>35,462</td>
<td></td>
</tr>
<tr>
<td>Cadmium as Cd$^{2+}$</td>
<td>NQTL/ICH/SOP-12</td>
<td>35,462</td>
<td></td>
</tr>
<tr>
<td>Zinc as Zn$^{2+}$</td>
<td>NQTL/ICH/SOP-12</td>
<td>35,462</td>
<td></td>
</tr>
<tr>
<td>Tin as Sn$^{4+}$</td>
<td>NQTL/ICH/SOP-12</td>
<td>35,462</td>
<td></td>
</tr>
<tr>
<td>Alum inium as Al$^{3+}$</td>
<td>NQTL/ICH/SOP-12</td>
<td>35,462</td>
<td></td>
</tr>
<tr>
<td>Iron as Fe$^{2+}$</td>
<td>NQTL/ICH/SOP-12</td>
<td>35,462</td>
<td></td>
</tr>
<tr>
<td>Copper as Cu$^{2+}$</td>
<td>NQTL/ICH/SOP-12</td>
<td>35,462</td>
<td></td>
</tr>
<tr>
<td>Copper as Ba$^{2+}$</td>
<td>NQTL/ICH/SOP-12</td>
<td>35,462</td>
<td></td>
</tr>
<tr>
<td>Copper as Bi$^{3+}$</td>
<td>NQTL/ICH/SOP-12</td>
<td>35,462</td>
<td></td>
</tr>
<tr>
<td>HEAVY METALS in Digestible Matrices</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium as Na$^+$</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Potassium as K$^+$</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Iron as Fe$^{2+}$</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Revision</td>
<td>01</td>
<td>Page 15 of 42</td>
<td>Date: 28 November 2014</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>Copper as Cu$^{2+}$</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Chromium (Total)</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Cadmium as Cd$^{2+}$</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Calcium as Ca$^{2+}$</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Magnesium Mg$^{2+}$</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Manganese as Mn$^{2+}$</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Aluminim as Al$^{3+}$</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Nickel as Ni$^{2+}$</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Tin as Sn$^{4+}$</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Lead as Pb$^{2+}$</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Mercury as Hg$^{2+}$</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Arsenic (Total)</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Barium as Ba$^{2+}$</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Zinc as Zn$^{2+}$</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Titanium as Ti$^{4+}$</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
<tr>
<td>Bismuth as Bi$^{3+}$</td>
<td>NQTL/ICH/SOP-13</td>
<td>42,512</td>
<td></td>
</tr>
</tbody>
</table>

**Honey**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Moisture content</td>
<td>RS 141:2007</td>
<td>11,182</td>
</tr>
<tr>
<td>Total ash</td>
<td>RS 164:2007</td>
<td>26,817</td>
</tr>
<tr>
<td>Acidity</td>
<td>RS 164:2007</td>
<td>11,209</td>
</tr>
<tr>
<td>Hydroxymethyl furfural (HMF)</td>
<td>RS 164:2007</td>
<td>30,286</td>
</tr>
<tr>
<td>Fiehe's test</td>
<td>RS 164:2007</td>
<td>8,912</td>
</tr>
<tr>
<td>Total Water Insoluble matter</td>
<td>RS 164:2007</td>
<td>13,668</td>
</tr>
<tr>
<td>Relative Density</td>
<td>RS 164:2007</td>
<td>13,753</td>
</tr>
</tbody>
</table>

**Sugar**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Polarization</td>
<td>KS 05-58:1998</td>
<td>19,488</td>
</tr>
<tr>
<td>Moisture Content</td>
<td>KS 05-58:1998</td>
<td>20,623</td>
</tr>
<tr>
<td>Sulfur dioxide</td>
<td>KS 05-58:1998</td>
<td>12,250</td>
</tr>
<tr>
<td>Conductivity ash</td>
<td>KS 05-58:1998</td>
<td>15,041</td>
</tr>
<tr>
<td>Total Water Insoluble</td>
<td>KS 05-58:1998</td>
<td>13,668</td>
</tr>
<tr>
<td>Colour</td>
<td>KS 05-58:1998</td>
<td>25,041</td>
</tr>
</tbody>
</table>

**Salts**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Insoluble matter</td>
<td>KS 05-2029:1989</td>
<td>13,668</td>
</tr>
<tr>
<td>Sulfates</td>
<td>KS 05-2029:1989</td>
<td>15,613</td>
</tr>
<tr>
<td>Total Chloride as (NaCl)</td>
<td>KS 05-2029:1989</td>
<td>17,689</td>
</tr>
<tr>
<td>Iodine</td>
<td>AOAC 925.56</td>
<td>21,328</td>
</tr>
<tr>
<td>Moisture content</td>
<td>KS 05-2029:1989</td>
<td>20,623</td>
</tr>
</tbody>
</table>

**Cooking Oil**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Refractive Index</td>
<td>ISO 6320:1998</td>
<td>11,182</td>
</tr>
<tr>
<td>Moisture content</td>
<td>ISO 662:1998</td>
<td>20,623</td>
</tr>
<tr>
<td>Peroxide value</td>
<td>NQTL/ICH/ SOP-5</td>
<td>14,354</td>
</tr>
<tr>
<td>Saponification Value</td>
<td>NQTL/ICH/ SOP-6</td>
<td>18,011</td>
</tr>
<tr>
<td>Acid value</td>
<td>NQTL/ICH/ SOP-7</td>
<td>16,011</td>
</tr>
<tr>
<td>Relative Density</td>
<td>EAS 316: 2002</td>
<td>13,753</td>
</tr>
<tr>
<td>PRODUCT</td>
<td>PARAMETER</td>
<td>TEST METHOD (SOP)</td>
</tr>
<tr>
<td>---------</td>
<td>-----------</td>
<td>------------------</td>
</tr>
<tr>
<td>ALCOHOLIC BEVERAGES (Rum, Gin, whisky, Brandy, wine, Beer, vodka)</td>
<td>Ethanol content</td>
<td>NQTL/OCH/SOP-01</td>
</tr>
<tr>
<td></td>
<td>Volatile acids as acetic acid</td>
<td>NQTL/OCH/SOP-02</td>
</tr>
<tr>
<td></td>
<td>Total acidity as tartaric acid</td>
<td>NQTL/OCH/SOP-03</td>
</tr>
<tr>
<td></td>
<td>Ester as ethyl acetate</td>
<td>RS EAS 104: 2000 Clause 11</td>
</tr>
<tr>
<td></td>
<td>Aldehydes as acetaldehydes</td>
<td>RS EAS 104: 2000 Clause 12</td>
</tr>
<tr>
<td></td>
<td>Ash</td>
<td>RS EAS 104: 2000 Clause 17</td>
</tr>
<tr>
<td></td>
<td>Suspended solids</td>
<td>RS EAS 104: 2000 Clause 18</td>
</tr>
<tr>
<td></td>
<td>Dissolved solids</td>
<td>RS EAS 104: 2000 Clause 19</td>
</tr>
<tr>
<td></td>
<td>Total solids</td>
<td>RS EAS 104: 2000 Clause 20</td>
</tr>
<tr>
<td></td>
<td>pH</td>
<td>ISO 1842</td>
</tr>
<tr>
<td>BAR SOAPS (Toilet soaps, Laundry bar soap)</td>
<td>Total free alkali as Na₂O</td>
<td>ISO 684</td>
</tr>
<tr>
<td></td>
<td>Total fatty matter</td>
<td>NQTL/OCH/SOP-12</td>
</tr>
<tr>
<td></td>
<td>Matter insoluble in ethanol</td>
<td>ISO 673</td>
</tr>
<tr>
<td></td>
<td>Matter insoluble in water</td>
<td>ISO 6839</td>
</tr>
<tr>
<td></td>
<td>Free caustic alkali as NaOH</td>
<td>ISO 456</td>
</tr>
<tr>
<td></td>
<td>Moisture and volatile matter</td>
<td>ISO 672</td>
</tr>
<tr>
<td>LIQUID SOAPS (Liquid household hand dishwashing and lightly duty detergent; Synthetic organic liquid detergent for household use)</td>
<td>Solubility in water</td>
<td>RS 383 Annex A</td>
</tr>
<tr>
<td></td>
<td>Matter insoluble</td>
<td>RS 250 Annex A</td>
</tr>
<tr>
<td></td>
<td>pH at 27ºC</td>
<td>RS 250 Annex B</td>
</tr>
<tr>
<td></td>
<td>Rinsing properties</td>
<td>RS 250 Annex C</td>
</tr>
<tr>
<td></td>
<td>Moisture and volatile matter</td>
<td>RS 250 Annex D</td>
</tr>
<tr>
<td></td>
<td>Inorganic salt</td>
<td>RS 250 Annex E</td>
</tr>
<tr>
<td></td>
<td>Total fatty matter</td>
<td>NQTL/OCH/SOP-12</td>
</tr>
<tr>
<td></td>
<td>Matter insoluble in ethanol</td>
<td>ISO 673</td>
</tr>
<tr>
<td></td>
<td>Free caustic alkali as K₂O</td>
<td>ISO 456</td>
</tr>
<tr>
<td>Products and Services Charges</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td><strong>ISO 4316</strong></td>
<td><strong>11,051</strong></td>
</tr>
<tr>
<td><strong>SKIN POWDERS</strong></td>
<td>Solubility of colours</td>
<td>RS 101 : 2006 Annex A</td>
</tr>
<tr>
<td></td>
<td>Matter insoluble in boiling water</td>
<td>RS 101 : 2006 Annex B</td>
</tr>
<tr>
<td></td>
<td>Moisture and Volatile matter</td>
<td>RS 101 : 2006 Annex D</td>
</tr>
<tr>
<td></td>
<td>pH of aqueous suspension</td>
<td>RS 101 : 2006 Annex E</td>
</tr>
<tr>
<td><strong>SCOURING POWDER</strong></td>
<td>Volatile Matter</td>
<td>EAS 294:2001 Clause 6.2</td>
</tr>
<tr>
<td></td>
<td>Free alkali content (as NaOH)</td>
<td>EAS 294:2001 Clause 6.3</td>
</tr>
<tr>
<td></td>
<td>Matter insoluble in water</td>
<td>EAS 294:2001 Clause 6.5</td>
</tr>
<tr>
<td></td>
<td>pH of 1% solution</td>
<td>EAS 294:2001</td>
</tr>
<tr>
<td><strong>SANITARY TOWELS</strong></td>
<td>pH value</td>
<td>EAS 261, Method Ba)</td>
</tr>
<tr>
<td></td>
<td>Absorbency capacity</td>
<td>EAS 96:2008 Annex C</td>
</tr>
<tr>
<td></td>
<td>Moisture content of filler material</td>
<td>EAS 96:2008 Annex E</td>
</tr>
<tr>
<td><strong>SKIN CARE CREAMS, LOTIONS AND GELS</strong></td>
<td>Thermal stability</td>
<td>EAS 786: 2013 Annex A</td>
</tr>
<tr>
<td></td>
<td>pH range</td>
<td>EAS 786: 2013 Annex B</td>
</tr>
<tr>
<td></td>
<td>Total fatty substance content</td>
<td>EAS 786: 2013 Annex C</td>
</tr>
<tr>
<td></td>
<td>Hydroquinone</td>
<td>HPLC-UV/Vis</td>
</tr>
<tr>
<td><strong>POMADES AND SOLID BRILLIANTINES</strong></td>
<td>Sulphated ash</td>
<td>EAS 342: 2013 Annex B</td>
</tr>
<tr>
<td><strong>TOILET PAPER</strong></td>
<td>Water absorption</td>
<td>EAS 355: 2004 Annex C</td>
</tr>
<tr>
<td></td>
<td>pH value, hot extract</td>
<td>EAS 355: 2004 Annex D</td>
</tr>
<tr>
<td></td>
<td>Moisture content</td>
<td>EAS 355: 2004 Annex E</td>
</tr>
<tr>
<td><strong>PETROLEUM PRODUCTS</strong></td>
<td>Distillation</td>
<td>ASTM D 86 - 09</td>
</tr>
<tr>
<td>(Gasoline, Diesel, Kerosene, Engine Oil)</td>
<td>Kinematic Viscosity</td>
<td>ASTM D 445 - 09</td>
</tr>
<tr>
<td></td>
<td>Relative Density</td>
<td>ASTM D 6822 - 02</td>
</tr>
<tr>
<td></td>
<td>Research Octane Number (Ron)</td>
<td>ERASPEC</td>
</tr>
<tr>
<td></td>
<td>Motor Octane Number (Mon)</td>
<td>ERASPEC</td>
</tr>
<tr>
<td></td>
<td>Aromatics Content</td>
<td>ERASPEC</td>
</tr>
<tr>
<td></td>
<td>Methanol</td>
<td>ERASPEC</td>
</tr>
<tr>
<td></td>
<td>Olefin Content</td>
<td>ERASPEC</td>
</tr>
<tr>
<td></td>
<td>Ethanol</td>
<td>ERASPEC</td>
</tr>
<tr>
<td></td>
<td>Oxygen Content</td>
<td>ERASPEC</td>
</tr>
<tr>
<td></td>
<td>Flash Point</td>
<td>ASTM D56 - 05</td>
</tr>
<tr>
<td></td>
<td>Cetane Number</td>
<td>ERASPEC</td>
</tr>
<tr>
<td>Products and Services Charges</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------------------</td>
<td>--------------------------------</td>
<td></td>
</tr>
<tr>
<td>Cetane Index</td>
<td>ERASPEC</td>
<td>21,675</td>
</tr>
<tr>
<td>Polyaromatic hydrocarbons (PAH)</td>
<td>ERASPEC</td>
<td>21,675</td>
</tr>
<tr>
<td>FAMES</td>
<td>ERASPEC</td>
<td>21,675</td>
</tr>
<tr>
<td><strong>ESSENTIAL OIL</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acid value</td>
<td>ISO 1242</td>
<td>25,480</td>
</tr>
<tr>
<td>Ester value</td>
<td>ISO 709</td>
<td>22,436</td>
</tr>
<tr>
<td>Refractive index</td>
<td>ISO 280</td>
<td>10,870</td>
</tr>
<tr>
<td>Flash Point</td>
<td>ISO/TR 11018</td>
<td>31,500</td>
</tr>
<tr>
<td><strong>MILK and MILK PRODUCT</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tetracyclines</td>
<td>LC/MS/MS</td>
<td>156,740</td>
</tr>
<tr>
<td>Nitrofurans</td>
<td>LC/MS/MS</td>
<td>108,370</td>
</tr>
<tr>
<td>Antibiotics (6 Beta Lactam)</td>
<td>LC/MS/MS</td>
<td>204,192</td>
</tr>
<tr>
<td>Chloramphenicol</td>
<td>LC/MS/MS</td>
<td>42,312</td>
</tr>
<tr>
<td>Organophosphorus pesticides (OPPs)</td>
<td>GC/MS/MS</td>
<td>126,700</td>
</tr>
<tr>
<td>Organochlorine Pesticides (OCPs)</td>
<td>GC/MS/MS</td>
<td>126,700</td>
</tr>
<tr>
<td><strong>CURRY and CHILI POWDER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sudan I,II,III,IV</td>
<td>LC/MS/MS</td>
<td>152,468</td>
</tr>
<tr>
<td>Sudan red 7B</td>
<td>LC/MS/MS</td>
<td>38,300</td>
</tr>
<tr>
<td>Sudan Orange G</td>
<td>LC/MS/MS</td>
<td>38,300</td>
</tr>
<tr>
<td>Rhodamine B</td>
<td>LC/MS/MS</td>
<td>38,300</td>
</tr>
<tr>
<td><strong>DRINKING WATER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polychromatic Hydrocarbons (PAH)</td>
<td>GCMS</td>
<td>106,714</td>
</tr>
<tr>
<td>Organophosphorus pesticides</td>
<td>GC/MS/MS</td>
<td>106,714</td>
</tr>
<tr>
<td>Organochlorine Pesticides</td>
<td>GCMSMS</td>
<td>106,714</td>
</tr>
<tr>
<td><strong>HONEY</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organophosphorus pesticides</td>
<td>GC/MS/MS</td>
<td>136,700</td>
</tr>
<tr>
<td>Organochlorine Pesticides</td>
<td>GC/MS/MS</td>
<td>136,700</td>
</tr>
<tr>
<td>Carbamates</td>
<td>LC/MS/MS</td>
<td>137,445</td>
</tr>
</tbody>
</table>

3. Microbiology

<table>
<thead>
<tr>
<th>Water Filters</th>
<th>TVC- challenge water</th>
<th>TVC- filtered water</th>
<th>E. coli- challenge water</th>
<th>E. coli- filtered water</th>
<th>Diluted and Neat</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NQTL/MIC/SOP-01</td>
<td>NQTL/MIC/SOP-01</td>
<td>NQTL/MIC/SOP-04</td>
<td>NQTL/MIC/SOP-04</td>
<td>NQTL/MIC/SOP-04</td>
</tr>
<tr>
<td></td>
<td>32424</td>
<td>32424</td>
<td>32484</td>
<td>32484</td>
<td>35050</td>
</tr>
</tbody>
</table>

Revision 01 Page 19 of 42 Date: 28 November 2014
<table>
<thead>
<tr>
<th>samples</th>
<th>Method</th>
<th>Code</th>
<th>Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>E Coli-Neat samples</td>
<td>NQTL/MIC/SOP-04</td>
<td>32324</td>
<td></td>
</tr>
<tr>
<td>E Coli-Water samples</td>
<td>NQTL/MIC/SOP-04</td>
<td>32484</td>
<td></td>
</tr>
<tr>
<td>Faecal Coliforms - DILUTED samples</td>
<td>NQTL/MIC/SOP-03</td>
<td>31147</td>
<td></td>
</tr>
<tr>
<td>Faecal Coliforms - Neat samples</td>
<td>NQTL/MIC/SOP-03</td>
<td>28421</td>
<td></td>
</tr>
<tr>
<td>Faecal Coliforms-water samples</td>
<td>NQTL/MIC/SOP-04</td>
<td>32424</td>
<td></td>
</tr>
<tr>
<td>S. Aureus-Diluted samples</td>
<td>NQTL/MIC/SOP-12</td>
<td>35545</td>
<td></td>
</tr>
<tr>
<td>S. Aureus-Neat samples</td>
<td>NQTL/MIC/SOP-12</td>
<td>32929</td>
<td></td>
</tr>
<tr>
<td>S. Aureus-Water samples</td>
<td>NQTL/MIC/SOP</td>
<td>33088</td>
<td></td>
</tr>
<tr>
<td>Salmonella spp-Diluted samples</td>
<td>NQTL/MIC/SOP-10</td>
<td>56385</td>
<td></td>
</tr>
<tr>
<td>Salmonella spp-Water samples</td>
<td>NQTL/MIC/SOP-09</td>
<td>56545</td>
<td></td>
</tr>
<tr>
<td>Sulfite Reducing Anaerobes-Diluted samples</td>
<td>ISO 15213</td>
<td>30540</td>
<td></td>
</tr>
<tr>
<td>Sulfite Reducing Anaerobes-Neat samples</td>
<td>ISO 15213</td>
<td>27814</td>
<td></td>
</tr>
<tr>
<td>Sulfite Reducing Anaerobes-Water samples</td>
<td>ISO 6461-2</td>
<td>27880</td>
<td></td>
</tr>
<tr>
<td>TC - DILUTED samples</td>
<td>NQTL/MIC/SOP-03</td>
<td>34990</td>
<td></td>
</tr>
<tr>
<td>TC- water samples</td>
<td>NQTL/MIC/SOP-04</td>
<td>32424</td>
<td></td>
</tr>
<tr>
<td>TC-Neat samples</td>
<td>NQTL/MIC/SOP-03</td>
<td>32264</td>
<td></td>
</tr>
<tr>
<td>TVC - Diluted samples</td>
<td>NQTL/MIC/SOP-02</td>
<td>41145</td>
<td></td>
</tr>
<tr>
<td>TVC- NEAT Samples</td>
<td>NQTL/MIC/SOP-02</td>
<td>31808</td>
<td></td>
</tr>
<tr>
<td>TVC-Water</td>
<td>NQTL/MIC/SOP-01</td>
<td>35811</td>
<td></td>
</tr>
<tr>
<td>Y&amp;M - Diluted samples</td>
<td>NQTL/MIC/SOP-06</td>
<td>50607</td>
<td></td>
</tr>
<tr>
<td>Y&amp;M-Neat samples</td>
<td>NQTL/MIC/SOP-05or 07</td>
<td>39865</td>
<td></td>
</tr>
<tr>
<td>Sample Type</td>
<td>Standard Code</td>
<td>Code</td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
<td>---------------</td>
<td>------</td>
<td></td>
</tr>
<tr>
<td>Listeria Spp- Diluted samples</td>
<td>ISO 11290-1</td>
<td>56385</td>
<td></td>
</tr>
<tr>
<td>Listeria Spp- Neat samples</td>
<td>ISO 11290-1</td>
<td>56385</td>
<td></td>
</tr>
<tr>
<td>Shigella Spp- Diluted samples</td>
<td>ISO 21567</td>
<td>56385</td>
<td></td>
</tr>
<tr>
<td>Shigella Spp- Neat samples</td>
<td>ISO 21567</td>
<td>56385</td>
<td></td>
</tr>
<tr>
<td>Vibrio ssp - Neat samples</td>
<td>ISO8914</td>
<td>56385</td>
<td></td>
</tr>
<tr>
<td>Vibrio ssp Diluted samples</td>
<td>ISO8914</td>
<td>56385</td>
<td></td>
</tr>
</tbody>
</table>
**CERTIFICATION SERVICES CHARGES**

**REVISED NOVEMBER 2014**

**NB:** The following costs are subsidized:
- Auditor travel costs within Kigali or elsewhere within the country
- Mission allowances
- Testing cost for samples taken during Surveillance Audits (applicable to Product Certification only)
- Testing Cost for Market Surveillance Samples (applicable to Product Certification only)

RSB reserve the right to revise the fees when deemed necessary

### 1. Product certification

<table>
<thead>
<tr>
<th>Activity</th>
<th>Amount (RWF)</th>
<th>Rational</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial certification</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cost for Application</td>
<td>30,000</td>
<td>Administrative Service Cost including Application Review</td>
</tr>
<tr>
<td>Factory Audit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basic audit cost per category;</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Category A</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100,000 RWF with 1 - 20 full time employees</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Category B</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>200,000 with 20 - 50 full time employees</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Category C</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>400,000 with over 50 full time employees</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30,000 for each additional product</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Testing cost for sample(s) taken during the initial audit</td>
<td>Published by RSB Quality Testing Laboratory Division. The cost will vary depending on parameters as per relevant standard</td>
<td>In addition to Audit Report, Test Results is part of the basis for Certification Decision</td>
</tr>
<tr>
<td>License for two (2) years</td>
<td>100,000 per product.</td>
<td>Administrative Service Cost</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Issuance of License</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Surveillance audit at the factory at least once in certification cycle</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Market Surveillance at least twice in certification cycle</td>
</tr>
</tbody>
</table>
### Re-certification

Renewal of Certification Contract. Process begins two months towards end of the 2 years

The same as above minus cost for application

At the point RSB already has the details of the client

**Formula:**

\[
PCF = CAp + cBAC + n-1(AdP) + n(CPL)
\]

Where:
- \( PCF \) is Product Certification Fee,
- \( CAp \) is Cost for Application,
- \( cBAC \) is Category Basic Audit Cost,
- \( n-1(AdP) \) is Number of additional product(s) X Cost for Additional Product,
- \( n(CPL) \) is Number of product(s) X Cost of Product License

### 2. HACCP system certification

<table>
<thead>
<tr>
<th>Activity</th>
<th>Amount (RwF)</th>
<th>Rational</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-assessment (Gap analysis)</td>
<td>Free service</td>
<td>To give chance all enterprises to know how far or near they are towards Certification readiness</td>
</tr>
<tr>
<td>Cost for Application</td>
<td>30,000</td>
<td>Administrative Service Cost including Application Review</td>
</tr>
<tr>
<td>Stage 1 audit (Desk audit + onsite visit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st Pay</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Category A</td>
<td>100,000 with 1 to 20 fulltime employees</td>
<td></td>
</tr>
<tr>
<td>Category B</td>
<td>200,000 with 20 - 50 fulltime employees</td>
<td></td>
</tr>
<tr>
<td>Category C</td>
<td>300,000 with over 50 fulltime employee</td>
<td></td>
</tr>
<tr>
<td>NB: Extra 100, 000 will be paid for onsite (client's premises) Desk audit i.e Desk audit not done at RSB headquarters.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stage 2 audit (Site audit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2nd Pay</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>50,000 per audit day</td>
<td></td>
</tr>
<tr>
<td>Days are calculated according to</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ISO/TS 22003 Food safety management systems &amp; Requirements for bodies providing audit and certification of food safety management systems</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Preparation for on-site audit</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Auditing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Report generation to client</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Closure of non-conformities if any</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Submission of Client's file for Certification decision</td>
<td></td>
</tr>
</tbody>
</table>
### RWANDA STANDARDS BOARD

#### Products and Services Charges

<table>
<thead>
<tr>
<th>Service Description</th>
<th>Fee</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>License for three (3) years</td>
<td>50,000</td>
<td>Administrative Service Cost for License issuance</td>
</tr>
<tr>
<td>Surveillance audits (at least once a year)</td>
<td>50,000 per audit day</td>
<td>Assessment for continual compliance and Report generation to client about the status</td>
</tr>
</tbody>
</table>

#### RE-CERTIFICATION

<table>
<thead>
<tr>
<th>Service Description</th>
<th>Fee</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renewal of Certification Contract. Process begins two months towards end of the 3 years</td>
<td>The same as above minus cost for application</td>
<td>At the point RSB already has the details of the client</td>
</tr>
</tbody>
</table>

### 3. System (FSMS, QMS & EMS) certification

#### Pre-assessment (Gap analysis)

<table>
<thead>
<tr>
<th>Service Description</th>
<th>Fee</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free service</td>
<td></td>
<td>To give chance all enterprises to know how far or near they are towards Certification readiness</td>
</tr>
</tbody>
</table>

#### Cost for Application

<table>
<thead>
<tr>
<th>Service Description</th>
<th>Fee</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>50,000</td>
<td></td>
<td>Administrative Service Cost including Application Review</td>
</tr>
</tbody>
</table>

#### Stage 1 audit (Desk audit + onsite visit)

<table>
<thead>
<tr>
<th>Service Description</th>
<th>Fee</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stage 1 audit cost per category</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Category A</strong></td>
<td>100,000 RWF with 1-20 employees</td>
<td></td>
</tr>
<tr>
<td><strong>Category B</strong></td>
<td>200,000 with 20-50 fulltime employees</td>
<td></td>
</tr>
<tr>
<td><strong>Category C</strong></td>
<td>400,000 with over 50 fulltime employee</td>
<td></td>
</tr>
<tr>
<td>NB: Extra 200,000 will be paid for onsite (client’s premises) Desk audit i.e Desk audit not done at RSB headquarters.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Stage 2 audit (Site audit)

<table>
<thead>
<tr>
<th>Service Description</th>
<th>Fee</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>100,000 per audit day (man day)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Days are calculated according to</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• IAF MD 5:2009 IAF Mandatory Document for Duration of QMS and EMS Audits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• ISO/TS 22003 Food safety management systems Requirements for bodies providing audit and certification of food safety management systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Review of Enterprise System Documentation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Generate Report to client on documentation status</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Enterprise on-site visit to determine client’s readiness to stage 2 audit and feasibility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Preparation for on-site audit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Auditing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Report generation to client</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Closure of non-conformities if any</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Submission of Client’s file for Certification decision</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

Revision 01 | Page 24 of 42 | Date: 28 November 2014
<table>
<thead>
<tr>
<th>Service</th>
<th>Fee</th>
<th>Fee Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>License for three (3) years</td>
<td>50,000RWF</td>
<td>Administrative Service Cost for License issuance</td>
</tr>
<tr>
<td>Surveillance audits (at least once a year)</td>
<td>100,000 per audit day</td>
<td>Assessment for continual compliance</td>
</tr>
<tr>
<td>Renewal of Certification Contract. Process begins two months towards end of the 3 years</td>
<td>The same as above minus cost for application</td>
<td>At the point RSB already has the details of the client</td>
</tr>
</tbody>
</table>

Calculation of minimum initial certification for **Food Safety Management System** audit time, the minimum audit time for a single site, $T_s$, expressed in days, is calculated as follows: Client with **multiple site will pay additional amount** as per Table B.1 of ISO/TS 22003

$$T_s = T_D + T_H + T_MS + T_FTE$$

**Where:**
- $T_D$ is the basic on-site audit time, in days;
- $T_H$ is the number of audit days for additional HACCP studies;
- $T_MS$ is the number of audit days for absence of relevant management system;
- $T_FTE$ is the number of audit days per number of employees.
METROLOGY SERVICES CHARGES

The price of services offered by Metrology Division for verification and calibration of measuring instruments is determined mainly according to the following:

1. **Fixed Costs (FC)**

   1.1 **Cost of Physical Standards (CPS)**
   The price includes the cost of standards equipment (recoup price, insurance cost and traceability cost)

   1.2 **Cost of Laboratory infrastructure (CLI)**
   This price includes the cost of construction, heating/cooling, lighting, insurance, etc.

2. **Variable Costs (VC)**

   2.1 **Cost of Laboratory consumables (CLC)**
   This price includes all consumables in the lab like paper, electricity, water, stickers, oil, seals, etc.

   2.2 **Direct labor (DL)**
   The price includes salaries of staff and allowances

3. **Gross Margin (GM)**

   The price includes complexity in calibration, care and handling of instruments and standards.

   **Note:** The service fee by unit is obtained by summing fixed and variable costs taking into account time and number of staff to offer the service.

   1) FC=CPS+CLI
   2) VC=CLC+DL
   3) TC= (FC+VC)*(1+GM %)
Note: All costs are evaluated by working hours per day (9 hours)

<table>
<thead>
<tr>
<th>S/N</th>
<th>Product Class</th>
<th>Equipment</th>
<th>Capacity</th>
<th>Calibration Charges</th>
<th>Verification Charges</th>
<th>Prepackage and Licensing Charges</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Analytical balances d/e ≥ 0.0001g</td>
<td>0-2kg</td>
<td>50,000</td>
<td>4,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.1-10kg</td>
<td>55,000</td>
<td>4,400</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>10.1-20.1kg</td>
<td>60,000</td>
<td>4,800</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Over 20kg</td>
<td>70,000</td>
<td>5,600</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Precision balances d/e≥0.001g</td>
<td>[0-5kg]</td>
<td>49,000</td>
<td>3,920</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[5-10kg]</td>
<td>55,000</td>
<td>4,400</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[10-20kg]</td>
<td>60,000</td>
<td>4,800</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Over 20kg</td>
<td>70,000</td>
<td>5,600</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ordinary scales d/e≥0.01g</td>
<td>[0-10kg]</td>
<td>40,000</td>
<td>3,200</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[10.1-20kg]</td>
<td>50,000</td>
<td>4,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[20.1-50kg]</td>
<td>55,000</td>
<td>4,400</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[50.1-100kg]</td>
<td>61,000</td>
<td>4,880</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[100.1-200kg]</td>
<td>66,000</td>
<td>5,280</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[200.1-300kg]</td>
<td>71,000</td>
<td>5,680</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[300.1-500kg]</td>
<td>75,000</td>
<td>6,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>[500.1-1000kg]</td>
<td>81,000</td>
<td>6,480</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4) SF = TC*H/9 Where SF is service fees and H is number of hours for the service.
### Ordinary scales d/e ≥ 0.1g

<table>
<thead>
<tr>
<th>Weight Range</th>
<th>Charge</th>
<th>VAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>[0-100kg]</td>
<td>40,000</td>
<td>3,200</td>
</tr>
<tr>
<td>[100.1-150kg]</td>
<td>50,000</td>
<td>4,000</td>
</tr>
<tr>
<td>[150.1-200kg]</td>
<td>55,000</td>
<td>4,400</td>
</tr>
<tr>
<td>[200.1-300kg]</td>
<td>61,000</td>
<td>4,880</td>
</tr>
<tr>
<td>[300.1-500kg]</td>
<td>66,000</td>
<td>5,280</td>
</tr>
<tr>
<td>[500.1-1000kg]</td>
<td>71,000</td>
<td>5,680</td>
</tr>
</tbody>
</table>

### Ordinary scales d/e = 1g

<table>
<thead>
<tr>
<th>Weight Range</th>
<th>Charge</th>
<th>VAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>[0-100kg]</td>
<td>39,000</td>
<td>3,120</td>
</tr>
<tr>
<td>[100.1-150kg]</td>
<td>44,000</td>
<td>3,520</td>
</tr>
<tr>
<td>[150.1-200kg]</td>
<td>49,000</td>
<td>3,920</td>
</tr>
<tr>
<td>[200.1-300kg]</td>
<td>54,000</td>
<td>4,320</td>
</tr>
<tr>
<td>[300.1-500kg]</td>
<td>59,000</td>
<td>4,720</td>
</tr>
<tr>
<td>[500.1-1000kg]</td>
<td>64,000</td>
<td>5,120</td>
</tr>
</tbody>
</table>

### Ordinary scales d/e > 1.1g

<table>
<thead>
<tr>
<th>Weight Range</th>
<th>Charge</th>
<th>VAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>[0-100kg]</td>
<td>39,000</td>
<td>3,120</td>
</tr>
<tr>
<td>[100.1-150kg]</td>
<td>44,000</td>
<td>3,520</td>
</tr>
<tr>
<td>[150.1-200kg]</td>
<td>49,000</td>
<td>3,920</td>
</tr>
<tr>
<td>[200.1-300kg]</td>
<td>54,000</td>
<td>4,320</td>
</tr>
<tr>
<td>[300.1-500kg]</td>
<td>59,000</td>
<td>4,720</td>
</tr>
<tr>
<td>[500.1-1000kg]</td>
<td>64,000</td>
<td>5,120</td>
</tr>
</tbody>
</table>

### High load weighers (e.g. chutes, cranes, weighbridges)/Tensil testers

<table>
<thead>
<tr>
<th>Weight Range</th>
<th>Charge</th>
<th>VAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1-2tons</td>
<td>80,000</td>
<td>6,400</td>
</tr>
<tr>
<td>2.1-3tons</td>
<td>85,000</td>
<td>6,800</td>
</tr>
<tr>
<td>3.1-5tons</td>
<td>90,000</td>
<td>7,200</td>
</tr>
<tr>
<td>5.1-10tons</td>
<td>95,000</td>
<td>7,600</td>
</tr>
<tr>
<td>10.1-20tons</td>
<td>120,000</td>
<td>9,600</td>
</tr>
<tr>
<td>Weight Range</td>
<td>Services Charges</td>
<td>Handling Charges</td>
</tr>
<tr>
<td>--------------</td>
<td>------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>20.1-30 tons</td>
<td>145,000</td>
<td>11,600</td>
</tr>
<tr>
<td>30.1-50 tons</td>
<td>215,000</td>
<td>17,200</td>
</tr>
<tr>
<td>50.1-100 tons</td>
<td>304,000</td>
<td>24,320</td>
</tr>
</tbody>
</table>

**Precision Weights**

<table>
<thead>
<tr>
<th>Precision</th>
<th>Services Charges</th>
<th>Handling Charges</th>
</tr>
</thead>
<tbody>
<tr>
<td>E2 (1mg-20kg)</td>
<td>90,000</td>
<td>7,200</td>
</tr>
<tr>
<td>F1 (1mg-20kg)</td>
<td>79,000</td>
<td>6,320</td>
</tr>
<tr>
<td>F2 (1mg-20kg)</td>
<td>64,000</td>
<td>5,120</td>
</tr>
</tbody>
</table>

**Dead weights**

<table>
<thead>
<tr>
<th>Dead</th>
<th>Services Charges</th>
<th>Handling Charges</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-100kg</td>
<td>30,000</td>
<td>2,400</td>
</tr>
<tr>
<td>100.1-200kg</td>
<td>32,000</td>
<td>2,560</td>
</tr>
<tr>
<td>200.1-500kg</td>
<td>35,000</td>
<td>2,800</td>
</tr>
<tr>
<td>500.1-1000kg</td>
<td>45,000</td>
<td>3,600</td>
</tr>
</tbody>
</table>

**Ordinary Weights**

<table>
<thead>
<tr>
<th>Ordinary</th>
<th>Services Charges</th>
<th>Handling Charges</th>
</tr>
</thead>
<tbody>
<tr>
<td>1mg-20kg</td>
<td>30,000</td>
<td>2,400</td>
</tr>
<tr>
<td>20.1kg-50kg</td>
<td>40,000</td>
<td>3,200</td>
</tr>
<tr>
<td>M1:2 KG</td>
<td>1,000</td>
<td>80</td>
</tr>
<tr>
<td>M1:5 KG</td>
<td>2,000</td>
<td>160</td>
</tr>
<tr>
<td>M1:10 KG</td>
<td>2,000</td>
<td>160</td>
</tr>
<tr>
<td>M1:20 KG</td>
<td>4,000</td>
<td>320</td>
</tr>
<tr>
<td>M1:50 KG</td>
<td>20,000</td>
<td>1,600</td>
</tr>
<tr>
<td>M1:100 KG</td>
<td>30,000</td>
<td>2,400</td>
</tr>
<tr>
<td>M1:200 KG</td>
<td>32,000</td>
<td>2,560</td>
</tr>
<tr>
<td>M1:500 KG</td>
<td>35,000</td>
<td>2,800</td>
</tr>
<tr>
<td>M1:1 T KG</td>
<td>45,000</td>
<td>3,600</td>
</tr>
<tr>
<td>M1:2 T KG</td>
<td>100,000</td>
<td>8,000</td>
</tr>
<tr>
<td>M1:5 T KG</td>
<td>200,000</td>
<td>16,000</td>
</tr>
<tr>
<td>M2:2 KG</td>
<td>1,000</td>
<td>80</td>
</tr>
<tr>
<td>M2:5 KG</td>
<td>2,000</td>
<td>160</td>
</tr>
<tr>
<td>M2:10 KG</td>
<td>2,000</td>
<td>160</td>
</tr>
<tr>
<td>M2:20 KG</td>
<td>4,000</td>
<td>320</td>
</tr>
<tr>
<td>M2:50 KG</td>
<td>20,000</td>
<td>1,600</td>
</tr>
<tr>
<td>M2:100 KG</td>
<td>30,000</td>
<td>2,400</td>
</tr>
</tbody>
</table>
## Products and Services Charges

<table>
<thead>
<tr>
<th>Description</th>
<th>Charge</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>M2:200 KG</td>
<td>32,000</td>
<td>2,560</td>
</tr>
<tr>
<td>M2:500 KG</td>
<td>35,000</td>
<td>2,800</td>
</tr>
<tr>
<td>M2:1 T KG</td>
<td>45,000</td>
<td>3,600</td>
</tr>
<tr>
<td>M2:2 T KG</td>
<td>100,000</td>
<td>8,000</td>
</tr>
<tr>
<td>M2:5 T KG</td>
<td>200,000</td>
<td>16,000</td>
</tr>
<tr>
<td>M3:2 KG</td>
<td>1,000</td>
<td>80</td>
</tr>
<tr>
<td>M3:5 KG</td>
<td>2,000</td>
<td>160</td>
</tr>
<tr>
<td>M3:10 KG</td>
<td>2,000</td>
<td>160</td>
</tr>
<tr>
<td>M3:20 KG</td>
<td>4,000</td>
<td>320</td>
</tr>
<tr>
<td>M3:50 KG</td>
<td>20,000</td>
<td>1,600</td>
</tr>
<tr>
<td>M3:100 KG</td>
<td>30,000</td>
<td>2,400</td>
</tr>
<tr>
<td>M3:200 KG</td>
<td>32,000</td>
<td>2,560</td>
</tr>
<tr>
<td>M3:500 KG</td>
<td>35,000</td>
<td>2,800</td>
</tr>
<tr>
<td>M3:1 T KG</td>
<td>45,000</td>
<td>3,600</td>
</tr>
<tr>
<td>M3:2 T KG</td>
<td>100,000</td>
<td>8,000</td>
</tr>
<tr>
<td>M3:5 T KG</td>
<td>200,000</td>
<td>16,000</td>
</tr>
</tbody>
</table>

### Electrical Measurements

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Charge</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotating reference watt-hour meter</td>
<td>25,000</td>
<td>5,000</td>
</tr>
<tr>
<td>Single phase watt-hour meter</td>
<td>23,000</td>
<td>4,600</td>
</tr>
<tr>
<td>Polyphone Analogue watt-hour meter</td>
<td>30,000</td>
<td>6,000</td>
</tr>
<tr>
<td>Single phase Electronic watt-hour Meter</td>
<td>23,000</td>
<td>4,600</td>
</tr>
<tr>
<td>Polyphase Electronic watt-hour Meter</td>
<td>30,000</td>
<td>6,000</td>
</tr>
<tr>
<td>Var/Reactive/Active-hour meter</td>
<td>30,000</td>
<td>6,000</td>
</tr>
<tr>
<td>Inductor/capacitance meter</td>
<td>25,000</td>
<td>5,000</td>
</tr>
<tr>
<td>Product Type</td>
<td>Price</td>
<td>Charge</td>
</tr>
<tr>
<td>------------------------------------------</td>
<td>-------</td>
<td>--------</td>
</tr>
<tr>
<td>pH meters</td>
<td>20,000</td>
<td>4,000</td>
</tr>
<tr>
<td>Voltmeters &amp; Ammeters</td>
<td>20,000</td>
<td>4,000</td>
</tr>
<tr>
<td>Resistance meters</td>
<td>24,000</td>
<td>4,800</td>
</tr>
<tr>
<td>Conductivity meters</td>
<td>16,000</td>
<td>3,200</td>
</tr>
<tr>
<td>Multimeters</td>
<td>24,000</td>
<td>4,800</td>
</tr>
<tr>
<td>Voltage working standards</td>
<td>50,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Current working standards</td>
<td>50,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Resistance working standards</td>
<td>50,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Inductor/capacitance working standards</td>
<td>50,000</td>
<td>10,000</td>
</tr>
<tr>
<td>AC/DC bridges</td>
<td>30,000</td>
<td>6,000</td>
</tr>
<tr>
<td>Standards cells enclosures</td>
<td>100,000</td>
<td>20,000</td>
</tr>
<tr>
<td>Power meters</td>
<td>45,000</td>
<td>9,000</td>
</tr>
<tr>
<td>Powers sources</td>
<td>45,000</td>
<td>9,000</td>
</tr>
<tr>
<td>Noise meters</td>
<td>45,000</td>
<td>9,000</td>
</tr>
<tr>
<td>Frequency meters</td>
<td>45,000</td>
<td>9,000</td>
</tr>
<tr>
<td>Time meters</td>
<td>25,000</td>
<td>5,000</td>
</tr>
<tr>
<td>Oscilloscopes</td>
<td>62,000</td>
<td>31,000</td>
</tr>
<tr>
<td>Current shunts</td>
<td>25,000</td>
<td>25,000</td>
</tr>
<tr>
<td>Timers</td>
<td>25,000</td>
<td>12,500</td>
</tr>
<tr>
<td>Signal Generators</td>
<td>45,000</td>
<td>45,000</td>
</tr>
<tr>
<td>Communication monitors</td>
<td>95,000</td>
<td>95,000</td>
</tr>
<tr>
<td>Current and Voltage transformer</td>
<td>40,000</td>
<td>40,000</td>
</tr>
<tr>
<td>3</td>
<td>Length Measurements</td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Measurement Amplifiers</td>
<td>All types and sizes</td>
<td>45,000</td>
</tr>
<tr>
<td>Block gauges (Grade AS1,AS2Grade)</td>
<td></td>
<td>31,000</td>
</tr>
<tr>
<td>Vernier calipers, Height gauges, Micrometer screw gauges, Depth gauges (0.001 mm &amp; 0.01mm)</td>
<td>0-30 cm</td>
<td>10,000</td>
</tr>
<tr>
<td></td>
<td>&gt;30 cm</td>
<td>20,000</td>
</tr>
<tr>
<td>Rulers and Meter bars</td>
<td>0-30 cm</td>
<td>5,000</td>
</tr>
<tr>
<td></td>
<td>30.1-50 cm</td>
<td>7,500</td>
</tr>
<tr>
<td></td>
<td>50.1-100 cm</td>
<td>10,000</td>
</tr>
<tr>
<td></td>
<td>&gt;100 cm</td>
<td>20,000</td>
</tr>
<tr>
<td>Penetrometers</td>
<td></td>
<td>18,000</td>
</tr>
<tr>
<td>Tape meters</td>
<td>0-5 m</td>
<td>5,000</td>
</tr>
<tr>
<td></td>
<td>5.1-20 m</td>
<td>10,000</td>
</tr>
<tr>
<td>Dip sticks</td>
<td></td>
<td>50,000</td>
</tr>
<tr>
<td>Snap gauges</td>
<td></td>
<td>20,000</td>
</tr>
<tr>
<td>Plug gauges</td>
<td></td>
<td>20,000</td>
</tr>
<tr>
<td>5</td>
<td>Pressure measurements</td>
<td></td>
</tr>
<tr>
<td>Pressure balance</td>
<td></td>
<td>200,000</td>
</tr>
<tr>
<td>Master pressure gauge</td>
<td></td>
<td>40,000</td>
</tr>
<tr>
<td>Industrial pressure gauge</td>
<td></td>
<td>15,000</td>
</tr>
<tr>
<td>Tyre pressure gauge</td>
<td></td>
<td>15,000</td>
</tr>
<tr>
<td>Temperature measurements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooler</td>
<td></td>
<td>45,000</td>
</tr>
<tr>
<td>Freezer</td>
<td></td>
<td>25,000</td>
</tr>
<tr>
<td>Autoclave</td>
<td></td>
<td>85,000</td>
</tr>
<tr>
<td>Liquid in Glass Thermometer</td>
<td></td>
<td>20,000</td>
</tr>
<tr>
<td>Item</td>
<td>Price 1</td>
<td>Price 2</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>Incubator</td>
<td>25,000</td>
<td>25,000</td>
</tr>
<tr>
<td>Oven</td>
<td>25,000</td>
<td>25,000</td>
</tr>
<tr>
<td>Refrigerator</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>Thermocouple</td>
<td>25,000</td>
<td>2,000</td>
</tr>
<tr>
<td>Water Bath</td>
<td>25,000</td>
<td>25,000</td>
</tr>
<tr>
<td>Trucker Cooler</td>
<td>60,000</td>
<td>60,000</td>
</tr>
<tr>
<td>Cold Room (1 Chamber)</td>
<td>80,000</td>
<td>80,000</td>
</tr>
<tr>
<td>Cold Room (2 Chambers)</td>
<td>120,000</td>
<td>120,000</td>
</tr>
<tr>
<td>Cold Room (more than 2 Chambers)</td>
<td>80000+N*50000</td>
<td>80000+N*50000</td>
</tr>
<tr>
<td>Dial Gauge/Digital Thermometer</td>
<td>20,000</td>
<td>1,600</td>
</tr>
<tr>
<td>Furnace</td>
<td>50,000</td>
<td>50,000</td>
</tr>
<tr>
<td>Platinum Resistance Thermometer</td>
<td>25,000</td>
<td>2,000</td>
</tr>
<tr>
<td>Moisture meters</td>
<td>45,000</td>
<td>3,600</td>
</tr>
<tr>
<td>Hygrometer</td>
<td>20,000</td>
<td>1,600</td>
</tr>
<tr>
<td>Hot plates</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>6 Volume &amp; flow measurements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Volumetric Test measures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 L</td>
<td>7,000</td>
<td>7,000</td>
</tr>
<tr>
<td>10 L</td>
<td>13,000</td>
<td>13,000</td>
</tr>
<tr>
<td>20 L</td>
<td>16,000</td>
<td>16,000</td>
</tr>
<tr>
<td>Prover Tanks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50 L</td>
<td>24,000</td>
<td>24,000</td>
</tr>
<tr>
<td>100 L</td>
<td>30,000</td>
<td>30,000</td>
</tr>
<tr>
<td>200 L</td>
<td>36,000</td>
<td>36,000</td>
</tr>
<tr>
<td>250 L</td>
<td>40,000</td>
<td>40,000</td>
</tr>
<tr>
<td>500 L</td>
<td>48,000</td>
<td>48,000</td>
</tr>
<tr>
<td>1000 L</td>
<td>55,000</td>
<td>55,000</td>
</tr>
<tr>
<td>2500 L</td>
<td>71,000</td>
<td>71,000</td>
</tr>
<tr>
<td>3000 L</td>
<td>88,000</td>
<td>88,000</td>
</tr>
<tr>
<td>Tanks</td>
<td>5000 L</td>
<td>&lt; 20 L</td>
</tr>
<tr>
<td>-------------</td>
<td>----------</td>
<td>----------</td>
</tr>
<tr>
<td></td>
<td>117,000</td>
<td>117,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt; 20 L</td>
<td>15,000</td>
<td>15,000</td>
</tr>
<tr>
<td>&gt; 20.1 L &lt; 200 L</td>
<td>29,000</td>
<td>29,000</td>
</tr>
<tr>
<td>&gt; 200.1 L &lt; 500 L</td>
<td>37,000</td>
<td>37,000</td>
</tr>
<tr>
<td>&gt; 500.1 L &lt; 1000 L</td>
<td>44,000</td>
<td>44,000</td>
</tr>
<tr>
<td>&gt; 1000.1 L &lt; 3000 L</td>
<td>70,000</td>
<td>70,000</td>
</tr>
<tr>
<td>&gt; 3000.1 L &lt; 5000 L</td>
<td>80,000</td>
<td>80,000</td>
</tr>
<tr>
<td>&gt; 5000.1 L &lt; 7000 L</td>
<td>92,000</td>
<td>92,000</td>
</tr>
<tr>
<td>&gt; 7000.1 L &lt; 9000 L</td>
<td>110,000</td>
<td>110,000</td>
</tr>
<tr>
<td>&gt; 9000.1 L &lt; 11000 L</td>
<td>130,000</td>
<td>130,000</td>
</tr>
<tr>
<td>&gt; 11000.1 L &lt; 13000 L</td>
<td>150,000</td>
<td>150,000</td>
</tr>
<tr>
<td>&gt; 13000.1 L &lt; 15000 L</td>
<td>171,000</td>
<td>171,000</td>
</tr>
<tr>
<td>&gt; 15000.1 L &lt; 17000 L</td>
<td>190,000</td>
<td>190,000</td>
</tr>
<tr>
<td>&gt; 17000.1 L &lt; 19000 L</td>
<td>214,000</td>
<td>214,000</td>
</tr>
<tr>
<td>&gt; 19000.1 L &lt; 21000 L</td>
<td>268,000</td>
<td>268,000</td>
</tr>
<tr>
<td>&gt; 21000.1 L &lt; 23000 L</td>
<td>322,000</td>
<td>322,000</td>
</tr>
<tr>
<td>&gt; 23000.1 L &lt; 25000 L</td>
<td>429,000</td>
<td>429,000</td>
</tr>
<tr>
<td>&gt; 25000.1 L &lt; 27000 L</td>
<td>645,000</td>
<td>645,000</td>
</tr>
<tr>
<td>&gt; 27000.1 L &lt; 29000 L</td>
<td>858,000</td>
<td>858,000</td>
</tr>
<tr>
<td>&gt; 29000.1 L &lt; 31000 L</td>
<td>1,070,000</td>
<td>1,070,000</td>
</tr>
<tr>
<td>&gt; 31000.1 L</td>
<td>1,290,000</td>
<td>1,290,000</td>
</tr>
<tr>
<td>RWANDA STANDARDS BOARD</td>
<td>Products and Services Charges</td>
<td>RSB/FIN/02</td>
</tr>
<tr>
<td>------------------------</td>
<td>------------------------------</td>
<td>------------</td>
</tr>
<tr>
<td><strong>Water meter</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt; 35000 L</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt; 35000.1 L &lt; 50000 L</td>
<td>1,610,000</td>
<td>1,610,000</td>
</tr>
<tr>
<td>&gt; 50000.1 L &lt; 60000 L</td>
<td>1,930,000</td>
<td>1,930,000</td>
</tr>
<tr>
<td>&gt; 60000.1 L &lt; 70000 L</td>
<td>2,145,000</td>
<td>2,145,000</td>
</tr>
<tr>
<td>&gt; 70000.1 L &lt; 80000 L</td>
<td>2,360,000</td>
<td>2,360,000</td>
</tr>
<tr>
<td>&gt; 80000.1 L &lt; 90000 L</td>
<td>2,680,000</td>
<td>2,680,000</td>
</tr>
<tr>
<td>&gt; 90000.1 L &lt; 100000 L</td>
<td>3,000,000</td>
<td>3,000,000</td>
</tr>
<tr>
<td>&gt; 100000.1 L &lt; 120000 L</td>
<td>3,218,000</td>
<td>3,218,000</td>
</tr>
<tr>
<td>up to 1 inch</td>
<td>10,000</td>
<td>800</td>
</tr>
<tr>
<td>&gt; 1 up to 2 inches</td>
<td>14,000</td>
<td>1,120</td>
</tr>
<tr>
<td>&gt; 2 up to 3 inches</td>
<td>21,000</td>
<td>1,680</td>
</tr>
<tr>
<td>&gt; 3 up to 4 inches</td>
<td>49,000</td>
<td>3,920</td>
</tr>
<tr>
<td>&gt; 4 up to 5 inches</td>
<td>56,000</td>
<td>4,480</td>
</tr>
<tr>
<td>&gt; 5 up to 6 inches</td>
<td>63,000</td>
<td>5,040</td>
</tr>
<tr>
<td>&gt; 6 up to 8 inches</td>
<td>84,000</td>
<td>6,720</td>
</tr>
<tr>
<td><strong>Flow/volumetric meters</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Small meters( (&lt;=) 100LMP or 6m³/hr)</td>
<td>70,000</td>
<td>5,600</td>
</tr>
<tr>
<td>Bulk meters( &gt; 100LMP or 6m³/hr)</td>
<td>100,000</td>
<td>8,000</td>
</tr>
<tr>
<td><strong>Verification of fuel dispensing pumps Per Nozzle</strong></td>
<td>10,000</td>
<td>10000</td>
</tr>
<tr>
<td>Products and Services Charges</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Piston pipettes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>single channel</td>
<td>15,000</td>
<td>1,200</td>
</tr>
<tr>
<td>Multi-channel</td>
<td>20,000</td>
<td>1,600</td>
</tr>
<tr>
<td>Glassware pipettes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ø5 ml</td>
<td>12,000</td>
<td>960</td>
</tr>
<tr>
<td>&gt; 5 ml</td>
<td>8,500</td>
<td>680</td>
</tr>
<tr>
<td>Laboratory graduated Cylinders</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(all types)</td>
<td>7,000</td>
<td>560</td>
</tr>
<tr>
<td>Laboratory volumetric Flasks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(all types)</td>
<td>7,000</td>
<td>560</td>
</tr>
<tr>
<td>Burettes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(all types)</td>
<td>7,000</td>
<td>560</td>
</tr>
<tr>
<td>Laboratory Dispensers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(all types)</td>
<td>7,000</td>
<td>560</td>
</tr>
<tr>
<td>Pycnometer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(all types)</td>
<td>7,000</td>
<td>560</td>
</tr>
<tr>
<td>Dilutors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(all types)</td>
<td>7,000</td>
<td>560</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Force Measurements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dynamometer</td>
</tr>
<tr>
<td>0-100 KN</td>
</tr>
<tr>
<td>101-1000 KN</td>
</tr>
<tr>
<td>1001-2000 KN</td>
</tr>
<tr>
<td>2001-3000 KN</td>
</tr>
<tr>
<td>Universal Testing Machine</td>
</tr>
<tr>
<td>0-100 KN</td>
</tr>
<tr>
<td>100.1-500KN</td>
</tr>
<tr>
<td>&gt;500KN</td>
</tr>
<tr>
<td>Compression Bearing Rings</td>
</tr>
<tr>
<td>0-100 KN</td>
</tr>
<tr>
<td>Proving Rings (Both compression and Tension)</td>
</tr>
<tr>
<td>0-100 KN</td>
</tr>
<tr>
<td>100.1-1000 KN</td>
</tr>
<tr>
<td>1000.1-2000 KN</td>
</tr>
<tr>
<td>2000.1-3000 KN</td>
</tr>
</tbody>
</table>
### Products and Services Charges

<table>
<thead>
<tr>
<th>Product Type</th>
<th>KN</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Compression Machine</strong></td>
<td></td>
</tr>
<tr>
<td>0-100KN</td>
<td>65,000</td>
</tr>
<tr>
<td>100.1-500 KN</td>
<td>85,000</td>
</tr>
<tr>
<td>&gt;500KN</td>
<td>125,000</td>
</tr>
<tr>
<td><strong>Torque Meter</strong></td>
<td></td>
</tr>
<tr>
<td>0-20 Nm</td>
<td>27,500</td>
</tr>
<tr>
<td>20.1-2000 Nm</td>
<td>37,500</td>
</tr>
<tr>
<td><strong>Rockwell Hardness Blocks, All Scales</strong></td>
<td>18,500</td>
</tr>
<tr>
<td><strong>Vickers Hardness Blocks</strong></td>
<td></td>
</tr>
<tr>
<td>Single Range</td>
<td>27,500</td>
</tr>
<tr>
<td><strong>Load Cell</strong></td>
<td></td>
</tr>
<tr>
<td>0-100 KN</td>
<td>30,000</td>
</tr>
<tr>
<td>100.1-1000 KN</td>
<td>65,000</td>
</tr>
<tr>
<td>1000.1-2000 KN</td>
<td>82,000</td>
</tr>
<tr>
<td>2000.1-3000 KN</td>
<td>105,000</td>
</tr>
<tr>
<td><strong>8</strong> pre-package control service</td>
<td></td>
</tr>
<tr>
<td>Lot size</td>
<td></td>
</tr>
<tr>
<td>up to 500 items</td>
<td>12,000</td>
</tr>
<tr>
<td>501-3200 Items</td>
<td>20,000</td>
</tr>
<tr>
<td>More than 3200 Items</td>
<td>25,000</td>
</tr>
<tr>
<td><strong>9</strong> Metrology Service License</td>
<td></td>
</tr>
<tr>
<td>Repair and Maintenance</td>
<td>100,000</td>
</tr>
<tr>
<td>Calibration</td>
<td></td>
</tr>
<tr>
<td>Verification</td>
<td></td>
</tr>
<tr>
<td>Import/manufacturing</td>
<td></td>
</tr>
<tr>
<td>Type approval</td>
<td></td>
</tr>
</tbody>
</table>

Revision 01  Page 37 of 42  Date: 28 November 2014