



**Kigali- Rwanda**

**Email :** [info@rtb.gov.rw](mailto:info@rtb.gov.rw)

**Web site :** [www.rtb.gov.rw](http://www.rtb.gov.rw)

**P.O Box 4940 Kigali**

---

**Training Organisation Guide (ToG)**

**for**

**TVET CERTIFICATE III in Forestry**

Year 2022

## Table of contents

Part 1: Pedagogical organisation .....	3
1. Presentation of the training programme.....	3
1.1. The qualification .....	3
1.2. Minimum Entry requirements .....	3
3. The training programme.....	3
2.1 Information about competencies .....	3
4. Human resources.....	5
4.1. Trainers' qualifications and competences (Trainers' profile).....	5
Part 2: Material organisation.....	9
1. Material Resources .....	9
Part 2: Material organisation.....	9
1. Material Resources .....	9
1.1. Category 1: Machines, equipment, and accessories .....	9
1.2. Category 2: Tools and instruments .....	16
1.3. Category 3: Security materials (safety materials).....	34
1.4. Category 4: Consumables and raw materials .....	40
2. Training facilities .....	52
2.1. Furniture and office materials .....	52
2.2. Audio-visual materials .....	72

2.3.	Didactic materials .....	74
2.4.	Infrastructures .....	74

## **Part 1: Pedagogical organisation**

### **1. Presentation of the training programme**

#### **1.1. The qualification**

This qualification prepares individuals to intergrate forestry as forestry operator performing a range of tasks in forest, and nurseries. The individuals with this qualification can enter the TVET Certificate IV in forestry in order to be equipped with the necessary competences.

#### **1.2. Minimum Entry requirements**

- The minimum entry requirement to this qualification is to have successfully completed ordinary level, and level II in forestry or its equivalent.

### **3. The training programme**

#### **2.1 Information about competencies**

No	Code	Complementary competencies	Credit
1	CCMOL302	Describe the occupation and learning process	3
2	CCMHE302	Maintain SHE at workplace	3
3	CCMCL302	Appply computer literacy	3
4	CCMCZ301	Citizenship	3
5	CCMEN302	Apply proficient Technical English	3
6	CCMFT302	Pratiquer l'activité de communication en français dans le métier	3
7	CCMKN302	Gukoresha ikinyarwanda kiboneye	3
8	CCMBC302	Create a Business	3

---

**TOTAL**

---

**24**

---

No	Co-Curricular activities	Credit
1	<b>Sports/Clubs</b>	1
2	<b>Self-study/Library Reasearch</b>	1
<b>Total</b>		<b>2</b>

No	Code	Core competencies	Credit	
<b>GENERA</b>	1 <b>GENAT302</b>	Apply algebra and Trigonometry	6	
	2 <b>GENAC302</b>	Applied Chemistry	3	
	3 <b>GENAB302</b>	Applied biology	3	
<b>SPECIFIC</b>	5 <b>FORFT302</b>	Operate forest tools and equipment	3	
	6 <b>FORPB302</b>	Demonstrate basic knowledge on plant biology	6	
	7 <b>FORNE302</b>	Establish nursery	8	
	8 <b>FORFA302</b>	Apply fertilizer	5	
	9 <b>FORPC302</b>	Collect planting material	8	
	10 <b>FORPT302</b>	Plant trees	7	
	11 <b>FORTM302</b>	Maintain trees	10	
	13 <b>FORSE302</b>	Control soil erosion	7	
	14 <b>FORTD302</b>	Collect topographic data	8	
	15 <b>CCMIA302</b>	Integrate the work place	20	
	<b>Total</b>			<b>94</b>

#### 4. Human resources

##### 4.1. Trainers' qualifications and competences (Trainers' profile)

No.	Modules	Qualification	Field or training (conferences, workshops, seminars) experience	Technical teaching experience	Languages skill	ICT skills.
1.	Planting material collection	To be a holder of bachelor's degree in forestry, Agriculture, Crop production, Agro-forestry	1 year working experience in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration
		To be a holder of Advanced diploma in forestry, Agriculture, crop production, Agro-forestry	3 years working experiences in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration
		To be a holder of Advanced diploma/or bachelor's degree in forestry, Agriculture, crop production with background of TVET related subsector (Level 5), Agro-forestry	No experiences in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration
2.	Tree planting	To be a holder of bachelor's degree in forestry, Crop sciences or Crop production, Agro-forestry	1 year working experience in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration
		To be a holder of Advanced	3 years working	Training on	Fluent in English;	Microsoft word

		diploma in forestry, crop production, Agro-forestry	experiences in industry	pedagogy (CBT&CBA) or training in field	French is an added advantage	Microsoft excel Microsoft power point Internet exploration
		To be a holder of Advanced diploma/or bachelor's degree in forestry, crop production with background of TVET related subsector (Level 5), Agro-forestry	No experiences in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration
3.	Tree maintenance	To be a holder of bachelor's degree in forestry, Agriculture, Agro-forestry, Crop sciences or Crop production.	1 year working experience in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration
		To be a holder of Advanced diploma in forestry with background of TVET related subsector (Level 5), Agro-forestry	3 years working experiences in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration
		To be a holder of Advanced diploma/or bachelor's degree in forestry, Agriculture, crop production with background of TVET related subsector (Level 5), Agro-forestry	No experiences in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration
4.	Soil erosion control	To be a holder of bachelor's degree in Soil sciences, natural resources management, forestry, Agriculture, Agro-	1 year working experience in industry	Training on pedagogy (CBT&CBA) or training in	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration

		forestry, Crop sciences or Crop production.		field		
		To be a holder of Advanced diploma in soil sciences, natural resources management, forestry, Agriculture sciences	3 years working experiences in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration
		To be a holder of Advanced diploma/or bachelor's degree in soil sciences, natural resources management with background of TVET related subsector (Level 5), forestry, Agro-forestry, Agriculture sciences	No experiences in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration
5.	Forest tools and equipment	To be a holder of bachelor's degree in forestry , Agro-forestry	1 year working experience in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration
		To be a holder of Advanced diploma in forestry, Agro-forestry with background of TVET related subsector (Level 5)	3 years working experiences in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration
			No experiences in industry	Training on pedagogy (CBT&CBA)	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point

				or training in field		Internet exploration
6.	Nursery establishment	To be a holder of bachelor's degree in forestry, Agriculture, Agricultural sciences Crop sciences or Crop production	1 year working experience in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration
		To be a holder of Advanced diploma in Forestry , , Agriculture, crop production	3 years working experiences in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration
		To be a holder of Advanced diploma/or bachelor's degree in forestry ,Agriculture, crop production with background of TVET related subsector (Level 5)	No experiences in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration
7.	Topographical data collection	To be a holder of bachelor's degree in forestry, Agro-forestry, agriculture sciences.	3 years working experiences in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration
		To be a holder of Advanced diploma in forestry, agriculture with background of TVET related subsector (Level 5), Agro-forestry, agriculture sciences.	No experiences in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration
8.	Fertilizer	To be a holder of bachelor's	3 years working	Training on	Fluent in English;	Microsoft word

	application	degree in agriculture ,forestry, ,crop sciences ,soil sciences	experiences in industry	pedagogy (CBT&CBA) or training in field	French is an added advantage	Microsoft excel Microsoft power point Internet exploration
		To be a holder of Advanced diploma in forestry, agriculture. crop sciences, soil sciences with background of TVET related subsector (Level 5), Soil sciences, crop sciences	No experiences in industry	Training on pedagogy (CBT&CBA) or training in field	Fluent in English; French is an added advantage	Microsoft word Microsoft excel Microsoft power point Internet exploration

**Part 2: Material organisation**

**1. Material Resources**

**Part 2: Material organisation**

**1. Material Resources**

**1.1. Category 1: Machines, equipment, and accessories**

Name and description	Specifications	Quantity	Type of room	Module code
Dumpy level / Sitepro 32-Power Professional Automatic Level	<ul style="list-style-type: none"> <li>• Magnification: 32X</li> <li>• Leveling Accuracy: <math>\pm 1/16</math>-in at 250-ft (<math>\pm 1.5</math>mm @ 76m)</li> <li>• Working Range: 400-ft (120m)</li> <li>• Angular Accuracy: 1°</li> <li>• Field of View: 1° 20'</li> <li>• Min. Focus Distance: &lt; 1-ft</li> <li>• Compensator range: +/-15'</li> <li>• Comp Setting: <math>\pm 0.3</math>"</li> </ul>	10	Field Workshop	FORFT302 FORNE302 FORSE302 FORTD302

	<ul style="list-style-type: none"> <li>• Package Contents: Level, Lens Cover, Plumb Bob, Adjustment Tools, Carrying Case, User Manual</li> </ul>			
<b>Wheelbarrow</b>	<ul style="list-style-type: none"> <li>• Wheels: 3.5 x 8 Pneumatic Wheels (Scooter Tyre)</li> <li>• Wheel Barrow : Single Tyre</li> <li>• Dimension : L 760 X W 450 X D 300 mm</li> <li>• Model : WB 2501</li> <li>• Load :120-200 kg</li> <li>• Water capacity :58l</li> <li>• Sand capacity d CF</li> <li>• Wheel : air wheel/solid wheel</li> <li>• Thickness 0.6-1.2 mm</li> <li>• Packing in bulk</li> <li>• Tray size 770*495*260 mm</li> <li>• Quantity :1800 PCS/20FT</li> <li>• Weight : 4kg</li> <li>• Pan Gauge</li> </ul>	10	Field Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Sprayer</b>	<p>Hand operated continuous Knap-Sack Sprayer Piston type single barrel suitable for right hand operation, duly ISI marked as per IS 3906-1995 (fourth revision) with latest amendments  Average working pressure: 300KPA</p> <ul style="list-style-type: none"> <li>• Material: Sprayer tank made of virgin high density polyethylene plastic (HDPE), white colour weighing 1150 grams</li> <li>• Pressure Chamber: - Made of Brass 200gms (seamless brass shell)</li> <li>• Pipe, brass sleeve pipe (forged) head, brass piston nut, stainless teel ball, total weight not less than 390-400 grammes should be</li> </ul>	10	Field Workshop	FORFT302 FORPT302 FORTM302

	<p>fitted inside the tank.</p> <ul style="list-style-type: none"> <li>• Tank: 16 litres Capacity</li> <li>• Weight: - 4.5 - 5.0 kg (excluding packing if any)</li> <li>• Delivery Hose: - the sprayer must be supplied with 120 cms long virgin PVC hose crimped from both ends with wing nut and hose shank, 2 feet long brass spray lance weighing 120 grams, with brass trigger type cut off device</li> <li>• Extension Rod: - 60 cm long one and bent as goose neck</li> <li>• Nozzle: - brass triple action adjustable nozzle weighing 72-75 grams and a brass flat fan nozzle.</li> <li>• The M.S skirting of the sprayer should not weight more than 800 grams</li> <li>• Length, height, width, shape and filling hole diameter- according to ISI Specifications</li> <li>• All parts coming in contact with pesticides are made of special non- corrosive/ incorrodable metals. All hardware used on the sprayer must have rust proof electroplating zinc or power coating.</li> <li>• All other provisions on the sprayer must be according to as per IS 3906-1995 (fourth revision) with latest amendments T</li> </ul>			
<p><b>Tree Shaker/Harvester machines</b></p>	<ul style="list-style-type: none"> <li>• Length (m) : 8.4</li> <li>• Width m) : 1.85</li> <li>• Height (m) : 2.15</li> <li>• Length of rope (m): 8-12 (optional)</li> <li>• Free height stem (m) : 0.35</li> <li>• Power required (hp/kW) :&gt;40</li> <li>• Electric circuit 24V</li> <li>• Steering 4-Wheel, hydraulic</li> </ul>	<p>5</p>	<p>Field Workshop</p>	<p>FORFT302 FORPC302 FORPT302 FORTM302</p>

	<ul style="list-style-type: none"> <li>• Driving speed Stepless 5-15km/hour</li> <li>• Shake Capacity per hour: 8-20 trees (depend on size of of the trees)</li> </ul>			
<b>Hand pruner</b>	<ul style="list-style-type: none"> <li>• Corona BP310D Forged classic</li> <li>• Bypass pruner</li> <li>• Item dimension L*W*H 1 x 1 x 8.5 inches</li> <li>• Red Color</li> </ul>	25	Field Workshop	FORFT302 FORPT302 FORTM302
<b>Handheld GPS</b>	<ul style="list-style-type: none"> <li>• <b>Best Handheld GPS With a Touchscreen</b></li> <li>• Garmin Montana 700</li> <li>• Weight: 14.5 oz.</li> <li>• Screen: 5 in.</li> <li>• Battery life: 18 hours (330 in expedition mode)</li> <li>• Memory: 16 GB (accepts microSD)</li> <li>• What we like: Massive, high-resolution display and tank-like durability</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORSE302 FORTD302
<b>Binoculars</b>	<ul style="list-style-type: none"> <li>• Magnification : 10x</li> <li>• Objective diameter : 42mm</li> <li>• Lenses Type : Bak4</li> <li>• Field of view at 1000m: 119m</li> <li>• Minimum focus distance : 2m</li> <li>• Twilight Factor : 20.5</li> <li>• Dimensions : 147 x 127 x 56 mm</li> <li>• Weight: 450-730 g</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORSE302 FORTD302
<b>Pentaprism Caliper</b>	<ul style="list-style-type: none"> <li>• Pentaprism Caliper is used as a precision opticalprism device to accurately measure tree diameters at DBH, or any height point from any clear, convenient sight position.</li> <li>• The caliper contains two pentaprisms, one fixed and one</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORSE302 FORTD302

	<p>movable, which are mounted in a tubular metal frame permitting simultaneous viewing along parallel lines of sight to the tree being measured.</p> <p>The caliper is constructed to measure stems to a minimum of 3 inches, a maximum of 24 Field, and is accurate to 1/10 inch or ±2 mm.</p>			
<p><b>Electronic caliper</b></p>	<ul style="list-style-type: none"> <li>• Measuring range: 450-2000mm</li> <li>• Resolution: 0.01 mm or 0.0005 in</li> <li>• Material of Jaws: Stainless Steel Hardened</li> <li>• Display: LCD</li> <li>• Scale Type: ABSOLUTE electromagnetic induction linear encoder</li> <li>• Max. response: unlimited</li> <li>• Battery: SR44 (1pc.), 938882 for initial operation checks (standard accessory)</li> <li>• Battery life: Approx. 5,000 hours in continuous use</li> <li>• Dust/Water protection level: IPP66 (IEC60529) *</li> <li>• Standard accessory: Jaw clamps (2pcs.), 05GZA033</li> <li>• Rustproofing shall be applied after use if caliper was in contact with coolant.</li> <li>• Connecting cables for IT/DP/MUX <ul style="list-style-type: none"> <li>✓ 05CZA624: SPC cables with button (1 m)</li> <li>✓ 05CZA625: SPC cables with button (2 m)</li> </ul> </li> <li>• USB Input Tool Direct</li> <li>• 06AFM380A: SPC cable for USB-ITN-A (2 m)</li> <li>• Connecting cables for U-WAVE-T</li> </ul>			

	<ul style="list-style-type: none"> <li>✓ 02AZD790A: SPC cable with data button (160 mm)</li> <li>✓ 02AZE140A: SPC cable for foot switch</li> </ul>			
<b>Electronic Caliper (Masser)</b>	<ul style="list-style-type: none"> <li>• Measuring Range: 0–500 MM, 0–650 MM OR 0–800 MM</li> <li>• Measuring Principle: Magnetic</li> <li>• Accuracy: +/-1 MM</li> <li>• Operating Temperature: -20°C TO +40°C</li> <li>• Sealing: IP67 Waterproof</li> <li>• Communications: Bluetooth Class 2 (10M), SPP</li> <li>• Weight: 1,2 KG Batteries Included</li> <li>• Storage Temperature: -30°C TO +60°C</li> <li>• Display: 128 X 64 Pixel Graphic Lcd, Backlight</li> <li>• Power: 2 X AA 1.5 V Batteries</li> <li>• Internal Memory: 8 MB* (Optional)</li> </ul>			
<b>Total Station</b>	<ul style="list-style-type: none"> <li>• Telescope magnification): At least 30x at 10 meters</li> <li>• Leveling (2-axis compensator Setting accuracy: Included <math>\leq 0.3''</math>)</li> <li>• Measurement (Mode reflectors): standard nd automatic target recognition prims, corner cube reflector, reflective tape</li> <li>• Angle measurement (Accuracy (ISO17123-3) Standard Deviation, <math>1\sigma</math> Display): <math>0.5''</math> (0.15mgon) 0.01 mgon</li> <li>• Distance measurement, standard deviation (absolute-ISO17123-4) <math>1\sigma</math> (1mm+2ppm) over the entire measurement range</li> <li>• Distance accuracy at 120 mmeasuring volume using: Reflective tape <math>\pm 0.5\text{mm}</math>, Corner Cube reflector<math>\pm 0.2\text{mm}</math></li> <li>• Point accuracy at 20m, measuring volume, <math>1\sigma \leq 0.3\text{mm}</math></li> <li>• Data storag (Internal External): PCMCIA memory card RS232</li> </ul>	5	Field Workshop	FORFT302 FORNE302 FORSE302 FORTD302

	<p>interface</p> <ul style="list-style-type: none"> <li>Power Supply: plug-in battery pack and external power source</li> </ul> <p><b>Functional Equipment</b></p> <ul style="list-style-type: none"> <li>One tripod.</li> <li>One star-shaped tripod support.</li> <li>One leveling base with optical plummet.</li> <li>External and internal batteries with charger and power cables.</li> <li>Cable instrument/computer (RS232).</li> </ul>			
<b>Theodolite</b>	<ul style="list-style-type: none"> <li>Telescope magnification): At least 30x at 10 meters</li> <li>Leveling (2-axis compensator Setting accuracy: Included <math>\leq 0.3''</math></li> <li>Angle measurement (Accuracy (ISO17123-3) Standard Deviation, <math>1\sigma</math> Display): <math>0.5''</math> (0.15mgon) 0.01 mgon</li> <li>Autocollimation device : built in</li> <li>Shortest target range : 0.6m</li> <li>Data storag (Internal External): PCMCIA memory card RS232 interface</li> <li>Power Supply: plug-in battery pack and external power source</li> </ul> <p><b>Functional Equipment</b></p> <ul style="list-style-type: none"> <li>One tripod.</li> <li>One star-shaped tripod support.</li> </ul>	5	Field Workshop	FORFT302 FORNE302 FORSE302 FORTD302

	<ul style="list-style-type: none"> <li>○ One leveling base with optical plummet.</li> <li>○ External and internal batteries with charger and power cables.</li> <li>○ Cable instrument/computer (RS232).</li> </ul>			
--	---	--	--	--

### 1.2. Category 2: Tools and instruments

Name and description	Specifications	Quantity	Type of room	Module code
<b>pH meters</b>	<ul style="list-style-type: none"> <li>● Measuring Range: 0 to 14 pH (Min.)</li> <li>● Resolution : 0.001 pH</li> <li>● Accuracy: ± 0.002 pH</li> <li>● Temperature Compensation: It should have both Automatic and Manual temperature compensation</li> <li>● Display: It should have Thin Film Transistor (TFT) display of more than 4-inch color (Blue/Red/Green/Yellow) display for better vision of readings with clear and well arranged icons of parameters like pH, Temperature, mV, date &amp; Time etc.</li> <li>● Ingress protection level: It should be IP54 complied protection level.</li> <li>● Power requirements: It should be operable with 9 - 12V/10W DC adapter.</li> <li>● Storage of instrument: It should be able to stored in temperature of 5 to 40 °C and Relative humidity of 5 to 80% (non-condensing)</li> <li>● Power requirements: It should be operable with 9 -</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORFA302 FORPT302

	<p>12V/10W DC adapter</p> <ul style="list-style-type: none"> <li>• Storage of instrument: It should be able to stored in temperature of 5 to 40 °C and Relative humidity of 5 to 80% (non-condensing)</li> <li>• GLP compliance: It should be GLP complied.</li> <li>• It should have Membrane keypad, preferably Polyethylene terephthalate (PET))</li> <li>• To improve the reproducibility, it should allow to choose from at least three endpoint criteria according to our requirements.</li> <li>• The Electrode holder should move in a perfectly vertical way, making it easy to place the sensor in the perfect position i.e. vertically in the measurement beaker.</li> <li>• It should be able to connect peripherals via USB and RS232, increasing its possibilities significantly. Export of measurement data and calibration data should be possible to USB stick or to direct PC software whenever required by us.</li> <li>• It should be able to connect peripherals via USB and RS232, increasing its possibilities significantly. Export of measurement data and calibration data should be possible to USB stick or to direct PC software whenever required by us.</li> <li>• It should have facility not to delete of data and changing of settings in routine mode. Hence it required to be PIN protected for Login, deletion of data, system settings etc.</li> <li>• It should have choice of endpoint formats like Automatic, manual and timed.</li> <li>• It should have choice of pH decimal places like X. Y, X. YY &amp; X.YYY (Up to one, Two and Three decimal places.)</li> </ul>			
--	---	--	--	--

	<ul style="list-style-type: none"> <li>• It should have Data storage up to 500 measurements (Min.)</li> <li>• It should have pH Sensor input through BNC connector with impedance of more than <math>3 \times 10^{12} \Omega</math>.</li> <li>• It should have Temperature sensor input.</li> <li>• It should be able to show the quality of last calibration on its screen</li> </ul>			
<b>Hand hoe</b>	<ul style="list-style-type: none"> <li>• Carbon content : 0.4% to 0.5%</li> <li>• Manganese content : 0.5% to 0.8%</li> <li>• Silicone content : 0.25% maximum</li> <li>• Phosphorus and Sulphur:: 0.06% maximum</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Shear</b>	<ul style="list-style-type: none"> <li>• Classic oak handles,</li> <li>• Corrosion: cold forged steel blade and premium edges</li> <li>• Resistance: Provide durability and strength for all types of trimming and sculpting</li> <li>• Weight : 1.8</li> <li>• Blade Style : Sculpting/Trimming</li> <li>• Blade Finish : Mirror polished</li> <li>• Blade Length: 8.5</li> </ul>	25	Field Workshop	FORFT302 FORTM302
<b>Sieves</b>	<p><b>Type :</b> wire</p> <p><b>Sieve name :</b></p> <ul style="list-style-type: none"> <li>✓ Number 3*16</li> <li>✓ Number 4*14</li> <li>✓ Number 10*10</li> <li>✓ Number 9*9</li> </ul> <p><b>Perforation size (mm)</b></p>	25	Field Workshop	FORFT302 FORTM302 FORPC302 FORPT302

	<ul style="list-style-type: none"> <li>✓ 3*16 mesh per 25.4 mm</li> <li>✓ 4*14mesh per 25.4 mm</li> <li>✓ 10*10 mesh per 25.4mm</li> <li>✓ 9*9 mesh per 25.4 mm</li> </ul>			
<b>Electronic balance</b>				
<b>Compass</b>	<ul style="list-style-type: none"> <li>✓ Height : 45"</li> <li>✓ Diameter : 8"</li> <li>✓ Weight : 20.5 Grams</li> <li>✓ C360 Free Machining Brass (Buttery Smooth)</li> <li>✓ Titanium: Limited</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORSE302 FORTD302
<b>Rake maker</b>	<ul style="list-style-type: none"> <li>✓ Made with metal tines and handles</li> <li>✓ Adjustable</li> <li>✓ Heavy</li> <li>✓ Best Hardwood handle (in case preferred)</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORFA302 FORPT302 FORTM302 FORSE302
<b>Needle nose pruner</b>	<ul style="list-style-type: none"> <li>• Stain less steel</li> <li>• Brand; TABOR TOOLS</li> <li>• Color: Red</li> <li>• Item weight :110 Grams</li> <li>• Style: Straight, carbon Steel Blades</li> <li>• ItemDimensions:7.87*2.76*0.59 inches L*W*H</li> </ul>	25	Field Workshop	FORFT302 FORPT302 FORTM302
<b>Lopper</b>	<ul style="list-style-type: none"> <li>• Corona SL 3364</li> <li>• ComfortGEL Extendable</li> <li>• Bypass Lopper, 1-1/2 Inch Cut</li> </ul>	25	Field Workshop	FORFT302 FORPC302 FORPT302 FORTM302
<b>Pole pruners</b>	<ul style="list-style-type: none"> <li>• Brand : corona</li> </ul>	25	Field	FORFT302

	<ul style="list-style-type: none"> <li>• Blade length :13 inches</li> <li>• item dimension L*W*H168*1.25*13 inches</li> <li>• Color; Steel</li> <li>• Item Weight:6.5 Pound</li> </ul>		Workshop	FORPT302 FORTM302
<b>Pole saw</b>	<ul style="list-style-type: none"> <li>• Brand : BLACK +DECKER</li> <li>• Blade length : 8 inches</li> <li>• Item dimensions : L*W*H19.85*4.6*1 inches</li> <li>• Color : Black</li> <li>• Power Source : Battery powered</li> </ul>	25		FORFT302 FORPT302 FORTM302
<b>Pruning saw</b>	<ul style="list-style-type: none"> <li>• Brand: Corona</li> <li>• Blade length:13 inches</li> <li>• Item dimensions L*W*H 19.85*4.6*1 inches</li> <li>• Color: Red</li> <li>• Power source: Ac/dc</li> </ul>	25	Field Workshop	FORFT302 FORPT302 FORTM302
<b>Post Hole Digger</b>	<ul style="list-style-type: none"> <li>• Length (mm) : 2000-2900</li> <li>• Width (mm) : 580-800</li> <li>• Height (mm) : 1820</li> <li>• Max.depth of Hole (mm): 750-880</li> <li>• Drill Diameter (mm) : 300-600</li> <li>• Weight (kg) : 150-250</li> <li>• Power : 30-80 HP</li> <li>• PTO : 500-600 rpm</li> <li>• Boiring cap. (cm) 100-180</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORFA302 FORPT302
<b>Ranging pole</b>	<ul style="list-style-type: none"> <li>• A straight pole or rod sometimes jointed,</li> </ul>	50	Field	FORFT302

	<ul style="list-style-type: none"> <li>• May be metal or wooden</li> <li>• Usually painted in one-foot bands of alternate colors of red and white,</li> <li>• Used for sighting points and lines in surveying.</li> </ul>		Workshop	FORNE302 FORFA302 FORPC302 FORPT302 FORSE302 FORTD302
<b>Baskets</b>	<p><b>Dimensions:</b></p> <ul style="list-style-type: none"> <li>• Upper diameter: 335.0mm</li> <li>• Lower diameter:285.0mm</li> <li>• Height :319.0mm</li> </ul> <p><b>Weights:</b></p> <ul style="list-style-type: none"> <li>• Bucket weight: 595.8gr</li> <li>• Lid weight: 132.1gr</li> <li>• Handle weight (Met): 66.3gr</li> <li>• Handle weight (Plastic): n/a</li> <li>• Set's weight: 794.2gr</li> <li>• Set's weight: n/a</li> </ul> <p><b>Capacity:</b></p> <ul style="list-style-type: none"> <li>• Nominal: 20.0dm<sup>3</sup></li> <li>• Overall usable: 20.0dm<sup>3</sup></li> <li>• Overall:21.5 dm<sup>3</sup></li> <li>• Handle(standard): metal handle. <ul style="list-style-type: none"> <li>• Type: plastic</li> </ul> </li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302
<b>Spade</b>	<ul style="list-style-type: none"> <li>• Blade Dimension L x W (shoulder) x Thickness (mm) : 320 x 160 x 1.75 min</li> <li>• Blade Lift (mm) : 25</li> <li>• Blade Dish (mm) :55 lateral</li> <li>• Weight (including 700mm handle**) (kg) :1.6</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302

<p><b>Secateurs</b></p>	<ul style="list-style-type: none"> <li>• The size of the secateurs shall be 150, 175, 200 or 225 mm.</li> <li>• The tolerance for all the sizes shall be -&amp;5 mm.</li> <li>• The size shall be measured as straight distance between the tip of the blade and the distant end of handle in the closed position.</li> <li>• The blade must be made from high carbon steel, alloy steel or tool steel.</li> <li>• <b>The chemical composition</b> Carbon steel shall be as Carbon 0.7 to 0.9 percent, Silicon 0.1 to 0.4 percent, Manganese 0.5 to 1.0 percent, Sulphur 0.05 percent, Max. Mn Phosphorus 0.05 percent, Max.</li> <li>• The minimum thickness of the blades shall be 3.0 mm</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORPC302 FORPT302 FORTM302
<p><b>Shovels:</b></p> <ul style="list-style-type: none"> <li>• Square mouth</li> <li>• Round mouth</li> </ul>	<ul style="list-style-type: none"> <li>• Blade Dimension L X W (shoulder) x Thickness (mm):</li> <li>• 300*200*1.75 mm</li> <li>• 300*220*1.75mm</li> <li>• 320*240*1.75mm</li> <li>• 320*260*1.75mm</li> <li>• 340*280*1.75mm</li> <li>• Blade Lift (mm) : 160,160,180,180,190</li> <li>• Blade Dish (mm) :20,25,30,30,35</li> <li>• Weight (including 700mm handle**)</li> <li>• (kg) 1.6,1.8,2.0,1.8,2.0</li> </ul>	25	Field Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302
<p><b>Pick Axes</b></p>	<ul style="list-style-type: none"> <li>• Quality non excess metal</li> <li>• Rock well hardnessC(HRC) 35minimum</li> <li>• Carbon content 0.4-0.5%</li> <li>• Manganese content 0.5-0.8%</li> <li>• Silicone content 0.25% maximum</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORPT302 FORTM302 FORSE302

<b>Measuring tape</b>	<ul style="list-style-type: none"> <li>• Steel casing, 5 m, Impact Resistant</li> <li>• Length 5 m in wind up case, retractable for measuring sports grounds.</li> <li>• Width 13 mm, made of thin, plastic coated metal, calibrated on one side with 1 mm and 1 cm length marked in red for ease of reading.</li> <li>• Weight 131 gr</li> <li>• Volume 0.13 dm</li> <li>• Dimensions 7*7*2.5 cm</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Grass slasher</b>	<ul style="list-style-type: none"> <li>• Bar 1.0 metre long x 50 mm wide x 3 mm thick, (tolerance of +/- 5%)</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORPT302 FORTM302 FORSE302
<b>Hammer</b>	<ul style="list-style-type: none"> <li>• Claw hammer, sure-grip handle 500g, type: carpenter hammer</li> <li>• Material: high carbon steel head</li> <li>• Quality of make: no dents, no cracks, smooth</li> <li>• Weight of the head 750 g</li> <li>• Hardness rockwell c50 minimum to 58 maximum</li> </ul>	10	Field Workshop	FORFT302 FORNE302 FORPC302 FORPT302 FORTM302 FORSE302
<b>Hand trowel</b>	<ul style="list-style-type: none"> <li>• Size: 279 x 140mm (11 x 5 1/2 in)</li> <li>• Handle: Durasoft</li> <li>• Net Weight: 0.498kg</li> <li>• Total Shipping Weight: 0.747kg</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302

<b>Bucket</b>	<ul style="list-style-type: none"> <li>• Square or rectangular shape</li> <li>• Collapsible jerry can/water container with capacity of 10 or 20 l</li> <li>• Removable tightfit cap</li> <li>• Cap is attached to the container polyamide string with diameter of minimum 1 mm and approximately 120 mm</li> <li>• Made of PVC Coated polyester fabric, polyethylene or equivalent material and should not contain toxic element, UV resistant</li> <li>• Design life; minimum 2 years of use under tropical conditions</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302
<b>Rake</b>	<ul style="list-style-type: none"> <li>• Hot-forged carbon steel</li> <li>• Fitted with a standard hardwood handle</li> <li>• With one centimetre of the end of the teeth fixed in a clamp,</li> <li>• Handle is smooth surface, no chips, rough surface. It should be dry, strong and flexible wood,</li> <li>• The blade does not buckle or break.</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302
<b>Vertical Safety line</b>	<ol style="list-style-type: none"> <li>1) Overall Length: 9"</li> <li>2) Blade Length: 3.91"</li> <li>3) Blade Thickness: 0.112"</li> <li>4) Blade Material: 154 CM Premium Grade Stainless Steel</li> <li>5) Blade Style: Tanto</li> <li>6) Blade Grind: Flat</li> <li>7) Blade Weight: 1.33 oz.</li> <li>8) Edge Type: Plain</li> <li>9) Handle Length: 5.25"</li> <li>10) Handle Thickness: 0.630" (5/8")</li> <li>11) Handle Material: 6061-T6 Aircraft Aluminum</li> </ol>	5	Field Workshop	FORFT302 FORPC302 FORTM302

	12° Total Weight: 6.72 oz.															
<b>Vanier Caliper</b>	<ul style="list-style-type: none"> <li>Measuring range : 0 to 500 mm</li> <li>Accuracy or Maximum permissible error: <math>\pm 0.06</math> mm / <math>\pm 0.0025</math> inch</li> <li>Least count/Resolution /Graduation : 0.01 m / 0.0005 inch</li> </ul>	25		FORFT302 FORPC302 FORPT302 FORTM302												
<b>Machete</b>	<p>Material Specification (Steel)</p> <ul style="list-style-type: none"> <li>Carbon: 0.52 – 0.65</li> <li>Manganese: 0.5 – 0.8</li> <li>Silicon: 0.35 max</li> <li>Phosphorous: 0.06 max</li> <li>Sulfur: 0.06 max</li> <li>The hard wood handle with specific gravity of 0.66 to 0.80, and seasoning to not more than 20% moisture content.</li> <li>The steel rivets with carbon content : 0.15%</li> </ul>	25		FORFT302 FORNE302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302												
<b>Axe</b>	<p><b>Axe Head</b></p> <table border="0"> <thead> <tr> <th>Constituent</th> <th>Percent (%)</th> </tr> </thead> <tbody> <tr> <td>• Carbon</td> <td>: 0.75 to 0.85</td> </tr> <tr> <td>• Manganese</td> <td>: 0.50 to 0.80</td> </tr> <tr> <td>• Phosphorus</td> <td>: Max 0.050</td> </tr> <tr> <td>• Sulphur</td> <td>: Max 0.050</td> </tr> <tr> <td>• Silicon</td> <td>: Max 0.250</td> </tr> </tbody> </table>	Constituent	Percent (%)	• Carbon	: 0.75 to 0.85	• Manganese	: 0.50 to 0.80	• Phosphorus	: Max 0.050	• Sulphur	: Max 0.050	• Silicon	: Max 0.250	25	Field Workshop	FORFT302 FORNE302 FORPC302 FORPT302 FORSE302
Constituent	Percent (%)															
• Carbon	: 0.75 to 0.85															
• Manganese	: 0.50 to 0.80															
• Phosphorus	: Max 0.050															
• Sulphur	: Max 0.050															
• Silicon	: Max 0.250															
<b>Steeptape measure</b>	<ul style="list-style-type: none"> <li>Stanley 3M Bi-Material Measuring Tape</li> <li>Rewin Tape Measure Measuring Tape – Yellow (3M). View Larger</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORPC302												

	<ul style="list-style-type: none"> <li>• 3m/100ft Pocket Tape Measure – With Sight Window – Richter</li> <li>• 3M Tape Measure, a heavy duty, durable tape measure thats 3m in length with</li> <li>• Product Options: 3M 5M · Personalized Printed Professional 3M tape measure</li> <li>• Blomus Gents 3m/100 Tape Measure (68708). “Design for the pure life”</li> <li>• Stanley 3m Tape Measure</li> <li>• 3m/100ft ~100m/33ft Steel Tape Measure -1</li> </ul>			FORPT302 FORTM302
<b>Jerrican</b>	<ul style="list-style-type: none"> <li>• Capacity: 10L or 20L</li> <li>• Minimum weight: 180g for the 10L type, 270g for the 20L type</li> <li>• Plastic product (PP)</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORPC302 FORTM302
<b>Water tank</b>	<ul style="list-style-type: none"> <li>• Type: plastic</li> <li>• Usage: storage</li> <li>• Capacity:1000L</li> <li>• Diameter:1080mm</li> <li>• Height:1820mm</li> <li>• Inlet:400mm</li> <li>• Thickness:7mm</li> <li>• Weight:28kg</li> <li>• It is one-shot roto moulding tank It is easy to clean and good at corrosion</li> <li>• resistant.</li> <li>• Main material: Imported PE material, food grade</li> <li>• Size: Diameter 1080mm* Height 1820mm</li> <li>• Common color: Orange, blue, green, white or black. And you can order or decide it.</li> </ul>	2		FORFT302 FORNE302 FORPC302 FORPT302 FORTM302

<b>Ranging rods</b>	<ul style="list-style-type: none"> <li>• Diameter: 30 mm</li> <li>• Length: 2 m or 3 m</li> <li>• Painted with alternating bands, such as red and white, red and yellow, or black and white, in lengths of 200 mm.</li> </ul>	50	Field Workshop	FORFT302 FORNE302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Pegs</b>	<ul style="list-style-type: none"> <li>• Imported Hardwood</li> <li>• Size: 50 x 25 x 1200mm Painted</li> <li>• Material: Hardwood</li> <li>• Width: 50 mm</li> <li>• Finish: Painted</li> <li>• Dimensions: 50 x 25 x 1200mm</li> <li>• Length: 1200 mm</li> </ul>	100	Field Workshop	FORFT302 FORNE302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Air tight containers</b>	<ul style="list-style-type: none"> <li>• Plastic jars</li> <li>• Plastic bags</li> <li>• Plastic boxes</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORPC302 FORPT302
<b>N-frame level</b>	<ul style="list-style-type: none"> <li>• Sensitivity (mm/m per division): 0.05</li> <li>• Sensitivity "(Arcsecond): 10</li> <li>• Flatness of reference faces: 5 μm</li> <li>• Parallelism of reference faces: 5 μm</li> <li>• Perpendicularity of reference faces: 5 μm</li> <li>• Delivered: In a wooden case</li> <li>• Vee angle: 140°</li> <li>• Dimensions (WxDxH): 200 x 44 x 200 mm</li> <li>• Mass: 4kg</li> </ul>	10	Field Workshop	FORFT302 FORNE302 FORPT302 FORSE302 FORTD302
<b>Plumb bob</b>	<ul style="list-style-type: none"> <li>• Plumb line length: 5m</li> <li>• Weight: 200g</li> <li>• Chemical product : Die-cast zinc</li> </ul>	25	Field Workshop	FORFT302 FORPT302 FORSE302

				FORTD302
<b>Clinometers</b>	<ul style="list-style-type: none"> <li>• Dimensions: 75 x 52 x 15 mm</li> <li>• Weight: 110 g / 3.9 oz</li> <li>• Acrylic capsule</li> <li>• Anodized light-alloy housing</li> <li>• Optical adjustment for reading</li> <li>• Parallax-free lens</li> <li>• Jeweled bearing</li> <li>• Damping liquid</li> <li>• Nylon pouch with belt-loop</li> <li>• Lanyard and metal lanyard ring</li> </ul>	25	Field Workshop	FORFT302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Altimeter</b>	<ul style="list-style-type: none"> <li>• Weight 305 g</li> <li>• Power consumption 3.84 W (when charging)</li> <li>• Current 320 Ma at 12 V (when charging) 160 Ma at 24 V (when charging)</li> <li>• Operating temperature -10 °C to +50 °C</li> <li>• Storage temperature -30 °C to +60 °C</li> <li>• Backup battery Lithium iron phosphate (3.3 V)</li> <li>• Charging time from 0 to 100 % 2 h 30 min</li> <li>• Backup time 1 h 30 min (altimeter only)</li> <li>• Backup time 40 min</li> <li>• Max backup power output 150 Ma at 12 V</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORPT302 FORSE302 FORTD302
<b>Pentaprism</b>	<ul style="list-style-type: none"> <li>• Material : BK7</li> <li>• Dimensional tolerance : +/-0.15mm</li> <li>• 90 deg deviation tolerance: 3 arc min</li> <li>• Surface flatness : l/2</li> <li>• Surface quality : 60-40</li> <li>• Coating : AL with black lacquer overcoat</li> </ul>	10	Field Workshop	FORFT302 FORSE302 FORTD302
<b>Pruning saws</b>	<ul style="list-style-type: none"> <li>• Authentic Premium Steel.</li> <li>• Blade length: 180 mm.</li> </ul>	25	Field Workshop	FORFT302 FORNE302

	<ul style="list-style-type: none"> <li>Teeth: 7.5 teeth per 30 mm.</li> <li>Dimensions unfolded: 410 x 95 x 25 mm.</li> <li>Dimensions folded: 225 x 60 x 25 mm.</li> <li>Weight: 150 g.</li> <li>Kerf: 1.3 mm.</li> </ul>			FORPC302 FORPT302 FORTM302
<b>Flexible saws</b>	<ul style="list-style-type: none"> <li>Nominal power input: 1,400 W</li> <li>Nominal power input: 1,400 W</li> <li>Normal speed- no load: 3,600-6,250 L /min</li> <li>Cutting depth 0-57mm (2 1/4 inch)</li> </ul>	25	Field Workshop	FORFT302 FORPC302 FORPT302 FORTM302
<b>Metal file</b>	<ul style="list-style-type: none"> <li>Flat / round without handle</li> <li>Length of cut : 250 mm</li> <li>Cut 3</li> <li>Cross section : 25x6, 3mm</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORPC302 FORPT302 FORTM302
<b>Watering can</b>	<ul style="list-style-type: none"> <li>Material : Plastic</li> <li>Color : Blue</li> <li>Usage/Application : Garden</li> <li>Forward speed : adjustable</li> <li>Packaging type : box</li> <li>Weight : 2-4 kg</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302
<b>Pickets</b>	<ul style="list-style-type: none"> <li>Posts and Rails: 6061 T6 Aluminum Alloy</li> <li>Pickets : 6063 T5 Aluminum Alloy</li> <li>Coating : DuPont Powder Coating</li> <li>Top and bottom rails match fence sections</li> <li>Uprights are 1-5/8" x .125" wall thickness</li> <li>Order matching 48" wide walk gate or 60" wide for double drive gate</li> </ul>	100	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302

<b>Spring</b>	<ul style="list-style-type: none"> <li>• Material quality: steel, Inox or other material</li> <li>• Wire diameter (87.5 millimeter)</li> <li>• Outside diameter of the spring (95.5 millimeter)</li> <li>• Total number of coils or turns</li> <li>• Total number of active coils or turns</li> <li>• Free length (252.4 millimeter)</li> <li>• Force F1 (1.720N) for Length L1 (95.5 millimeter)</li> <li>• Surface treatment : (zinc plating, chrome plating, ...)</li> </ul>	10	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302
<b>Measuring scoop</b>	<ul style="list-style-type: none"> <li>• Colors : White</li> <li>• Materials : PP Plastic</li> <li>• Width : 42.00 mm</li> <li>• Height : 41.00 mm</li> <li>• Length : 132.00 mm</li> <li>• Netto Weight : 15.00g</li> <li>• Carton Width : 30.50 cm</li> <li>• Carton Height : 30.50 cm</li> <li>• Carton Length : 45.70 cm</li> <li>• Carton Gross Weight : 8.00 kg</li> <li>• Carton Netto Weight : 7.50 kg</li> <li>• Carton Items : 500 pcs</li> </ul>	15	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302
<b>Hygrometer</b>	<ul style="list-style-type: none"> <li>• Measurement ranges      0 ... 100 % RH, -30 ... 100 °C</li> <li>• Resolution                      0.01% RH, 0.01 °C</li> <li>• Accuracy                      ±2.0 % RH at 25 °C / 20 ... 80 % RH</li> <li>• Measurement rate              2,5 / second</li> </ul>	15	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302

	<ul style="list-style-type: none"> <li>• Display dual LCD with 4.5 positions (backlit)</li> <li>• Response time RH about 10 seconds</li> <li>• Power supply 9 V battery</li> <li>• Functions HOLD-function for MIN- and MAX-values</li> <li>• Auto offset after approx. 15 min. of inactivity (can be disabled).</li> </ul> <p>Storage conditions : -10 ... +60 °C, &lt;80 % RH</p> <ul style="list-style-type: none"> <li>• Dimensions : 225 x 45 x 34 mm</li> <li>• Weight : 200 g</li> </ul>			FORTM302 FORSE302
<b>Safety stop</b>	<ul style="list-style-type: none"> <li>• Sizing: 0.5m, 1m, 1.5m or 2m</li> <li>• Materials: Galvanised 7*19 steel rope. Aluminium ferrule, stainless steel thimble. PVC sleeve.</li> <li>• Loading : SWL 300 kg</li> <li>• Weight : 0.45 kg</li> </ul>	30	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Haga Altimeter</b>	<ul style="list-style-type: none"> <li>• Precise functionality and comfortable handling with a long-life cycle.</li> <li>• The Haga altimeter is a gravity-controlled pivoted pointer with a series of scales (15, 20, 25 and 30), chains (66´ L) and a percent scale.</li> <li>• Baseline scales are assigned by the user, and the baseline length is selected by turning an adjustment wheel to the desired scale</li> </ul>	15	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302

<b>Blume Leiss</b>	<ul style="list-style-type: none"> <li>• The Blume Leiss is developed to measure slope and tree height by the trigonometric principle.</li> <li>• The device measures the elevation angle between the operator and measured points. Tree heights can directly be read from the device depending on fixed distances of 15m, 20m, 30m and 40m.</li> <li>• Its has a slope correction factors can directly be read from the device depending on the slope.</li> <li>• The scales of height measurement for the fixed distances to the tree (15, 20, 30 and 40m) and scale for slope measurement.</li> </ul>	15	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Optical square</b>	<ul style="list-style-type: none"> <li>• Consists of Brass / suitable metal hollow box having open face about 6 x 3 cms</li> <li>• closed face about 2 x 3 cm. and deep about 4cm to 5cm</li> <li>• Provided with a brass handle about 8cm. in length.</li> <li>• Two mirrors fixed at an angle of 45 degrees to the inclined sides of the box.</li> <li>• Circular type made up of brass &amp; fitted with double reflecting mirror right &amp; left to 90, in case.</li> </ul>	15	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Prism Square</b>	<ul style="list-style-type: none"> <li>• Length (mm) : 100</li> <li>• Width (mm) : 100</li> <li>• Height (mm) : 26</li> <li>• Diameter of Prism (mm) : 17.8</li> <li>• Weight [g] 365</li> <li>• Axis height (mm) : 17.8</li> <li>• Anti-Reflex Coating</li> <li>• Coating with Copper</li> <li>• Housing material with Aluminium Alloy</li> </ul>	15	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302

<b>Sickles</b>	<ul style="list-style-type: none"> <li>• Handle length : 100 mm</li> <li>• Rockwell hardness C (HRC): 45 minimum to 5</li> <li>• Carbon content : 0.6% to 0.65%</li> <li>• Manganese content : 0.6% to 0.8%</li> <li>• Silicon content :0.3 % maximum</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Sieves</b>	<p><b>Type</b> : wire</p> <p><b>Sieve name</b> :</p> <ul style="list-style-type: none"> <li>✓ Number 3*16</li> <li>✓ Number 4*14</li> <li>✓ Number 10*10</li> <li>✓ Number 9*9</li> </ul> <p><b>Perforation size (mm)</b></p> <ul style="list-style-type: none"> <li>✓ 3*16 mesh per 25.4 mm</li> <li>✓ 4*14mesh per 25.4 mm</li> <li>✓ 10*10 mesh per 25.4mm</li> <li>• 9*9 mesh per 25.4 mm</li> </ul>	25	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302
<b>Hammer</b>	<ul style="list-style-type: none"> <li>• Claw hammer, sure-grip handle 500g, type: carpenter hammer</li> <li>• Material: high carbons steel head</li> <li>• Quality of make: no dents, no cracks, smooth</li> <li>• Weight of the head 750 g</li> <li>• Hardnessrockwell c50 minimum to 58 maximum</li> </ul>	15	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302

**1.3. Category 3: Security materials (safety materials)**

N°	Name and description	Specifications	Quantity	Type of room	Module code
1	<b>Goggles /eye splash shield</b>	<ul style="list-style-type: none"> <li>• Clear lenses,</li> <li>• Clear polycarbonate lenses</li> <li>• Durable</li> <li>• Provide side protection of the eye</li> <li>• Fit properly</li> <li>• Comfortable to wear</li> <li>• Provide unrestricted vision of the eye</li> <li>• Cleanable               <ul style="list-style-type: none"> <li>• Have a CE mark or any approved quality mark</li> <li>• Canadian Standards Association (CSA) standard Z94.3-07: Eye and Face Protectors13. Fluid resistant • Must have double anti-static No- glare optical shield</li> </ul> </li> </ul>	25	Field  Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
	<b>Work Gloves</b>	<ol style="list-style-type: none"> <li>1)Strong stitching, generous fit;</li> <li>2) Nitrile gloves are 100% latex free.</li> <li>3) Fully textured palm and fingers allow a strong grip for both wet and dry applications.</li> <li>4) Superior puncture, tear and chemical resistance with excellent tactile sensitivity and dexterity.</li> <li>5) Gloves are powder-free and ambidextrous, with a thickness of 4.0 mil and length of 9". Packs of 10.</li> </ol>	25 pairs	Field  Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302

		<ul style="list-style-type: none"> <li>6) Case Dimensions 6.00 IN x 6.00 IN x 6.00 IN Case Count 24 Case Weight 1.00 LB Color Blue Package Weight 0.20 LB Quantity per Package 10 gloves Size Medium</li> </ul>			
	<b>Plastic Gloves</b>	<ol style="list-style-type: none"> <li>1) Excellent resistance to many solvents</li> <li>2) Providing puncture and abrasion resistance.</li> <li>3) Great for use in plant maintenance, painting, laboratories, chemical handling and clean-up, plus many other uses.</li> <li>4) A raised diamond palm pattern for extra grip when wet. 17”L with straight cuff</li> </ol>	25	Field Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
	<b>Antiseptic gel</b>	<ol style="list-style-type: none"> <li>1) Specific properties: Has an NPN number</li> <li>2) Physical properties: courless gel</li> <li>3) Viscosity :600-1400 Cp</li> <li>4) Odeur : alcohol</li> <li>5) Specific gravity:0.885-0.895</li> </ol>	25 L	Field Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
	<b>Dust mask</b>	<ol style="list-style-type: none"> <li>1)Light weight plastic frame moulds to facial contours</li> <li>2) The materi al used at the part ti ghtly contacted wi th face must give no harm on the skin.</li> </ol>	100	Field Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302

		<p>3. The filter material must give no harm to human body.</p> <p>4) The material used must be strong enough not to be defected to give tear or distortion by ordinary application.</p> <p>5) It must be not easy to break.</p> <p>6) It must be easy to wear, and not to give a pressed feeling or pain when being worn.</p> <p>7) The dead space must not be too large.</p> <p>8) It must not remarkably narrow the visual field of the wearer.</p>			<p>FORSE302</p> <p>FORTD302</p>
	<b>Boot / Foot wear</b>	<p>1) height of the upper</p> <p>2)heel area on boots</p> <p>3) minimum length, pressure and bump impact resistance of the toe cap</p> <p>4) water vapour permeability and water vapour number of the upper</p> <p>5) outsole thickness and abrasion resistance of the outsole</p> <p>6) Resistant Black Rubber Boots. Ribbed Soles for Extra Traction. 16-inch Steel Toe Design. Durable Cotton Lining.</p>	25	<p>Field</p> <p>Workshop</p>	<p>FORFT302</p> <p>FORPB302</p> <p>FORNE302</p> <p>FORFA302</p> <p>FORPC302</p> <p>FORPT302</p> <p>FORTM302</p> <p>FORSE302</p> <p>FORTD302</p>

5	<b>Safety helmet</b>	<ol style="list-style-type: none"> <li>1. Agricultural type type;</li> <li>2. Fully adjustable internal harness and nape strap for extra comfort</li> </ol>	25	Field Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
6	<b>Overcoats for trainer/instructors</b>	<ul style="list-style-type: none"> <li>• Made in cotton</li> <li>• Medium Size</li> <li>• Large Size</li> <li>• Extra large</li> </ul>	2	Field Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
7	<b>Overall, for student</b>	<ul style="list-style-type: none"> <li>• Made in cotton.</li> </ul> <b>Size</b> <ul style="list-style-type: none"> <li>• Small</li> <li>• Medium</li> <li>• Large</li> <li>• Extra large</li> </ul>	25	Field Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
8	<b>Safety shoes</b>	<ul style="list-style-type: none"> <li>• Brown and black Full Grain Leather Upper;</li> <li>• Padded Collar and Tongue;</li> </ul>	25	Field Workshop	FORFT302 FORPB302 FORNE302

		<ul style="list-style-type: none"> <li>• Dual Density Polyurethane Sole Unit;</li> <li>• Slip Resistant Sole Unit;</li> <li>• Antistatic;</li> <li>• Energy Absorption Heel;</li> <li>• Steel Midsole Unit;</li> <li>• 200 Joule Steel Toe Cap;</li> <li>• Sole unit resistant to oils, acids and alkalis;</li> <li>• Heat resistant sole unit to 180°C;</li> <li>• EN Level EN345 S1-P;</li> </ul>			FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
9	<b>First Aid kit</b>	With assorted medication for burns and cuts: e.g.: scissors, antiseptic cream, iodine, eyewash, bandages of 2 sizes, plaster, cotton wool; 1. 1x Leaflet; 2.60 x Assorted plasters; 3. 8 x Non-woven bandages; 4. 16 x Dressing pads; 5. 12 x Safety pins; 6. 20 x Wipes; 7. 6 x Eye pads; 8. 3 x Pairs of gloves	5	Field Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
10	<b>Dry chemical extinguishers</b>	1.Non corrosive pull pin; 2.Completely rechargeable; 3.Full hand grip for ease of operation; 4.Waterproof stainless steel gauge; 5.Steel valve; 6.Quick release hose; 7.Steel cylinder complete with cylinder skirt; 8.Steel 2 1/2" cylinder (1A-10BC);	2	Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302

		9.Cylinder with high corrosion and impact resistant finish (red epoxy); 10.Comes complete with wall bracket; 11.Vehicle bracket optional			FORTD302
11	<b>Raincoat</b>	<ul style="list-style-type: none"> <li>• Material of rain coat: First grade Nylon only</li> <li>• Jacket-front part: combined front &amp;Back part</li> <li>• Jacke-backpart:combined front &amp;back part</li> </ul>	25	Field	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
12	<b>Reflective jacket</b>	<p>To comply with the CSA Standard, any high-visibility safety apparel must meet the following criteria for the stripes/bands:</p> <ul style="list-style-type: none"> <li>• A minimum width of 50 mm.</li> <li>• A waist-level horizontal stripe/band that goes completely around the body at the navel or belly button.</li> <li>• Two vertical stripes on the front passing over the shoulders and down to the waist.</li> <li>• A symmetric "X" on the back extending from the shoulders to the waist.</li> <li>• For Class 3 apparel, stripes/bands encircling both arms and both legs are added.</li> </ul>	25	Field	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
13	<b>Ear protector</b>	<ul style="list-style-type: none"> <li>• Noise exposures: less than 95 dBA,</li> </ul>	25	Workshop	FORFT302

		<ul style="list-style-type: none"> <li>Recommended Exposure Limit : 85 dBA.</li> <li>Hearing protector providing 10 dB of sound reduction</li> </ul>			FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
12	CO <sub>2</sub> Extinguishers	<ul style="list-style-type: none"> <li>Agent: 99% pure CO<sub>2</sub> gas</li> <li>Cylinder size: D152*H750mm</li> <li>Cylinder thread: PZ 25.4</li> <li>Bottom shape: flat base</li> <li>Thickness: 5.0mm</li> <li>Valve: Brass body with red middle handle, hanger loop, thread: W21.8*14</li> <li>Hose: black rubber hose with horn. Length: 110cm</li> <li>Siphon tube:M10*1*680mm</li> <li>Bracket: Red round hook</li> <li>Cylinder painting: 7325 Red painting</li> <li>Weight: 12kg</li> </ul>	2	Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302

#### 1.4. Category 4: Consumables and raw materials

Name and description	Specifications	Quantity	Type of room	Module code
1. Forest plantation site	<ul style="list-style-type: none"> <li>Not located in valley/ marshland</li> <li>Good physical and chemical properties</li> <li>Good in environmental conditions</li> </ul>	1 Ha	Field Workshop	FORFT302 FORPB302 FORNE302

				FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>2. cuttings and suckers</b>	<ul style="list-style-type: none"> <li>• Higher genetically purity</li> <li>• Higher physical purity for certification.</li> <li>• Possession of good shape, size, colour, etc., according to specifications of variety.</li> <li>• Higher physical soundness and weight.</li> <li>• Higher germination (depending on the tree species)</li> <li>• Higher physiological vigour and stamina.</li> </ul>	Depend on the quantity of seeds required	Field Storage	FORNE302 FORPC302 FORPT302 FORTM302 FORSE302
<b>3. Tree for seeds collection</b>	<ul style="list-style-type: none"> <li>• Best stand and uniform</li> <li>• Young, tall, straight and vigortrees</li> <li>• Free of pest and diseases</li> <li>• Not isolated on trees</li> </ul>	Depend on the quantity of seedsrequired	Field Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>4. Detergents</b>	<ul style="list-style-type: none"> <li>• Immersion liquidssuch as sulfuricacid,</li> </ul>	Depend on	Field	FORFT302

	dung, hydrogenperoxide, gibberellicacid, hot water, liquidnitrogen) thatincrease germination rate	seedquality and quantityrequired to sow in the nursery	Workshop	FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>5. Poles</b>	<ul style="list-style-type: none"> <li>• Withsmall and medium diameter</li> <li>• Durable</li> <li>• Strong</li> <li>• Long</li> </ul>	200 pieces	Field Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>6. Pipes</b>	<ul style="list-style-type: none"> <li>• Coils or drums in long lengths reducing joins</li> <li>• Outstanding resistance to subsidence and earthquake</li> <li>• Low temperature resistance – pipes remain intact and undamaged even after freezing.</li> <li>• Excellent corrosion resistance, chemical resistance and abrasion resistance.</li> <li>• Low depreciation and maintenance costs (life-span of 100 years – DIN 8074)</li> </ul>	20pieces	Field Storage Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302

	<ul style="list-style-type: none"> <li>• A wide range of fittings and accessories available.</li> <li>• Pipe Diameter: Must be indicated in mm (12,16,20,25,32)</li> <li>• PN - Nominal Pressure – Bars : Must be indicated( 1.4, 1.8,2.0,2.3, 2.8,3.2,3.6,4.4,5.4)</li> </ul>			
<b>7. Ropes</b>	<ul style="list-style-type: none"> <li>• Braided ropes, sleeve diameter (8*rope diameter)</li> <li>• 3 strand ropes; sleeve diameter (10*rope diameter)</li> <li>• Multi-plait ropes; sleeve diameter (10 *ropes diameter)</li> <li>• Aramid ropes; sleeve diameter=20*rope diameter</li> <li>• A diameter larger than 3/8 inch (9.52 mm)</li> </ul>	50	Field Storage Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>8. Seedlings</b>	<ul style="list-style-type: none"> <li>• Depend on tree species adapting in the region</li> <li>• Healthyseedling</li> <li>• Free of pests and diseases</li> <li>• Have large and well developed crown</li> <li>• Being mature, long and straight (20-30 cm) for timber trees (30-40) for fruit trees</li> <li>• Trunk with few branches</li> <li>• For fruit trees, low branching may be desired for easier fruit harvest</li> <li>• Fruit quality, such as sweetness or</li> </ul>	500 seedlings of each tree	Field	FORNE302 FORPC302 FORPT302 FORTM302

	<p>ability to be transported with minimum damage, fast growth rate</p> <ul style="list-style-type: none"> <li>• low susceptibility to (or ability to quickly recover from) disease or insect attack.</li> </ul>			
<b>9. Fumigants</b>	<ul style="list-style-type: none"> <li>• Fumigants for storage treatment: hydrogen cyanide, naphthalene, nicotine, and methyl bromide</li> <li>• Fumigants for soil treatment : methyl bromide, dichloropropane, propylene oxide, dibromochloropropane, organophosphate insecticides, and chloropicrin.</li> </ul>	100kgs	Field Storage	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302
<b>10. Nylon sacks</b>	<ul style="list-style-type: none"> <li>• Material composition: virgin materials for PP</li> <li>• 2.6- 20kg, 25 kg bags</li> <li>• Capacity: fit to contain 25kg of product - typical size 50 x 75 cm +/- 5cm,</li> <li>• Typicalweight 65grs/piece,</li> <li>• 2.7- 40 kg bags</li> <li>• Capacity: fit to contain 40kg of product - typical size 55 x 90 cm +/- 5cm,</li> <li>• Typicalweight 85 gr/piece,</li> <li>• 2.8- 50 kg, 60kg, 70kg bags</li> <li>• Capacity : fit to contain 50kg of product - typical size 60 x 100 cm +/- 5cm,</li> <li>• Typicalweight 105 gr/piece,</li> </ul>	100pieces	Field	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302

	<ul style="list-style-type: none"> <li>- 2.9- 90 kg bags</li> <li>• Capacity: fit to contain 90kg of product – typical size 75 x 116 cm +/- 5cm,</li> <li>• Typical weight 153 gr/piece,</li> <li>• Minimum PE thickness : 80 µm,</li> </ul>			
<b>11. Leaflets</b>	<ul style="list-style-type: none"> <li>• Letter size: 8.5" x 11" or A4: 8.3" x 11.7"</li> <li>• A5: 8.3" x 5.8"</li> <li>• A6: 5.8" x 4.1"</li> <li>• DL (dimension lengthwise): 8.3" x 3.9" or one third of A4.</li> </ul>	2 packs	Field Workshop	FORNE302 FORFA302 FORPT302 FORTM302
<b>12. Fuel</b>	Disiel or petrol (depend on enginemanufacturer guidelines)	500lts	Field Workshop	FORFT302 FORNE302 FORPC302 FORPT302 FORTM302
<b>13. lubricants</b>	<ul style="list-style-type: none"> <li>• Produce by one of the following societies and certified under ISO (International Standards Organization)</li> <li>:</li> <li>• SAE (Society of Automotive Engineers)</li> <li>• API (American Petroleum Institute)</li> <li>• AGMA (American Gear Manufacturers Association),</li> <li>• NLGI (National Lubricating Grease</li> </ul>	10lts	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302

	<p>Institute).</p> <ul style="list-style-type: none"> <li>Present Material Safety data Sheet(MSDS)</li> </ul>			
<b>14. Compost</b>	<p>All material is dark brown</p> <ul style="list-style-type: none"> <li>Parent material is no longer visible.</li> <li>Structure is mixture of fine and medium size particle and humus crumbs.</li> </ul>	5000kgs	Field Workshop	FORFT302 FORNE302 FORFA302 FORPT302 FORTM302 FORSE302
<b>15. Farm Yard Manure( FYM)</b>	<ul style="list-style-type: none"> <li>0.5–1.5% N,</li> <li>0.2–0.4% P<sub>2</sub>O<sub>5</sub>,</li> <li>0.5–1.0% K<sub>2</sub>O.</li> </ul>	5000kg	Field	FORNE302 FORFA302 FORPT302 FORTM302 FORSE302
<b>16. Pesticides</b>	<p>Insecticides :.....</p> <p>Fungicides :.....</p>			FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302
<b>17. Timbers</b>	<ul style="list-style-type: none"> <li>Durable, Strong</li> </ul>	50 pieces	Field Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302
<b>18. Paints</b>	<ul style="list-style-type: none"> <li>Must have a good body or spreading power.</li> <li>Must work smoothly and freely</li> </ul>	3jelcans	Field	FORFT302 FORNE302 FORPC302

	<p>and be capable of being laid in a thin coat with the brush.</p> <ul style="list-style-type: none"> <li>• Must be from durable, tough, and resistant to wear film on drying.</li> <li>• Colour of paint must not fade or change.</li> <li>• Must become surface dry in about 9 hours and hard enough to take up another coat in 24 hours.</li> <li>• Must not crack on drying.</li> <li>• Must give a smooth and pleasing appearance showing no brush marks on drying.</li> <li>• Must dry quickly.</li> <li>• Must not damage the painted surface.</li> </ul>			FORPT302 FORTM302
<b>19. Potable Water( drinking purpose)</b>	<p><b>Parameter, Requirement and Unit</b></p> <ul style="list-style-type: none"> <li>• Colour : 15 Pt. Co scale:</li> <li>• Odour : odourless Pt.</li> <li>• pH : 6.5-8.5 Pt.</li> <li>• Taste : tasteless Pt.</li> <li>• Turbidity : 5 FTU</li> <li>• Aluminum : 0.2 mg/l</li> <li>• Copper : 1.0 mg/l</li> <li>• Iron Total : 0.3 mg/l</li> <li>• Manganese : 0.1 mg/l</li> <li>• Sodium : 200 mg/l</li> <li>• Zinc : 5 mg/l</li> <li>• Chloride: 250 mg/l</li> </ul>	Not applicable	Field	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302

	<ul style="list-style-type: none"> <li>• Flouride:1.5 mg/l</li> <li>• Nitrate: 10 mg/l</li> <li>• Nitrite: 1 mg/l</li> <li>• Sulphate: 400 mg/l</li> <li>• Arsenic: 0.05 mg/l</li> <li>• Barium: 1 mg/l</li> <li>• Cadmium: 0.005</li> <li>• Cyanide: 0.1 mg/l</li> <li>• Chrom Hexavalent: 0.05 mg/l</li> <li>• Lead: 0.05 mg/l</li> <li>• Mercury: 0.001 mg/l</li> <li>• Selenium: 0.01 mg/l</li> <li>• Organic Matter by KMnO<sub>4</sub>: 10 mg/l</li> <li>• Dissolved Solid: 1000 mg/l</li> <li>• Hydrogen Sulphide as H<sub>2</sub>S: 0.05 mg/l</li> <li>• Total Hardness: 500 mg/l</li> </ul> <p><b>Bacteriological:</b></p> <ul style="list-style-type: none"> <li>• Total Bacteria: 6.9 x 10<sup>2</sup> per ml</li> <li>• Coliform: nil per 100 ml</li> <li>• E. Coli: nil per 100 ml</li> <li>• Salmonella sp: negative per 100 m</li> </ul>			
<b>20. Tape water ( irrigation purpose)</b>	WASCA water Under ground water	Not applicable	Field	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302

				FORTD302
<b>21. Soap (laundry soap)</b>	<p>Requirements % (m/m)</p> <ul style="list-style-type: none"> <li>• Total fatty matter, %, min (Grade 1/Grade 2): 62 / 50</li> <li>• Matter insoluble in water, % max (Grade 1/Grade 2): 0.5 / 5</li> <li>• Matter insoluble in ethanol, max (Grade 1/Grade 2): 2.5 / 20</li> <li>• Free caustic alkali, as NaOH, max (Grade 1/Grade 2): 0.2 / 0.2</li> <li>• Total free alkali, as NaOH, max (Grade 1/Grade 2): 0.2 / 0.3</li> <li>• Total free fat (unsaponified and unsaponifiable fatty matter), max (Grade 1/Grade 2): 0.2 / 0.6</li> <li>• Moisture and volatile matter content at 105 °C, max (Grade 1/Grade 2): 30 / 30</li> <li>• Chloride content, as NaCl, max (Grade 1/Grade 2): 1.5 / 1.5</li> <li>• Staining (Grade 1/Grade 2): Shall pass the test</li> </ul>	50 l of liquid soap	Field	<p>FORTD302</p> <p>FORFT302</p> <p>FORNE302</p> <p>FORFA302</p> <p>FORPC302</p> <p>FORPT302</p> <p>FORTM302</p> <p>FORTD302</p>
<b>22. Seed Containers</b>	<ul style="list-style-type: none"> <li>• plastic, sacs and bags,</li> </ul>	<ul style="list-style-type: none"> <li>• Seed Containers</li> </ul>		<p>FORFT302</p> <p>FORNE302</p> <p>FORPC302</p> <p>FORPT302</p>
<b>23. Green manure seeds</b>	<ul style="list-style-type: none"> <li>• Luzern seed, Mucuna</li> </ul>	10 kg	Workshop	<p>FORFT302</p> <p>FORNE302</p> <p>FORFA302</p> <p>FORPC302</p>

				FORPT302 FORTM302 FORSE302
<b>24. Sand</b>	<p>clean and coarse</p> <ul style="list-style-type: none"> <li>• free from any organic matter</li> </ul>	1 truck	Field	FORFT302 FORNE302 FORPT302
<b>25. Mycorrhizae</b>	From certified company			FORNE302 FORPT302 FORTM302
<b>26. Seeds</b>	<ul style="list-style-type: none"> <li>• Seeds of Markhamia lutea seeds, Acacia mearnsii seeds, Leucaena diversifolia seeds.</li> <li>• Eucalyptus sp; Acacia melanoxylon, Alnus acuminata, Grevillea robusta</li> <li>• Healthy seeds</li> <li>• Free of pests and diseases</li> <li>• wood quality, such as high density, or straightness of the grain</li> </ul>	100 seedlings of each crop	Field	FORNE302 FORPC302 FORPT302
<b>27. Mulching material</b>	<ul style="list-style-type: none"> <li>• Crop residues are materials left in an agricultural field after the crop has been harvested.</li> <li>• These residues include :</li> <li>• stalks and stubble (stems),</li> <li>• leaves and seed pods</li> </ul>	100 loads	Field	FORNE302 FORPT302 FORTM302
<b>28. Fumigants</b>	<ul style="list-style-type: none"> <li>• Fumigants for storage treatment: hydrogen cyanide, naphthalene, nicotine, and methyl bromide</li> <li>• Fumigants for soil treatment : methyl bromide, dichloropropane, propylene oxide, dibromochloropropane,</li> </ul>	100kgs	Field Storage	FORNE302 FORPT302 FORTM302

	organophosphate insecticides, and chloropicrin.			
<b>29. Grease</b>	<ul style="list-style-type: none"> <li>Consistency: ASTM worked penetration (<math>10^{-1}</math> mm): 220–250</li> <li>Appearance at room temperature : medium hard</li> </ul>	1okgs	<ul style="list-style-type: none"> <li>Field</li> <li>Storage</li> </ul>	FORFT302 FORNE302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>30. Nylon sacks</b>	<ul style="list-style-type: none"> <li>Material composition: virgin materials for PP</li> <li>2.6- 20kg, 25 kg bags</li> <li>Capacity: fit to contain 25kg of product - typical size 50 x 75 cm +/- 5cm,</li> <li>Typical weight 65grs/piece,</li> <li>2.7- 40 kg bags</li> <li>Capacity: fit to contain 40kg of product - typical size 55 x 90 cm +/- 5cm,</li> <li>Typical weight 85 gr/piece,</li> <li>2.8- 50 kg, 60kg, 70kg bags</li> <li>Capacity: fit to contain 50kg of product - typical size 60 x 100 cm +/- 5cm,</li> <li>Typical weight 105 gr/piece,</li> <li>- 2.9- 90 kg bags</li> <li>Capacity: fit to contain 90kg of product – typical size 75 x 116 cm +/- 5cm,</li> <li>Typical weight 153 gr/piece,</li> </ul>	1okgs	<ul style="list-style-type: none"> <li>Field</li> <li>Storage</li> </ul>	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302

	<ul style="list-style-type: none"> <li>Minimum PE thickness : 80 µm,</li> </ul>			
<b>31. Mineral fertilizers</b>	<p><b>Solid :</b></p> <ul style="list-style-type: none"> <li>NPK</li> <li>DAP <ul style="list-style-type: none"> <li>Urea</li> </ul> </li> </ul> <p><b>Liquid :</b></p> <ul style="list-style-type: none"> <li>Di grow</li> <li>Easy grow</li> <li>Agroleaf</li> </ul> <p>Trees usually respond best to fertilizer with a 2-1-1 or a 3-1-1 ratio (nitrogen-phosphorus-potassium)</p> <ul style="list-style-type: none"> <li><b>Solid :</b>(NPK, DAP and Urea)</li> </ul>	10kgs	<ul style="list-style-type: none"> <li>Field</li> <li>Storage</li> </ul>	FORNE302 FORFA302 FORPT302
<b>32. Chemicals</b>	<ul style="list-style-type: none"> <li>H<sub>2</sub>SO<sub>4</sub>, Auxins, Disinfectant, Hydrogen, peroxide, detergents</li> </ul>	10kgs	<ul style="list-style-type: none"> <li>Field</li> <li>Storage</li> </ul>	FORNE302 FORFA302 FORPC302 FORPT302 FORTM302

## 2. Training facilities

### 2.1. Furniture and office materials

Name and description	Specifications	Quantity	Type of room	Module code
----------------------	----------------	----------	--------------	-------------

<b>Projector</b>	<ul style="list-style-type: none"> <li>• <b>Type of display</b> Poly-silicon TFT active matrix</li> <li>• <b>Resolution</b> <b>BrightLink 480i:</b></li> <li>• 1024 × 768 pixels (XGA)</li> <li>• <b>BrightLink 475Wi/485Wi:</b></li> <li>• 1280 × 800 pixels (WXGA)</li> <li>• <b>Lens</b> F= 1.80</li> <li>• Focal length: 3.71 mm</li> <li>• <b>Color reproduction</b> Full color, 16.77 million colors</li> <li>• <b>Brightness</b> <b>BrightLink 475Wi:</b></li> <li>• Normal Power Consumption mode:</li> <li>• White light output 2600 lumens (ISO 21118 standard)</li> <li>• Color light output 2600 lumens</li> <li>• ECO Power Consumption mode:</li> <li>• White light output 1800 lumens (ISO 21118 standard)</li> <li>• <b>BrightLink 480i:</b></li> <li>• Normal Power Consumption mode:</li> <li>• White light output 3000 lumens (ISO 21118 standard)</li> <li>• Color light output 3000 lumens</li> <li>• ECO Power Consumption mode:</li> <li>• White light output 1800 lumens (ISO 21118 standard)</li> <li>• <b>BrightLink 485Wi:</b></li> <li>• Normal Power Consumption mode:</li> </ul>	1	<ul style="list-style-type: none"> <li>• Classroom</li> <li>• Workshop</li> </ul>	

	<ul style="list-style-type: none"> <li>• White light output 3100 lumens (ISO 21118 standard)</li> <li>• Color light output 3100 lumens</li> <li>• ECO Power Consumption mode:</li> <li>• White light output 1800 lumens (ISO 21118 standard)</li> <li>• <b>Contrast ratio</b></li> <li>• 3000 to 1 with Auto Iris on and Normal Power Consumption mode</li> <li>• <b>Image sizeBrightLink 480i:</b></li> <li>• 55.9 to 93.2 inches (1.42 to 2.37 m)</li> <li>• <b>BrightLink 475Wi/485Wi:</b></li> <li>• 60 to 100 inches (1.52 to 2.54 m)</li> <li>• <b>Projection distance</b>13.7 to 23.5 inches (0.35 to 0.60 m) <b>Projection methods</b>Front, wall or ceiling-mounted<b>Optical aspect ratio</b></li> <li>• (Width-to-height)</li> <li>• <b>BrightLink 480i:</b></li> <li>• 4:3</li> <li>• <b>BrightLink 475Wi/485Wi:</b></li> <li>• 16:10</li> <li>• <b>Focus adjustment</b>Manual<b>Zoom adjustment</b>Digital<b>Zoom ratio</b></li> <li>• (Tele-to-Wide)</li> <li>• 1:1.35<b>Internal sound system</b>16 W monaural<b>Noise level</b>35 dB (Normal Power Consumption mode)</li> <li>• 28 dB (ECO Power Consumption)</li> </ul>			
--	--	--	--	--

	<p>mode)</p> <ul style="list-style-type: none"> <li>• <b>Keystone correction angle</b>Vertical: <math>\pm 5^\circ</math></li> <li>• Horizontal: <math>\pm 5^\circ</math></li> <li>• <b>USB-B port compatibility</b>USB 1.1 and 2.0 compliant for USB display or external mouse<b>USB-A port compatibility</b>One USB 1.1 and 2.0 compliant port for USB device input or EPSON document camera display</li> </ul>			
<b>Computer laptop</b>	<p><b>Recommended Configurations</b></p> <ul style="list-style-type: none"> <li>• <b>Processor (CPU):</b> Intel Core i5 (sixth generation or newer) or equivalent</li> <li>• <b>Operating System :</b> Microsoft <b>Windows 10 Professional</b> x64</li> <li>• <b>Memory :</b> 16 GB RAM</li> <li>• <b>Storage:</b> 512 GB internal Solid State Drive (SSD) or 1 TB internal HDD</li> <li>• <b>Sustainability:</b> EPEAT Silver rating (preferably EPEAT Gold)</li> <li>• <b>Monitor/Display :</b> 24" LCD</li> </ul>	1	Classroom	

	<p>monitor</p> <ul style="list-style-type: none"> <li>• <b>Network Adaptor:</b> 802.11ac 2.4/5 GHz wireless adapter</li> <li>• <b>Other:</b> Webcam, lock, external drive for backups</li> </ul> <p><b>Minimum Requirements</b></p> <ul style="list-style-type: none"> <li>• <b>Processor (CPU):</b> Intel Core i3 (sixth generation or newer) or equivalent</li> <li>• <b>Operating System :</b> Microsoft <b>Windows 10</b> x64</li> <li>• <b>Memory :</b> 8 GB RAM</li> <li>• <b>Storage :</b> 500 GB internal storage drive</li> <li>• <b>Monitor/Display :</b> 15" LCD monitor</li> </ul> <p><b>Other:</b> 802.11ac 2.4/5 GHz wireless adapter</p>			
<b>Markers</b>	<ul style="list-style-type: none"> <li>• Refillable ink tubes</li> <li>• Replaceable tips</li> </ul>	20 box (12 pieces/box)	Classroom	FORFT302 FORPB302 FORNE302 FORFA302

	<ul style="list-style-type: none"> <li>• Vibrant colors</li> <li>• Alcohol-based with fast drying time, non-toxic, and acid-free</li> <li>• High-quality permanent ink</li> <li>• High-quality temporary ink</li> <li>• Excellent for layering and blending</li> <li>• Can be used with the brand airbrush system</li> </ul>			FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Newspapers</b>	<ul style="list-style-type: none"> <li>• From recognised agricultural institutions.</li> </ul>	monthly	Classroom	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Notebook</b>	The books should be made from <ul style="list-style-type: none"> <li>• Wood free,</li> <li>• White color</li> <li>• Glazed papers with regular opacity and antistatically</li> </ul>	100 pieces	Classroom	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302

	<p>treated.</p> <ul style="list-style-type: none"> <li>• Size A5 - 165 x 210mm 26 sheets (52 pages) excluding cover,</li> <li>• Wire-stitched on the 210 mm side,</li> <li>• Bond paper of 80 gm/m2 ruled faint with 22 grey 8 mm spaced single lines.</li> <li>• Pink manila cover 100 gm/m2 printed in black on two sides with UN emblem and letters "UNRWA".</li> <li>• English and Arabic text printed within oblong box approx. 11 x 4 cm with Name, School, Class, School year, in that order opposite dotted lines.</li> <li>• The oblong box must be printed on both sides of the book).</li> <li>• UNCC Code (326210-0004) to be in small print at bottom left hand corner of cover.</li> </ul>			<p>FORSE302 FORTD302</p>
<b>Internet</b>	<ul style="list-style-type: none"> <li>• 4G</li> </ul>	Not applicable	Classroom	<p>FORFT302 FORPB302 FORNE302</p>

				FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Pens</b>	<ul style="list-style-type: none"> <li>• Look for fit</li> <li>• Finish first</li> <li>• Find balance</li> <li>• Make a point</li> <li>• A little insurance</li> <li>• Be dazzled.</li> </ul>	100 pieces	Classroom	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Template</b>	<ul style="list-style-type: none"> <li>• Revision Log</li> <li>• Executive Summary</li> <li>• Assumptions, Risks, and Dependencies</li> <li>• Requirements</li> <li>• References</li> <li>• Glossary</li> </ul>	Not applicable	Classroom	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Ruler</b>	<ul style="list-style-type: none"> <li>• Length of approximately 31cm,</li> <li>• Width of 3cm</li> </ul>	25 pieces	Classroom	FORFT302 FORPB302 FORNE302

	<ul style="list-style-type: none"> <li>• Thickness of 3mm with beveled edges.</li> <li>• Straight edge</li> <li>• Length measurement markings along the edge.</li> <li>• Weight : 0.260kg</li> <li>• <b>Shape :</b> Protractor, Triangle, T-square The regular straight ruler.</li> </ul> <p>Material : plastic or metallic</p>			FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Records keeping forms</b>	<ul style="list-style-type: none"> <li>• Digitization of document must be done to ensure that a text is visible</li> <li>• Size: up to A0 scan to original size</li> <li>• Resolution: Minimum 300 DPI (or equivalent in PPI)</li> <li>• Black and white : minimum 1</li> </ul>	Not applicable	Classroom	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302

	<p>bite</p> <ul style="list-style-type: none"> <li>• Grey scale : minimum 8 grey scale</li> <li>• Compression : lossier</li> </ul>			
<b>Related books</b>	<ul style="list-style-type: none"> <li>• Must be relevant and contain specific informations related to module</li> <li>• Has a strong character</li> <li>• Have engaging plot</li> <li>• Written in such a way that the way jumps off the page</li> <li>• Good language style <ul style="list-style-type: none"> <li>• Edited thoroughly.</li> </ul> </li> </ul>	Not applicable	Classroom	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Pencils</b>	<ul style="list-style-type: none"> <li>• Black lead core (3mm core),</li> <li>• Quality wood casing,</li> <li>• cyan color,</li> <li>• hexagonal in shape,</li> <li>• suitable for use on all paper surfaces</li> <li>• the length of the pencil should</li> </ul>	100 pieces	Workshop Field Classroom	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302

	<p>be 175 mm,</p> <ul style="list-style-type: none"> <li>presented without eraser and sharpened</li> </ul>			
<b>Flip chart</b>	<ul style="list-style-type: none"> <li>Color: Gray with White</li> <li>Material: Powder Coated</li> <li>Height: 151 cm</li> <li>Width: 59 cm</li> <li>Depth: 65 cm</li> </ul>	5 pieces	Classroom	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Office Cupboard</b>	<ol style="list-style-type: none"> <li>Two-door steel locker</li> <li>Size:H1850 x W900 x D450mm</li> <li>Thickness: 1.0mm</li> <li>Volume:0.178cbm</li> <li>Fitting:4shelves</li> <li>Weight:40.5kgs</li> </ol>	5	Store/ Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Glass Cupboard/Bookcase Cabinet Unit</b>	The Top Shelf to be fitted with double lockable glass door. The unit to be made of MDF Board 18mm thickness for the frame; Three Shelves.The back part on the unit should be reinforced with 18mm MDF board for rigidity and strength. Approx. dimensions of approx.	1	Office	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302

	900(l) x 440(w) x 1500(h)mm high. The Lower section (cupboard) double lockable MDF baord door. The unit to be made of MDF Board 18mm thickness for the frame; Two Shelves.The back part on the unit should be reinforced with 18mm MDF board for rigidity and strength. Approx. dimensions of approx. 900(l) x 440(w) x 900(h)mm high			FORSE302 FORTD302
<b>Shelves for equipment storage</b>	1.Size:3 x0.5 x 2m (L x W x H) 2.5 Layer full steel 3.Cold – Rolled steel plate	5	Workshop	FORFT302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Medium back officer Chairs</b>	. Passive ergonomic seating with built in lumber support .Upright locking position. . Pneumatic seat . Height adjustment .Adjustable tilt tension control colour: Black Dimensions: .Back: 24"(H) x 20"(W) .Seat: 20"(D) x 20.5"(W) .Seat Height: 18"-21"	6	Trainer’s Office	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Office Tables with drawers</b>	1.With hanging pedestal 2.Melamine faced chipboard	6	Trainer’s Office	FORFT302 FORPB302

	<p>3.Desktop and side panel:25mm  4.Modesty panel:18mm  5.Color: beech, mahogany  6.Size: 1,500 x 800 x 750mm  7. Three fully locking drawers on the right-hand side</p>			<p>FORNE302  FORFA302  FORPC302  FORPT302  FORTM302  FORSE302  FORTD302</p>
<b>Visitor chairs</b>	<p>1.Back: 20"(W) x 13"(H)  2. Seat: 20"(W) x 21"(D)  3. Seat Height: 18"  4.3" thick foam</p>	6	Trainer's Office	
<b>Student Table</b>	<p>1. Size:  Table: 1500x600x750mm  Chair: 360x360x440mm  2. Material: Plywood Fireproof board&amp;  1.2mm Thickness Tube, 22mm Tube Diameter  3. Board: Fireproofing, scratch-resistant, without contaminated  4. Metal: Epoxy Powder coated, antirust, damp proof, strong</p>	14	Classroom	<p>FORFT302  FORPB302  FORNE302  FORFA302  FORPC302  FORPT302  FORTM302  FORSE302  FORTD302</p>
<b>Table for Computer Room</b>	<p>1. Size:  Table: 1500x600x750mm  Chair: 360x360x440mm  2. Material: Plywood Fireproof board&amp;  1.2mm Thickness Tube, 22mm Tube Diameter  3. Board: Fireproofing, scratch-resistant, without contaminated  4. Metal: Epoxy Powder coated,</p>	14	ICT LAB	<p>FORFT302  FORPB302  FORNE302  FORFA302  FORPC302  FORPT302  FORTM302  FORSE302  FORTD302</p>

	antirust, damp proof, strong			
<b>Student Chairs</b>	1. Size: 2400x1200mm 2. Economy non-magnetic chalkboard on 2 sides 3. Aluminum framed, free-standing 4. whiteboard on one side and chalkboard on the other.	25	Classroom and ICT LAB	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Portable, Reversible Dry Erase Boards &amp; Chalkboards</b>	1. Size: 1800x1200mm 2. Economy non-magnetic chalkboard on 2 sides 3. Aluminum framed, free-standing 4. whiteboard on one side and chalkboard on the other.	3	Classroom, LAB and Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Papers</b>	A4	5 cartons of 5 reams each	Trainer's Office	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Pens</b>	Blue Bic	30 Packet	Trainer's Office	FORFT302 FORPB302

				FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
	Red Bic	1 Packet	Trainer's Office	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>USB discs</b>	12 GB	6 Pcs	Trainer's Office	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Stapling Machine</b>	Rapid K2, 105 mm Length	2 Pcs	Trainer's Office	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302

				FORPT302 FORTM302 FORSE302 FORTD302
<b>Staplers</b>	24/6	5 Packets	Trainer's Office	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Paper clips</b>	33mm, small Size,	1Boxe of 10 Packets	Trainer's Office	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
	55mm, Big sizes	1 Box of 10 Packets	Trainer's Office	
<b>Punching machines</b>	8Cm, Punching Capacity: 36mm With calibrated Guide	1 Pc	Trainer's Office	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302

				FORTM302 FORSE302 FORTD302
<b>Stapler removers</b>		2 Pcs	Trainer's Office	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Pencils</b>	Dolphin Super B Writer	1 Packet of 12 Pcs	Trainer's Office	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Notebooks</b>	A <sub>4</sub>	1 Carton of 60 Pcs each	Trainer's Office	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302

<b>Plastic files</b>	A4	2 Packets of 12 Pcs	Trainer's Office	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Register books</b>		6 Pcs	Trainer's Office	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Office trays</b>		6 Pcs	Trainer's Office	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Post it</b>	3" x 5"/7.6 x 12.7 Cm , 12 Pads	1 Box	Trainer's Office	FORFT302 FORPB302 FORNE302

				FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Non-permanent markers</b>	1. Dimension:D1.6 x L13.5 Cm ;2. Fiber tips and writing smoothly;3.Quick drying; 4.Good performance; 5.Non-Toxic and environmentally safe; 6.Smell favourably	10 Packets	Classroom, LAB and Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Chalks (Cartons of 36 Packets for each carton)</b>	Cartons of white colors	1Carton of white colors	Classroom, LAB and Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
	Cartons of Colors	1 Carton of Colors	Classroom, LAB and Workshop	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302

				FORTM302 FORSE302 FORTD302
<b>Square Graph          (drafting) paper (Book          of 25 papers each)</b>	A <sub>3</sub>	5 Books	Drawing room	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
	A4	5 Books	Drawing room	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Internship logbook for          trainees</b>	A4	25 logbooks	Industry	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302

<b>Internship logbook for the Industry supervisor</b>	A4	25 logbooks	industry	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302
<b>Internship logbook for school supervisor</b>	A4	25 logbooks	Industry	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302 FORTD302

## 2.2. Audio-visual materials

<b>Name and description</b>	<b>Specifications</b>	<b>Quantity</b>	<b>Type of room</b>	<b>Module code</b>
<b>Projector</b>	<ul style="list-style-type: none"> <li>• Projection System: DLP</li> <li>• Native Resolution :1080p (1920 x 1080)</li> <li>• Brightness: 5500 ANSI Lumens</li> <li>• Contrast Ratio: 3000:1 (Full on/Full off)</li> <li>• Display Color: Full 1.07 Billion Colors Palette</li> <li>• Lens: F= 2.48~2.81, f= 24.1~36.15mm</li> <li>• Aspect Ratio: Native 16:9 (5 aspect ratio selectable)</li> <li>• Throw Ratio: 1.62 ~2.43 (55.7"@ 6.6 Feet)</li> </ul>	1	Classroom	FORFT302 FORPB302 FORNE302 FORFA302 FORPC302 FORPT302 FORTM302 FORSE302

	<ul style="list-style-type: none"> <li>• Image Size Diagonal: 28" ~ 500"</li> <li>• Zoom Ratio: 1.5x</li> <li>• Lamp Type: Philips UHP 330W x2</li> <li>• Lamp Life (Normal/Eco Mode): 2000/3000 hours</li> <li>• Keystone Adjustment: 2D, Vertical &amp; Horizontal +/- 30 degrees</li> <li>• Projection Offset: V=125%±5%, H=40%±5%</li> <li>• Resolution Support: VGA (640x480) to WUXGA (1920x1200)</li> <li>• Horizontal Frequency: 31-92 kHz</li> <li>• Vertical Scan Rate: 23-85 Hz</li> <li>• HDTV Compatibility: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p</li> <li>• Video Compatibility: NTSC, PAL, SECAM, PAL 60</li> <li>• Interface: Computer In (D-Sub 15pin) x1 &amp; Monitor Out (D-Sub 15 pin) x1</li> <li>• Dimensions (WxHxD): 17.44" x 13.98" x 6.57" (443 x 355 x 167 mm)</li> <li>• Weight: ≤29 lbs (13 kgs)</li> <li>• Power Supply: AC 100 to 240 V, 50/60 Hz</li> <li>• Power Consumption: 857W (Typical), Standby &lt;1W</li> <li>• Audible Noise: 41/37/38/35 dBA (2 Lamp Normal/2 Lamp Eco/1 Lamp Normal/1 Lamp Eco)</li> <li>• Picture Mode: Cinema/Dynamic/Presentation/sRGB/User 1/User 2</li> <li>• Accessories (Standard): Remote Control w/ Battery, Power Cord, User Manual CD, Quick Start Guide, Warranty Card, VGA (D-sub 15 pin) Cable</li> <li>• Accessories (Optional): Universal Ceiling Mount: P/N: 5J.J2K01.001, Spare Lamp Kit #1 P/N: 5J.J4L05.001, #2 P/N: 5J.J4L05.021</li> </ul>			FORTD302
--	---	--	--	----------

### 2.3. Didactic materials

Name and description	Specifications	Quantity	Type of room	Module code
Tree seeds	different species	NA	Classroom	FORPB302 FORNE302 FORPT302
Matured tree photos	for trees which are not available locally	NA	classroom	FORPB302 FORNE302 FORPT302
Map	world map, Rwanda map	NA	classroom	FORTD302
seedlings	available in school nursery	NA	school nursery	FORPB302 FORNE302 FORPT302
Established nursery	permanent with different tree species	NA	school nursery	FORPB302 FORNE302 FORPT302
Established Forest	forest with different tree species		school forest	FORPB302 FORNE302 FORPT302

### 2.4. Infrastructures

The workshop must be of concrete structure. Based on class size of **25 learners**, the space requirements for the teaching/learning and circulation areas are as follows:

Type of premises	Number of rooms	Length (meters)	Width (meters)	Total surface (m <sup>2</sup> )
------------------	-----------------	-----------------	----------------	---------------------------------

Classrooms	n/a	9	7	63
Workshop/site	1	22	13	286
ICT lab	1	10	9	90
Drawing room	1	12	10	120
Storage area for consumables	1	5	6	30
Storage area for tools	1	9	7	63
Trainers' room	1	5	6	30
Nursery	1	7	6	42
School forest	1	100	100	10,000

N.B: The occupation of a training classroom is in function of a group of 25 learners for the length of the training package not considering the hours of the internship. The group of trainees is divided into 2 (12 or 13 learners per workshop).

The plans of the workshops and classrooms are annexed to the training organisation guide.

\* Total hours of occupation must be equal to the total duration of the training (excluding the duration of the internship).

\*\*The percentage of the occupation must equal 100%.

The premises that are not used in learning activities can have hours / occupation. So we will write 0 for these types of premises.