

LIST OF DESIGNATED LABORATORIES AND DESIGNATION SCOPE

S/N	NAMES OF THE LABORATORY	LOCATION	DESIGNATION SCOPE	AREA OF OPERATION
1	SAINT JOSEPH ENGINEERING COMPANY LTD (SJEC)	Kigali/Nyarugenge	<ul style="list-style-type: none"> • ASTM D 422 Particle size analysis • ASTM D 4318 Determination of liquid and plastic limit • ASTM D698-12 Compaction characteristics • ASTM D2216-10 Determination of moisture content • ASTM D BS 812-110 Aggregate impact value • ASTM D3080 Coefficient of Cohesion and Angle of Internal Friction • ASTM D 7263 Bulk Density (Unity Weight) 	Material testing
2	ALEX STEWARD INTERNATIONAL RWANDA LTD	KIGALI/Kicukiro	<ul style="list-style-type: none"> • ASIL Protocol LS/XRFSOP/001 Determination of Tantalum (Ta) & Niobium (Nb) • ASIL Protocol LS/XRF SOP/002 Determination of Tin (Sn) • ASIL Protocol LS/WETCHEMSOP/002 Determination of Tin (Sn) • ASIL Protocol LS/AASSOP/004 Determination of Beryllium (Be) • ASIL Protocol LS/AASSOP/007 Determination of Lithium (Li) • ASIL Protocol LS/UV SOP/003 Determination of Manganese (Mn) • ASIL Protocol LS/UV SOP/002 Determination of Iron (Fe) • ASIL Protocol LS/UV SOP/003 Determination of Manganese (Mn) 	Minerals testing
3	INES-RUHENGELI INSTITUTE OF APPLIED SCIENCES	North /Musanze	<ul style="list-style-type: none"> • ISO 8968 Determination of Nitrogen content in milk and milk products • ISO 8288 Determination of heavy metals in water (Cobalt, Nickel, Zinc, Copper, Lead and cadmium) • ISO 1666 Determination of Moisture content • ISO 4832 Enumeration of total coliforms 	Food testing

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4	MUHABURA INTEGRATED POLYTECHNIC COLLEGE (M.I.P.C)	North/Musanze	<ul style="list-style-type: none"> • BS1377 part 4 Standard and modified proctor test • BS1377 part 7 Shear test • BS1377 part 2 particle size • Mod.16-T0012/A (From manufacturer) 	Material testing
5	NATIONAL AGRICULTURE EXPORT DEVELOPMENT BOARD (NAEB)	Kigali/Kicukiro	<ul style="list-style-type: none"> • AOAC: Determination of moisture content • AOAC 2003/2003: 2:2:3 Determination of Nitrogen content • IS 2720-26 Determination pH • IS 2720-24 Cations exchange Capacity • EC2003/2003, 8.2 & 8.9 Cations exchange Capacity • APHA/AWAWA/WEF 4500.Cl • ISO 4072:1982, RS 33:2014, NR ISO 8455:2005, ISO 6669: 1995(E), ISO 11817:1994(E) Green and Roasted coffee quality specifications • RS 31:2014 • RS 118:2011 Green and black coffee quality specification 	Soil, plant, fertilizer, Water, Coffee and Tea testing
6	HORIZON SOPYRWA LTD	North/Musanze	<ul style="list-style-type: none"> • RS 191:2013, Annex A Determination of pyrethrins content in Pyrethrum 	Essential oils
7	CIMERWA LTD FACTORY	West/Rusizi	<ul style="list-style-type: none"> • EAS 148-1 Determination of strength in cement • EAS 148-2 Chemical analysis : loss on ignition in cement • EAS 148-2 Chemical analysis : chloride content in cement • EAS 148-2 Chemical analysis : insoluble residue in cement • EAS 148-2 Chemical analysis : residues in cement • EAS 148-3 Determination of setting time in cement • EAS 148-3 Determination of soundness in cement • EAS 148-3 Determination of consistency in cement • EAS 148-6 Determination of fineness in cement • Determination of Chemical composition by X-Rays spectroscopy in cement other materials 	Cement and Fuel testing

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			<ul style="list-style-type: none"> • Determination of calorific value by Bomb calorimeter in solid and liquid fuels 	
8	INTEGRATED POLYTECHNIC REGIONAL CENTER- KIGALI	Kigali	<ul style="list-style-type: none"> • EN 12390-3 : Determination of Compressive strength in concrete • BS EN 12390-6 Determination of Tensile splitting strength in concrete • BS 812-2 Determination of density (specific gravity) in aggregates • BS 812-2 : 1995 Determination of water absorption in aggregates • BS 812-103.1 Determination of particle size (sieve analysis) in aggregates • BS 812-105.1 Flakiness index in aggregates • BS 812-105.2 Determination of Elongation index in aggregates • BS 812-110 Determination of Aggregates crushing value in aggregates • BS 812-111 Determination of Ten percent fines value in concrete • ASTM D7428-2015 Determination fine aggregate for resistance to abrasion in aggregates • BS EN 1097-2 Determination of resistance to fragmentation (abrasion test) in aggregates • BS 1377-4 Determination of Compaction-related tests • BS 1377-4 Determination of Compaction-related tests(CBR) • BS 1377-2 Classification tests (particle size) • BS 1377-2 Classification tests (Atterberg Limits) • BS 1377-9: 1990 In-situ tests (density) • BS EN 12697-1 Determination of soluble binder content • BS EN 12697-34 Marshall test 	Material Testing

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9	UNIVERSIT LIBRE DE KIGALI	Kigali/Gasabo	<ul style="list-style-type: none"> • ASTM D2419 Sand equivalent value of fine aggregate: sand • EN12930-3 , EN12930-4, BS 1881, ASTM C 39 Compressive strength of concrete • ASTM C 131, ASTM C 535, EN 1097-2 NF Los Angeles abrasion value of Coarse aggregate • ASTM D 2216 Determination of water/ moisture content of soil aggregates • BS 1881, ASTM C 143 Slump height of fresh concrete 	Material Testing
10	UNIVERSITY OF RWANDA (UR-LADAMET)	South/Huye	<ul style="list-style-type: none"> • ISO 7888 Testing of Conductivity • ISO 7888 Testing of total dissolved solids • ISO 7027: Testing of turbidity • ISO 7027: Determination of evaporation residual • ISO 7027: Determination of total ash • ISO 9963-1 Determination of Alkaline • ISO 9308-1 Determination of E.coli • ISO 6222 Determination of Total Viable Count 	Water Testing
11	AFRICA IMPROVED FOODS (RWANDA) LTD	Kigali/Gasabo	<ul style="list-style-type: none"> • AIF/QCM/CHE008-1(AOAC) Determination of Vitamin A • AIF/QCM/CHE002-1(GIPSA) Determination of Aflatoxins • AIF/QCM/CHE012-1(ISO 7302) Determination Fat content • AIF/QCM/CHE013-1(ISO 2171) Determination of total ash • AIF/QCM/CHE013-1(ISO 5498) Determination of Crude fiber • AIF/QCM/CHE016-(AOAC) Determination of peroxide value • AIF/QCM/CHE021-(ISO 712) Determination of Moisture content 	Food Testing