## **Inspection and Test Protocol**

## I. General Procedures:

## Note: The BAC shall set the location and time of the sample submission.

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.
- 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. During the conduct of evaluation or inspection of the offered goods, the bidder supplier shall provide one or two technical representative/s, and the tools and materials needed listed below. The supplier/technical representative shall be responsible in the preparation and operation of the goods and assist the TWG in the conduct of the evaluation.

It P	em Io.	I	Descriptio	on		INSPE	CTION and TE	ST PROCEDU	PROCEDURES         pecified in the Technical         Test and CPUID CPU-Z. Bidders         an fully charged for purposes of         EVALUATION       COMPLIANCE (Comply / Not Comply)         DETAILS       / COMMENTS					
INFORMATION TECHNOLOGY DEVICES AND ACCESSORIES (MI-LOT 1)														
	INSTRUCTION TO BIDDERS:													
1		Lapto	p Comput	er	Bidders are exp Specifications, are expected to testing.	pected to ir as well as bring Lap	nstall all softwar Pass Mark Moni tops that have b	e specified in t tor Test and C een fully char	he Technical PUID CPU-Z ged for purpo	. Bidders ses of				
:	DEV INFORI	VICE MATION	ITEMS	P	ROCEDURE	PA	RAMETER	EVALUATION DETAILS	COMPLIANCE (Comply / Not Comply)	REMARKS / COMMENTS				
1	1 LAPTOP PC POWER		TOP Battery VER		up a laptop. e laptop must fully charged). In off screen er and set ghtness at idle level. move the power d from the top. twe for 30 mutes, take e of the time rted.	Battery indicator	Battery indicator of Laptop should be at least 90% after 30 minutes.							
2	2 LAPTOP BIOS		BIOS inform ation	<ul> <li>Acc me: BIC</li> <li>Entusi Key</li> <li>Cho</li> <li>Cho</li> </ul>	eess the BIOS nus using the OS Key. ter to BIOS ng function 7. eck CPU cores 1 frequency. eck RAM size.	CPU& RAM	PROCESSOR CORE: If 10-Cores & 12- Threads 12MB cache Or If 6-Cores & 12-Threads 16MB cache RAM: 2 X 4GB DDR4							
3	B LA HA AF	APTOP ARDW RE	CPU Memory	<ul> <li>Cha Con</li> <li>Cha Fre</li> <li>Cha</li> </ul>	eck hardware nfiguration. eck CPU quency. eck RAM size.	CPU& RAM	PROCESSOR CORE: 1.3Ghz Base Speed Or 2.3Ghz Base Speed RAM: Min 8GB							
4	LA ST	PTOP ORAGE	Solid- state	Ope Sys <u>G</u> o	en Operating stem. to disk	SSD partition	SSD must have three (3) partitions for:							

## II. Detailed Inspection and Test Procedures:

			drive (SSD)	<ul><li>management and check the size of the SSD.</li><li>Check the partition of the drive.</li></ul>	and capacity	<ol> <li>system (local C) and</li> <li>recovery (local D)</li> <li>data (Local E)</li> <li>The combined SSD capacity of (local C), (local D) and (local E)</li> <li>should not be below 480GB.</li> </ol>			
5 LAPTOP MONITOR		PTOP DNITOR	LCD/ LED	Run Pass Mark Monitor Test	High Contrast Black	ON BLACK: There should be no: 1. bright dot; 2. white dot; and 3. light leakage in the laptop			
					High Contrast White	ON WHITE: There should be no: 1. dark dot; 2. yellow mark; 3. ripple mark; 4. light leakage in the laptop			
6	5 LA SC RE TI	.PTOP CREEN CSOLU ON	Resolu tion	<ul> <li>Open Display Settings</li> <li>Under Scale and Layout look for the display resolution drop-down.</li> <li>Take note of the resolution listed.</li> </ul>	Display Resoluti on	Resolution: able to set screen resolution at 1920 x 1080 (Full HD)			
2	2 P		r	<ul> <li>Operate</li> <li>Prepare</li> <li>Set up t software</li> <li>Let the and veri a) It s cru b) in a</li> </ul>	the Plotter in a PC with M he Plotter an from the ac Plotter print fy the followinall consister mping/foldir t least 45 se & materials:	n accordance wir icrosoft Window: d its accessories companying CD. the CAD drawing ng: ntly produce clea ng the paper or g conds a page.	th the accomp s 10/8/7 and s with the PC. g of at least 3 p an and clear p ditches and, <i>vings, PC, prin</i>	anying user's CAD drawing Install the dr print sheets. rint without t papers (shai	manual. file. tivers and Check
3 Printer			r	provided by         The approve         the results in         •         initialized ar         •       Con         •       Che         using that h         •       Sca         the highest s         properties ->         •       Che         brand/mode         •       Fit         •       Fit         •       In t         printer prefe	It esupplier) I technical s a this test. or to the insp d installed to installed to incer to a Wi ick the higher ghest resolution Details ick the print l official web a standard A 100 sheets of the windows rences	pecification shal ection the printe o a Windows PC/Lapte est printing resol tion settings nent as image/Ji on then check fo speed and highe site, brochure, a 4 size paper in t f A4/64 gsm pape PC/Laptop chec	l be used to cher should have /Laptop op via USB ution and test PG to a Windo r the image re est copy resolund other littera he flatbed oper into the inject into the out k for the acception	heck the confi been already print an ima ws PC/Lapto solution in the solution in the pr ature. put tray put tray put tray	prmity of ge file p using e File cinter's

		Print using different paper media in conformance to the technical
		<ul> <li>specifications</li> <li>Connect and print to the printer via Wi-Fi and Wi-Fi Direct</li> <li>Print using the printer's mobile print application using an android</li> </ul>
		<ul> <li>smartphone</li> <li>Browse the internet for the printer's brand official website and pavirate to the specific model were printer drivers and related softwares can</li> </ul>
		<ul> <li>be downloaded</li> <li>Check the completeness of the printer package as indicated in the</li> </ul>
		technical specification
		Inspection and Testing Tools and Equipment Needed: • Windows PC/Laptop
		<ul> <li>Image File to be printed</li> <li>100 sheets of A4 size, 64 gsm plain bond paper</li> <li>2 missing a structure of a shere a structure structure in the technical</li> </ul>
		• Spieces plan paper of each paper sizes enumerated in the technical specifications
		specifications • Wi-Fi router
		Android smartphone
		The approved technical specification shall be used to check the conformity of the results in this test.
		• Connect the TV as an external display monitor of a Windows
		PC/Laptop using each of the HDMI ports then check the extended display resolution on Start Button -> Settings -> Display -> Screen Resolution
		Measure the screen size using a meter tape
		Read/Play media files from a USB Flash Drive
		Connect to the internet via ethernet connection     Connect to the internet via Wi-Fi connection
1	Smort TV	Connect a smartphone or other control devices via Bluetooth
т		Check Operating System and its version
		Inspection and Testing Tools and Equipment Needed:
		Windows PC/Laptop with HDMI external display port     Appropriate HDMI cable for external display
		Meter Tape
		USB Flash Drive with media files
		Ethernet Cable     Wi-Fi router with ethernet ports
		Smartphone or other Bluetooth control device
MASS F	PRODUCTION OF CABINI	ETS
(See An	nex B of the Bidding Docu	ments)
BREAD (MI-LO'	AND PASTRY AND COO Γ 3)	KERY EQUIPMENT
1	Stand Mixer with	Functional Specifications:
	Complete Attachment	<ol> <li>Check functionality by doing three 5-minute test runs with the wire whick and flat begter using 2 liters of water as medium.</li> </ol>
		2. Check the variable speeds by switching from low to high speed. There
		must be a noticeable increase in the speed. Refer to the User's Manual
		provided.
		<ol> <li>Equipment much random as interfacta.</li> <li>For the dough hook, proceed to protocol for performance specification.</li> </ol>
		Performance Specifications:
		Equipment must be able to knead 1 kilogram of dough (minimum). Bidder will
		provide the ingredients (like flour, milk, butter, yeast, sugar, and salt) for a simple bread recipe such as pan de sal, cheese bread, etc. The resulting
		weight of the ingredients must be equal to 1 kilogram.
		Design Specifications:
		<ol> <li>Perform visual inspection of the item;</li> <li>Bidder must provide manufacturer's certification that the howl material is</li> </ol>
		Food-grade and made of stainless steel;
		3. Use the contents of four 1-liter bottles of store-bought mineral water to
		cneck the bowl capacity. The water should not overflow from the bowl; 4. Look for the Rated Power on the "namenlate" Double-check by measuring
		the amperage while performing the performance specification protocol
		using the Clamp Meter. Compute for the wattage using the formula:
		watts (w) = Amps (A) x volts (V) 5. Look for the voltage rating in the "nameplate"
		6. Perform visual inspection of the power cord and plug to determine the
		type A plug or plug adapter;

		7 Destance viewel in substitute of the attachments. Didden must repeated
		7. Perform visual inspection of the attachments. Bidder must provide manufacturer's certification that the material is Food-grade and made of aluminum or stainless steel:
		8. Perform visual inspection of the selector knob/switch. At least 3 speed
		settings must be indicated;
		9. Check the contents of the User's Manual.
		Needed tools and materials: Clamp Meter, tape rule, ingredients (like flour, milk,
		butter, yeast, sugar, and salt) for a simple bread recipe such as pan de sal,
2	Decker Oven	cheese bread, etc.
4	Decker oven	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.
		2. Conduct endurance testing for a series of five test runs for one minute
		each to determine how the equipment behaves under sustained use.
		to verify Temperature range from 0 to at least 350 degrees centigrade.
		4. Monitor the performance of the machine, there must be no abnormalities
		and irregular noise.
		5. The supplier should perform the actual demonstration and provide raw
		materials needed like dough, etc. for load testing.
		Needed tools and materials: dough for baking (from the dough used in the
		performance test for stand mixer and dough roller), tape rule, LPG tank with
	0.000	contents (shall be provided by the Bidder during test)
5	burner	1. administer mandatory functionality testing based on the operating
		instructions. The following tests are as follows:
		<ul> <li>Automatic electronic Ignition system test,</li> <li>b) Gas leak test of LPG regulator and hose using soan and water.</li> </ul>
		2. Conduct endurance testing in every burner for a series of five test runs
		for one minute each to determine how the equipment behaves under
		3. Monitor the performance of the machine, there must be no abnormalities
		and irregular noise.
		4. Measure the temperature of the oven by using the infrared thermometer
		Load testing:
		5. The supplier should perform the actual demonstration on how to use and
		provide any kitchen diensin and raw matchais for cooking test.
		Needed tools and materials: tape rule, micrometer/Vernier caliper, infrared
		the Bidder during test)
4	Mechanical Dough	Functionality/Performance
	Roller	a) Administer mandatory functional testing by letting the machine run for
		that it is fully serviceable.
		b) Check the motor, it must be without any abnormalities, sparks, and
		11 11 11 11 11 11 11 11 11 11 11 11 11
		each to determine how the equipment behaves under sustained use.
		Load testing
		d) The supplier should perform the actual demonstration in dough load testing and provide at least 1 kilo of dough for testing.
		Needed tools and materials: 1 kilo freshly mixed dough (from the stand mixer
5	Stock pan burner	Functionality test:
	-	1. Administer mandatory functionality testing based on the operating
		instructions as follows:
		b. have a leak test on the LPG regulator and hose using soap and
		water.
		2. Conduct endurance testing for a series of five test runs for one minute each to determine how the equipment behaves under sustained use.
		3. Check the burner. There must be no abnormalities and irregular noise.
		Load testing
		4. The supplier should perform the actual demonstration on how to use and
		provide any kitchen utensil and raw materials for cooking test.

	Needed tools and materials: soap, water, rugs, LPG tank with contents (shall h					
REFRIC	ERATORS AND FREEZE	provided by the Bidder during test)				
(MI-LO	° 4)					
1	Refrigerator, 7 cu. ft.	<ul> <li>Functional Specifications.</li> <li>Check usability (that includes the body, freezer and refrigerator compartments together with its accessories) from the following: <ul> <li>a) breakage, rusts, dust</li> <li>b) abnormalities of removable attachments like shelf, crisper and other storage that may be attached on doors.</li> </ul> </li> <li>Performance Specifications <ul> <li>Place the wired probe of the thermometer in the freezer; let a supplier technical representative run the refrigerator for several hours within a day to verify its ability to attain -18°C or lower temperature.</li> </ul> </li> </ul>				
		2. Quality marks affixed on the refrigerator (e.g. PS, ICC, CCC and the like) and or copy of certification to be provided by the supplier (e.g. PS license, ISO 9001 and the like).				
		<ul> <li>Design Specifications</li> <li>Verify each item of the design specification correspondingly the following: <ol> <li>Refer to manufacturer specification, conduct visual and functional checks;</li> <li>Refer to manufacturer specification;</li> <li>Refer to manufacturer specification and conduct test run;</li> <li>Conduct visual check and test run;</li> </ol> </li> </ul>				
		<ul> <li>6. Refer to manufacturer specification;</li> <li>7. Refer to manufacturer specification;</li> <li>8. Check inclusion of Warranty Card bearing at least the required limits;</li> <li>9. Check manual's language used, content, illustration and compatibility with the item;</li> <li>10. Refer to the list of service centers provided by the supplier and conduct verification of their status.</li> </ul>				
0	Hericht Presson	Tools and Materials Needed: tape rule, thermometer with wired probe, VAC meter, PC/cellphone, internet connection, 220-240V mains.				
2	oprignt Freezer	Check usability (that includes the body, door and compartment together with its accessories) from the following: a) breakage, rusts, dust b) function abnormalities of removable attachments like shelf and other storage/holders that may be included with the item.				
		<ul> <li>Performance Specifications</li> <li>1. Place the wired probe of the thermometer in the freezer compartment; let a supplier technical representative run the refrigerator for several hours within a day to verify its ability to attain -18°C or lower temperature.</li> <li>2. Quality marks affixed on the refrigerator (e.g. PS, ICC, CCC and the like) and or copy of certification to be provided by the supplier (e.g. PS license, ISO 9001 and the like).</li> </ul>				
		<ul> <li>Design Specifications</li> <li>Verify each item of the design specification correspondingly the following: <ol> <li>Refer to manufacturer specification, conduct visual and functional checks;</li> <li>Refer to manufacturer specification;</li> <li>Refer to manufacturer specification and conduct test run;</li> <li>Conduct visual check and test run;</li> <li>Refer to manufacturer specification;</li> </ol> </li> </ul>				
		<ul> <li>9. Check manual's language used, content, illustration and compatibility with the item;</li> <li>10. Refer to the list of service centers provided by the supplier and conduct verification of their status.</li> </ul>				
		Tools and Materials Needed: tape rule, thermometer with wired probe, VAC meter, PC/cellphone, internet connection, 220-240V mains.				
INFORM	ATION TECHNOLOGY	DEVICES AND ACCESSORIES				
(MI-LO)	<b>S</b> 5)	INSTRUCTION TO RIDDERS.				
1	Laptop Computer	INSTRUCTION TO BIDDERS:				

		Bidders are expected to install all software specified in the Technical Specifications, as well as Pass Mark Monitor Test and CPUID CPU-Z. Bidde are expected to bring Laptops that have been fully charged for purposes of testing.								
1	DEVICE INFORMATION		ITEMS	PROCEDURE	PARAMETER		EVALUATION DETAILS	COMPLIANCE (Comply /	REMARKS	
1	1 LAPTOP PC POWER		Battery	<ul> <li>Setup a laptop. (<i>The laptop must be fully charged</i>).</li> <li>Turn off screen saver and set brightness at middle level.</li> <li>Remove the power cord from the laptop.</li> <li>Leave for 30 minutes, take note of the time started.</li> </ul>	Battery indicator	Battery indicator of Laptop should be at least 90% after 30 minutes.		Not Comply	COMMENTS	
2	BIC	PTOP DS	BIOS inform ation	<ul> <li>Access the BIOS menus using the BIOS Key.</li> <li>Enter to BIOS using function Key.</li> <li>Check CPU cores and frequency.</li> <li>Check RAM size.</li> </ul>	CPU& RAM	PROCESSOR CORE: If 10-Cores & 12- Threads 12MB cache Or If 6-Cores & 12-Threads 16MB cache RAM: 2 X 4GB DDR4				
3	LAI HA AR	PTOP RDW E	CPU Memory	<ul> <li>Check hardware Configuration.</li> <li>Check CPU Frequency.</li> <li>Check RAM size.</li> </ul>	CPU& RAM	PROCESSOR CORE: 1.3Ghz Base Speed Or 2.3Ghz Base Speed RAM: Min 8GB				
4	STC	PTOP DRAGE	Solid- state drive (SSD)	<ul> <li>Open Operating System.</li> <li>Go to disk management and check the size of the SSD.</li> <li>Check the partition of the drive.</li> </ul>	SSD partition and capacity	SSD must have three (3) partitions for: 1. system (local C) and 2. recovery (local D) 3. data (Local E) The combined SSD capacity of (local C), (local C), (local C), and (local E) should not be below 480GB.				
5	MO	PTOP NITOR	LCD/ LED	• Run Pass Mark Monitor Test	High Contrast Black High Contrast White	ON BLACK: There should be no: 1. bright dot; 2. white dot; and 3. light leakage in the laptop ON WHITE: There should be no: 1. dark dot;				

							2.	yellow mark;				
							3.	ripple				
							4.	mark; light				
								leakage				
							in the laptop					
6	5	LAPTOP	Resolu	• Oper	n Display	Display	Resol	lution:				
		SCREEN RESOLU	tion	Setti	tings Resoluti			to set n				
		TION		Layo	out look for the		resol	ution at				
				disp: drop	lay resolution -down		1920 (Full	x 1080 HD)				
				• Take	e note of the			,				
				reso	lution listed.							
_	2	Printe	r		The approved t	echnical sp	pecific	ation shal	l be used to ch	neck the confo	ormity of	
					the results in t	his test.						
					Prior     initialized and	to the inspe installed to	ection	the printe	er should have	been already	Τ	
					Conne	ect to a Wi	ndows	PC/Lapto	p via USB			
					Check	the highe	st prir	nting resol	ution and test	print an ima	ge file	
					using that high	nest resolut	ion se	ettings s image / II	PG to a Windo	we PC / Lanto	nusing	
					• Scan any document as image/JPG to a Windows PC/Laptop using the highest scan resolution then check for the image resolution in the File							
					properties -> D	etails			-			
					Check the print speed and highest copy resolution in the printer's     head a difficiel website headbard at a star literation.							
					• Fit a s	standard A	4 size	paper in t	he flatbed	iture.		
					• Fit 10	0 sheets of	A4/6	4 gsm par	per into the inj	out tray		
					• Fit 30 sheets of A4/64 gsm paper into the output tray In the windows PC/Lanton check for the accented paper sizes in the							
					printer preferences							
					Print using different paper media in conformance to the technical							
					specifications     Connect and print to the printer via Wi-Fi and Wi-Fi Direct							
		Print using the printer's mobile print application using an andro							android			
			smartphone							1		
			• Browse the internet for the printer's brand official website and navigate to the specific model were printer drivers and related softwares can							ind ires can		
			be downloaded							a ob our		
					Check the completeness of the printer package as indicated in						in the	
					technical speci	fication						
					Inspection and	Testing Too	ols and	d Equipme	ent Needed:			
					• Windo	ows PC/La	ptop	4				
					• 100 s	heets of A4	size.	a 64 asm pl	ain bond pape	r		
					• 3 pieces plain paper of each paper sizes enumerated in the technical							
					specifications							
					<ul> <li>Specifications</li> </ul>	es of each	теши	iypes eni	imeralea in ine	e tecnnicui		
					• Wi-Fi router							
					Andro     Andro     The approved t	oud smartph	one	ation shall	l be used to ch	eck the conf	ormity of	
					the results in t	his test.			uscu to CI			
					• Conne	ect the TV a	as an	external d	isplay monitor	of a Window	S	
					resolution on S	ng each of Start Buttor	the HI 1 -> Se	DMI ports	then check th Display -> Scr	e extended di een Resolutio	splay	
					<ul> <li>Measure</li> </ul>	ure the scre	een siz	ze using a	meter tape			
					Read	Play media	a files	from a US	B Flash Drive	_		
					Conne     Conne	ect to the ii	nterne	et via etnei et via Wi-F	i connection	1		
					• Conne	ect a smart	phone	e or other	control devices	s via Bluetoot	h	
	3	Smart	TV		Check	c Operating	g Syste	em and its	version			
					Inspection and	Testing Too	ols and	d Equipme	ent Needed:			
					• Winde	ows PČ/La	ptop u	vith HDMI	external displa	ıy port		
					Appro     Motor	priate HDN Tane	11 cabl	e for exter	nal display			
					• USB I	Flash Drive	with r	nedia files	5			
					• Ether	net Cable	a#1.					
					<ul> <li>Wi-Fi router with ethernet ports</li> <li>Smartphone or other Bluetooth control device</li> </ul>							

MASS PRODUCTION OF CABINETS (MP-LOT 6) (See Annex B of the Bidding Documents)