**"Annex H"**

# Inspection and Test Protocol

**I. General Procedures:**

All items will be subjected to the following procedures, whichever is applicable:

*a.* Evaluate the parameters of the goods as indicated in the specifications e.g., material, dimensions, capacity, power rating, etc. which can be found in the item's nameplate. All areas must conform to the technical specifications. *Please note that variations on dimensions without tolerance will be evaluated according to "DIN ISO 2768- T1, c (coarse)";*
b. Look for any evidence of defects such as, but not limited to, rust formation, broken parts, etc. that affects function or overall performance as a whole. All items must be free from defects;
c. Check the completeness of parts/accessories;
d. Evaluate the functionality and performance of each item. A representative from the Bidder/Supplier shall perform the functionality and performance test in the presence of the TWG.

**II. Detailed Inspection and Test Procedures:**

| Lot No. | Item No. | Description | INSPECTION and TEST PROCEDURES |
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| **Market Items** | | | |
| **1** | 1 | Chainsaw, Portable | 1. Idle Run. Start the engine and let it run idle for at least a minute. Repeat for at least 3 trials. The engine shall run continuously with the blade at rest.<br>2. Speed Test. Measure the speed using the tachometer and a reflector. Remove the cover momentarily to facilitate access on the sprocket. Attached the reflector to the sprocket. Let the engine run and measure the speed. It shall give a reading of at least 3,000 rev/minute.<br>3. Functionality Test. Take note of the initial condition of its cutter. Conduct actual cutting of the coco lumber with the size at least 6"x6"x6' across and along the grain. It shall cut the lumber with minimal effort without permanent deformation on cutter, blade and on the chain saw as a whole.<br><br>*Needed tools & materials: ruler (measuring instruments), tachometer, gasoline and coco-lumber 6"x6"x6' minimum size (shall be provided by the Bidder/Supplier during test).* |
| | 2 | Cutter, Grass | **Functionality test**<br>1. Administer mandatory functional testing by running the machine for fifteen minutes based on the specified operating procedure to determine that it is fully serviceable<br>2. Measure the idling speed (rpm) by using the tachometer<br>3. Monitor the engine for any abnormalities and irregular noise in engine bearing<br>4. Execute endurance testing for a series of five test runs with one minute each to determine how the machine behaves under sustained use<br>5. Turn On and Off method is applied.<br>**Load testing by actual cutting of grass**<br>6. The supplier should perform the actual demonstration and technique on how to use the machine |
| | 3 | Mower, Lawn | **Functionality test**<br>1. Administer mandatory functional testing by running the machine for fifteen minutes based on the specified operating procedure to determine that it is fully serviceable<br>2. Measure the idling speed (rpm) by using the tachometer<br>3. Monitor the engine for any abnormalities and irregular noise in engine bearing |

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| | | | 4. Execute endurance testing for a series of five test runs with one minute each to determine how the machine behaves under sustained use<br>5. Turn On and Off method is applied.<br>**Load testing by actual cutting of grass**<br>6. The supplier should perform the actual demonstration and technique on how to use the machine |
| | 4 | Sprayer, Power | Refer to the general procedures. |
| | 5 | Tractor, Hand, with Implements | a) Start the engine for five (5) minutes and switch it "OFF". After two (2) minutes start again the engine and repeat the same procedure three (3) times. There must be no strange sound like thumps or clunks.<br>b) Check each agricultural implement such as; single furrow plough, disc plough, and rototiller. It must fit to the linkage of the equipment either by towing behind or mounting. Perform the functionality test using each agricultural implement on a 2 ft. x 20 ft. plot. Each implement must function as intended. The single furrow plough and disc plough must be able to turn over the uppermost soil. The rototiller must turn the ground as it's pushed, break up large deposits, and kill weeds at the surface.<br><br>*Materials: Tape rule (Measuring Instruments)* |
| **2** | 1 | Dough Roller, Mechanical | **Functionality test**<br>1. Administer mandatory functional testing by running the machine for fifteen minutes based on the specified operating procedure to determine that it is fully serviceable<br>2. Measure the load current ampere using a clamp meter.<br>3. Monitor the motor without any abnormalities and irregular noise in motor bearing<br>4. Execute endurance testing for a series of five test runs with one minute each to determine how the machine behaves under sustained use<br>5. Turn On and Off method is applied.<br>**Load testing**<br>6. The supplier should perform the actual demonstration in dough load testing and provide dough at least 5 kilos of flour use for testing |
| | 2 | Mixer, Stand, Commercial (With complete attachment | **Functionality test**<br>1. administer mandatory functional testing by running the machine for fifteen minutes based on the specified operating procedure to determine that it is fully serviceable<br>2. Measure the load current ampere using a clamp meter<br>3. Monitor all moving parts without any abnormalities and irregular noise in motor bearing<br>4. Execute endurance testing for a series of five test runs with one minute each to determine how the machine behaves under sustained use<br>5. Turn On and Off method is applied<br>**Load Testing using the three (3) attachments:**<br>a. by using the aluminum dough hook<br>b. by using the stainless wire whip<br>c. by using the aluminum flat beater<br>*Note: The supplier should perform the actual demonstration in dough load testing and also provide at least 5 kilos of flour use for testing* |
| | 3 | Oven, Decker | **Functionality test**<br>1. administer mandatory functionality testing based on the operating instructions. The following tests are as follows: a. Ignition system test, b. Gas leak test of LPG regulator and hose using soap and water<br>2. execute endurance testing for a series of five test runs for one minute each to determine how the equipment behaves under sustained use.<br>3. Temperature range from 0 to at least 350 degrees centigrade<br>4. Measure the temperature using infrared thermometer |

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| | | | 5. Monitor the machine without any abnormalities and irregular noise<br>**Load testing**<br>6. The supplier should perform the actual demonstration and provide raw materials needed like dough, etc. for load testing |
| **3** | 1 | Combination Boiler and Griddle | **Functionality test:**<br>1. administer mandatory functionality testing based on the operating instructions. The following tests are as follows: a. Ignition system test, b. Gas leak test of LPG regulator and hose using soap and water<br>2. execute endurance testing for a series of five test runs for one minute each to determine how the equipment behaves under sustained use<br>3. Monitor the machine without any abnormalities and irregular noise<br>**Load testing**<br>4. The supplier should perform the actual demonstration and provide raw materials needed for cooking/testing |
| | 2 | Gas Range with Oven, 4 burners | **Functionality test:**<br>1. administer mandatory functionality testing based on the operating instructions. The following tests are as follows: a. Automatic electronic Ignition system test, b. Gas leak test of LPG regulator and hose using soap and water<br>2. execute endurance testing in every burner for a series of five test runs for one minute each to determine how the equipment behaves under sustained use<br>3. Monitor the machine without any abnormalities and irregular noise<br>4. Temperature range from 0 to at least 250 degrees centigrade<br>5. Measure the temperature of the oven by using the infrared thermometer<br>**Load testing:**<br>6. The supplier should perform the actual demonstration on how to use and provide any kitchen utensil and raw materials for cooking test. |
| | 3 | Griller, Salamander | **Functionality test:**<br>1. administer mandatory functional testing by running the machine for fifteen minutes based on the specified operating procedure to determine that it is fully serviceable<br>2. Measure the load current ampere using a clamp meter.<br>3. Monitor the unit without any abnormalities and irregular noise<br>4. Execute endurance testing for a series of five test runs with one minute each to determine how the machine behaves under sustained use<br>5. Turn On and Off method is applied.<br>**Load testing:**<br>6. The supplier should perform the actual demonstration on how to use and provide any raw material for cooking test |
| | 4 | Meat Chopper Machine | **Functionality test:**<br>1. administer mandatory functional testing by running the machine for fifteen minutes based on the specified operating procedure to determine that it is fully serviceable<br>2. Measure the load current ampere using a clamp meter.<br>3. Monitor the motor without any abnormalities and irregular noise in motor bearing<br>4. Execute endurance testing for a series of five test runs with one minute each to determine how the machine behaves under sustained use<br>5. Turn On and Off method is applied.<br>**Load testing:**<br>6. The supplier should perform the actual demonstration in load testing and provide raw materials for testing |
| | 5 | Stock Pan Burner | **Functionality test:**<br>1. administer mandatory functionality testing based on the operating instructions as follows: Turn on the gas |

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| | | | and have a leak test on the LPG regulator and hose using soap and water<br>2. Execute endurance testing for a series of five test runs for one minute each to determine how the equipment behaves under sustained use<br>3. Monitor the burner without any abnormalities and irregular noise<br>**Load testing:**<br>4. The supplier should perform the actual demonstration on how to use and provide any kitchen utensil and raw materials for cooking test. |
| **4** | 1 | Clamp Ammeter, Digital | 1. Operate the clamp ammeter in accordance with the accompanying user's manual. Conduct actual measurement and verify the following:<br>a. AC Ampere - Connect an electrical appliance/equipment to the mains/household outlet via the extension outlet (with provision of clamping the meter on one of its line) e.g., refrigerator, heater, flat iron, etc. Clamp the ammeter on the extension line. With the appliance run in full swing, the display shall read 50 to 100% of the rated current or quotient of rated power divided by 220V (the mains voltage);<br>b. AC Volt of mains/household outlet - the reading shall within 220 to 240VAC;<br>c. Hz of mains/household outlet - the readings shall within 57 to 63 Hz<br>d. DC Volt of 2 fresh dry cell (rated 1.5V) connected in series - the reading shall within 3.0 to 3.4VDC;<br>2. Verify the features other than mentioned in step 1 are serviceable.<br><br>*Needed tools & materials: ruler, mains/household outlet, appliance/equipment (refrigerator, heater, flat iron, etc.), fresh dry cell (1.5V), resistor* |
| | 2 | Multimeter, Digital | 1. Operate the multimeter in accordance with the accompanying user's manual. Conduct actual measurement and verify the following:<br>a. AC Voltage of mains/household outlet - the reading shall within 220 to 240VAC;<br>b. Hz of mains/household outlet - the readings shall within 57 to 63 Hz and<br>c. DC Voltage of 1 fresh dry cell (rated 1.5V) connected in series - the reading shall within 1.5 to 1.7VDC<br>2. Check the features other than mentioned in step 1 are serviceable.<br>*Needed tools & materials: ruler, mains/household outlet, dry cell (1.5V), capacitor, resistor, diode* |
| | 3 | Tester, Earth Resistance | Operate the earth resistance tester in accordance with the accompanying user's manual. Conduct actual measurement and verify the features stipulated in the specification. The tester and its accessories must demonstrate its effective use.<br><br>*Needed tools & materials: ruler (measuring instruments), 1 - spike earth probe (shall be provided by the Bidder/Supplier)* |
| | 4 | Tester, Insulation Resistance | 1. Operate the insulation resistance tester in accordance with the accompanying user's manual. Prepare a digital multimeter in DCV setting. Turn on the insulation resistance tester and set it to a test voltage e.g. 500V. Verify the test voltage at E (Earth) and L (line) terminal using the multimeter. It must give a reading in multimeter of 500V +/- 12%. Repeat for the 1000V test voltage as the maximum.<br>2. Conduct sample measurement using at least 3 single electrical wire AWG# 12. Prepare a pale of water. First, immerse the insulated portion of the wires with the ends keep hang dry. Place one test probe on water and the other prove on the wire conductor. Measure the resistance and Take note the resistance readings. If the wire has good insulation the tester will give a reading in Megaohms. Next, make a thin slit of the insulation on one of the wires with the highest Ohm reading in the |

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| | | | first step in order for the water to seep into the conductor. Take the resistance measurement of the slitted wire again. It must give a reading of much lesser resistance.<br><br>*Needed tools & materials: ruler (measuring instruments), 1 unit digital multimeter* |
| **5** | 1 | Gas Cutting Machine, Automatic | a) Functionality Test:<br>1. Connect the hoses properly to the torch and to the distributor. Use soap solution to check for leaks; There must be no gas leakage from the distributor to the gas valves;<br>2. Perform linear and circular cutting operation on a 10 inches x 10 inches (1" thick) steel plate. The machine must be able to cut continuously without any glitches.<br><br>*Material: Tape rule, Steel plate 1" thick x 10 inches x 10 inches, Oxy-acetylene goggles, Fire Extinguisher* |
| | 2 | Hacksaw, Power | a) Functionality Test:<br>1) Switch "ON" the machine for five (5) minutes and switch it "OFF". After two (2) minutes, repeat the same procedure three (3) times. There must be no abnormalities while the machine is running.<br>2) Clamp a 50mm diameter x 300mm Mild Steel shaft into the vise. Check if the workpiece is secured properly.<br>3) Check if the blade is properly mounted on the hacksaw frame or arm.<br>4) Tap on the cooling pipe lever to activate the coolant. The coolant pump must be operating correctly.<br>5) Perform cutting operation. Observe the feeding mechanism of the machine. The blade must be able to cut through the entire diameter of the workpiece without any damage to the blade and the machine.<br><br>*Material: Tape rule, cylindrical shaft 50mm diameter x 300mm, Safety goggles* |
| | 3 | Oven, Electrode, Portable | a) Open the lid of the electrode oven first before switching-on to the source to avoid smoke coming from the cylinder.<br>b) Check the lid is properly sealed and no heat shall come out while heating.<br>c) Check the thermostat setting to the standard thermometer. The thermostat reading must be ± 3 degrees to the standard thermometer.<br>d) Perform product evaluation by inserting at least 10(ten) lbs. of electrodes and pre-heat.<br><br>*Material: Tape rule, 10 lbs. electrode, thermometer* |
| | 4 | Welding Machine, Arc, AC/DC with Accessories | a) Check carefully the contents of the standard packaged of the machine before assembly.<br>b) Ensure that the machine have the correct gas regulator, flow meter and it is safe to use.<br>c) Inspect the condition and insulation on all leads and clamps before use.<br>d) Check the water line and air flow when the engine is turned "ON".<br>e) Perform welding process using different wire type: (Solid-core wire and Flux-core wire)<br>1. Stainless Steel<br>2. Aluminum<br><br>*Materials: Tape rule, Stainless steel plate, Aluminum plate, Welding safety apparels* |
| | 5 | Welding Machine, GTAW, with Accessories | a) Check carefully the contents of the standard packaged of the machine before assembly.<br>b) Ensure that the machine have the correct pressure reducing valve, gas flow meter and it is safe to use.<br>c) Inspect the condition and insulation on all leads and clamps before use.<br>d) Check the water line and air flow when the engine is turned "ON". |

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| | | | e) Perform welding process of the following materials:<br>1. Stainless Steel<br>2. Aluminum<br><br>*Materials: Tape rule, Stainless steel plate, Aluminum plate, Welding safety apparels* |
| | 6 | Welding Positioner | a) Check the flexibility of the machine by tilting the working table to vertical (90°) and horizontal (0°) position.<br>b) Check endurance of the motor with a series of test runs. Rotating On and Off method is controlled using the foot switch. The turntable of the machine shall rotate smoothly and stable.<br>c) Perform welding applications for steel pipe and welding flange<br><br>*Material: Tape rule, Steel pipe 4" x 500mm, Steel flange* |
| **6** | 1 | Freezer, Reach-in | **Functionality test:**<br>1. administer mandatory Functional Testing by running the machine for 40 minutes to one hour based on the specified operating procedures to determine that it is fully serviceable, particularly for the unit to deliver its specified freezing temperature<br>2. Measure the load current ampere using a clamp meter.<br>3. Temperature setting at least -18°C<br>4. Monitor the motor without any abnormalities and irregular noise<br>5. Execute endurance testing for a series of five test runs with one minute each to determine how the machine behaves under sustained use<br>6. Turn On and Off method is applied.<br>**Load testing:**<br>7. The supplier should provide any beverage or water in can or in bottle use for load testing |
| | 2 | Freezer, Upright | **Functionality test**<br>1. administer mandatory Functional Testing by running the machine for 40 minutes to one hour based on the specified operating procedures to determine that it is fully serviceable, particularly for the unit to deliver its specified freezing temperature<br>2. Measure the load current ampere using a clamp meter.<br>3. Monitor the motor without any abnormalities and irregular noise<br>4. Execute endurance testing for a series of five test runs with one minute each to determine how the machine behaves under sustained use<br>5. Turn On and Off method is applied.<br>**Load testing**<br>6. The supplier should provide any beverage or water in can or in bottle use for load testing |
| | 3 | Refrigerator, 7 cu. Ft. | **Functionality test**<br>1. administer mandatory Functional Testing by running the machine for 40 minutes to one hour based on the specified operating procedures to determine that it is fully serviceable, particularly for the unit to deliver its specified freezing temperature<br>2. Measure the load current ampere using a clamp meter.<br>3. Monitor the motor without any abnormalities and irregular noise<br>4. Execute endurance testing for a series of five test runs with one minute each to determine how the machine behaves under sustained use<br>5. Turn On and Off method is applied.<br>**Load testing**<br>6. The supplier should provide any beverage or water in can or in bottle use for load testing |
| | 4 | Refrigerator, Reach-in | **Functionality test:**<br>1. administer mandatory Functional Testing by running the machine for 40 minutes to one hour based on the specified operating procedures to determine that it is |

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| | | | fully serviceable, particularly for the unit to deliver its specified freezing temperature<br>2. Measure the load current ampere using a clamp meter.<br>3. Temperature Range: 0ºC to 10ºC<br>4. Monitor the motor without any abnormalities and irregular noise<br>5. Execute endurance testing for a series of five test runs with one minute each to determine how the machine behaves under sustained use<br>6. Turn On and Off method is applied.<br>**Load testing:**<br>7. The supplier should provide any beverage or water in can or in bottle use for load testing |
| **7** | 1 | 3 Thread Overlock | 1. Operate the machine in accordance with the accompanying manual. Turn on and let it run without thread for a minute, in 3 consecutive repetitions. There shall no strange sound like thumps or clunks and sign of melting especially electrical parts.<br>2. Conduct edging/hemming/seaming fabric and demonstrate adjustment of stitch length and thread tension to at least two 2 different fabric thickness. Moreover, it shall also trim excess fabric along the edges to prevent fraying, no thread breaks, skipped stitches, loose stitch nor uneven stitches.<br>3. Speed. Use the tachometer and reflector to measure stitch speed. Attach the reflector to a part directly connected to the needle with no obstruction. Run the machine free (without thread) and take the measurement. It shall give a tachometer reading of at least 1200 stiches or cycle per minute.<br><br>*Needed tools & materials: ruler, tachometer, 2 fabric of different thickness (shall be provided by the Bidder/Supplier during test)* |
| | 2 | Bar Tack Machine | 1. Operate the machine in accordance with the accompanying manual. Turn on and let it run without thread for a minute, for a minute in 3 consecutive repetitions. There shall no strange sound like thumps or clunks and sign of melting especially electrical parts.<br>2. Conduct sewing to at least two 2 straps of different fabric with overall thickness of at least 5mm. There shall no thread bunching on either side of the fabric, skipped stitches, loose stitch nor the seams appear stretch and wavy.<br>3. Speed. Use the tachometer and reflector to measure stitch speed. Attach the reflector to a part directly connected to the needle with no obstruction. Run the machine free (without thread) and take the measurement. It shall give a tachometer reading of at least 1500 stitches or cycle per minute.<br><br>*Needed tools & materials: ruler, tachometer, 2 fabric of different thickness (shall be provided by the Bidder/Supplier during test)* |
| | 3 | Feed off the Arm | 1. Operate the machine in accordance to the accompanying manual. Turn on and let it run without thread for a minute, for a minute in 3 consecutive repetitions. There shall no strange sound like thumps or clunks and sign of melting especially electrical parts.<br>2. Conduct sewing on heavy fabric like denim. It shall demonstrate stitching while folding the pair of denims in different stitch length as specified. There shall no thread breaks, skipped stitches, loose stitch nor uneven stitches.<br>3. Speed. Use the tachometer and reflector to measure stitch speed. Attach the reflector to a part directly connected to the needle with no obstruction. Run the machine free (without thread) and take the measurement. It shall give a tachometer reading of at least 1800 stiches or cycle per minute.<br><br>*Needed tools & materials: ruler, tachometer, denims (shall be provided by the Bidder/Supplier during test)* |

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| | 4 | Single Needle Lockstitch Machine | 1. Operate the machine in accordance with the accompanying manual. Turn on and let it run without thread for a minute, for a minute in 3 consecutive repetitions. There shall no strange sound like thumps or clunks and sign of melting especially electrical parts.<br>2. Conduct sewing fabric and demonstrate adjustment of stitch length and thread tension to at least two 2 different fabric thickness. Moreover, it shall have no thread breaks, skipped stitches, loose stitch nor uneven stitches.<br>3. Speed. Use the tachometer and reflector to measure stitch speed. Attach the reflector to a part directly connected to the needle with no obstruction. Run the machine free (without thread) and take the measurement. It shall give a tachometer reading of at least 1200 stiches or cycle per minute.<br><br>*Needed tools & materials: ruler, tachometer, 2 fabric of different thickness (shall be provided by the Bidder/ Supplier during test)* |
| **Information Technology Devices and Accessories** | | | |
| **8** | 1 | CCTV System | Operate the CCTV system in accordance with the accompanying user's manual. Complete the setup of the CCTV system in a room with at least 8 cameras running. Run the system and record 3 minutes of each camera/scenarios given below. After the recording of scenarios, play it back. It must display a distinguishable image of a person even in poorly lit room.<br>a. somebody going away and coming towards the camera in the perimeter at daylight and,<br>b. somebody facing the camera on the opposite side of poorly lit or darken room.<br><br>*Needed tools & materials: ruler (measuring instruments)* |
| | 2 | Computer, Laptop | 1. Operate the laptop computer in accordance with its user's manual. Turn on the laptop, take access and view its full specifications on the screen. Crosscheck the specifications displayed on the screen with the required specification. The laptop computer shall at least meet the minimum of the required specifications.<br>2. Optical Drive. Place CD (with data information or software) in the drive. It shall read, process, store, display data information in the CD of at least the following: a) driver and software of printer/plotter, b) CAD, c) windows file, d) MS Excel file, e) video and audio.<br>3. Moreover, verify the rest of the features e.g., built-in camera, Ethernet connection, wireless LAN, Bluetooth, keyboard, wireless mouse, touch pad, power adapter, etc.<br><br>*Needed tools & materials: ruler, CD containing a) driver and software of printer/ plotter, b) CAD, c) windows file, d) MS Excel file, e) video and audio, HDMI cable, Ethernet cable, internet access via Wifi and Ethernet, device with bluetooth e.g., cellphone.* |
| | 3 | Plotter | Operate the Plotter in accordance with the accompanying user's manual. Prepare a PC with Microsoft Windows 10/8/7 and CAD drawing file. Set up the Plotter and its accessories with the PC. Install the drivers and software from the accompanying CD. Let the Plotter print the CAD drawing of at least 3 print sheets. Check and verify the following:<br>a. It shall consistently produce clean and clear print without crumping/folding the paper or glitches and<br>b. in at least 45 seconds a page.<br><br>*Needed tools & materials: ruler (measuring instruments)* |
| | 4 | Printer | Operate the Printer in accordance with its user's manual. Connect it to the PC. Install the drivers and software. Let it run and verify performance of the features stipulated in the specifications e.g., a) print |

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| | | | functions, b) print speed (as per ISO/IEC 24734), c) copy functions (as per ISO 29183), d) scan functions, e) Connectivity, f) paper formats, etc. (Refer to the specifications.)<br><br>*Needed tools & materials: ruler (measuring instruments)* |
| | 5 | Smart TV | 1. Operate the Smart TV in accordance with the accompanying user's manual. Turn "On" and "Off" for at least 3 repetitions, and it shall respond accordingly and consistent.<br>2. Connectivity. Check each connection port stipulated the specification are serviceable e.g., USB, HDMI, Ethernet, BlueTooth, Wi-Fi, component and composite video. The TV shall display the data/information (images, audio, videos) from external source.<br>3. Brightness and Volume. While the TV displays data/information adjust the display brightness and volume. It shall be set to display from dark to brightest and from silent to loud respectively.<br><br>*Needed tools & materials: ruler, (shall be provided by the Bidder/Supplier during test: PC/lap top, HDMI cable, composite cable, ethernet cable, USB with video file, etc.)* |
| **Mass Production** | | | |
| **9** | 1 | Cabinet, Design 1 (Storage/tool Cabinet) | 1. Conduct paint testing (for powder-coated surface). To determine whether the item is powder-coated, moistened the cotton with denatured alcohol and rub it on the surface. The cotton shall not stain with paint<br>2. Assemble the cabinet.<br>3. Fastened joints using rivets and bolts with nuts.<br>4. Count/measure the number of holes for rivets, the size and the bolts with nuts.<br>5. Do the dimensional inspection of the assembly. Measure the height, width, depth, length.<br>6. Inspect the doors gap with respect to the frame, the thickness of the transparent Flexi-glass (acrylic), and the presence of the rubber linings.<br>7. Inspect the functionality of the three-way door lock and its keys, door handles, and hinges if it is complying with the technical specifications.<br>8. Spot welded surface must be properly polish.<br>9. Check the uprightness of the assembly when laid on a flat surface.<br>10. Check the alignment of the holes (for the detachable shelves support) both vertically and horizontally.<br>11. Render product stability, rigidity, and durability by placing a weight on the top surface of the shelves of at least 50 kg. If it "FAILS", it will be the basis for the rejection of the item.<br>12. The assembled cabinet will be subjected to stress test by moving it sideways, forward, backward and tilt to approximately 30 degrees in both ways from the vertical position.<br><br>*Material: Tape rule, Vernier caliper, outside micrometer* |
| | 2 | Cabinet, Design 2 (Condiment Cabinet) | 1. Conduct material testing for stainless steel. To determine whether the material is stainless steel 304, use a magnet. The magnet shall not attract the material used.<br>2. Assemble the cabinet.<br>3. Fastened joints using rivets and bolts with nuts.<br>4. Count/measure the number of holes for rivets, the size and the bolts with nuts.<br>5.Do the dimensional inspection of the assembly. Measure the height, width, depth, length.<br>6. Inspect the doors gap with respect to the frame, the thickness of the transparent Flexi-glass (acrylic), and the presence of the rubber linings.<br>7. Inspect the functionality of the three-way door lock and its keys, door handles, and hinges if it is complying with the technical specifications.<br>8. Spot welded surface must be properly polish. |

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| | | | 9. Check the uprightness of the assembly when laid on a flat surface.<br>10. Check the alignment of the holes (for the detachable shelves support) both vertically and horizontally.<br>11. Render product stability, rigidity, and durability by placing a weight on the top surface of the shelves of at least 50 kg. If it "FAILS", it will be the basis for the rejection of the item.<br>12. The assembled cabinet will be subjected to stress test by moving it sideways, forward, backward and tilt to approximately 30 degrees in both ways from the vertical position.<br><br>*Material: Tape rule, Vernier caliper, magnet, outside micrometer* |
| | 3 | Cabinet, Design 3 (Display Cabinet) | 1. Conduct paint testing (for powder-coated surface).<br>To determine whether the item is powder-coated, moistened the cotton with denatured alcohol and rub it on the surface. The cotton shall not stain with paint.<br>2. Assemble the cabinet.<br>3. Fastened joints using rivets and bolts with nuts.<br>4. Count/measure the number of holes for rivets, the size and the bolts with nuts.<br>5.Do the dimensional inspection of the assembly. Measure the height, width, depth, length.<br>6. Inspect the doors gap with respect to the frame, the thickness of the transparent Flexi-glass (acrylic), and the presence of the rubber linings.<br>7. Inspect the functionality of the three-way door lock and its keys, door handles, and hinges if it is complying with the technical specifications.<br>8. Spot welded surface must be properly polish.<br>9. Check the uprightness of the assembly when laid on a flat surface.<br>10. Check the alignment of the holes (for the detachable shelves support) both vertically and horizontally.<br>11. Render product stability, rigidity, and durability by placing a weight on the top surface of the shelves of at least 50 kg. If it "FAILS", it will be the basis for the rejection of the item.<br>12. The assembled cabinet will be subjected to stress test by moving it sideways, forward, backward and tilt to approximately 30 degrees in both ways from the vertical position.<br><br>*Material: Tape rule, Vernier caliper, outside micrometer* |
| | 4 | Cabinet, Design 4 (Filing Cabinet) | 1. Conduct paint testing (for powder-coated surface).<br>To determine whether the item is powder-coated, moistened the cotton with denatured alcohol and rub it on the surface. The cotton shall not stain with paint.<br>2. Do the dimensional inspection of the assembly. Measure the height, width, depth, length.<br>3. The drawers shall operate smoothly, noise-free, and easy to pull and push.<br>4. Check the label holder of the drawer above the handle.<br>5. Check the centralized locking system and its key. It shall lock and unlock smoothly.<br>6.The assembled cabinet will be subjected to stress test by moving it sideways, forward, backward and tilt to approximately 30 degrees in both ways from the vertical position.<br><br>*Material: Tape rule, Vernier caliper, outside micrometer* |
| | 5 | Cabinet, Design 5 (First Aid Cabinet) | 1. Conduct material testing for stainless steel.<br>To determine whether the material is stainless steel 304, use a magnet.<br>The magnet shall not attract the material used.<br>2. Do the dimensional inspection of the assembly. Measure the height, width, depth, length.<br>3. Inspect the doors gap with respect to the frame and the thickness of the frost-glass with a clear sign of a cross at the center. |

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| | | | 4. Check the provision of a mounting hole at the back of the cabinet.<br>5. Inspect the door lock and key.<br>6. Slightly push or pull the magnetic glass door when closing and opening the cabinet.<br><br>*Material: Tape rule, magnet, outside micrometer, Vernier caliper* |
| | 6 | Cabinet, Design 1 (Waiter Station Cabinet) | 1. Conduct material testing for stainless steel.<br>To determine whether the material is stainless steel 304, use a magnet.<br>The magnet shall not attract the material used.<br>2. Do the dimensional inspection of the assembly.<br>Measure the height, width, depth, length.<br>3. The drawers shall operate smoothly, noise-free, and easy to pull and push.<br>4. Check the drawers and door of the cabinet individual locks. The cabinet door and drawers shall be easily close or open using each keys.<br><br>*Material: Tape rule, magnet, outside micrometer, Vernier caliper* |
| | 7 | Work Bench with Bench Vise on Four Corners | 1. Do dimensional inspection of the materials used such as angular bar and steel plate,<br>2. Inspect the work bench frame is fully welded except for the top plate which the weld is stitch.<br>3. Check the whole work bench is painted with acrylic gray.<br>4. Check the welding vise is mounted in four corners of the bench with bolts and nuts. The bolts and nuts shall securely fasten the vise.<br>5. Check the bench vise requirements as per technical specifications.<br><br>*Materials: Tape rule, Wrenches, Vernier caliper* |