

# Technical Specifications

**Lot 5 : Welding Simulators and e-Learning packages**

**APPROVED BUDGET FOR THE CONTRACT : Nineteen Million Three Hundred Twenty-One Thousand Five Hundred Forty-Three Pesos and 56/100 (P19,321,543.56)**

Item Code	Item Name	Specifications	Qty	Unit	Statement of Compliance*	Make Brand / Model	Reference
1	Welding Simulator	Kindly refer to the technical specifications attached as Annex B5.	1	set			
2	Welding Learning Management System		1	set			

\* Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.

**I hereby commit to comply and deliver all the above requirements in accordance with the above schedule.**

Name of Company/Bidder	Signature over Printed Name of Authorized Representative	Date
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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
11-065	Welding Simulator	<p>Processes: Simulated SMAW, Simulated GTAW, Simulated GMAW, Simulated FCAW</p> <p>Equipment Details:            - Input Power: 230V/60Hz            - Input Current: 2A at 230            - Machine Dimensions: 874H x 503W x 975D mm            - Stand Dimensions: 1993.9H x 914.4W x 1178.1D mm</p> <p>Inclusions:            2 Welding Stands; 2 Welding Helmets; 2 GTAW Torches and Filler Metal Devices, and Adaptive Foot Pedals; 2 Retractable SMAW Welding Devices; 2 sets of Coupons: Practice Plate, Pad, Lap Joint, Pipe-on-plate, Groove Joint 3/8 in. (9.5 mm), Groove Joint 2 in. (50.8 mm) diameter XXS Pipe, Groove Joint 6 in. (156.4 mm) diameter Sch 40 Pipe; Curriculum; Project-Based Lessons for Student and Instructor: Steel, Stainless Steel, and Aluminum Materials, Virtual Bend Test, Demo and Replay Modules, Multiple Environments and Languages; Classroom-Pak Teaching Aid Tool Box</p>	E-Learning	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of software vis-a-vis offered specifications</li> <li>- Checking of teaching aids vis-a-vis listed course outline</li> <li>- Functionality testing</li> <li>- Training on specified lessons</li> </ul>	1 Year	Yes	Yes	1	set

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
		<p>Features:</p> <ul style="list-style-type: none"> <li>- Retractable SMAW stick stinger, GMAW/FCAW gun and GTAW TIG torch, filler metal and adaptive foot pedal devices realistically simulate the look, feel and action of actual guns and torches.</li> <li>- Dual stands allow for training two students at the same time on one machine, each independently performing welds using different processes, coupons, joints and Welding Procedure Specifications (WPS).</li> <li>- Practice flat, horizontal, vertical and overhead 5G and 6G on mild steel, aluminum, stainless steel.</li> <li>- Realistic puddle and actual welding sound help welders learn to respond and adjust welding technique.</li> <li>- Simulates sparks, slag, grinding and weld cooling.</li> <li>- Welding discontinuities appear when improper welding technique is used.</li> <li>- Virtual bend test provides results instantly and reveals what causes a weld to pass or fail.</li> <li>- Demos of successful welds.</li> <li>- Replicates proper machine</li> </ul>								

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
		<p>set-up using a Welding Procedure Specification. Students must select gas type, process, gas flow, amperage/voltage and wire-feed speed in the system.</p> <ul style="list-style-type: none"> <li>- Tracks and scores key weld parameters including work angle, travel angle, travel speed, distance and position.</li> <li>- Encourages more consistent feedback than traditional training.</li> <li>- Replay mode (in multiple views) helps instructors and welders identify what went wrong or well.</li> <li>- Intuitive software program designed to bridge welding curriculum with hands-on training.</li> </ul>								

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
12-001	Welding Learning Management System	<b>Features:</b> - Compliant to AWS SENSE - Flexible, Customizable Classes - Competency-Based, Industry-Driven Curriculum - Differentiated Learning Pathways & Options for All Types of Learners - Assessment Tools & Live Feedback - 24 / 7 Availability - Enhanced E-Learning Reporting/ Tracking Capabilities and Student Accountability a. Design your own Performance Dashboard b. Create your own Competencies c. Choose your Curriculum Sequence d. Organize Student Groups <b>Benefits for Administrators/ Instructors:</b> - Ability to set permissions to manage learning - Administer comprehensive testing - Automated grade and tracking of pre-tests and final exams - Display student's time spent on classes and tests - Create custom bundles of classes for multi-levels of students	E-Learning	Brochure with picture and data sheet	- Checking the conformity with the quantity including parts and accessories - Checking the conformity of software vis-a-vis offered specifications - Checking of teaching aids vis-a-vis listed course outline - Functionality testing - Training on specified lessons	1 Year	Yes	Yes	1	set

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
		<ul style="list-style-type: none"> <li>- Reports available to track knowledge gained</li> <li>- Dedicated support team</li> <li><b>Benefits for Students:</b></li> <li>- Flexible curriculum with 24/7 access from computer with internet</li> <li>- Ability to complete at their own pace/own time</li> <li>- User-friendly system</li> <li>- Review content at their convenience</li> <li>- Immediate feedback</li> <li>- Audio voice-over</li> <li><b>Technical Requirements:</b></li> <li><b>1. Client Hardware:</b></li> <li>- 450 MHz Intel Pentium II processor (or equivalent)</li> <li>- 128 MB RAM</li> <li>- Speakers/ Headphones (recommended, but not required)</li> <li><b>2. Client Software:</b></li> <li>- Browser: Microsoft Edge, Microsoft Internet Explorer 10.0+, Mozilla Firefox, Google Chrome</li> <li>- Additional Software: Adobe Flash Player 10.0+, Adobe Reader</li> <li><b>3. Client Configurations:</b></li> <li>- Network Bandwidth: A broadband internet connection is required for larger images, audio, video, and interactive components</li> </ul>								

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
		<ul style="list-style-type: none"> <li>- Screen Resolution: The minimum screen resolutions recommended is 1024 x 768 pixels</li> <li>- JavaScript: Enabled</li> <li>4. File Types:               <ul style="list-style-type: none"> <li>- .swf files for Flash interactive exercises</li> <li>- .mp3 files for lesson audio</li> <li>- .flv files for lesson video</li> <li>- .mp4 files for lesson video</li> <li>- .ogv files for lesson video</li> <li>- .m4v for lesson video (1.0 content for Apple devices)</li> </ul> </li> </ul>								

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 Name of Company/Bidder                      Signature over Printed Name of Authorized Representative                      Date

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# Technical Specifications

Lot 6 : Electronics/Electrical Tools and Equipment

APPROVED BUDGET FOR THE CONTRACT : Six Hundred Seventy-Four Thousand One Hundred Pesos and 01/100 (P674,100.01)

Item Code	Item Name	Agency Specification	Qty	Unit	Statement of Compliance*	Make Brand / Model	Reference
21-010	Digital Oscilloscope	Kindly refer to the technical specifications attached as Annex B6.	5	units			
21-011	Insulation Tester		3	units			
21-012	Earth Resistance Tester		5	units			
22-005	Thermal Camera		5	units			
21-010	Soldering Station		10	sets			

\* Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.

I hereby commit to comply and deliver all the above requirements in accordance with the above schedule.

Name of Company/Bidder	Signature over Printed Name of Authorized Representative	Date
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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
21-009	Digital Oscilloscope	<ul style="list-style-type: none"> <li>• Bandwidth 100MHZ</li> <li>• Oscilloscope channel: 2CH</li> <li>• Average waveform times: 4, 8, 16, 32, 64, 128</li> <li>• High accuracy: Highest 12bit</li> <li>• Input Coupling: DC, AC or ground (DC, AC, GND)</li> <li>• Input impedance: 1MΩ±2%   20pF±3PF</li> <li>• Probe attenuation coefficient setting: 1X, 10X, 100X, 1000X</li> <li>• Voltage classes: 300V CAT II</li> <li>• Maximum input voltage: 300V RMS (10X)</li> <li>• Waveform interpolation: (sinX)/X</li> <li>• Maximum record length: Single channel maximum 8M, Dual channel: maximum 4M</li> <li>• Horizontal scale range: 2ns/div-100s/div, 1, 2, 5 steps</li> <li>• Trigger mode: Automatic, normal, single</li> <li>• Measurement Type: DC RMS, AC RMS, DC</li> <li>• Frequency meter: Hardware 6 bits</li> <li>• Window Rectangular, Hanning, Heming, Blackman, Bartlett, flat top</li> <li>• Display Single display or full display</li> <li>• Display screen type: 7in TFT LCD screen diagonally</li> <li>• Standard interface: USB Host, USB Device</li> <li>• Power supply voltage: 00-120 VAC RMS (±10%), 45Hz to 440Hz, CAT II, 120- 240 VAC RMS (±10%), 45Hz to 66Hz, CAT II</li> </ul>	Electronic Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	5	units

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
21-010	Insulation Tester	<ul style="list-style-type: none"> <li>Digital</li> <li>Testing voltage: 50-1000V</li> <li>Power supply 220V, 60 Hz</li> <li>Operating temperature: -10~40°C</li> <li>Measuring Range: 100-400MΩ</li> <li>Accessory: <ul style="list-style-type: none"> <li>- 1 pair of measuring probes</li> </ul> </li> </ul>	Electronic Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	3	units
21-011	Earth Resistance Tester	<ul style="list-style-type: none"> <li>Display: Digital</li> <li>Earth Resistance Range: 0-2000Ω</li> <li>Earth Voltage Range: (60Hz): 0VAC-200VAC</li> <li>Earth Resistance Accuracy: <math>\pm 2\%rdg \pm 3dgt</math></li> <li>Earth Voltage Accuracy: <math>\pm 1\%rdg \pm 4dgt</math></li> <li>Power Source: 6 AA batteries</li> <li>With hard-carrying case</li> </ul>	Electronic Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	5	units
21-012	Thermal Camera	<ul style="list-style-type: none"> <li>Handheld</li> <li>Temperature Measurement: Minimum -25°C, Maximum +300°C</li> <li>Temperature Scale: Centigrade, Fahrenheit</li> <li>Accuracy: <math>\pm 2^\circ C</math></li> <li>Display: 2.4 inch LCD (320x240 px)</li> <li>Internal storage for up to 50,000 images</li> <li>Rechargeable Li-ion battery</li> </ul>	Electronic Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	5	units

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
22-005	Soldering Station	<p>Data: Input Voltage: AC 110~127V 60Hz/ 220~240V 50Hz Max power consumption: 1200W</p> <p>Preheating Station Temperature Range: 50 ~ 400 °C Temperature Stability ±2 °C Display Type: LED, any color Preheat Area: 120*120mm</p> <p>Hot Air Station Airflow type brushless fan spiral out wind Air Flow ≤120L/min Temperature Range 100 ~ 480 °C Temperature Stability ±1 °C Display Type: LED, any color Handle cable length ≥100cm</p> <p>Soldering Iron Station Temperature Range 200 ~ 480 °C Soldering iron</p>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	10	sets

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Name of Company/Bidder

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Signature over Printed Name of Authorized Representative

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# Technical Specifications

Lot 7 : Fabrication Tools, Equipment and Supplies

APPROVED BUDGET : One Million Six Hundred Two Thousand Nine Hundred Eighty-Five  
FOR THE CONTRACT : Pesos and 99/100 (₱1,602,985.99)

Item Code	Item Name	Agency Specification	Qty	Unit	Statement of Compliance*	Make Brand / Model	Reference
20-001	Acrylic sheet 2.0 mm	Kindly refer to the technical specifications attached as Annex B7.	20	pcs			
20-002	Acrylic sheet 3.0 mm		20	pcs			
20-003	Acrylic sheet 4.5 mm		20	pcs			
20-004	Acrylic sheet 5.0 mm		20	pcs			
20-005	Acrylic sheet 6.0 mm		20	pcs			
20-006	Acrylic sheet 10 mm		20	pcs			
20-007	Acrylic sheet 12 mm		20	pcs			
20-008	Acrylic sheet, diffuser white, 2 mm		20	pcs			
20-009	Acrylic sheet, diffuser white, 3 mm		20	pcs			
01-016	3D Printer		5	sets			
21-001	Band Saw Machine		2	units			
21-002	Table Saw Machine with Stand		5	units			
21-003	Miter Saw		5	units			
21-004	Drill Press Machine		5	units			
21-005	Jig Saw		5	units			
21-006	Cordless Portable Planer		5	units			
21-007	Cordless Sander	10	units				
21-008	Circular Saw	5	units				
21-013	Tube Bender Kit	5	sets				

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I hereby commit to comply and deliver all the above requirements in accordance with the above schedule.

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Name of Company/Bidder

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Signature over Printed Name of Authorized Representative

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
20-001	Acrylic sheet 2.0 mm	Clear Thickness : 2.0 mm Dimension : 4ft x 8ft	Consumables	Brochure with picture and data sheet	- Checking the conformity with the quantity and material - Measurement of dimension	1 Year	N/A	N/A	20	pcs
20-002	Acrylic sheet 3.0 mm	Clear Thickness : 3.0 mm Dimension : 4ft x 8ft	Consumables	Brochure with picture and data sheet	- Checking the conformity with the quantity and material - Measurement of dimension	1 Year	N/A	N/A	20	pcs
20-003	Acrylic sheet 4.5 mm	Clear Thickness : 4.5 mm Dimension : 4ft x 8ft	Consumables	Brochure with picture and data sheet	- Checking the conformity with the quantity and material - Measurement of dimension	1 Year	N/A	N/A	20	pcs
20-004	Acrylic sheet 5.0 mm	Clear Thickness : 5.0 mm Dimension : 4ft x 8ft	Consumables	Brochure with picture and data sheet	- Checking the conformity with the quantity and material - Measurement of dimension	1 Year	N/A	N/A	20	pcs
20-005	Acrylic sheet 6.0 mm	Clear Thickness : 6.0 mm Dimension : 4ft x 8ft	Consumables	Brochure with picture and data sheet	- Checking the conformity with the quantity and material - Measurement of dimension	1 Year	N/A	N/A	20	pcs
20-006	Acrylic sheet 10 mm	Clear Thickness : 10 mm Dimension : 4ft x 8ft	Consumables	Brochure with picture and data sheet	- Checking the conformity with the quantity and material - Measurement of dimension	1 Year	N/A	N/A	20	pcs
20-007	Acrylic sheet 12 mm	Clear Thickness : 12 mm Dimension : 4ft x 8ft	Consumables	Brochure with picture and data sheet	- Checking the conformity with the quantity and material - Measurement of dimension	1 Year	N/A	N/A	20	pcs

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
20-008	Acrylic sheet, diffuser white, 2 mm	Diffuser white Thickness : 2.0 mm Dimension : 4ft x 8ft	Consumables	Brochure with picture and data sheet	- Checking the conformity with the quantity and material - Measurement of dimension	1 Year	N/A	N/A	20	pcs
20-009	Acrylic sheet, diffuser white, 3 mm	Diffuser white Thickness : 3.0 mm Dimension : 4ft x 8ft	Consumables	Brochure with picture and data sheet	- Checking the conformity with the quantity and material - Measurement of dimension	1 Year	N/A	N/A	20	pcs
01-016	3D Printer	<ul style="list-style-type: none"> <li>• Technology: Fused Filament Fabrication</li> <li>• Print Head: Dual-extrusion print head with an auto-nozzle lifting system and swappable print cores</li> <li>• Build Plate: Heated glass build plate</li> <li>• Key Features: <ul style="list-style-type: none"> <li>- Dual extrusion w/ geared feeders</li> <li>- Swappable print cores</li> <li>- NFC-based filament detection</li> <li>- Heated-bed with active leveling</li> <li>- Built-in camera</li> <li>- Wifi and ethernet connectivity</li> <li>- Stand-alone USB stick printing</li> </ul> </li> <li>• Filament Size: 2.85 mm</li> <li>• Print Core Nozzle Sizes: 0.25mm, 0.4mm (included), 0.8mm</li> </ul>	Equipment	Brochure with picture and data sheet	- Functionality test - Check package completeness	1 Year	Yes	Yes	5	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
		<ul style="list-style-type: none"> <li>• Maximum Printing Temperature: 280 Celsius</li> <li>• Layer Resolution: <ul style="list-style-type: none"> <li>- 0.25 mm nozzle: 150 - 60 micron</li> <li>- 0.4 mm nozzle: 200 - 20 micron</li> <li>- 0.8 mm nozzle: 600 - 20 micron</li> </ul> </li> <li>• Positioning Precision (X / Y / Z): 6.9 / 6.9 / 2.5 microns</li> <li>• Supported File Types: STL, OBJ, X3D, 3MF, BMP, GIF, JPG, PNG</li> <li>• Supported OS: Windows / Mac / Linux</li> <li>• Power Output: Max 10A</li> </ul> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>(2) Print Core AA 0.4mm</li> <li>(1) Print Core BB 0.4mm</li> <li>(1) Glass build plate</li> <li>Glue stick</li> <li>NFC enabled reel holder assembly</li> <li>NFC spool holder</li> <li>Hex screwdriver 2mm</li> <li>Ethernet Cable</li> <li>USB Stick</li> <li>Machine Oil</li> <li>Magnalube Reclosable</li> <li>Calibration card</li> <li>Power cable</li> </ul>								

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
		<p><b>Package includes:</b></p> <ul style="list-style-type: none"> <li>• Air Manager <ul style="list-style-type: none"> <li>- Filter Technology: EPA filter</li> <li>- Fan Technology: Air extraction by low-noise brushless fan</li> <li>- Air Refresh Rate: 1 - 50 m3/h (35 m3/h nominal rate for most materials at 23°C)</li> <li>- Filter Efficiency: Up to 95%</li> <li>- Operating Sound: &lt; 51 dBA (including Ultimaker S5)</li> <li>- Connection (data and power): UMB connection (included)</li> </ul> </li> <li>• Material Station <ul style="list-style-type: none"> <li>- Filament Diameter: 2.85mm</li> <li>- Material Spool Dimensions: Width: 50 - 70 mm (2 - 2.7 in) Diameter: 197 - 203 mm (7.8 - 8 in) Core diameter: &gt; 98 mm (3.8 in)</li> <li>- Material Capacity: 6 spools</li> <li>- Material Recognition: Auto-recognition enabled with NFC scanner</li> <li>- Feeder Type: Dual-gearred, abrasion-resistant</li> <li>- Data Connection: UMB connection (included)</li> <li>- Power Input: 85 - 264VAC, max. 125 W</li> </ul> </li> </ul>								

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
21-001	Band Saw Machine	<ul style="list-style-type: none"> <li>• Vertical</li> <li>• Supply: 220-240V~60Hz</li> <li>• Continuous rating Input: 900 W</li> <li>• Max cutting capacity: 165mm (6-1/2")</li> <li>• Blade: Replaceable for Wood or Metal</li> <li>• Throat: 305mm (12")</li> <li>• Blade speed <ul style="list-style-type: none"> <li>- High: 3280 ft/min</li> <li>- Low: 1,640 ft/min</li> </ul> </li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	2	units
21-002	Table Saw Machine with Stand	<ul style="list-style-type: none"> <li>• Supply: 220-240 VAC 60Hz single phase</li> <li>• Power: 1800 W</li> <li>• Bevel Capacity : 0 - 45°</li> <li>• Max Cutting Capacity at 45° : 56 mm</li> <li>• Max Cutting Capacity at 90° : 76 mm</li> <li>• No Load Speed : 4800 rpm</li> <li>• Blade Size : 10" / 254 mm</li> <li>• Table Size : 610 x 508 mm</li> <li>• Includes Extra Carbon Brush</li> <li>• Includes Blade for Cutting Wood</li> <li>• With 4 Wheels For Easy Transportation</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	5	units

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
21-003	Miter Saw	<ul style="list-style-type: none"> <li>• Cordless</li> <li>• Voltage: 20V</li> <li>• No-load speed: 3000rpm</li> <li>• Blade size: 210mm (8-1/4")*25.4mm</li> <li>• Cutting capacity               <ul style="list-style-type: none"> <li>- 0°x0°: 120*60mm,</li> <li>- 45°x0°: 83*60mm</li> <li>- 0°*45°: 120*34mm</li> <li>- 45°*45°: 83*34mm</li> </ul> </li> <li>• Lithium-Ion 2.0Ah battery</li> <li>• Battery and Charger fits to ALL Cordless Tools (Circular Saw: Item 21-008, Jig Saw: Item 21-008, Miter Saw: Item 21-003 and Sander: Item 21-007)</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	5	units
21-004	Drill Press Machine	<ul style="list-style-type: none"> <li>• Voltage: 220-240V~60Hz</li> <li>• Input Power: 1/3 - 1/2 HP</li> <li>• Max drilling capacity: 13mm</li> <li>• No-load speed: 3450 rpm</li> <li>• Spindle speed settings: 5</li> <li>• Spindle travel: 50mm</li> <li>• Table size: 160*160mm</li> <li>• Machine height: 580mm</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	5	units

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
21-005	Jig Saw	<ul style="list-style-type: none"> <li>• Voltage: 20V</li> <li>• No-load speed: 2600 rpm</li> <li>• Cutting capacity               <ul style="list-style-type: none"> <li>- Metal: 8mm</li> <li>- Wood: 80mm</li> </ul> </li> <li>• Lithium-Ion 2.0Ah battery</li> <li>• Battery and Charger fits to ALL Cordless Tools (Circular Saw: Item 21-008, Jig Saw: Item 21-008, Miter Saw: Item 21-003 and Sander: Item 21-007)</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	5	units
21-006	Cordless Portable Planer	<ul style="list-style-type: none"> <li>• No Load Speed: 14,000 Rpm</li> <li>• Planning Width: 3 1/4 in</li> <li>• Planning Depth: 0-2.0 mm</li> <li>• Voltage: 18V</li> <li>• 2-blade cutter head with double edge carbide blades</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	5	units
21-007	Cordless Sander	<ul style="list-style-type: none"> <li>• Voltage: 20V</li> <li>• No-Load Speed: 10000/min</li> <li>• Bottom Bass: 125mm</li> <li>• Lithium-Ion 2.0Ah battery</li> <li>• Battery and Charger fits to ALL Cordless Tools (Circular Saw: Item 21-008, Jig Saw: Item 21-008, Miter Saw: Item 21-003 and Sander: Item 21-007)</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	10	units

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
21-008	Circular Saw	<ul style="list-style-type: none"> <li>• Voltage: 20V</li> <li>• No-load speed:3600rpm</li> <li>• Blade diameter:140mm</li> <li>• Max Cutting capacity:               <ul style="list-style-type: none"> <li>- 45°degree: 28mm</li> <li>- 90°degree: 40mm</li> </ul> </li> <li>• Adjustable cutting depth</li> <li>• Adjustable bevel cutting</li> <li>• Lithium-Ion 2.0Ah battery</li> <li>• Battery and Charger fits to ALL Cordless Tools (Circular Saw: Item 21-008, Jig Saw: Item 21-008, Miter Saw: Item 21-003 and Sander: Item 21-007)</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	5	units
21-013	Tube Bender Kit	<p>Compatible with TUBE SIZES: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8"</p> <p>Capable for bending of up to 90 deg. of soft copper, aluminum and light wall hydraulic tubing</p> <p>Carrying box included</p>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	5	sets

I hereby commit to comply and deliver all the above requirements in accordance with the above stated schedule.

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Name of Company/Bidder

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Signature over Printed Name of Authorized Representative

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# Technical Specifications

Lot 8 : Furniture

APPROVED BUDGET FOR THE CONTRACT : Five Hundred Thirty-Four Thousand One Hundred Sixty-Eight Pesos and 85/100 (P9,000,930.85)

Item Code	Item Name	Agency Specification	Qty	Unit	Statement of Compliance*	Make Brand / Model	Reference
10-001	Trainers' Table	Kindly refer to the technical specifications attached as Annex B8.	21	pcs			
10-002	Trainees' Table Steel Square Legs		139	pcs			
10-004	Movable Square Table		30	pcs			
10-005	Swivel Chair		272	pcs			
10-006	Swing Door Cabinet		16	pcs			
10-007	Glass Cabinet		19	pcs			
10-008	Lockers		20	pcs			
10-009	L-Shape Table		40	pcs			
10-010	Trainees' Chair		75	pcs			
10-013	Laboratory Table		4	pcs			
10-014	Lavatory counter with countertop and sink		4	pcs			
10-015	Laboratory Chair (Stool)		25	pcs			
10-016	Push Utility Cart Trolley		2	pcs			
10-017	Trainees' Table (Movable and Foldable)		37	pcs			
10-018	Conference Table		1	pc			

\* Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.

**I hereby commit to comply and deliver all the above requirements in accordance with the above schedule.**

Name of Company/Bidder	Signature over Printed Name of Authorized Representative	Date
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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
10-001	Trainers' Table	<ul style="list-style-type: none"> <li>• Dimension (LxW): 1200 x 600 mm</li> <li>• Material: High Grade E0 MFC Worktop in Laminate Finish</li> <li>• Adjustable height: 2-lifting column for height in 700-1180mm, 2mm thick Rectangular steel tube, 4-preset LED memory controller</li> <li>• Motor: Single motor, 90-230V, speed in 30mm/s</li> <li>• 4-hidden movable wheels</li> <li>• Steel Legs in Powder Coat Finish</li> </ul>	Furniture	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Type of materials used</li> <li>- Measurement of dimension</li> <li>- Functionality testing</li> </ul>	N/A	N/A	N/A	21	pcs
10-002	Trainees' Table Steel Square Legs	<ul style="list-style-type: none"> <li>• Dimension (LxW): 1200 x 600 mm</li> <li>• 25mm High Grade E1 MFC Worktop in Laminate Wood Finish, Edge Banding, Steel (Square) Legs in Epoxy Resin Finish White color</li> <li>• Grommet Hole with Cable Spine Management</li> <li>• Height: 750 mm</li> </ul>	Furniture	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Type of materials used</li> <li>- Measurement of dimension</li> </ul>	N/A	N/A	N/A	139	pcs
10-004	Movable Square Table	<ul style="list-style-type: none"> <li>• Dimension (LxW): 600 x 600 mm</li> <li>• 25mm High Grade E1 MFC Worktop in Laminate Wood Finish, Edge Banding, Steel (Square) Legs in Epoxy Resin Finish White color</li> <li>• Height: 750 mm</li> </ul>	Furniture	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Type of materials used</li> <li>- Measurement of dimension</li> </ul>	N/A	N/A	N/A	30	pcs

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
10-005	Swivel Chair	<ul style="list-style-type: none"> <li>• Mid back chair with armrest</li> <li>• Material: Fabric seat and Mesh back</li> <li>• PP Armrest and Nylon Base</li> <li>• Gas Lift: 75mm - 85mm Class 3</li> <li>• Caster Type: Nylon</li> <li>• Chair Seating Capacity: 120-130kgs</li> <li>• Tilt-Lock Function Mechanism</li> <li>• Ergonomic lumbar support</li> <li>• Pneumatic Height Adjustment</li> <li>• 360° Swivel Function</li> <li>• BIFMA Certified</li> </ul>	Furniture	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Type of Materials used</li> <li>- Measurement of height of max. lift</li> <li>- Measurement of weight of seating capacity</li> </ul>	N/A	N/A	N/A	272	pcs
10-006	Swing Door Cabinet	<ul style="list-style-type: none"> <li>• 2-Door Swing Door Cabinet</li> <li>• 5 Layers</li> <li>• Material: High-quality cold-rolled steel, electro anodized powder coat finish</li> <li>• Color: Textured Light Gray</li> <li>• Dimension: W900 x D400 x H1850 mm</li> <li>• Gauge: 21mm</li> <li>• with hasp provision for padlock and built-in locking mechanism</li> </ul>	Furniture	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Type of Material used</li> <li>- Measurement of dimension</li> <li>- Lock Functionality test</li> </ul>	N/A	N/A	N/A	16	pcs

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
10-007	Glass Cabinet	<ul style="list-style-type: none"> <li>• Upper Swing Doors in Glass</li> <li>• Upper layer :2</li> <li>• Lower layer: 2</li> <li>• Material: High-quality cold-rolled steel, electro anodized powder coat finish</li> <li>• Color: Textured Light Gray</li> <li>• Dimension: W900 x D400 x H1850 mm</li> <li>• Gauge: 21mm</li> <li>• with hasp provision for padlock and built-in locking mechanism</li> </ul>	Furniture	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Type of Material used</li> <li>- Measurement of dimension</li> <li>- Lock Functionality test</li> </ul>	N/A	N/A	N/A	19	pcs
10-008	Lockers	<ul style="list-style-type: none"> <li>• 900 x 400 mm</li> <li>• 0.6mm Thickness</li> <li>• Steel</li> <li>• Multi-color door</li> <li>• 15-Door, Key Lock System</li> </ul>	Furniture	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Type of Material used</li> <li>- Measurement of dimension</li> <li>- Lock Functionality test</li> </ul>	N/A	N/A	N/A	20	pcs
10-009	L-Shape Table	<ul style="list-style-type: none"> <li>• Main Table: L1400 x W600 x H750 mm</li> <li>• Side Table: L1200 x W500 x H750 mm</li> <li>• 25mm High Grade E1 MFC Worktop in Laminate Wood Finish, Edge Banding, Steel Legs in Epoxy Resin Finish with Pedestal (Drawer)</li> <li>• Grommet Hole with Cable Spine Management</li> </ul>	Furniture	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Type of materials used</li> <li>- Measurement of dimension</li> </ul>	N/A	N/A	N/A	40	pcs

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
10-010	Trainees' Chair	<ul style="list-style-type: none"> <li>• With armchair               <ul style="list-style-type: none"> <li>- can be rotated 360 degrees at any angle using medium fiber powder coated board surface, writing board support frame 28 round tube, 1.8mm thick</li> </ul> </li> <li>• One-piece molding PP chair body, fixed chair support chassis</li> <li>• Dimensions:               <ul style="list-style-type: none"> <li>- Seat Height: 500mm</li> <li>- Back Width: 490mm</li> <li>- Back Height: 350mm</li> <li>- Seat Depth: 430mm</li> <li>- Seat Width: 470mm</li> </ul> </li> <li>• 40 density high elasticity sponge cushion</li> <li>• Legs 25 round tube, 2mm; chair frame surface frosting treatment</li> <li>• Chrome Legs</li> <li>• Comes with book net</li> <li>• Ambidextrous</li> </ul>	Furniture	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Type of Materials used</li> <li>- Measurement of height of max. lift</li> <li>- Measurement of weight of seating capacity</li> </ul>	N/A	N/A	N/A	75	pcs
10-013	Laboratory Table	<ul style="list-style-type: none"> <li>• Color: White/blue/black or combination of either 3</li> <li>• Material: Phenolic Top</li> <li>• Dimensions: 1800 L x 900 W x 800 H mm (Adjustable height is OK)</li> <li>• Drawer / Socket type table for 6 persons</li> </ul>	Furniture	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Type of materials used</li> <li>- Measurement of dimension</li> </ul>	N/A	N/A	N/A	4	pcs

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
10-014	Lavatory counter with countertop and sink	<ul style="list-style-type: none"> <li>• Color: White/blue/black or combination of either 3</li> <li>• Mobile</li> <li>• With countertop and sink</li> <li>• Material: Phenolic Countertop; Stainless Steel Sink</li> <li>• Single sink w/ faucet and 2 under drawer</li> <li>• Dimensions of sink + counter: L1200mm x W 600mm x H800mm</li> <li>• With inlet and outlet hose, 10m each</li> </ul>	Furniture	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Type of materials used</li> <li>- Measurement of dimension</li> </ul>	N/A	N/A	N/A	4	pcs
10-015	Laboratory Chair (Stool)	<ul style="list-style-type: none"> <li>• Rounded wood top, steel legs</li> <li>• Dimensions: 300mm (D) x 500-550mm (H)</li> <li>• compatible with Laboratory Table, Item No. 10-013</li> </ul>	Furniture	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of Height</li> <li>- Type of materials used</li> </ul>	N/A	N/A	N/A	25	pcs
10-016	Push Utility Cart Trolley	<ul style="list-style-type: none"> <li>• Any color</li> <li>• Material: Laminate + Steel</li> <li>• 3 layer</li> <li>• Dimensions: 950-1000 x 500 x 950-1000 mm</li> <li>• Two casters with locking brake, two normal casters</li> </ul>	Furniture	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Type of materials used</li> <li>- Measurement of dimension</li> </ul>	N/A	N/A	N/A	2	pcs
10-017	Trainees' Table (Movable and Foldable)	<ul style="list-style-type: none"> <li>Color: White/Blue/Black/Brown</li> <li>Material: Metal base, MFC foldable desk</li> <li>Four casters with locking brake</li> <li>Height: 750-800 mm</li> <li>Width: 400-600 mm</li> <li>Length: 1000-1200 mm</li> <li>Desk thickness: At least 25 mm</li> </ul>	Furniture	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Type of materials used</li> <li>- Measurement of dimension</li> </ul>	N/A	N/A	N/A	37	pcs

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
10-018	Conference Table	6-8 seaters Color: White/Black/Brown/Grey Material: Metal legs, MFC desk With atleast 1 rectangular grommet in the center of table Height= 750-800 mm Width= 1000-1200 mm Length= 2200-2400 mm	Furniture	Brochure with picture and data sheet	- Type of materials used - Measurement of dimension - Capacity	N/A	N/A	N/A	1	pc

I hereby commit to comply and deliver all the above requirements in accordance with the above stated schedule.

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**Name of Company/Bidder**                      **Signature over Printed Name of Authorized Representative**                      **Date**

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# Technical Specifications

Lot 9 : Hand Tools and Measuring Instruments

APPROVED BUDGET FOR THE CONTRACT : Six Hundred Twenty-Eight Thousand Six Hundred Two Pesos and 87/100 (P628,602.87)

Item Code	Item Name	Agency Specification	Qty	Unit	Statement of Compliance*	Make Brand / Model	Reference
11-007	Multi weld plier	Kindly refer to the technical specifications attached as Annex B9.	25	pcs			
11-011	Tap and Dies Set		3	sets			
11-015	Combination Square		25	pcs			
11-042	Try Square		20	pcs			
22-001	Crimping Tool		5	pcs			
22-002	Screwdriver set (precision)		7	sets			
22-003	Allen Wrench		12	sets			
22-004	Socket Wrench		12	sets			
22-006	Digital Vernier caliper		15	pcs			
22-007	Analog Vernier caliper		15	pcs			
22-008	Bearing puller		5	pcs			
22-010	Screwdriver set		10	sets			
22-011	Clamp On Meter		5	sets			
22-013	Pipe Bender, 3/4"		6	pcs			
22-014	Pipe Bender, 1/2-1"		5	pcs			
22-015	Pipe Threader		2	pcs			
22-016	Pipe Cutter		3	pcs			
22-017	Pipe Bender, 1/2"		5	pcs			
22-018	Combination Wrench		10	sets			
22-019	Push-Pull Rule		10	pcs			
22-020	Meter Stick		10	pcs			
22-021	Pipe Wrench		5	pcs			
22-022	Vise Grip, 7"		5	pcs			
22-023	Vise Grip, 10"		5	pcs			
22-024	Tin Snip, 8"		5	pcs			
22-025	Tin Snip, 10"		5	pcs			
22-026	Ball Peen Hammer	10	pcs				

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Item Code	Item Name	Agency Specification	Qty	Unit	Statement of Compliance*	Make Brand / Model	Reference
22-027	Rubber Mallet	Kindly refer to the technical specifications attached as Annex B9.	10	pcs			
22-028	Hack Saw with Blade		10	sets			
22-029	Steel Rule		10	pcs			

\* Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.

**I hereby commit to comply and deliver all the above requirements in accordance with the above schedule.**

\_\_\_\_\_  
Name of Company/Bidder

\_\_\_\_\_  
Signature over Printed Name of  
Authorized Representative

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Date

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
11-007	Multi weld plier	<ul style="list-style-type: none"> <li>- Overall length: 8", Metal</li> <li>- Handle finish: non-slip grip handle</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> <li>- 6 feet drop on concrete test, head first, ten times, the head of the item should not break/deform. Scratch or kink on the shaft/handle of the item is still acceptable.</li> </ul>	1 Year	N/A	N/A	25	pcs
11-011	Tap and Dies Set	<p>Number of Pieces: 52</p> <p>Set Contents Handheld Taps: M3; M4; M5; M6; M8; M10; M12; M14; M16; M18; M20</p> <p>Cutting Die For Taps: M3; M4; M5; M6; M8; M10; M12; M14; M16; M18; M20</p> <p>Adjustable Tap Wrench: Sizes 1 and 3</p> <p>Cutting Die Holder 20 x 5; 20 x 7; 25 x 9; 30 x 11; 38 x 14; 45 x 18</p> <p>Guide: 1-7</p> <p>Material: HSS</p>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	3	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
11-015	Combination Square	300 mm (12 inches) Stainless steel + zinc alloy Combination square set (Blade and Handle)	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	25	pcs
11-042	Try Square	12" Material: Aluminum Alloy scale 0-90°	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	20	pcs
22-001	Crimping Tool	For terminal lugs Material: High carbon steel alloy Handle: Rubber Suitable terminals: VH/FL/SL 3.96, 4.8, 5.08, 6.3 Crimping Range: 26-16 AWG (0.14-1.5mm)	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	5	pcs

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
22-002	Screwdriver set (precision)	<ul style="list-style-type: none"> <li>• Philips &amp; Standard</li> <li>• 6 pcs. per set</li> <li>• swivel head handles, plastic</li> <li>• Flat Blade Tip: 1.4, 2.0, 2.4, 3.0 mm</li> <li>• Philips Blade Tip: 0, 1</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	7	sets
22-003	Allen Wrench	<ul style="list-style-type: none"> <li>• 9 pc Hex Key Set: 1.5 mm, 2.0 mm, 2.5 mm, 3.0 mm, 4.0 mm, 5.0 mm, 6.0 mm, 8.0 mm, 10.0 mm</li> <li>• Metric</li> <li>• Ball point</li> <li>• Rust resistance coating</li> <li>• Chrome Vanadium steel</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	12	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
22-004	Socket Wrench	<ul style="list-style-type: none"> <li>• Chrome Vanadium Steel (Cr-V)</li> <li>• Drive: 1/4"</li> <li>• Socket points: 12 points</li> <li>• Socket size: Metric</li> <li>• 10 pcs Socket: 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm</li> <li>• 45T Ratchet Handle</li> <li>• 1/4" Universal Joint</li> <li>• Spinner Handle: 150 mm (±5mm)</li> <li>• Sliding T-Handle: 114 mm (±5mm)</li> <li>• Extension bar length: 100 mm (±5mm)</li> <li>• Extension bar length: 50 mm (±5mm)</li> <li>• With case</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	12	sets
22-006	Digital Vernier caliper	<ul style="list-style-type: none"> <li>• Stainless steel</li> <li>• Measuring range 0-150 mm</li> <li>• English and metric scale</li> <li>• Accuracy: 0.01 mm</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	15	pcs

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
22-007	Analog Vernier caliper	<ul style="list-style-type: none"> <li>• Stainless steel</li> <li>• Measuring range 0-150 mm</li> <li>• English and metric scale</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	15	pcs
22-008	Bearing puller	<p>Hydraulic  Number of Jaws: 3  Size: 3 inches  Spread Capacity: 40-75mm  Made of chrome vanadium steel, chrome plated  Reversible jaws</p>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	5	pcs

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
22-010	Screwdriver set	<ul style="list-style-type: none"> <li>• 12 pc per set</li> <li>• Chrome Vanadium steel bars (engraved)</li> <li>• Polypropylene handle</li> <li>• Phillips: PH1 x 75mm, PH2 x 100mm</li> <li>• Pozi: PZ1 x 100mm, PZ2 x 100mm</li> <li>• Flared Slotted: 5.5 x 100mm, 6.5 x 150mm, 8 x 175mm</li> <li>• Parallel Slotted: 4 x 100mm, 5.5 x 100mm</li> <li>• Torx: T15 x 100mm, T20 x 100mm, T25 x 100mm</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	10	sets
22-011	Clamp On Meter	<ul style="list-style-type: none"> <li>• AC Current: 600-1000A</li> <li>• DC Current: 600-1000A</li> <li>• AC Voltage: 750V</li> <li>• DC Voltage: 1000V</li> <li>• Resistance: 60MΩ</li> <li>• Frequency: 20MHz</li> <li>• Display count: 6000</li> <li>• Auto range/Diode</li> <li>• Jaw opening: at least 45mm</li> <li>• Continuity buzzer</li> <li>• Data hold/MAX</li> <li>• Low battery indication</li> <li>• Power: 9V battery</li> <li>• Accessories: test leads, output cable</li> </ul>	Electronic Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	5	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
22-013	Pipe Bender, 3/4"	<ul style="list-style-type: none"> <li>• Manual</li> <li>• Capacity: 3/4" thin wall pipe</li> <li>• Material: Cast iron</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	6	pcs
22-014	Pipe Bender, 1/2-1"	<ul style="list-style-type: none"> <li>• Manual</li> <li>• Capacity: 1/2-1" thick wall pipe</li> <li>• Material: Cast iron</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	5	pcs
22-015	Pipe Threader	<ul style="list-style-type: none"> <li>• Manual</li> <li>• size: 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"</li> <li>• includes die heads, ratchet assembly, ratchet handle and alloy dies with case</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	2	pcs

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
22-016	Pipe Cutter	<ul style="list-style-type: none"> <li>• Steel Pipe Cutter</li> <li>• 2 Wheels</li> <li>• Pipe Capacity: 2mm - 50mm</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	3	pcs
22-017	Pipe Bender, 1/2"	<ul style="list-style-type: none"> <li>• Manual</li> <li>• Capacity: 1/2" thin wall pipe</li> <li>• Material: Cast iron</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	5	pcs
22-018	Combination Wrench	<p>20 Piece Wrench Set, SAE &amp; Metric  Open End and Box End  SAE sizes: 1/4, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 and 3/4 inches,  Metric sizes: 6, 8, 10, 12, 13, 14, 15, 16, 17, 18 mm  Material: Alloy Steel</p>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	10	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
22-019	Push-Pull Rule	<ul style="list-style-type: none"> <li>Measuring standard: Metric &amp; English</li> <li>Blade length: 8 m</li> <li>Blade width: Min. 25 mm (1")</li> <li>High impact ABS case with rubber coated</li> </ul>	Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	10	pcs
22-020	Meter Stick	<p>Color: Yellow Material: Wood Length: 1 meter</p>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	10	pcs
22-021	Pipe Wrench	<p>Length= 12" Material: Cast Iron Max Jaw opening: 40-55 mm</p>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	5	pcs

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
22-022	Vise Grip, 7"	7" straight jaw Hard Steel	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	5	pcs
22-023	Vise Grip, 10"	10" straight jaw Chrome plated insulated handle	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	5	pcs
22-024	Tin Snip, 8"	8" metal cutting forged steel	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	5	pcs

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
22-025	Tin Snip, 10"	10" metal cutting forged steel	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	5	pcs
22-026	Ball Peen Hammer	<ul style="list-style-type: none"> <li>• 12 oz</li> <li>• Drop forged carbon steel head</li> <li>• Handle material: Wood</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	10	pcs
22-027	Rubber Mallet	<ul style="list-style-type: none"> <li>• 16 oz (453.6 grams)</li> <li>• Wooden Handle</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	10	pcs

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
22-028	Hack Saw with Blade	<ul style="list-style-type: none"> <li>Adjustable aluminum alloy frame with grip handle</li> <li>90° adjustable blade angle</li> <li>12 inches bi-metal hacksaw blade</li> <li>24 TPI</li> </ul>	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	10	sets
22-029	Steel Rule	Length= 12 in / 30cm English and metric measurement Material: Stainless steel	Tools and Measuring Instruments	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	10	pcs

I hereby commit to comply and deliver all the above requirements in accordance with the above stated schedule.

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Name of Company/Bidder

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Signature over Printed Name of Authorized Representative

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Date

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# Technical Specifications

Lot 10

: Creative Software Packages

APPROVED BUDGET  
FOR THE CONTRACT

: Twenty-Six Million Two Hundred Sixty-Six Thousand One Hundred Eighty-Nine Pesos and 77/100 (P26,266,189.77)

Item Code	Item Name	Agency Specification	Qty	Unit	Statement of Compliance*	Make Brand / Model	Reference
27-001	Adobe Courses with Learning Management System	Kindly refer to the technical specifications attached as Annex B10.	1	license			
27-002	Adobe Certified Associate Global Classroom License		2,000	licenses			
27-003	Adobe Creative Cloud Software		50	licenses			
27-007	Autodesk Learning Management System		1	license			
27-008	Autodesk Product Design & Manufacturing Collection		29	licenses			
27-009	Autodesk Certified Associate Site License Bundle		1,000	licenses			
01-005	SketchUp Studio		30	licenses			
04-126	Color Grading Software		1	license			
04-129	Sound Effects Library		1	set			
04-131	Music Instrument Sound Library		1	set			
04-133	Ultimate Perpetual License Audio and Music Creation Software		3	licenses			
04-136	Final Cut Pro X		40	licenses			

\* Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.

I hereby commit to comply and deliver all the above requirements in accordance with the above schedule.

Name of Company/Bidder

Signature over Printed Name of  
Authorized Representative

Date

Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
27-001	Adobe Courses with Learning Management System	<ul style="list-style-type: none"> <li>• 3-year subscription</li> <li>• No. of user: 2000</li> <li>• Adobe Courses</li> <li>• Customizable courses for TESDA</li> <li>• Student Progress Reporting</li> <li>• Quiz and Survey</li> <li>• Discussions</li> </ul>	Software	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	license
27-002	Adobe Certified Associate Global Classroom License	2000 Exams + Practice Tests 3-year voucher validity Exam taker can take more than one (1) exam	Software		<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	2,000	licenses
27-003	Adobe Creative Cloud Software	OS: Multiple Platform Language: Multi-Asian Language Product Type: Team Licensing Subscription New Level Details: Level 2 Duration: 3 Year Additional Detail: Education Named License Education License: End User needs to qualify based on the parameters set by vendor	Software	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	50	licenses

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
27-007	Autodesk Learning Management System	<ul style="list-style-type: none"> <li>• 3-year subscription No. of user: 936</li> <li>• Autodesk Courses</li> <li>• Customizable courses for TESDA</li> <li>• Student Progress Reporting</li> <li>• Quiz and Survey</li> <li>• Discussions</li> <li>• Official Certificate of Course Completion</li> <li>• Official Certificate of Event Participation (must be Autodesk &amp; TESDA event)</li> </ul>	Software	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	license
27-008	Autodesk Product Design & Manufacturing Collection	<p>Autodesk Product Design &amp; Manufacturing New Single-user ELD 3-year subscription</p> <ul style="list-style-type: none"> <li>• Technical Support</li> <li>• Access to the latest software</li> <li>• Use your software at home or when traveling</li> <li>• Use as many products at the same time within the collection as desired to fully benefit from multi-product workflows</li> <li>• Download and use previous releases</li> </ul>	Software	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	29	licenses

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
		<b>Software Bundle:</b> Inventor Professional Inventor Nastran Inventor CAM Inventor Nesting Inventor Tolerance Analysis Fusion 360 Autocad 3DS Max Navisworks Manage Recap Pro Factory Design Utilities Vault Basic								
27-009	Autodesk Certified Associate Site License Bundle	1000 Exams + Practice Tests 3-year voucher validity Exam taker can take more than one (1) exam	Software	Brochure with picture and data sheet	- Functionality test - Check package completeness	1 Year	Yes	Yes	1,000	licenses
01-005	SketchUp Studio	• 1-year subscription • for macOS	Software	Brochure with picture and data sheet	- Functionality test - Check package completeness	1 Year	Yes	Yes	30	licenses

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-126	Color Grading Software	<ul style="list-style-type: none"> <li>• More GPU Acceleration</li> <li>• Advanced Noise Reduction</li> <li>• Lens Distortion Correction</li> <li>• Professional HDR Scopes</li> <li>• Stereoscopic 3D</li> <li>• Remote Grading</li> <li>• DaVinci Colorspace Transform Language</li> <li>• Scripting and Automation</li> <li>• Workflow Integration Plugins</li> <li>• For Mac./PC</li> <li>• 1 year warranty</li> </ul>	Software	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	license
04-129	Sound Effects Library	<ul style="list-style-type: none"> <li>• 800,000+ Sounds</li> <li>• 357,000+ Files (4.1TB)</li> </ul> <p>More Info</p> <ul style="list-style-type: none"> <li>-4 General Libraries</li> <li>-54 Specialty Libraries</li> <li>• NEW: 17,000+ New Files Added Oct. 2020</li> <li>• NEW: UCS Badge UCS Compliant: Universal Category System</li> <li>• 500+ Categories: Cover any project.</li> <li>• Descriptive Embedded Metadata: View Sound List XLS.</li> <li>• SoundQ Software: 1-Month Subscription More Info</li> <li>• Delivery Options: Hard Drive Only.</li> <li>• 100% Royalty-Free</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	set

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-131	Music Instrument Sound Library	<ul style="list-style-type: none"> <li>• 21 Orchestral And Cinematic Instruments</li> <li>• Platforms For Sampling And Synthesis</li> <li>• 17 Synthesizers</li> <li>• 39 Sampled Instruments</li> <li>• 12 Percussion Tools</li> <li>• 26 Effects</li> <li>• 39 Expansions</li> <li>• Mac/Pc Compatible</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	set
04-133	Ultimate Perpetual License Audio and Music Creation Software	<ul style="list-style-type: none"> <li>• 1-Year Access Complete Plugin Bundle</li> <li>• Compose, Record, Edit, Mix</li> <li>• 192 Inputs</li> <li>• 1-Year Updates + ExpertPlus Support</li> <li>• 384 Audio Tracks, 64 Video Tracks</li> <li>• Upgrade and Support for 1 Year</li> <li>• Mac/PC compatible</li> </ul>	Software	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	3	licenses

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-136	Final Cut Pro X	<ul style="list-style-type: none"> <li>• Perpetual license</li> <li>• 1 license for multiple systems/ number of computers starting at 20 seats</li> <li>• Mac compatible</li> </ul>	Software	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	40	licenses

I hereby commit to comply and deliver all the above requirements in accordance with the above stated schedule.

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Name of Company/Bidder                      Signature over Printed Name of Authorized Representative                      Date

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# Technical Specifications

Lot 11

: Air Conditioning, Refrigeration and Water Dispenser

**APPROVED BUDGET  
FOR THE CONTRACT**

: Three Million Seven Hundred Twenty-Six Thousand Four Hundred Fifteen Pesos and 95/100 (P3,726,415.95)

Item Code	Item Name	Agency Specification	Qty	Unit	Statement of Compliance*	Make Brand / Model	Reference
05-001	Air Conditioning Unit, Split Type	Kindly refer to the technical specifications attached as Annex B11.	50	sets			
05-002	Air Conditioning Unit, Window Type, Mechanical Knob controlled		5	sets			
05-003	Air Conditioning Unit, Window Type, Remote-Controlled		3	sets			
26-001	Refrigerator, single door		1	unit			
26-002	Refrigerator, two door		1	unit			
26-003	Refrigerator, No frost		1	unit			
26-004	Chest Type Freezer		1	unit			
26-005	Upright Freezer		1	unit			
26-006	Hot and Cold Water Dispenser		1	unit			

\* Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.

**I hereby commit to comply and deliver all the above requirements in accordance with the above schedule.**

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Name of Company/Bidder

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Signature over Printed Name of  
Authorized Representative

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Date

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
05-001	Air Conditioning Unit, Split Type	<ul style="list-style-type: none"> <li>• 2.5hp Split type, wall mounted</li> <li>• Inverter</li> <li>• R32 Refrigerant</li> <li>• 230VAC, 60Hz, 1 Phase</li> <li>• With voltage fluctuation protection</li> <li>• Cooling capacity Range: 4,800-22,900 BTU/hr or 5,064-24,161 kJ/hr</li> <li>• Power Consumption Range: 360-2,270 Watts</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	2 Years	Yes	Yes	50	sets
05-002	Air Conditioning Unit, Window Type, Mechanical Knob controlled	<ul style="list-style-type: none"> <li>• Capacity: 2.0 hp</li> <li>• 220-240V, 60Hz</li> <li>• Fan Speed and Thermostat is controlled by mechanical knob</li> <li>• Non-inverter</li> <li>• Window type</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	2 Years	Yes	Yes	5	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
05-003	Air Conditioning Unit, Window Type, Remote-Controlled	<ul style="list-style-type: none"> <li>Capacity: 2.0 hp</li> <li>220-240V, 60Hz</li> <li>Remote controlled</li> <li>Non-inverter</li> <li>Window type</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	2 Years	Yes	Yes	3	sets
26-001	Refrigerator, single door	Capacity: atleast 5 cu. ft. Single Door, Semi-Auto Defrost 220-240V, 60Hz Inverter compressor Roller stand included	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	1	unit
26-002	Refrigerator, two door	Capacity: atleast 6 cu. ft. Two Door, Manual Defrost 220-240V, 60Hz Roller stand included	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	1	unit

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
26-003	Refrigerator, No frost	Capacity: atleast 6 cu. ft. Two Door, No Frost 220-240V, 60Hz Inverter compressor Roller stand included	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	1	unit
26-004	Chest Type Freezer	Capacity: atleast 10 cu. ft. Manual defrost, Quick Freezing 220-240V, 60Hz	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	1	unit
26-005	Upright Freezer	Capacity: at least 6 cu. ft. Manual defrost 220-240V, 60Hz Roller stand included	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	1	unit

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
26-006	Hot and Cold Water Dispenser	Floor Standing 900 to 1000 mm 220-240V, 60 Hz Top Load or Bottom Load	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	1	unit

I hereby commit to comply and deliver all the above requirements in accordance with the above stated schedule.

\_\_\_\_\_  
Name of Company/Bidder

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Signature over Printed Name of Authorized Representative

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Date

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# Technical Specifications

Lot 12 : IT Equipment and Software

APPROVED BUDGET FOR THE CONTRACT : Ninety-Seven Million Six Hundred Fourteen Thousand Eight Hundred Eighty-Five Pesos and 66/100 (₱97,614,885.66)

Item Code	Item Name	Agency Specification	Qty	Unit	Statement of Compliance*	Make Brand / Model	Reference
22-012	Label Printer	Kindly refer to the technical specifications attached as Annex B12.	5	units			
01-004	Tablet		58	units			
01-009	Computer Tower Workstation 64GB		32	units			
01-010	Computer Monitor 27 inches		64	units			
01-011	Computer Monitor 24 inches		31	units			
01-012	Computer Tower Workstation 128GB		17	units			
01-013	Uninterrupted Power Supply, 480W		115	units			
01-015	Laptop, i9 11th Gen, 17-17.5"		26	sets			
01-017	A3 Printer		2	sets			
01-018	CAD Plotter		1	set			
01-019	Flash Drive		90	pcs			
01-020	External Drive Storage		6	pcs			
01-050	Router		10	sets			
01-051	Access Point		10	sets			
01-052	Manage Switch		10	sets			
01-053	Laptop, i9 11th Gen, 15-16"		70	sets			
01-055	Computer Tower Workstation 32GB		15	units			
01-056	Multifunction Trolley Toolbox		10	sets			
01-057	A4 Printer		13	sets			
01-058	Wired Headset		26	sets			
04-117	96 TB 2U Rack Mounted NAS Server		1	set			
04-118	16 Port Unit 10G Manage Switch		1	unit			
04-121	Uninterrupted Power Supply (Smart UPS)		1	unit			
04-122	Firewall Security Device		1	unit			
04-124	16-17" Production Monitor		6	sets			
25-006	Mid-range Laptop	22	sets				

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Item Code	Item Name	Agency Specification	Qty	Unit	Statement of Compliance*	Make Brand / Model	Reference
25-005	Microsoft Office Productivity	Kindly refer to the technical specifications attached as Annex B12.	20	licenses			
27-004	Standalone Computer		35	sets			
27-005	Laptop, 8-core		59	sets			
27-006	Graphics Pen Tablet		30	sets			
01-007	Microsoft 365		290	licenses			
01-054	Windows Server Installer		16	licenses			
04-014	Live Video Streaming Software		1	license			
04-134	Uninterrupted Power Supply, 900W		6	units			

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**I hereby commit to comply and deliver all the above requirements in accordance with the above schedule.**

\_\_\_\_\_  
Name of Company/Bidder

\_\_\_\_\_  
Signature over Printed Name of  
Authorized Representative

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Date

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
22-012	Label Printer	<ul style="list-style-type: none"> <li>• QWERTY keypad</li> <li>• 20mm print speed</li> <li>• Over 300 Electrical and Datacom symbols</li> <li>• printing label: 3.5 - 18 mm, print up to 5 lines, 16 display</li> <li>• max storage: 50 files, 2400 characters</li> <li>• includes: <ul style="list-style-type: none"> <li>- 3.5mm label stickers/tape 10 pcs</li> <li>- 5mm label stickers/tape 10 pcs</li> <li>- 10mm label stickers/tape 10 pcs</li> </ul> </li> <li>• rechargeable Li-ion battery, 6 pcs AA</li> <li>• with power adapter and carrying case</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	5	units
01-004	Tablet	<p>OS: latest version of iOS  12.9 inch (diagonal) multi-touch, fully laminated LED display with IPS technology  2732-by-2048-pixel resolution at 264 pixels per inch (ppi)  128GB  Wi-Fi  Camera-wide: 12MP, 1.8 aperture  Camera: ultra-wide: 2.8 aperture  Supports 4K recording upto 60fps (wide)  Includes USB-C Cable and USB-C Power Adapter, 2-year Protection Plan, Pen and Smart keyboard folio</p>	Gadgets and Devices	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of monitor</li> <li>- Check package completeness</li> <li>- Functionality test</li> </ul>	1 Year	N/A	Yes	58	units

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
01-009	Computer Tower Workstation 64GB	<ul style="list-style-type: none"> <li>• Processor: Xeon Gold 6230R or higher</li> <li>• Operating System: Windows 10 Pro for Workstations or latest version</li> <li>• Chassis Options: Precision 7920 Tower Chassis CL</li> <li>• Graphics Card: RTX5000, 16GB, 4DP</li> <li>• Memory: 64GB 8x8GB DDR4 2933MHz RDIMM ECC Memory</li> <li>• Thermal Cooling: Single Processor Air Heat Pipe</li> <li>• Storage Drive Controllers: MegaRAID SAS 9460-16i 12Gb/s PCIe SATA/SAS HW RAID controller (4GB cache)</li> <li>• Hard Drive: 2.5 1.92TB SATA AG Enterprise Solid State Drive</li> <li>• 2nd Storage Drive: 3.5" 4TB 7200rpm Nearline SAS AG-Enterprise Hard Drive</li> <li>• Keyboard: Wireless Keyboard</li> <li>• Mouse: Dell Optical Mouse</li> <li>• Power Cords: US Power Cord</li> <li>• Warranty: 3 Years ProSupport Day Onsite Service</li> <li>• Accidental Damage: Accidental Damage Service, 3 Years</li> <li>• McAfee Security Software: McAfee Small Business Security 12 month Subscription</li> <li>• PDF Solutions: Adobe Acrobat Pro DC with e-sign- 1 Year Subscription</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Check package completeness</li> <li>- Functionality test</li> </ul>	1 Year	N/A	Yes	32	units

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
		<ul style="list-style-type: none"> <li>• Photo and Video Design: Adobe Photoshop Elements 2021 &amp; Premiere Elements 2021 Bundle</li> <li>• Line Voltage: 100V to 240V AC</li> <li>• Frequency: 50Hz-60Hz</li> <li>• with steel under desk adjustable CPU bracket</li> </ul>								
01-010	Computer Monitor 27 inches	<ul style="list-style-type: none"> <li>• Native Resolution: 3840 x 2160 at 60Hz</li> <li>• Aspect Ratio: 16:9</li> <li>• Refresh Rate: 60 Hz</li> <li>• Panel Type: In-plane switching Type</li> <li>• Response Time: 8 ms (normal), 5 ms (Fast) - (gray to gray)</li> <li>• Connectors: 1 x HDMI port version 2.0, 1 x DisplayPort version 1.2, 2 x High-Speed USB 2.0 downstream ports, 2 x USB 3.2 Gen1 (5 Gbps) downstream ports, 1 x USB Type-C (Alternate mode with DisplayPort 1.2, USB 3.2 Gen1 (5 Gbps) upstream port, Power Delivery PD up to 65 W)</li> <li>• Includes Autovolt (80-240 VAC) power supply adapter</li> <li>• 1-Year Warranty</li> <li>• With Dual Articulating Computer Monitor Arm <ul style="list-style-type: none"> <li>- Aluminum + ABS Material</li> <li>- Support load from 4.4 to 14.3 pounds (2-6.5 kg) for each arm</li> <li>- Compliance with VESA 75x75, 100x100mm</li> </ul> </li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of monitor</li> <li>- Check package completeness</li> <li>- Functionality test</li> </ul>	1 Year	N/A	Yes	64	units

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
		<ul style="list-style-type: none"> <li>- Vertical lifting distance: 9.8 "(250mm)</li> <li>- 360 ° rotary head</li> <li>- 180 ° rotating head</li> <li>- Head tilt angle + 35 ° to -50 °</li> <li>- 360 ° rotating arm</li> <li>- Suitable for desk thickness: 0-95mm</li> <li>- Compatible with computer monitors: 17 to 27 inches</li> <li>- Clamp type</li> </ul>								
01-011	Computer Monitor 24 inches	<ul style="list-style-type: none"> <li>• Resolution" Full HD (1080p) 1920 x 1080 at 75Hz</li> <li>Technology: IPS</li> <li>• Aspect Ratio: 16:9</li> <li>• Refresh Rate: 75 Hz</li> <li>• Panel Type: In-plane switching Type</li> <li>• Includes Autovolt (80-240 VAC) power supply adapter</li> <li>• 1-Year Warranty</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of monitor</li> <li>- Check package completeness</li> <li>- Functionality test</li> </ul>	1 Year	N/A	Yes	31	units
01-012	Computer Tower Workstation 128GB	<ul style="list-style-type: none"> <li>• Processor: Gold 6230R (2.1GHz, 4.0GHz Turbo, 26C,10.4GT/s 2UPI, 35.75MB Cache, HT (150W))</li> <li>DDR4-2933 or higher</li> <li>• Operating System: Windows 10 Pro for Workstations or latest version</li> <li>• Graphics: RTX4000, 8GB, 3DP, Virtual Link (XX20T)</li> <li>• Memory: 128GB 8x16GB DDR4 2933MHz RDIMM ECC Memory</li> <li>• Thermal Cooling: Single Processor Air Heat Pipe</li> <li>• Operating System (Boot) Drive: SATA/SAS Hard Drive/Solid State Drive</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Check package completeness</li> <li>- Functionality test</li> </ul>	1 Year	N/A	Yes	17	units

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
		<ul style="list-style-type: none"> <li>Storage Drive Controllers: Integrated Intel AHCI SATA chipset controller (8x 6.0Gb/s), SW RAID 0,1,5,10</li> <li>Hard Drive: 2.5 1.92TB SATA AG Enterprise Solid State Drive</li> <li>2nd Storage Drive: 2.5 1.92TB SATA AG Enterprise Solid State Drive</li> <li>3rd Storage Drive: 2.5" 2.4TB 10K SAS 12Gbps AG-Enterprise Hard Drive</li> <li>PCIe I/O Cards: Thunderbolt 3 PCIe card - 2 Type C Ports, 1 DP in</li> <li>Warranty: 3 Years ProSupport Onsite Service</li> <li>McAfee Security Software: McAfee® Small Business Security 12 month Subscription</li> <li>Line Voltage: 100V to 240V AC</li> <li>Frequency: 50Hz-60Hz</li> <li>with steel under desk adjustable CPU bracket</li> </ul>								
01-013	Uninterrupted Power Supply, 480W	<ul style="list-style-type: none"> <li>240V, 950VA, 480W</li> <li>Online</li> <li>Overload protection</li> <li>1-Year Warranty</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Check package completeness</li> <li>- Functionality test</li> </ul>	1 Year	N/A	Yes	115	units

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
01-015	Laptop, i9 11th Gen, 17-17.5"	<ul style="list-style-type: none"> <li>• OS: Windows 10 Pro 64-bit or latest version</li> <li>• Processor: i9 11th Gen, 11980HK (8-Core, 24MB L3 Cache, up to 5.0GHz with Turbo Boost Technology) or higher version</li> <li>• Display: 17-17.5" UHD (3840 x 2160) 120Hz 4ms, anti-glare, 100% Adobe, 500 nits, wide-viewing angle</li> <li>• GPU: 3080 16GB GDDR6</li> <li>• RAM: 64GB DDR4 XMP 3466MHz</li> <li>• Storage: 4TB (2x 2TB) M.2 PCIe NVMe SSD RAID 0</li> <li>• Windows 10 Pro 64 bit</li> <li>• McAfee LiveSafe</li> <li>• Includes Autovolt (80-240 VAC) power supply adapter</li> <li>• with mouse and mouse pad</li> <li>• 1-Year Warranty</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of monitor</li> <li>- Functionality test</li> <li>- Checking of specification (offered vs. actual)</li> <li>- Check package completeness</li> <li>- 24 Burn-in test using PassMark</li> </ul>	1 Year	N/A	Yes	26	sets
01-017	A3 Printer	<ul style="list-style-type: none"> <li>• Print, Scan, Copy, Fax with ADF</li> <li>• PrecisionCore Printhead</li> <li>• Bi-directional printing, Automatic 2-sided Printing</li> <li>• 250 sheets input tray</li> <li>• 100 sheets output tray</li> <li>• A3+, A3, A4, A5, A6, B4, B5, Legal, Letter, Half Letter, 5 x 7 ", 4 x 6 ", 3.5 x 5 ", Envelopes: #10, DL, C6, C4</li> <li>• Maximum Resolution: 4800 x 2400 dpi</li> <li>• Ink tank: 1 Black, 1 Color (Cyan, Magenta, Yellow)</li> <li>• Ethernet, Wi-Fi, and Wi-Fi Direct</li> <li>• AC 100 - 240V, 50-60 Hz</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	2	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
01-018	CAD Plotter	<ul style="list-style-type: none"> <li>• PrecisionCore TFP Print Head</li> <li>• Maximum Printable Width: 36-inch</li> <li>• Maximum Resolution: 2880 x 1440 dpi</li> <li>• Ink cartridge (Cyan, Magenta, Yellow, Photo Black, Matte Black)</li> <li>• Ink refill volume: 110 ml, 350ml, or 700ml each 5 colors</li> <li>• USB and Ethernet</li> <li>• AC 100 - 240V, 50-60 Hz</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	set
01-019	Flash Drive	<ul style="list-style-type: none"> <li>• 256GB</li> <li>• High performance with USB 3.0</li> <li>• Full compatibility with USB 2.0</li> <li>• G11 Plug-n-Play compatible</li> <li>• Support for Microsoft Windows, Mac OS X and Linux, with no driver or software installation necessary</li> <li>• USB Standard-A connector works with both USB 3.0 and USB 2.0 ports</li> <li>• Max Sequential Read (CDM): Up to 130MB/s</li> </ul>	Gadgets and Devices	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> </ul>	1 Year	N/A	N/A	90	pcs
01-020	External Drive Storage	<ul style="list-style-type: none"> <li>• USB 3.2, Micro-B</li> <li>• 8TB</li> <li>• 1-Year Warranty</li> </ul>	Gadgets and Devices	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> </ul>	1 Year	N/A	N/A	6	pcs

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
01-050	Router	<ul style="list-style-type: none"> <li>• Network Standard: Wi-Fi 6 (802.11ax), Backwards compatible with 802.11 a/b/g/n/ac Wi-Fi</li> <li>• Data Rate: 2.4GHz AX: 4x4 (Tx/Rx) 1024 QAM 20/40MHz, up to 1148Mbps, 5G-1Hz AX: 4x4 (Tx/Rx) 1024 QAM 20/40/80/160MHz, up to 4804Mbps, 5G-2Hz AX: 4x4 (Tx/Rx) 1024 QAM 20/40/80/160MHz, up to 4804Mbps</li> <li>• Antenna: External antenna x 8</li> <li>• Transmit/Receive: 2.4 GHz 4 x 4, 5 GHz-1 4 x 4, 5 GHz-2 4 x 4</li> <li>• Processor: 1.8GHz quad-core processor</li> <li>• Memory: 256MB NAND flash and 1GB DDR3 SDRAM</li> <li>• Ports: RJ45 for Gigabits BaseT for WAN x 1, RJ45 for Gigabits BaseT for LAN x 4, Multi-Gig Ethernet port 2.5G/1G x1, USB 3.1 Gen 1 x 2</li> <li>• Button: WPS Button, Reset Button, Power Button, Wireless on/off Button, Boost Key</li> <li>• LED Indicator: Power x 1, Wi-Fi x 2, WAN x 1, LAN x 1, USB x 2, WPS x 1, 2.5G Port x 1</li> <li>• 1-Year Warranty</li> </ul>	Gadgets and Devices	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	10	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
01-051	Access Point	<ul style="list-style-type: none"> <li>• Uplink: 2 1000 Base-X transceiver slots</li> <li>• LED indicators: link, activity</li> <li>• Service Port: 10/100 Mbps Ethernet (RJ45)</li> <li>• LED indicators: link, activity</li> <li>• Utility Port: 10/100/1000 Mbps Ethernet (RJ45)</li> <li>• LED indicators: link, activity</li> <li>• Expansion Slots: 1</li> <li>• Console Port: RS232 (DB-9 male, DTE interface)</li> <li>• Other Indicators: Status, Alarm, Power Supply 1, Power Supply 2</li> </ul>	Gadgets and Devices	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	10	sets
01-052	Manage Switch	<ul style="list-style-type: none"> <li>• ETHERNET PORT CONFIGURATION: 24-port 10/100M, 4 x 1G uplinks</li> <li>• CONFIGURATION AND CONTROL: Easy-to-use GUI interface and CLI, FindIT, PnP, Auto Smartports</li> <li>• L2+/L3 FEATURES: Static routing, VLANs, QoS, voice/guest VLAN, GVRP, MSTP, and IGMP snooping</li> <li>• ADVANCED SECURITY: 802.1x, including DVA, Web-based Authentication, MAB, Private VLAN, IPv6 First-Hop Security, IP Source Guard, SCT (CoPP), Storm Control</li> <li>• 1-Year Warranty</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	Yes	Yes	10	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
01-053	Laptop, i9 11th Gen, 15-16"	<ul style="list-style-type: none"> <li>• OS: Windows 10 Pro 64-bit or latest version</li> <li>• i9 11th Gen 11900H (2.50 GHz) or higher</li> <li>• RTX 3080 Laptop GPU 16 GB GDDR6</li> <li>• 32GB Memory 1TB NVMe SSD</li> <li>• 15-16" 1920 x 1080 Anti-Glare Wide View Angle 300 Hz 3 ms</li> <li>• Windows 10 Pro 64 bit</li> <li>• Microsoft Office Home &amp; Business 2019 - Includes Outlook</li> <li>• McAfee LiveSafe Consumer 12 Month Subscription</li> <li>• Includes Autovolt (80-240 VAC) power supply adapter</li> <li>• 1 Lithium Polymer batteries required</li> <li>• with mouse and mouse pad</li> <li>• 1-Year Warranty</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of monitor</li> <li>- Functionality test</li> <li>- Checking of specification (offered vs. actual)</li> <li>- Check package completeness</li> <li>- 24 Burn-in test using PassMark</li> </ul>	1 Year	Yes	Yes	70	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
01-055	Computer Tower Workstation 32GB	<ul style="list-style-type: none"> <li>• Processor: Xeon Processor W-2225 (4C, 4.1GHz 4.6GHz Turbo HT 8.25MB (105W)) DDR4-2933 or higher</li> <li>• Operating System: Windows 10 Pro for Workstations or latest version</li> <li>• Chassis Options: Precision 5820 Tower 425W Chassis</li> <li>• Graphics Card: Dual Radeon Pro WX 5100, 8GB, 4 DP (5820T)</li> <li>• Memory: 32GB 2x16GB DDR4 2933MHz RDIMM ECC Memory</li> <li>• Storage Drive Controllers: MegaRAID SAS 9460-16i 12Gb/s PCIe SATA/SAS HW RAID controller (4GB cache)</li> <li>• Hard Drive: 2.5 1.92TB SATA AG Enterprise Solid State Drive</li> <li>• 2nd Storage Drive: 3.5" 2TB 7200rpm SATA AG-Enterprise Hard Drive</li> <li>• Keyboard: Wired Keyboard</li> <li>• Mouse: Wired</li> <li>• Wireless: Dual Band Wireless</li> <li>• Power Cords: US 125V Power Cord</li> <li>• Warranty: 3 Years Hardware Warranty with Onsite/In-Home Service after Remote Diagnosis</li> <li>• McAfee Security Software: McAfee® Small Business Security 36 month Subscription</li> <li>• Line voltage: 100V to 240V AC</li> <li>• Frequency: 50Hz-60Hz</li> <li>• with steel under desk adjustable CPU bracket</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Check package completeness</li> <li>- Functionality test</li> </ul>	1 Year	Yes	Yes	15	units

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
01-056	Multifunction Trolley Toolbox	<ul style="list-style-type: none"> <li>• 4-in-1 folding workstation</li> <li>• Top detachable toolbox with drawer and one hand operation latch, 2 drawer storage unit with shallow &amp; deep drawer and bottom flip bin with back pocket for long tools storage</li> <li>• 2 wheels</li> <li>• Material: ABS plastic</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity with the quantity including parts and accessories</li> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	Yes	10	sets
01-057	A4 Printer	<ul style="list-style-type: none"> <li>• Print, Scan, Copy</li> <li>• Inkjet</li> <li>• Mac OS and Windows Compatible</li> <li>• 100 sheets input tray</li> <li>• 30 sheets output tray</li> <li>• A4, A5, A6, B5, B6, Legal, Letter, 5 x 7", 4 x 6", Envelopes: #10, DL, C6</li> <li>• Maximum Resolution: 5760 x 1440 dpi</li> <li>• Ink tank: 1 black, 1 color (cyan, magenta, yellow)</li> <li>• Wi-Fi, Wi-Fi Direct</li> <li>• AC 220-240V, 50-60 Hz</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	13	sets
01-058	Wired Headset	<ul style="list-style-type: none"> <li>• Ear Coupling: Circumaural</li> <li>• Eakstop</li> <li>• Freespin</li> <li>• Kevlar-Reinforced Cord</li> <li>• Multi-Device Connectivity</li> <li>• Noise-Canceling Microphone</li> <li>• Air Shock Microphone</li> <li>• usb type</li> <li>• 1-year Warranty</li> </ul>	Gadgets and Devices	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Checking the conformity of hardware vis-a-vis offered specifications</li> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	N/A	Yes	26	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-117	96 TB 2U Rack Mounted NAS Server	<ul style="list-style-type: none"> <li>• CPU: Cores: 4 Threads: 8, Clockspeed: 2.2 GHz, TDP Down: 12 W, TDP Up: 25 W</li> <li>• CPU Quantity: 1</li> <li>• CPU Architecture: 64-bit</li> <li>• CPU Frequency: 4-core 2.2 GHz</li> <li>• System Memory: 8GB DDR4 ECC SODIMM</li> <li>• Maximum Memory Capacity: 32 GB (16 GB x 2)</li> <li>• Drive Bays: 8</li> <li>• 2.5" SATA SSD</li> <li>• RJ45 1GbE LAN Port: 4 (with Link Aggregation / Failover support)</li> <li>• USB 3.2 Gen 1 Port: 2</li> <li>• eSATA Port:1</li> <li>• PCIe Expansion:1 x Gen3 x8 slot (x4 link)</li> <li>• Intended for post production storage, Video Acquisition and for digital signage</li> <li>• 1 year warranty</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	set
04-118	16 Port Unit 10G Manage Switch	<ul style="list-style-type: none"> <li>• Enclosure Type Desktop, rack-mountable - 1U</li> <li>• Ports: 8-port 10 G-Base-T + 8 SFP+ slots + 1 Gigabit OOB port</li> <li>• Device Type: Switch - 16 x 10 Gigabit ports - L3 - managed</li> <li>• Routing Protocol: RIPv2 + static IPv4 routing</li> <li>• Interfaces: 8 x 10Base-T/100Base-TX/1000Base-T/10GBase-T - RJ-45, 8 10G SFP+ slots 1 x console - 9 pin D-Sub (DB-9) - management ,1 x GE OOB port</li> <li>• 1 year warranty</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	unit

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-121	Uninterrupted Power Supply (Smart UPS)	Power Rating: 2.7kWatts / 3.0kVA VA Rating: 2.7kWatts / 3.0kVA Output Voltage: 230V Input Voltage.: 230V Current Rating: 10.5A • For server computer • 1 year warranty	Equipment	Brochure with picture and data sheet	- Functionality test - Check package completeness	1 Year	Yes	Yes	1	unit
04-122	Firewall Security Device	• Threat Defense Software 3 Gbps • IPS Throughput 3 Gbps • Interfaces 8 x RJ45, 2 x SFP, 2 x 10G SFP+ • For server security	Gadgets and Devices	Brochure with picture and data sheet	- Functionality test - Check package completeness	1 Year	Yes	Yes	1	unit
04-124	16-17" Production Monitor	• 16-17" Diagonal Screen Size • Supports 1080p60 Video Signals • SDI Inputs with Active Loop-Through Out • 178°/178° H/V Viewing Angle • Embedded Audio Decoding and Display • 1920 x 1080 Native Resolution • 2 x 3G/HD/SD-SDI Inputs • HDMI and Composite Inputs • Waveform, Vectorscope, Focus Peaking • 12 VDC Input on 4-Pin XLR • For post production • 1 year warranty	Equipment	Brochure with picture and data sheet	- Measurement of monitor - Functionality test - Check package completeness	1 Year	Yes	Yes	6	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
25-006	Mid-range Laptop	OS: Windows 10 Pro 64 bit or latest version Processor: Intel i7 10510U - 10th Gen or higher Base Frequency: 1.8GHz Turbo Frequency: 4.9GHz Cache: 8MB Cache No of Cores: 4 Cores Thermal Design Power: 15W Memory: 16GB DDR4, upgradable to 32GB; Two (2) Memory Slots Storage/ Hard Disk: 256GB SSD + 1TB SATA 5400 RPM Front Camera: 720p Display Screen: 15.6 Full HD 1920 x 1080, high-brightness Backlit TFT LCD 16:9 aspect ratio, Ultra-Slim design Graphics/Video Processor: 2GB, GDDR5 Dedicated Graphics Resolution: 1920 x 1080 pixel Network Interface: Gigabit Ethernet 10/100/1000; Wireless LAN 802.11 AC IEEE 802.11 Bluetooth 5.0 Standard I/O Ports Pointing Device Includes Autovolt (80-240 VAC) power supply adapter with carrying case	Equipment	Brochure with picture and data sheet	- Measurement of monitor - Functionality test - Checking of specification (offered vs. actual) - Check package completeness - 24 Burn-in test using PassMark	1 Year	Yes	Yes	22	sets
25-005	Microsoft Office Productivity	Perpetual license for 1 PC or Mac Classic 2019 versions of Word, Excel, and PowerPoint Microsoft support included for 60 days at no extra cost	Software	Brochure with picture and data sheet	- Functionality test - Check package completeness	1 Year	Yes	Yes	20	licenses

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
27-004	Standalone Computer	<ul style="list-style-type: none"> <li>• 27-inch 5K display</li> <li>• Nano-texture glass</li> <li>• 3.6GHz 10-core , support 10th-generation, Turbo Boost up to 5.0GHz</li> <li>• 64GB 2666MHz DDR4 memory</li> <li>• 5700 XT with 16GB of GDDR6 memory</li> <li>• 2TB SSD storage</li> <li>• 10 Gigabit Ethernet</li> <li>• Mouse 2 + Trackpad 2</li> <li>• Keyboard - US English</li> <li>• Includes Autovolt (80-240 VAC) power supply adapter</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of monitor</li> <li>- Functionality test</li> <li>- Checking of specification (offered vs. actual)</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	35	sets
27-005	Laptop, 8-core	<ul style="list-style-type: none"> <li>• 2.3GHz 8-core 9th-generation or higher</li> <li>• Turbo Boost up to 4.8GHz</li> <li>• 4GB of GDDR6 memory</li> <li>• 16GB 2666MHz DDR4 memory</li> <li>• 1TB SSD storage</li> <li>• 16-inch display with 3072-by-1920 native resolution at 226 pixels per inch with support for millions of colors up to 60Hz refresh rate and P3 wide color</li> <li>• Touch Bar and Touch ID</li> <li>• Four Thunderbolt 3 ports</li> <li>• Compatible with Final Cut Pro</li> <li>• Includes Autovolt (80-240 VAC) power supply adapter</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of monitor</li> <li>- Functionality test</li> <li>- Checking of specification (offered vs. actual)</li> <li>- Check package completeness</li> <li>- 24 Burn-in test using PassMark</li> </ul>	1 Year	Yes	Yes	59	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
27-006	Graphics Pen Tablet	<ul style="list-style-type: none"> <li>Active Area: 16.8 x 11.2 in</li> <li>Battery less pen, 8,192 pen pressure levels, with 3 customizable buttons, replaceable tip</li> <li>Built-in Bluetooth connectivity, USB</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>Measurement of dimension</li> <li>Functionality test</li> <li>Checking of specification (offered vs. actual)</li> <li>Check package completeness</li> </ul>	1 Year	Yes	Yes	30	sets
01-007	Microsoft 365	<ul style="list-style-type: none"> <li>12-month subscription for one person</li> <li>1 TB OneDrive for Business cloud storage with ransomware detection and file recovery</li> <li>One license covers fully-installed Office apps on 5 phones, 5 tablets, and 5 PCs or Macs per user (including Windows, iOS, and Android)</li> <li>Premium versions of Word, Excel, PowerPoint, OneNote, Outlook, Access, Publisher</li> <li>50 GB mailbox and custom email domain address, Skype for Business, Microsoft Teams, SharePoint Online</li> <li>Premium support via chat or phone with Microsoft</li> </ul>	Software	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>Functionality test</li> <li>Check package completeness</li> </ul>	1 Year	Yes	Yes	290	licenses
01-054	Windows Server Installer	<ul style="list-style-type: none"> <li>Microsoft Windows Server latest OS 64-bit, Single Processor</li> <li>Language Supported: English</li> <li>Includes Installation Media</li> </ul>	Software	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>Functionality test</li> <li>Check package completeness</li> </ul>	1 Year	Yes	Yes	16	licenses

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-014	Live Video Streaming Software	<ul style="list-style-type: none"> <li>• Simultaneous streaming, recording, and output</li> <li>• 13 transition effects</li> <li>• Professional HD production on a modest pc</li> <li>• Easy to use, high-performance, animated graphics</li> <li>• HD virtual sets with high quality real-time chroma key</li> <li>• Pc and mac desktop sources</li> <li>• Vmix call: add up to 8 remote guests quickly and easily</li> <li>• Video delay / instant replay</li> <li>• Web browser input</li> <li>• Built-in audio mixer</li> <li>• 4 overlay channels</li> <li>• Supports 2 Direct Monitor Outputs</li> <li>• Supports 2 External Outputs</li> </ul>	Software	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	license
04-134	Uninterrupted Power Supply, 900W	<ul style="list-style-type: none"> <li>• 230V, 1500VA, 6.5A, 900W</li> <li>• Online</li> <li>• Overload protection</li> <li>• 1 year warranty</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Check package completeness</li> <li>- Functionality test</li> </ul>	1 Year	Yes	Yes	6	units

I hereby commit to comply and deliver all the above requirements in accordance with the above stated schedule.

\_\_\_\_\_  
Name of Company/Bidder

\_\_\_\_\_  
Signature over Printed Name of Authorized Representative

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Date

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## Technical Specifications

Lot 13 : Multimedia Equipment

APPROVED BUDGET : Nineteen Million Three Hundred Thousand Eight Hundred Ninety-  
FOR THE CONTRACT : Eight Pesos and 60/100 (₱19,300,898.60)

Item Code	Item Name	Agency Specification	Qty	Unit	Statement of Compliance *	Make Brand / Model	Reference
04-005	Teleprompter	Kindly refer to the technical specifications attached as <b>Annex B13</b> .	1	set			
04-006	55" LED TV Smart Multi View Monitor		3	sets			
04-008	43" Teleprompter Monitor		1	set			
04-009	65" Interactive Display		4	sets			
04-086	Multi Touch Interactive Whiteboard		21	sets			
04-015	USB Audio Interface		2	units			
04-016	HDMI to USB 3.0 Capture Box		3	units			
04-017	Digital Audio Mixer		2	sets			
04-018	Digital Snake		1	set			
04-019	Wireless Microphone System		2	sets			
04-020	In Ear Monitoring System		1	set			
04-021	Speaker Monitor Powered		2	sets			
04-022	12" Powered Bi Amp Monitor Speaker		3	sets			
04-023	Professional Large Diaphragm Headphone		7	sets			
04-024	Point Source Daylight LED		4	sets			
04-139	SDI/HDMI Wireless Video Transmission System		3	sets			
04-038	Server rack cabinet 19 inch 24U		1	pc			
04-039	Cat 5 Touring 100 m		2	rolls			
04-040	9 Feet x 12 Feet LED Wall		2	sets			
04-046	Custom Server Rack		3	pcs			
04-119	Server Workstation Manager	2	sets				
04-125	5" Powered Studio Bi amp Monitor	12	sets				
04-128	Digital Audio Interface	3	units				
04-130	88 Keys MIDI Keyboard Controller	1	set				

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Item Code	Item Name	Agency Specification	Qty	Unit	Statement of Compliance *	Make Brand / Model	Reference
04-132	Eucon Desktop Control Surface Control Panel	Kindly refer to the technical specifications attached as Annex B13.	3	units			
25-003	Teleprompter System		1	set			
25-008	Indoor type LED Wall Display		1	set			

\* Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.

**I hereby commit to comply and deliver all the above requirements in accordance with the above schedule.**

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Name of Company/Bidder

\_\_\_\_\_  
Signature over Printed Name of  
Authorized Representative

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Date

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-005	Teleprompter	<ul style="list-style-type: none"> <li>• Intelligent Scroll Engine</li> <li>• 5" Preview Prompter Monitor</li> <li>• Scroll Control</li> <li>• Prompting Software with Scroll Control</li> <li>• Input connections 1x RJ45, Ethernet, 2x USB2, 1x 12V DC auxiliary input</li> <li>• Max power consumption: 8W</li> <li>• Outputs 2x HD-SDI, 1x RJ45</li> <li>• Selectable Video formats 1080i 50, 1080i 59.94, 1080i 60, 1080p 29.97, 1080p 50, 1080p 60, 720p 50, 720p 60</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of monitor</li> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	set
04-006	55" LED TV Smart Multi View Monitor	<ul style="list-style-type: none"> <li>• 3840 x 2160 Display resolution (h x v, pixels)</li> <li>• Backlight type: direct (full array led)</li> <li>• HDR (high dynamic range) compatibility: (hdr10, hlg, dolby vision)</li> <li>• Picture processor: cognitive processor xr</li> <li>• Dynamic range (hdr)</li> <li>• Smart tv (google tv)</li> <li>• Connectivity <ul style="list-style-type: none"> <li>- HDMI – 4 In</li> <li>- LAN – Ethernet In</li> <li>- Wireless – Wi-Fi / Bluetooth</li> <li>- USB – Yes</li> <li>- Digital Audio – 1 Optical Out</li> <li>- Headphone – 1 Out</li> <li>- Composite A/V – 1 In</li> <li>- Other Connectors – HDMI, USB, LAN, Digital Optical, Headphone, RF In, RS232C, Composite</li> </ul> </li> <li>• Power Supply- 110 V – 240 V AC</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of monitor</li> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	3	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-008	43" Teleprompter Monitor	<ul style="list-style-type: none"> <li>• 43 inches monitor</li> <li>• Full HD</li> <li>• HDMI 2 input</li> <li>• High Dynamic Range</li> <li>• X-Reality™ PRO</li> <li>• With Customised Stand</li> <li>• Power Supply: AC100-240V 50/60Hz</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of monitor</li> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	set
04-009	65" Interactive Display	<ul style="list-style-type: none"> <li>• Display 3,840 x 2,160 (UHD)</li> <li>• Brightness : 350 nit (w Glass, Typ.)</li> <li>• Multi Touch Point : 20 Points (Max.)</li> <li>• Interface : HDMI (3), RGB (1), Audio In (1), RS-232C In</li> <li>• (1), RJ45 (1), USB 3.0 Type A (3), USB 2.0 Type A (3),</li> <li>• Audio Out / Optical Output, Touch USB (2)</li> <li>• Integrated OPS Computer Customized Specs <ul style="list-style-type: none"> <li>• Windows 10</li> <li>• Heavy Duty Mobile Stand</li> <li>• Power Supply: 100-240 Vac, 50/60 Hz</li> </ul> </li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of monitor</li> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	4	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-086	Multi Touch Interactive Whiteboard	<ul style="list-style-type: none"> <li>• Screen Size:86"</li> <li>• Panel Technology: IPS</li> <li>• Aspect Ratio: 16:09</li> <li>• Multi Touch: Max 20 points / Max 10 writing &amp; dual pen compatible</li> <li>• Native Resolution: Ultra HD (3,840 x 2,160 resolution)</li> <li>• (Input) Video / Audio: HDMI (3), RGB / Audio In</li> <li>• (Input) External Control: RS232C In, RJ45</li> <li>• (Input) USB: USB 2.0 (3, Front : 2ea, Bottom side: 1ea Only for software update), USB 3.0 (3), Touch Out(USB2.0,B Type) (2)</li> <li>• Monitor Dimension (W × H × D): 1,957×1,160×86mm</li> <li>• Speaker: Built in 24W (12W + 12W)</li> <li>• Operating System Support: Windows 7/8/10/Windows XP/Linux/Mac/Android (Windows XP/Linux/Mac Support one point touch)</li> <li>• Built-in OPS kit</li> <li>• Supports Air Class &amp; screen sharing</li> <li>• With Modular On-Board-Processing-System</li> <li>Accessory Basic: Power Cord 3 M*1, USB Cable (Type A-Type B) 5 M*1, HDMI Cable 3 M*1, Writing Pen*2pcs, User Manual, QSG, Carton Box, Remote Control</li> <li>• Power Supply: 100-240 V~, 50/60 Hz</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of monitor</li> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	21	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-015	USB Audio Interface	<ul style="list-style-type: none"> <li>• Three ultra-low-noise microphone preamps</li> <li>• Create a mix using the built-in 3 x 2 portable mixer</li> <li>• 5-in, 2-out USB audio interface streams to computer via USB-C</li> </ul>	Gadgets and Devices	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	2	units
04-016	HDMI to USB 3.0 Capture Box	<ul style="list-style-type: none"> <li>• USB 3.0 Interface</li> <li>• Plug-and-Play</li> <li>• Compatible with various operating systems</li> <li>• Stereo line in external audio</li> <li>• Host Connection USB Type-A (USB 3.2 Gen 1 / USB 3.1 Gen 1 / USB 3.0)</li> <li>• Video Input Connectors 1 x HDMI</li> <li>• Input Video Format: HDMI</li> <li>• Audio Input Connectors: 1 x 1/8" / 3.5 mm TRS Stereo Analog Female</li> <li>• Embedded Audio Input:HDMI: 2-Channel</li> <li>• Power Consumption: Device: 5 VDC (3 W)</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	3	units

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-017	Digital Audio Mixer	<ul style="list-style-type: none"> <li>• Up to 40 Simultaneous Input Channels</li> <li>• 25 Phase-Coherent Mix Buses</li> <li>• 16 Microphone Preamps</li> <li>• 5" Full-Color TFT Display Screen</li> <li>• 8 Stereo Signal Processing FX Engines</li> <li>• 17 Motorized Faders</li> <li>• 192 kHz ADC &amp; DAC Converters</li> <li>• AES50 Networking Allows 96-In &amp; 96-Out</li> <li>• 8 DCA &amp; 6 Mute Groups</li> <li>• Switch-Mode Power Supply: Auto-Ranging 100-240 VAC (50/60 Hz) +/- 10%</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	2	sets
04-018	Digital Snake	<ul style="list-style-type: none"> <li>• 32 Mic Preamps with +48V</li> <li>• 16 Low Impedance Line Level Outputs</li> <li>• Ultranet Monitoring System Connectivity</li> <li>• Dual ADAT Outputs</li> <li>• Dual AES50 Ports for Cascading Units</li> <li>• Remote Operation Up to 100 m via CAT5</li> <li>• Rugged 3U Rackmount Chassis</li> <li>• Compatible with Digital Mixer and AES50 Networking</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	set

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-019	Wireless Microphone System	<ul style="list-style-type: none"> <li>• For Presenters and Educators</li> <li>• Remote-Ready Bodypack Transmitter</li> <li>• 3520 Auto-Scan Frequencies</li> <li>• Selectable 10/30/50mW RF Power.</li> <li>• Discreet SL Headmic 1 Omni Headset Mic</li> <li>• True-Diversity Rackmount Receiver</li> <li>• Expandable to 32 Mic Channels/330' Range</li>   <li>• Receiver <ul style="list-style-type: none"> <li>- Frequency range: GBw: 606 - 678 MHz</li> <li>- Dimensions: Approx. 202 x 212 x 43 mm</li> <li>- 6.3 mm jack socket (unbalanced): +12 dBu</li> <li>- Power supply: 12V DC</li> <li>- Antenna connector: 2 BNC sockets</li> </ul> </li>   <li>• Bodypack Transmitter <ul style="list-style-type: none"> <li>- Dimensions: Approx. 82 x 64 x 24 mm</li> <li>- Power supply: 2 AA batteries, 1.5 V or BA 2015 accupack</li> <li>- Powering: 3 V battery / 2.4 V rechargeable battery</li> <li>- AF frequency response: Mic: 80 – 18,000 Hz, Line: 25 – 18,000 Hz</li> </ul> </li>   <li>• Headmic 1 <ul style="list-style-type: none"> <li>- Connector: 3.5 mm jack plug</li> <li>- Frequency response: 20 to 20,000 Hz ± 3 dB</li> <li>- Power supply: 4.5 to 15 V</li> </ul> </li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	2	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
		<ul style="list-style-type: none"> <li>In The Box               <ul style="list-style-type: none"> <li>- Diversity receiver</li> <li>- Headmic 1</li> <li>- Rackmount set</li> <li>- Power supply</li> <li>- 2 AA batteries</li> <li>- 2 rod antennas</li> <li>- Quick guide</li> <li>- Safety guide</li> <li>- Manufacturer declaration sheet</li> </ul> </li> </ul>								
04-020	In Ear Monitoring System	<ul style="list-style-type: none"> <li>Narrowband is Compatible with MPR52 &amp; MRK980 Receivers</li> <li>Not compatible with the MCR42s receiver</li> <li>Linear Mode for Intermod free transmission</li> <li>Narrowband RF transmission – 25KHz tuning bandwidth</li> <li>Receiver               <ul style="list-style-type: none"> <li>- wireless</li> <li>up to 42 MHz switching bandwidth, up to 16 programmable channels</li> <li>- uses 2 AA batteries</li> </ul> </li> <li>Body Pack Transmitter               <ul style="list-style-type: none"> <li>- wireless</li> <li>- frequency range: 470 - 865 MHz</li> <li>- transmission frequency: max 1680</li> <li>- transmission range: 100 meters</li> <li>- up to 42 MHz switching bandwidth, up to 16 programmable channels</li> <li>- input/output audio: 6.3mm jack socket</li> <li>- 12V DC, 350 mA</li> </ul> </li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	set

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
		<ul style="list-style-type: none"> <li>• Headmic</li> <li>- 3.5 mm jack plug</li> <li>- 1.3m cable length</li> <li>- power supply: 4.5 to 15 V</li> </ul>								
04-021	Speaker Monitor Powered	<ul style="list-style-type: none"> <li>• 5" Bi Amplified Nearfield Monitor</li> <li>• 47Hz-25kHz (-6 dB) frequency response</li> <li>• Rear Ported</li> <li>• 100W Class D</li> <li>• Includes power cord and peel-off rubber pads</li> <li>• LF Driver Power Amp: 45W</li> <li>• HF Driver Power Amp: 25W</li> <li>• Total Power: 70W</li> <li>• Input Types: 1 x XLR, 1 x 1/4" TRS</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	2	sets
04-022	12" Powered Bi Amp Monitor Speaker	<ul style="list-style-type: none"> <li>• Power Rating (W, Continuous): 500</li> <li>• Power Rating (W, Peak): 1000</li> <li>• Frequency Response Hz (±3 dB): 57 - 20,000</li> <li>• Maximum SPL (peak dB):126</li> <li>• Coverage Pattern (Nominal): 100° x 60°</li> <li>• Configuration: Active 2-Way</li> <li>• Enclosure Type: Bass-Reflex Loudspeaker</li> <li>• Frequency Range: 48 Hz to 20 kHz - 10 dB</li> <li>• Maximum SPL 126 dB</li> <li>• Max Input Level: <ul style="list-style-type: none"> <li>- Mic Input:</li> <li>- 4 dBu (Balanced)</li> <li>- Line Input:</li> </ul> </li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	3	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
		<ul style="list-style-type: none"> <li>- +14 dBu (Balanced)</li> <li>•</li> <li>• Audio I/O 2 x Combo XLR-1/4" TRS Female Balanced/Unbalanced Mic/Line Input</li> <li>• 1 x XLR 3-Pin Male Balanced Line Thru</li> <li>• Wireless Connectivity: Bluetooth</li> <li>• AC Input Power: Universal: 100 to 240 VAC, 50 / 60 Hz</li> <li>• AC Power Connector: 1 x IEC Input</li> <li>• Current Consumption: 120 VAC: 1.14 A (1/8 Power), 1.71 A (1/4 Power), 2.03 A (1/3 Power)</li> </ul>								
04-023	Professional Large Diaphragm Headphone	<ul style="list-style-type: none"> <li>• Neodymium magnets and 40 millimeter drivers for powerful, detailed sound</li> <li>• Closed ear design provides comfort and outstanding reduction of external noises</li> <li>• 9.8 foot cord ends in gold plated plug and it is not detachable; 1/4 inch adapter included</li> <li>• Folds up for storage or travel in provided soft case</li> <li>• These large diaphragm, foldable headphones feature a rugged construction, a secure, highly effective closed ear design</li> <li>• Connectivity technology : Wired</li> <li>• Design Over-Ear (Circumaural) Earpiece Swivel Yes</li> <li>• Audio Connector to Source: 1/8" / 3.5 mm TRS</li> <li>• Adapter (Included): 1/4" TRS</li> <li>• Cable Length: 9.8 to 9.8' / 2.99 to 2.99 m (Coiled)</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	7	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-024	Point Source Daylight LED	<ul style="list-style-type: none"> <li>• K±200K</li> <li>• CRI: ≥96</li> <li>• TLCI: ≥96</li> <li>• CQS: ≥94</li> <li>• SSI (D55): ≥72</li> <li>• Beam Angle: 105°</li> <li>• Beam Angle (600 Series Hyper Reflector): 55°</li> <li>• Power Consumption: ≤720W</li> <li>• Operating Current: 8A</li> <li>• Operating Voltage (Power Supply): 100V~240V, 50Hz/60Hz</li> <li>• Operating Voltage (Battery): V-Mount / Gold Mount (Two Batteries) Half Output: 12.5V-16.8V (14.4/15A) 22V-33.6V (26V/8.5A,</li> <li>• Operating (Battery): Voltage V-Mount / Gold Mount (Two Batteries) Full Output: 22V-33.6V (26V/18A, 28.8V/16A)</li> <li>• Operating Voltage (3-Pin XLR [48V DC]): 48V/15A</li> <li>• Battery Charging (Voltage): 16.8V/29.4V</li> <li>• Battery Charging (Amperage): 3A</li> <li>• Operating Temperature: -20°C~45°C"</li> <li>• Control Methods: On-board, 2.4GHz, Sidus Link (Sidus Mesh™), Art-net, LumenRadio</li> <li>• Wireless Operating Range (2.4GHz): ≤100m</li> <li>• Wireless Operating Range (Bluetooth): ≤80m</li> <li>• Wireless Operating Range (LumenRadio): ≤100m</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	4	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
		<ul style="list-style-type: none"> <li>• Screen Type: Adaptive Brightness LCD</li> <li>• Firmware Upgradeable: USB (FAT16/FAT32), Sidus Link OTA</li> <li>• Cooling Method: Active Cooling</li> <li>• Weatherproofing: Dust &amp; Light Rain Resistant</li> <li>• Cable Type: Max Head Cable Length: 6m</li> <li>• Cable Type: Power Cable: Neutrik® powerCON AC Power Cable (6m)</li> <li>• Accessory Mount: Bowens Mount</li> <li>• Mounting: 16mm / 28mm   5/8in (Baby Pin) / 1.125in (Junior Pin)</li> <li>• Carrying Case: 16mm / 28mm   5/8in (Baby Pin) / 1.125in (Junior Pin)</li> <li>• compatible with mobile application</li> <li>• Includes Omnidirectional Soft Light Modifier <ul style="list-style-type: none"> <li>- 35.4" Diameter</li> <li>- For Hanging Overhead</li> <li>- Bowens Mount</li> <li>- Near 360° Beam Angle</li> <li>- Shape: Circular</li> </ul> </li> </ul>								
04-139	SDI/HDMI Wireless Video Transmission System	<ul style="list-style-type: none"> <li>• Entry-Level 1080p60 Transmitter/Receiver</li> <li>• SDI/HDMI Input and Output</li> <li>• 400' Range; L-Series Battery Plates</li> <li>• Wi-Fi Transmission to 4 Mobile Devices</li> <li>• Fits Mars 300/400/400S or 400S Pro</li> <li>• Revo Hot Shoe to 1/4"-20 Male Post Adapter</li> <li>• Compatible with DSLR/SLR camera, camcorder, laptop, monitor, tablet, cellphone</li> <li>• With case</li> </ul>	Gadgets and Devices	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	3	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-038	Server rack cabinet 19 inch 24U	<ul style="list-style-type: none"> <li>• 600x600x1200mm floor standing</li> <li>• Rack 19 "from the high-quality RackMatic MobiRack range.</li> <li>• Cabinet size with installed wheels (width x depth x height): 600 x 600 x 1270 mm. Height of the wheels: 70 mm</li> <li>• The 19 "front / rear rack racks are adjustable in depth, as they are mounted on rails that allow them to move in. Thickness of the rack profiles, 2mm</li> <li>• Useful background of 487 mm (from the front frame to the back cover of the cabinet). Distance between front and rear frame of 375 mm</li> <li>• Product Material: Steel</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of dimension</li> <li>- Checking of materials</li> <li>- Functionality testing</li> </ul>	1 Year	N/A	N/A	1	pc
04-039	Cat 5 Touring 100 m	<ul style="list-style-type: none"> <li>• Network cable shall be 100 metres in length</li> <li>• Network cable shall use 1305A cable</li> <li>• Network cable shall be fitted with Neutrik etherCON</li> <li>• NE8MC-1 connector carriers.</li> <li>• Compatible with AES50 networking</li> </ul>	Consumables	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	N/A	N/A	2	rolls

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-040	9 Feet x 12 Feet LED Wall	<ul style="list-style-type: none"> <li>• Pixel Pitch 6mm</li> <li>• Pixel Configuration 3-in-1 SMD</li> <li>• Module Resolution 32*32</li> <li>• Module Pixels 1024 dots</li> <li>• Module Size 192*192mm</li> <li>• Cabinet Size ( W*H) 960*960mm</li> <li>• Pixel Density 40000 dots/m2</li> <li>• Physical Resolution of Panel (W × H) 96 × 192</li> <li>• Weight Per Panel 11.2 kg/panel</li> <li>• Custom Reinforce Support and mounting System</li> <li>• Outdoor</li> <li>• IP66 standard</li> <li>• Include Training and Installation</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	2	sets
04-046	Custom Server Rack	<ul style="list-style-type: none"> <li>• Width: EIA Standard 19" Rack Rails</li> <li>• External Width: 23.6" – 600mm</li> <li>• Height: 78.74" – 2,000mm – Rack Units: 42U</li> <li>• Depths: 39.37" &amp; 41.34"</li> <li>• Sidewalls, Split rear Doors</li> <li>• Baying Kits, Toolless Shelves, Casters, Bolt Down Kits, Cable Management</li> <li>• Power Strips – Vertical or Rackmount, Enclosure Monitoring System</li> <li>• Toolless Blanking Panels, Fans</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of dimension</li> <li>- Checking of materials</li> <li>- Functionality testing</li> <li>- Check package completeness</li> </ul>	1 Year	N/A	N/A	3	pcs

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-119	Server Workstation Manager	<ul style="list-style-type: none"> <li>• CPU quad-core or hexa-core support 10th Gen with latest series</li> <li>• Graphics Card Graphic Cards 8GB compatible with OpenGL 3.2</li> <li>• Storage: SSD 1TB</li> <li>• 32GB RAM</li> <li>• 19" LED Monitor <ul style="list-style-type: none"> <li>- Full HD (1080p), IPS, HDMI/DVI ports, 220 VAC 60Hz, foldable/articulating stand</li> </ul> </li> <li>• Customized Workstation</li> <li>• 1 year warranty</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of monitor</li> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	2	sets
04-125	5" Powered Studio Bi amp Monitor	<ul style="list-style-type: none"> <li>• LF Driver Size: 5"</li> <li>• Frequency Response 43Hz - 40KHz</li> <li>• Max SPL 104dB</li> <li>• Power Output 55 Watts</li> <li>• Input Impedance 5.12KΩ Balanced</li> <li>• Balanced TRS/XLR Combo Jacks</li> <li>• Output Power: 70W</li> <li>• For post production</li> <li>• 1 year warranty</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of monitor</li> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	12	sets
04-128	Digital Audio Interface	<ul style="list-style-type: none"> <li>• Eight of the best performing mic preamps</li> <li>• Four monitor outs</li> <li>• Two high headroom instrument inputs</li> <li>• Built-in talkback mic</li> <li>• Includes 12V-48V DC power supply</li> <li>• Mac/PC compatible</li> <li>• 1 year warranty</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	3	units

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-130	88 Keys MIDI Keyboard Controller	<ul style="list-style-type: none"> <li>• 88-key hammer-action Fatar keybed with true piano feel</li> <li>• Two high-res color screens and Light Guide for at-a-glance visual feedback.</li> <li>• Comes with Komplete 13 Select: 16 premium instruments and effects, including The Gentleman, Massive, Monark, Hybrid Keys, and Raum</li> <li>• Mac/PC compatible</li> <li>• 1 year warranty</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	set
04-132	Eucon Desktop Control Surface Control Panel	<ul style="list-style-type: none"> <li>• 8-fader unit with touch-sensitive motorized faders, touch-sensitive knobs, and touchscreen-integrated keys</li> <li>• Automation LEDs, track color switches</li> <li>• High-speed EuCon Ethernet protocol</li> <li>• Compatible with the free Pro Tools   Control app for iOS and Android</li> <li>• High-resolution OLED displays</li> <li>• Deep integration with Pro Tools and Media Composer, plus native support for 3rd-party audio and video applications</li> <li>• Connect multiple units together or add an optional Pro Tools   Dock to create a single extended, integrated surface with a jog wheel, transport controls, focus fader, and more</li> <li>• High-res metering, including gain reduction, 9.1 surround support, automation status, EQ, dynamics, and panning graphs</li> <li>• Also compatible with other DAWs, including Cubase, Logic Pro, Premiere Pro, and more</li> <li>• Includes Autovolt (80-240 VAC) power supply adapter</li> <li>• Mac/PC compatible</li> <li>• 1 year warranty</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	3	units

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
25-003	Teleprompter System	<ul style="list-style-type: none"> <li>• At least 20" LCD document display</li> <li>• Offering HDMI, DVI, VGA, and Composite inputs and an HDMI output</li> <li>• Min. resolution: 1440x900</li> <li>• AC input: 110 to 240 VAC, 50 / 60 Hz</li> <li>• With software CD included</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of monitor</li> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	N/A	N/A	1	set
25-008	Indoor type LED Wall Display	Indoor SMD LED Display P2.5 LED size: 1.5 (h) x 4 (w) meters Cabinet Size: 1000mm x250mm (WxH) Aluminum Cabinet Weight: 6.3 kg Front Access Service/Maintenance Collapsible Frame & Installation Input Voltage: AC220V/110V±10%, 50Hz Laptop Video processor Built-in power supply Training 2 years warranty	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	N/A	N/A	1	set

I hereby commit to comply and deliver all the above requirements in accordance with the above stated schedule.

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Name of Company/Bidder

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Signature over Printed Name of Authorized Representative

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Date

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# Technical Specifications

Lot 14

: Photography and Videography

APPROVED BUDGET  
FOR THE CONTRACT

: Forty-Two Million One Hundred Ninety-Nine Thousand Eight Hundred  
Nine Pesos and 49/100 (P42,199,809.49)

Item Code	Item Name	Agency Specification	Qty	Unit	Statement of Compliance*	Make Brand / Model	Reference
04-001	12 Channel Digital Video Switcher	Kindly refer to the technical specifications attached as Annex B14.	1	unit			
04-002	1080P Pan-Tilt-Zoom Camera		3	units			
04-003	Universal Remote Control Panel		1	unit			
04-004	Video Camera Tripod		5	sets			
04-010	RU Rack Frame		1	pc			
04-011	Dual 1x4 12G-SDI openGear Distribution Amplifiers		2	units			
04-012	Embedder / Disembedder		2	units			
04-025	RGBW Light Panel		4	sets			
04-027	4K 3-CMOS 1/2" Sensor Camcorder		1	set			
04-140	Short Shotgun Microphone		3	sets			
04-141	2-Person Camera-Mount Wireless Combo Microphone System Kit		3	sets			
04-142	7" HDR Pro/Cinema Monitor-Recorder-Switcher		3	units			
04-031	10" Focusing Accessory		4	pcs			
04-032	12G SDI Coaxial Cable		5	spools			
04-033	BNC Connector		3	pcs			
04-034	XLR Connector		130	pcs			
04-035	PL Connector		40	pcs			
04-036	Audio Cable Balance		2	rolls			
04-048	Camera Protective Case		2	pcs			
04-041	12G SDI Router		2	sets			
04-042	1RU Control Panel for KUMO Routers	2	sets				
04-043	Play Out Work Station	2	sets				

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Item Code	Item Name	Agency Specification	Qty	Unit	Statement of Compliance*	Make Brand / Model	Reference
04-044	Capture / Playback Desktop I/O	Kindly refer to the technical specifications attached as Annex B14.	2	sets			
04-045	Playback Software		2	licenses			
04-058	Full Frame Mirrorless Digital Camera and Accessories		1	set			
04-068	Camera Lights and Accessories		1	set			
04-095	Drone Camera, 7 km range		1	set			
04-096	Drone Camera, 10 km range		1	set			
04-097	Mirrorless Digital Camera 50.1-MP		1	set			
04-107	45 MP Full Frame Mirrorless Camera		1	set			
04-120	Network RX Station for Camcorders		1	set			
04-123	DNXIQ I/O Interface		6	units			
04-127	Element Panel Kit		1	unit			
25-004	DSLR Camera (Secondary camera)		1	set			

\* Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.

**I hereby commit to comply and deliver all the above requirements in accordance with the above schedule.**

\_\_\_\_\_  
Name of Company/Bidder

\_\_\_\_\_  
Signature over Printed Name of Authorized Representative

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Date

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-001	12 Channel Digital Video Switcher	<ul style="list-style-type: none"> <li>• Video Standard : Full HD</li> <li>• Video Format: 1080p 50/59.94/60Hz</li> <li>• 1080i 50/59.94/60Hz</li> <li>• 720p 50/59.94/60Hz</li> <li>• Video Processing: SDI: 4:2:2</li> <li>• HDMI: YUV 4:2:2, RGB: 4:4:4</li> <li>• Input Routable / Crosspoint: All 12, repeatable</li> <li>• Video Input: 8x SDI, 4x HDMI</li> <li>• Computer Graphic Interface: 4 via HDMI</li> <li>• Video Output: 6x SDI Outputs assignable: Multiview, PGM, PWV, PGM+DSK, Clean PGM, Clean PWV, Input 1-12, STILL 1, STILL 2, Flex source</li> <li>• 3x HDMI assignable: Multiview, PGM, PWV, PGM+DSK, Clean PGM, Clean PWV, Input 1-12, STILL 1, STILL 2, Flex source</li> <li>• Built-in Multi-view Monitoring Out: HDMI &amp; SDI assignable</li> <li>• Analogue Audio Input: 4x Balanced XLR</li> <li>• Analogue Audio Output: 2x Balanced XLR</li> <li>• Chromakey: 4</li> <li>• Title Creator: Yes, CG-200 software</li> <li>• free download</li> <li>• Picture in Picture: 8 (4x PIP, 4x Flex Source)</li> <li>• Special Features: 4 User Memory Preset</li> <li>• Free Virtual Set and Stinger transition included</li> <li>• 100-240V, 60hz</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	unit

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-002	1080P Pan-Tilt-Zoom Camera	<ul style="list-style-type: none"> <li>• Fantastic 3G Resolution</li> <li>• 1/2.8" CMOS and Two Megapixel Resolution</li> <li>• 30x Optical Zoom</li> <li>• Simultaneous output 3G-SDI+CVBS+HDMI</li> <li>• Approx. 8.5M pixels</li> <li>• 1080p 59.94/50/29.97/25</li> <li>• 1080i 59.94/50</li> <li>• 720p 59.94/50</li> <li>• 480i, 576i (on CVBS)</li> <li>• 2.14 Mega pixels</li> <li>• Minimum Illumination Color : 0.4 lx, B/W : 0.03 lx (F1.6, 1/30 sec, 50IRE, Gain: High)</li> <li>• Electronic Shutter. 1/25~1/1250 sec (50/25Hz), 1/30~1/1500 sec (59.94/29.97Hz)</li> <li>• Gamma Control: Off / Normal / Standard Mode 1-4</li> <li>• Iris Control: Auto / Manual</li> <li>• Digital Noise Reductions: Yes</li> <li>• White Balance: AWB, MWB, One push WB, Outdoor, Indoor, Fluorescent</li> <li>• AGC / Gain Control: Auto / Manual</li> <li>• Focus Mode: Auto / Manual</li> <li>• Panning / Tilting Range: Pan: 270° , Tilt: +90° to -20° ,</li> <li>• Panning / Tilting Speed: Manual: 1~150°/Sec, Swing: 1~150°/Sec</li> <li>• Preset: 50 Position</li> <li>• Focal Length: f=4.3 mm (WIDE) to 129 mm (TELE), F1.6 to F4.7</li> <li>• Field of View (Horizontal, Wide): Approx. 63.7° (WIDE END) / 2.3° (TELE END)</li> <li>• Video Output: 3G-SDI x1, HDMI x1, CVBS x1</li> <li>• Tally LED: Dual color (Red, Green)</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	3	units

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
		<ul style="list-style-type: none"> <li>• Protocol: VISCA, DVIP</li> <li>• Remote Control Interface and Transmit Distance: RS-422: Transmit up to 1000m, DVIP (RJ45): 100m</li> <li>• Camera Control Unit: RMC-180</li> </ul>								
04-003	Universal Remote Control Panel	<ul style="list-style-type: none"> <li>• Maximum Camera Control: 24</li> <li>• Preset (Position): 7 for each camera</li> <li>• Control Protocol: DVIP, DHCP client</li> <li>• Connection to Cameras: RS-422, Ethernet</li> <li>• Input/Output: USB 2.0 x2, 10/100Mbps Ethernet (RJ-45 connector) x1, RS-422 (RJ-45 connector) x1</li> <li>• Build-it Control Panel: Size: 5", Resolution: 1280 x 720</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	unit
04-004	Video Camera Tripod	<ul style="list-style-type: none"> <li>• Carbon fibre</li> <li>• Fluid Head</li> <li>• Ace 75/2 CF Tripod</li> <li>• Base Mount : 75mm Half Ball</li> <li>• Load Capacity: 4.4 to 17.6 lb / 2 to 8 kg</li> <li>• Weight: 3.7 lb / 1.7 kg</li> <li>• Two-Stage, Three-Section Standard Legs</li> <li>• 16 to 66" Height Range Without Spreader</li> <li>• 8-Step Counterbalance</li> <li>• 31 to 68" Height Range with Spreader</li> <li>• Mid-Level Spread</li> <li>• For Camcorders, DSLRs, and Mirrorless</li> <li>• Padded Carry Bag</li> </ul>	Accessories	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement</li> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	N/A	Yes	5	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-010	RU Rack Frame	<ul style="list-style-type: none"> <li>• 2RU frame with capacity for up to 20 openGear cards</li> <li>• 600 watt power supply with integral cooling, optional 2nd power supply</li> <li>• Front LCD display for name, IP address and fault identification</li> <li>• Frame Glow customized identification and alarming</li> <li>• Support for analog, digital, video, audio, SDI and IP modules in the same frame</li> <li>• Removable front door and air filter for easy fan servicing and maintenance</li> <li>• Standard DashBoard control system for setup, control and monitoring</li> <li>• Optional SNMP control and monitoring, and DataSafe card backup and restore</li> <li>• Includes preinstalled standard network card (MFC-8322-S)</li>   <li>• Input Supply: 100-240 Vac, 50/60 Hz</li> <li>• Card Slots: 20 Slots</li> <li>• Power <ul style="list-style-type: none"> <li>- Total Sum of both outputs not to exceed 500W</li> <li>- Input: 6.3A (650W)</li> <li>- Output 1: 12V 41.6A, 500W maximum</li> <li>- Output 2: -7.5V 5A, 37.5W maximum</li> </ul> </li> <li>• Frame Controller and Fans: <ul style="list-style-type: none"> <li>- Total Power: 50W maximum</li> <li>- Max. Power: +12V Rail 4A, 48W</li> <li>- Max. Power: -7.5V Rail 0.2A (1.5W)</li> </ul> </li> <li>• Reference Inputs: <ul style="list-style-type: none"> <li>- Number of Inputs: 2 looping</li> <li>- Level: 1Vpp nominal</li> </ul> </li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	N/A	N/A	1	pc

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-011	Dual 1x4 12G-SDI openGear Distribution Amplifiers	<ul style="list-style-type: none"> <li>• 2x 12G-SDI BNC inputs</li> <li>• 8x noninverting 12G-SDI BNC outputs</li> <li>• Format agnostic 270 Mbps – 12 Gbps video formats</li> <li>• Automatic input equalization and output reclocking</li> <li>• Support for HDR video</li> <li>• Passes embedded audio, all ancillary data including</li> <li>• closed caption and time code</li> <li>• Input Present and Input SMPTE Lock LEDs</li> <li>• 10x 12G-BNC rear connector module included</li> <li>• Power: 4.5 watts</li> <li>• Hot swappable</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	2	units
04-012	Embedder / Disembedder	<ul style="list-style-type: none"> <li>• openGear compatible card</li> <li>• 3G-SDI Embedder/Disembedder</li> <li>• 8-Channel Balanced Analog Audio I/O</li> <li>• Controlled by DashBoard network control software and external DIP switch</li> <li>• 8x 3-Pin Terminal Block connectors (included)</li> <li>• Compatible with OGX, OG3 and DFR-8321 openGear frames</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	2	units

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-025	RGBW Light Panel	<ul style="list-style-type: none"> <li>• 9,000 lux, at a distance of 1 meter, while maintaining a wide 120° beam angle</li> <li>• Extensive expanded bi-color range</li> <li>• Capable of producing white light from 2,000k to 10,000k</li> <li>• Ability to adjust the white light's green-magenta shift while in CCT mode</li> <li>• Full-color tunability</li> <li>• Superior color rendition</li> <li>• Compact, adaptable design</li> <li>• Extendable control box</li> <li>• Multiple control methods</li> <li>• Professional light modifiers</li> <li>• Hardshell rolling case</li> <li>• Built-in lighting fx</li> <li>• The sidus link ecosystem</li> <li>• compatible with mobile application</li> <li>• AC Input Power: 100 to 240 VAC, 50 / 60 Hz at 4 A</li> <li>• Power Source: AC Adapter, External Battery</li> <li>• Cable Length: 1.97 to 9.84' / 0.6 to 3 m</li> <li>• Remote Control Type: Bluetooth, DMX, Proprietary Wireless</li> </ul> <p>Photometrics</p> <ul style="list-style-type: none"> <li>• 2700K: <ul style="list-style-type: none"> <li>- 82.7 fc / 890 Lux at 9.84' / 3 m</li> </ul> </li> <li>• 6500K: <ul style="list-style-type: none"> <li>- 94.8 fc / 1020 Lux at 9.84' / 3 m</li> </ul> </li> <li>• Includes 33" Lightweight Softbox: <ul style="list-style-type: none"> <li>- Shape: Parabolic</li> <li>- 1.5- and 2.5-Stop Front Diffusers</li> <li>- 1.5-Stop Removable Interior Diffuser</li> <li>- 45° Fabric Grid</li> <li>- Soft, Wraparound Quality of Light</li> </ul> </li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	4	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-027	4K 3-CMOS 1/2" Sensor Camcorder	refer to Technical Specification of Item Code 04-027	Equipment	Brochure with picture and data sheet	- Functionality test - Check package completeness	1 Year	Yes	Yes	1	set
04-140	Short Shotgun Microphone	<ul style="list-style-type: none"> <li>• For Indie Films, TV &amp; Documentaries</li> <li>• Switchable Low-Cut Filter</li> <li>• Phantom Powered</li> <li>• High Sensitivity Requires Less Gain</li> <li>• Operating Voltage: 40 to 52 V (Phantom Power)</li> <li>• Compatible with Item Code 04-034, XLR Connector</li> </ul>	Equipment	Brochure with picture and data sheet	- Functionality test - Check package completeness	1 Year	Yes	Yes	3	sets
04-141	2-Person Camera-Mount Wireless Combo Microphone System Kit	<ul style="list-style-type: none"> <li>• URX-P03D 2-Channel Camera-Mount Receiver</li> <li>• 2 x ECM-V1BMP Omnidirectional Lav Mics</li> <li>• 2 x UTX-B40 Bodypack Transmitters</li> <li>• Waterproof Case &amp; Receiver Output Cables</li> <li>• UTX-P40 Plug-On, Omni Handheld Mic</li> <li>• Battery operated, 2 AA</li> <li>• Compatible with 600mhz frequency allocation</li> </ul>	Equipment	Brochure with picture and data sheet	- Functionality test - Check package completeness	1 Year	Yes	Yes	3	sets
04-142	7" HDR Pro/Cinema Monitor-Recorder-Switcher	<ul style="list-style-type: none"> <li>• 7" 4K HDMI/SDI Monitor-Recorder Switcher</li> <li>• 1920 x 1200 Touchscreen Display</li> <li>• 3000 cd/m<sup>2</sup> Brightness</li> <li>• 5 channel capture</li> <li>• Fast Charger, 2 x Batteries, Cables</li> <li>• Flight Case, Docking Station, Sun Hood</li> <li>• With Accessory Kit <ul style="list-style-type: none"> <li>- two 5200mAH batteries</li> <li>- fast charger</li> <li>- USB docking station</li> <li>- power cable and adapter</li> <li>- 4 Master Caddy II drive caddies</li> <li>- sunhood</li> </ul> </li> </ul>	Equipment	Brochure with picture and data sheet	- Measurement of monitor - Functionality test - Check package completeness	1 Year	Yes	Yes	3	units

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-031	10" Focusing Accessory	<ul style="list-style-type: none"> <li>• 15 to 45° Variable Beam Angle</li> <li>• Vented Design Disperses Heat</li> <li>• Dual Lens Optical Design</li> <li>• Lens: 10" / 25.4 cm Glass Fresnel</li> <li>• Mount Bowens</li> <li>• Photometrics: 18,580 fc / 200,000 lux at 3.28' / 1 m</li> </ul>	Accessories	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	4	pcs
04-032	12G SDI Coaxial Cable	<ul style="list-style-type: none"> <li>• For 12G-SDI Installations</li> <li>• Total length of 300m</li> <li>• Highly Foamed Multi-Layer Insulation</li> <li>• Copper Made Foil &amp; Braided Shielding</li> <li>• Flame Resistance Riser Rated (CMR)</li> <li>• Center Conductor: Solid Annealed Copper 16 AWG</li> <li>• Impedance: 75 Ohms</li> <li>• Shielding: <ul style="list-style-type: none"> <li>- Outer Conductor 1: Copper-Laminated Tape</li> <li>- Outer Conductor 2: Tinned Annealed Copper Braid ≥91%</li> </ul> </li> </ul>	Accessories	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	N/A	N/A	5	spools
04-033	BNC Connector	<ul style="list-style-type: none"> <li>• 75-Ohm BNC Male Connector</li> <li>• 12G-SDI 4K UHD Capable</li> <li>• Crimp Design for Fast Installation</li> <li>• Compatible with Item Code 04-032, 12G SDI Coaxial Cable</li> </ul>	Accessories	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	N/A	N/A	3	pcs
04-034	XLR Connector	<ul style="list-style-type: none"> <li>• Capacitance between contacts. ≤ 4 pF</li> <li>• Contact resistance ≤ 3 mΩ.</li> <li>• Dielectric strength. 1,5 kVdc</li> <li>• Compatible with audio cable, Male 3-Pin</li> <li>• Rated voltage: &lt; 50 V</li> <li>• Cable O.D.: 3.5 - 8.0 mm</li> <li>• Material: Boot: Polyurethane</li> </ul>	Accessories	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	N/A	N/A	130	pcs

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-035	PL Connector	<ul style="list-style-type: none"> <li>• 3 pole 1/4" professional phone plug, nickel contacts, nickel</li> <li>• Shell Extra slim 1/4" plug for highest packing density</li> <li>• Precision machined one-piece contacts - avoid hook up of tip contact</li> <li>• Connector Type: Plug</li> <li>• Gender: male</li> <li>• Rated voltage: 50 V</li> </ul>	Accessories	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	N/A	N/A	40	pcs
04-036	Audio Cable Balance	<ul style="list-style-type: none"> <li>• Braided copper shield</li> <li>• Flexible in extremely cold weather</li> <li>• Cross linked PE insulation</li> <li>• Reduce noise handling</li> <li>• Rejects EMI and RFI</li> <li>• Black matte color jacket</li> <li>• total length of 200 m</li> <li>• Applications: Microphones, portable applications, audio rack wiring, PA systems, and audio patch cords</li> <li>• compatible with Item Code 04-034, XLR Connector and Item Code 04-035, PL connector</li> </ul>	Accessories	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	N/A	N/A	2	rolls
04-048	Camera Protective Case	<ul style="list-style-type: none"> <li>• Fits 3 PTC-140 or PTC-150 cameras in pre-cut foam slots</li> <li>• Heavy-Duty Trunk-Style Hard Case</li> <li>• Pre-Cut Foam for Cameras and Cables</li> <li>• Carrying/Transport Options: Retractable Trolley, Large Hinged Top Handle, Built-In Wheels</li> <li>• Material: Polypropylene Plastic</li> <li>• Compatible with Item Code 04-002, 1080P Pan-Tilt-Zoom Camera</li> </ul>	Accessories	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	N/A	N/A	2	pcs

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-041	12G SDI Router	<ul style="list-style-type: none"> <li>• 16x16 12G-SDI inputs and outputs</li> <li>• Small, portable form factor</li> <li>• Single cable support for 4K/UltraHD</li> <li>• Redundant power supply option</li> <li>• Eight salvos per router</li> <li>• Embedded web server for remote control</li> <li>• 1 USB port to easily configure the router IP address</li> <li>• 5-year warranty</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	2	sets
04-042	1RU Control Panel for KUMO Routers	<ul style="list-style-type: none"> <li>• Small, portable form factor</li> <li>• Control up to 4x KUMOs per router</li> <li>• Support ganged dual and quad port routing</li> <li>• Redundant power supply (option)</li> <li>• USB port to easily configure the router IP address</li> <li>• 5-year warranty</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	2	sets
04-043	Play Out Work Station	<ul style="list-style-type: none"> <li>• Latest OS Pro 10, 64 bits</li> <li>• CPU quad-core or hexa-core support 10th Gen with latest series</li> <li>• Graphics Card Graphic Cards 11GB compatible with OpenGL 3.2</li> <li>• Hard disk: SSD 1TB</li> <li>• 32GB RAM, 60GB SSD</li> <li>• 19" LED Monitor <ul style="list-style-type: none"> <li>- Full HD (1080p), IPS, HDMI/DVI ports, 220 VAC 60Hz, foldable/articulating stand</li> </ul> </li> <li>• Customized Workstation with SDI 12g I/O capability</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Measurement of monitor</li> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	2	sets

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-044	Capture / Playback Desktop I/O	<ul style="list-style-type: none"> <li>• 4K/UltraHD/2K/HD/SD up to 50/60p</li> <li>• 4x bidirectional 3G-SDI spigots with 16-channel embedded audio</li> <li>• HDMI 1.4b monitoring with 8-channel embedded audio, plus 4K to HD downsampling</li> <li>• RGB 4:4:4 12-bit, YCbCr 4:2:2 10-bit and HFR workflows supported</li> <li>• Real time up, down, cross-conversion (HD/SD)</li> <li>• 4K Closed Caption Support</li> <li>• VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance via SDI</li> <li>• PQ, HLG, HDR10, HDR10+ and Dolby Vision Support</li> <li>• HDR Metadata Capture and Auto Playback Detection</li> <li>• Compatible with leading creative apps</li> <li>• Included breakout cable for Ref (Analog or Tri-level), LTC, RS-422, 8-ch AES/EBU</li> <li>• Extend external connectivity with K3G-BOX breakout box</li> <li>• 3-year warranty</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	2	sets
04-045	Playback Software	<ul style="list-style-type: none"> <li>• 1 yr subscription for 1 PC</li> <li>• LED Video Wall Playback Software</li> <li>• Live Composite and Effects</li> <li>• Real Time Rendering. Audio &amp; Visual Plugins</li> <li>• Compatible with PC/Mac</li> </ul>	Software	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	2	licenses
04-058	Full Frame Mirrorless Digital Camera and Accessories	refer to Technical Specification of Item Code 04-058	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	set

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-068	Camera Lights and Accessories	refer to Technical Specification of Item Code 04-068	Accessories	Brochure with picture and data sheet	- Functionality test - Check package completeness	1 Year	Yes	Yes	1	set
04-095	Drone Camera, 7 km range	<p>Flight time: Max at least 23 min. Control range: 7 KM Speed: 94 KM/H Video resolution: 6K/5.2K Sensory range: 30 M Live view: 1080P</p> <p><b>In the Box</b></p> <ul style="list-style-type: none"> <li>• x1 Aircraft</li> <li>• x1 Cendence Remote Controller</li> <li>• x2 Intelligent Flight Battery</li> <li>• x1 Charger</li> <li>• x1 Battery Charging Hub</li> <li>• x4 Propellers (Pair)</li> <li>• x1 Power Cable</li> <li>• x1 micro SD Card (16gb)*</li> <li>• x1 Vision System Calibration Plate*</li> <li>• x1 Gimbal Damper*</li> <li>• x1 Propeller Mounting Plate* (Pair)</li> <li>• x1 Carrying Case*</li> <li>• x1 Battery Insulation Sticker</li> <li>• x1 CinemaDNG and Apple ProRes Activation Key</li> </ul> <ul style="list-style-type: none"> <li>• x1 Zenmuse X7</li> <li>• x1 DL-S 16mm F2.8 ND ASPH Lens</li> </ul>	Equipment	Brochure with picture and data sheet	- Functionality test - Check package completeness	1 Year	Yes	Yes	1	set

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-096	Drone Camera, 10 km range	<ul style="list-style-type: none"> <li>• Max flight time: 31 min</li> <li>• 10 km HD Video Transmission</li> <li>• Thermal Camera: 640 × 512 px, 30 Hz Frame Rate, 16× Zoom</li> <li>• Visual Camera: 48MP, 1/2" CMOS Sensor</li> <li>• 32× Digital Zoom</li> <li>• Centimeter-level Positioning with RTK</li> <li>• Omnidirectional Obstacle Sensing for enhanced flight safety</li> <li>• Password-protected access to aircraft and data</li> <li>• DJI Pilot with Local Data Mode protects drone data</li> <li>• AirSense ADS-B Receiver warns of nearby airplanes and helicopters</li> <li>• Secure data transmission with AES-256 encryption</li> <li>• Self-heating Batteries</li> </ul> <p>In the Box</p> <ul style="list-style-type: none"> <li>• 1 Aircraft × 1</li> <li>• 1 Intelligent Flight Battery × 1</li> <li>• 1 Gimbal Protector × 1</li> <li>• 1 DJI Smart Controller × 1</li> <li>• 1 Battery Charger × 1</li> <li>• 1 Power Cable × 1</li> <li>• 3 pairs of Propeller</li> <li>• Spare Control Stick (pair) × 1</li> <li>• Communication Cable-USB 3.0 Type-C × 1</li> <li>• 24W USB Adapter × 1</li> <li>• Extended port cover × 1</li> <li>• Speaker × 1</li> <li>• Spotlight × 1</li> <li>• Beacon × 1</li> <li>• Protector Case × 1</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	set

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
04-097	Mirrorless Digital Camera 50.1-MP	refer to Technical Specification of Item Code 04-097	Equipment	Brochure with picture and data sheet	- Functionality test - Check package completeness	1 Year	Yes	Yes	1	set
04-107	45 MP Full Frame Mirrorless Camera	refer to Technical Specification of Item Code 04-107	Equipment	Brochure with picture and data sheet	- Functionality test - Check package completeness	1 Year	Yes	Yes	1	set
04-120	Network RX Station for Camcorders	<ul style="list-style-type: none"> <li>Streams Live Video over 4G/LTE or Wifi</li> <li>1920 x 1080 Maximum Resolution</li> <li>Two SDI Outputs for Dual Live Streams</li> <li>Connection Control Manager Software</li> <li>Direct Streaming Camcorders</li> <li>Quality of Service Technology</li> <li>Reference and Timecode Input Connectors</li> <li>Compatible with XD Camcorders</li> </ul>	Equipment	Brochure with picture and data sheet	- Functionality test - Check package completeness	1 Year	Yes	Yes	1	set
04-123	DNXIQ I/O Interface	<ul style="list-style-type: none"> <li>Analog and digital I/O for SD-4K capture</li> <li>HDR monitoring and output</li> <li>Built-in baseband encoding to Avid DNxHR</li> <li>Audio punch-in to Media Composer</li> <li>Universal Mastering</li> <li>Connects to the widest range of cameras and devices</li> <li>12V-24V DC</li> <li>1 year warranty</li> </ul>	Equipment	Brochure with picture and data sheet	- Functionality test - Check package completeness	1 Year	Yes	Yes	6	units
04-127	Element Panel Kit	<ul style="list-style-type: none"> <li>Y Lift, Y Gamma and Y Gain</li> <li>Contrast and Pivot</li> <li>Midtone Detail</li> <li>Color Boost</li> <li>Shadows and Highlights</li> <li>Saturation</li> <li>Luminance Mix</li> <li>47 keys, 45 buttons, aluminum, USB connection</li> <li>Mac/PC compatible</li> <li>1 year warranty</li> </ul>	Equipment	Brochure with picture and data sheet	- Functionality test - Check package completeness	1 Year	Yes	Yes	1	unit

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Item Code	Item Name	Agency Specification	Classification	Test Parameters (Post Evaluation)	Test Parameters (Inspection and Acceptance)	On-site Warranty	Training	English Manual	Qty	Unit
25-004	DSLR Camera (Secondary camera)	<ul style="list-style-type: none"> <li>• Canon full frame with Digic 6+ processor</li> <li>• Compatible with Canon EF lenses</li> <li>• 30 MP</li> <li>• Touchscreen LCD</li> <li>• Manual and Autofocus with 61 (Up to 41 cross-type points)</li> <li>• Full Frame Sensor</li> <li>• 4K@30p and Full HD Video @60fps</li> <li>• 7 Frames Photo Burst</li> <li>• Dual memory slot</li> <li>• Rechargeable Lithium-Ion Battery, 7.2 VDC</li> <li>• with carrying case</li> </ul>	Equipment	Brochure with picture and data sheet	<ul style="list-style-type: none"> <li>- Functionality test</li> <li>- Checking of specification (offered vs. actual)</li> <li>- Check package completeness</li> </ul>	1 Year	Yes	Yes	1	set

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Name of Company/Bidder

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## TECHNICAL SPECIFICATION

<b>Name of The Learning System</b>	<b>4K 3-CMOS ½" Sensor Camcorder</b>
<b>Item Code</b>	04-027
<b>Technology Area(s)</b>	Photography and Videography

### **Camcorder Body (4 sets)**

#### **Specification**

- Integrated 17x Optical Zoom Lens
- Supports XAVC Intra/Long, MPEG HD, DVCAM
- Supports HLG for an HDR Workflow
- 12G-SDI Output Supports 4K 60p
- 4K 60p Recording
- Electronic Variable ND Filter
- Supports S-Log 3
- Simultaneous 4K/HD Recording
- Built-In 2.4/5 GHz Wi-Fi
- Inclusive of 3 BP-U30 Lithium-Ion Batteries

#### **Accessories**

##### **1. Memory Card (4 pcs)**

- 128GB Storage Capacity
- Max Read Speed: 300 MB/s
- UHS-II SDXC/ V90 / U3 / Class 10
- Max Write Speed: 299 MB

##### **2. Memory Card (4 sets, 2 packs per set)**

- 64GB Storage Capacity
- Max Write Speed: 200 MB/s
- Max Read Speed: 440 MB/s
- Supports EB Streaming

##### **3. Card Adapter (4 pcs)**

- Use SDHC/SDXC Cards in XDCAM Equipment
- Works with ExpressCard-Compatible PC/Mac

##### **4. SD Memory Card Reader (4 pcs)**

- Can read various types of memory cards (at least micro SD, SD, CF)
- USB 3 or faster
- Memory Card Slots: 1 x SDXC (UHS-II [312 MB/s])
- Host Connector: 1 x USB Type-A (Male)
- Host Computer Interface: USB 3.1 / USB 3.2 Gen 1 (5 Gb/s)

- Power Source: USB Bus Power
- with LED Indicators

**5. USB 3.0 Reader/Writer Memory Card (4 pcs)**

- USB 3.0 Type-B Interface
- Read Speeds up to 440 MB/s
- Write Speeds up to 350 MB/s
- Bus Powered
- USB 2.0 Compatible
- Windows and Mac Compatible

**6. On Camera Variable Color LED Light (4 pcs)**

- 3200 to 9500K
- 256 LEDs with 45° Beam Angle
- 1500 Lux Brightness at 3.3'
- Single Color Temperature/Dimming Knob
- Accepts L-Series Batteries
- 1/4"-20 Threaded Mounting Hole
- 3200 to 9500K Output
- 1 to 100% Dimming
- 15W Maximum Power Draw
- LCD Info Screen
- Lithium-ion batteries x 3 with rapid charger
- Power: 15W, DC 5-18V

**7. Protective Rain Cover (4 pcs)**

- Nylon Taslan Material
- Multiple Access Points for Controls
- Covered Camera Remains Tripod Mountable
- Clear Vinyl Windows
- Lined with Soft Tricot
- •Tight Fit Around Lens
- Quick-Change Battery Pack

**\*Accessories should be of the same brand with the body**

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Name of Company/Bidder

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Signature over Printed  
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## TECHNICAL SPECIFICATION

<b>Name of The Learning System</b>	<b>Full Frame Mirrorless Digital Camera and Accessories</b>
<b>Item Code</b>	04-058
<b>Technology Area(s)</b>	Photography and Videography

### Digital Camera Body (6 units)

#### **Specification**

- 51.4MP Mirrorless Medium Format Camera
- Full-Frame CMOS Sensor
- Sensitivity: ISO 50-10240
- Still image file format: DCF, JPEG, RAW, TIFF
- Movie recording: MOV, Full HD
- Exposure mode: P (Program AE) / A (Aperture Priority AE) / S (Shutter Speed Priority AE) / M (Manual Exposure)
- Image stabilizer: Mechanical and digital stabilizer
- Continuous shooting: Yes, approximately 3fps
- Focus: Single AF/Continuous AF/ MF with 117 focus points
- Touch screen LCD, can be tilted, 4:3 aspect ratio
- Hot shoe: Yes
- Bluetooth: Yes
- WiFi: Yes
- Terminal: connection port to computer, connection port to display device, microphone and headphone

#### **Accessories (1 set per body)**

- Battery (3 sets, 1 standard accessory plus 2 backup battery)
- Battery grip
- High speed memory card with at least 128GB capacity (3pcs)
- AC power adapter/battery charger
- Cable to connect camera to computer
- Cable to connect camera to display device/monitor
- Hot-shoe mounted microphone with noise filter
- Headphone
- Wireless remote control
- Shoulder strap
- Hot shoe cover
- Utility software
- Owner's manual

### **Lenses (6 pieces each lens)**

- Prime lens 45mm with aperture range of f2.8~f32  
*includes:*
  - Lens hood
  - UV and skylight filter
  - Polarizing filter
  - Protective gear/bag
- Prime lens/portrait lens 80mm with aperture range of f1.7-f22  
*includes:*
  - Lens hood
  - UV and skylight filter
  - Polarizing filter
  - Protective gear/bag
- Standard lens 35mm-70mm with aperture range of f4.5~f32  
*includes:*
  - Lens hood
  - UV and skylight filter
  - Polarizing filter
  - Neutral density filter
  - Protective gear/bag
- Telephoto lens 45mm-100mm with aperture range of f4~f32  
*includes:*
  - Lens hood
  - UV and skylight filter
  - Polarizing filter
  - Neutral density filter
  - Protective gear/bag
- Telephoto lens 100-200mm with aperture range of f5.6~f15.6  
*includes:*
  - Lens hood
  - UV and skylight filter
  - Polarizing filter
  - Neutral density filter
  - Protective gear/bag

### **High-speed Flash (6 pieces)**

- Hot-shoe mount
- TTL
- Can be tilted and can rotated
- Wireless Master/Slave TTL functionality
- Supports high-speed flash sync and multi-flash lighting
- Zoom range 24-105mm
- Weather resistant
- Runs on AA batteries



**Flash accessories**

- Rechargeable battery (3 sets per flash, total number of batteries depends on the number of batteries required by the flash )
- Smart battery charger at least 4 simultaneous charging (4pcs)
- Color filter with honeycomb and barndoor ( 1 set per flash)

**Hardcase (6 pieces)**

- ABS Plastic
- Waterproof
- Trolley type
- With foam divider
- With key lock/padlock
- Can contain 1 set of camera body, lenses and accessories

**\*Lenses and flash should be of the same brand with the body**

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<b>Name of Company/Bidder</b>	<b>Signature over Printed Name of Authorized Representative</b>	<b>Date</b>
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## TECHNICAL SPECIFICATION

<b>Name of The Learning System</b>	<b>Camera Lights and Accessories</b>
<b>Item Code</b>	04-068
<b>Technology Area(s)</b>	Photography and Videography

The set is composed of the following:

### 1. Studio Lights (2 pcs)

- Max 200-400Ws monolight
- Modeling lamp
- Flash duration: 1/50,000 to 1/6000s
- Recycle time: 2.5 sec or less
- Color temperature: 5500-5600 (+/-200)K
- Sync: Cable, Wireless (TTL and HSS) up to 300ft
- Sync mode: high speed sync (upto 1/8000s), first curtain sync, second curtain sync
- Slave triggering
- With built-in reflector
- 100-240 VAC, 50/60 Hz
- LCD Display
- Accessories:
  - Universal wireless flash trigger (receiver and hot shoe mount transmitter), Working Distance: 30m (open area, without interference), Speed sync: 1/250s, 16 channels, master/slave function, 1 set per light

### 2. Studio Lights (2 pcs)

- Max 500-800Ws monolight
- Modeling lamp
- Flash duration: 1/50,000 to 1/6000s
- Recycle time: 2.5 sec or less
- Color temperature: 5500-5600 (+/-200)K
- Sync: Cable, Wireless (TTL and HSS) up to 300ft
- Sync mode: high speed sync (upto 1/8000s), first curtain sync, second curtain sync
- Slave triggering
- With built-in reflector
- 100-240 VAC, 50/60 Hz
- LCD Display
- Accessories:
  - Universal wireless flash trigger (receiver and hot shoe mount transmitter), Working Distance: 30m (open area, without interference), Speed sync: 1/250s, 16 channels, master/slave function, 1 set per light

### 3. Studio Lights (2 pcs)

- Max 1000-1200Ws monolight
- Modeling lamp
- Flash duration: 1/50,000 to 1/6000s
- Recycle time: 2.5 sec or less
- Color temperature: 5500-5600 (+/-200)K
- Sync: Cable, Wireless (TTL and HSS) up to 300ft
- Sync mode: high speed sync (upto 1/8000s), first curtain sync, second curtain sync
- Slave triggering
- With built-in reflector
- 100-240 VAC, 50/60 Hz
- LCD Display
- Accessories:
  - Universal wireless flash trigger (receiver and hot shoe mount transmitter), Working Distance: 30m (open area, without interference), Speed sync: 1/250s, 16 channels, master/slave function, 1 set per light

### 4. Continuous Lighting System (1 set)

- 500D LED bi-color panels
- 3-Light Kit
- 3200K – 5600K variable color temperature
- Aluminum frame, U-shaped yoke with locking knobs
- Power: 100-240 VAC adapter or v-mount batteries
- Accessories
  - Aluminum telescopic light stand, 7-8 ft. full length
  - With barn doors and case

### 5. Light meter (1 unit)

- Light Reading Method: Incident, Reflected
- Measuring Modes: Contrast Ratio, Exposure Correction, Flash to Ambient Ratio, Multiple Flash, Shadow/Highlight: Calculation
- EV Range: -2.5 to 18 EV at ISO 100
- ISO Range: 3.2 to 8000
- Shutter Speed Range: 1/8000 sec to 60 min
- Max Flash Sync Speed: 1/1000
- Measuring Range: 2.5 to 18 EV at ISO 100
- Exposure Memory: Yes
- Battery operated, size AA

### 6. Light Shaping Tool (4 pcs)

- 8-Leaf adjustable barn door
- Material: Metal
- Drop-in

- Compatible with all the studio lights
- 7. Umbrella (1 pc)**
    - 80-120cm diameter
    - 2-in-1 (reflective and shoot-through)
  - 8. Softbox (2 sets)**
    - 1.3' x 1.3', bowens mount, with fabric grid, with removable honeycomb
    - 2' x 3', bowens mount, with fabric grid, with removable honeycomb
  - 9. Reflector holder stand (3 pcs)**
    - Minimum length: 65cm or shorter
    - Maximum length: 175cm or longer
    - Aluminum
  - 10. Reflective bowl (4 pcs)**
    - Light spread: 35–100°
    - Output: 2m
    - Aluminum
  - 11. Reflector (5 pcs)**
    - Oval, Foldable
    - 5-in-1 (white, black, gold, silver, diffuser)
    - Around 100x150cm
    - With Bag
  - 12. Reflector (5 pcs)**
    - Round, Foldable
    - 5-in-1 (white, black, gold, silver, diffuser)
    - at least 100cm diameter
    - With Bag
  - 13. Snoot (1 pc)**
    - Output: 2m
    - Metal
    - With removable grid
  - 14. Power pack electronic flash system (1 unit)**
    - Recycling time: 2.5 seconds or less
    - Flash duration: 1/1200 or faster
    - Color temperature: 5500 (+/-200)K
    - AC Input Power: 120 to 240 VAC, 50 / 60 Hz
    - Watt/Seconds: 2400 Ws
    - 2 outlets, with USB port
    - bowens mount

**15. Speedring (4 pcs)**

- bowens mount
- 8 mounting holes
- Material: Aluminum or steel
- Compatible with all studio lights

**16. Barn door (4 pcs)**

- Square, 4-leaf
- Material: Metal
- Includes Fabric Bag
- Can be mounted to all studio lights

**17. Barn door (2 pcs)**

- Round, 4-leaf
- Material: Metal
- Includes Fabric Bag
- Can be mounted to all studio lights

**18. Honeycomb (2 pcs)**

- Beam Angle: 20°
- Can be mounted to all studio lights

**19. Beauty dish (1 pc)**

- 20.5" white soft light reflector
- bowens mount

**20. Stripbox (1 set)**

- 1 x 3', bowens mount, with fabric grid
- 1 x 4', bowens mount, with fabric grid

**21. Camera Tripod (2 sets)**

- Head
  - Supports up to 17.6 lb
  - Removable tie-down stud to convert to flat base head
  - 5-step (0 to 4) counterbalance
  - Independent 4-step (0 to 3) pan and tilt drag
  - -70° to +90° tilt range
  - Two 3/8"-16 accessory threads
  - Bubble level
- Legs
  - Twin-leg aluminum tripod with 100mm bowl fitting
  - 28 to 63" height range (with head attached)
  - Adjustable/removable mid-level spreader

## **22. Camera Tripod (3 sets)**

- Head
  - Supports up to 8.8 lb.
  - Fluid
  - With sideload plate
  - with 5-step counterbalance
- Legs
  - Supports up to 44 lb.
  - 75mm carbon fiber
  - With removable mid-level spreader and rubber feet
  - Two-stage, three-section flip lock
  - Height range approximately 10 to 60 inch
- With padded carry bag

## **23. Dolly System (1 set)**

- 12ft foldable straight track
- Load Capacity: at least 100 lb.
- 3 x Easy Glide Dolly Wheel Sets
- High-grade Aluminum
- With case/kit

## **24. Light Stand (8 pcs)**

- 4 sections, 3 risers
- Maximum working height: 10.8 ft.
- Minimum working height: 2.9 ft.
- Load Capacity: at least 19 lb.
- Aluminum

## **25. Light Stand (9 pcs)**

- Maximum height: at least 15ft
- Maximum load: at least 5kg
- Tube diameter: 40mm or larger (on the largest segment)
- Preferably with removable spigot adaptor
- Aluminum

## **26. Back Light Stand (1 pc)**

- C-stand with arm, grip head and removable turtle base
- Material: Aluminum
- Maximum Working Height: 270 cm
- Minimum Working Height: 120 cm
- Arm Length: 127 cm
- Max load: 10kg

**27. Wheeled Boom Stands (2 pcs)**

- 3 legged stand with wheels with lock
  - Maximum Working Height: 7.9' / 240 cm
  - Minimum Working Height: 3.9' / 120 cm Stand/Column
- Retractable boom arm/cross bar:
  - Length: at least 2 m
  - Load: 10kg
  - Boom head: angle adjustable, universal mount
- Material: Metal
  
- Includes:
  - Universal head screw to mount different lighting devices to the boom
  - Counter weight bag

**28. Background Stand (1 pc)**

- Set is composed of 2 stands and 1 crossbar
- Crossbar: retractable
- Maximum crossbar length: at least 4m
- Maximum working height: at least 3.5m
- Load: at least 7kg
- Aluminum

**29. Backgrounds (1 set)**

- White, black, grey, chroma green
- Seamless paper
- Width: at least 8ft
- Length: at least 36ft
- Paper density: at least 145gsm

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## TECHNICAL SPECIFICATION

<b>Name of The Learning System</b>	<b>Mirrorless Digital Camera 50.1-MP</b>
<b>Item Code</b>	04-097
<b>Technology Area(s)</b>	Photography and Videography

### **Mirrorless Digital Camera (6 units)**

#### **Specification**

- Sensor Type: 35-mm full frame (35.9 x 24.0 mm), Exmor RS CMOS sensor
- 30fps42 continuous shooting with AF/AE trackingMax travel speed: 15,000 mm/min
- Movie-making with 8K 30p and 4K 120p43
- Image format: .jpg, raw
- Video compression format: MPEG, H.265
- Focus: 759-point. Fast Hybrid AF, Real-time Eye AF
- ISO: 50 to 102400
- 5 Axis image stabilization
- Viewfinder type: 1.6 cm (0.64 type) electronic viewfinder (color)
- Monitor type: 7.5 cm (3.0-type) type TFT, touch screen
- Dual memory card slots
- Interface: USB, Bluetooth, Wireless LAN, Multi-interface shoe, Mic port, Video port (i.e. HDMI, micro HDMI)
- Flash: TTL

#### **Accessories (1 set per body)**

- Battery (3 sets, 1 standard accessory plus 2 backup battery)
- Battery grip
- High speed memory card with at least 128GB capacity (3pcs)
- AC power adapter/battery charger
- Cable to connect camera to computer
- Cable to connect camera to display device/monitor
- Hot-shoe mounted microphone with noise filter
- Headphone
- Wireless remote control
- Shoulder strap
- Hot shoe cover
- Utility software
- Owner's manual

### **Lenses (6 pieces each lens)**

- Prime lens 14mm with aperture range of f1.8-f16  
*includes:*

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- Lens hood
- UV and skylight filter
- Polarizing filter
- Protective gear/bag
- Prime lens/portrait lens 50mm with aperture range of f1.2-f16  
*includes:*
  - Lens hood
  - UV and skylight filter
  - Polarizing filter
  - Protective gear/bag
- Ultra wide zoom lens 12mm-24mm with aperture range of f2.8~f22  
*includes:*
  - Lens hood
  - UV and skylight filter
  - Polarizing filter
  - Neutral density filter
  - Protective gear/bag
- Standard zoom lens 24mm-70mm with aperture range of f2.8~f22  
*includes:*
  - Lens hood
  - UV and skylight filter
  - Polarizing filter
  - Neutral density filter
  - Protective gear/bag
- Telephoto lens 100-400mm with min aperture of f4.5-f5.6 and maximum aperture of 32~40 with image stabilization  
*includes:*
  - Lens hood
  - UV and skylight filter
  - Polarizing filter
  - Neutral density filter
  - Protective gear/bag
- Telephoto lens 200mm-600mm with min aperture of f5.6-f6.3 and maximum aperture of 32~36 with image stabilization  
*includes:*
  - Lens hood
  - UV and skylight filter
  - Polarizing filter
  - Neutral density filter
  - Protective gear/bag

### **High-speed Flash (6 pieces)**

- Hot-shoe mount
- TTL
- Can be tilted and can rotated
- Wireless Master/Slave TTL functionality
- Supports high-speed flash sync and multi-flash lighting

- Zoom range 24-105mm
- Weather resistant
- Runs on AA batteries

**Flash accessories**

- Rechargeable battery (3 sets per flash, total number of batteries depends on the number of batteries required by the flash )
- Smart battery charger at least 4 simultaneous charging (6pcs)
- Color filter with honeycomb and barndoor ( 1 set per flash)

**Hardcase (6 pieces)**

- ABS Plastic
- Waterproof
- Trolley type
- With foam divider
- With key lock/padlock
- Can contain 1 set of camera body, lenses and accessories

**\*Lenses and flash should be of the same brand with the body**

**I hereby commit to comply and deliver all the above requirements in accordance with the above stated schedule.**

Name of Company/Bidder	Signature over Printed Name of Authorized Representative	Date
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## TECHNICAL SPECIFICATION

<b>Name of The Learning System</b>	<b>45 MP Full Frame Mirrorless Camera</b>
<b>Item Code</b>	04-107
<b>Technology Area(s)</b>	Photography and Videography

### **Mirrorless Camera (8 units)**

#### **Specification**

- 45MP Full-Frame CMOS Sensor
- 8K - 8192 x 4320 video resolution
- Sensor-Shift 5-Axis Image Stabilization
- 12 fps Mech. Shutter, 20 fps E. Shutter
- Dual Pixel CMOS AF II with 1053 Points
- 3.2" Vari-Angle Touchscreen LCD
- 5760k dot Electronic viewfinder
- Weather Sealed Body
- Dual memory slot
- Movie format: MP4
- Image format: JPG, RAW
- Terminal: USB type C, Microphone, Headphone, Video terminal
- Image stabilizer: 5 axis in-body both for stills and video

#### **Accessories (1 set per body)**

- Battery (3 sets, 1 standard accessory plus 2 backup battery)
- Battery grip with wireless file transmitter
- High speed memory card with at least 128GB capacity (3pcs)
- AC power adapter/battery charger
- Cable to connect camera to computer
- Cable to connect camera to display device/monitor
- Hot-shoe mounted microphone with noise filter
- Headphone
- Wireless remote control
- Shoulder strap
- Hot shoe cover
- Utility software
- Owner's manual

### **Lenses (8 pieces each lens)**

- Prime lens 50mm f1.2 silent motor  
*includes:*
  - Lens hood
  - UV and skylight filter
  - Polarizing filter
  - Protective gear/bag

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- Prime lens/portrait lens 85mm f1.2 silent motor  
*includes:*
  - Lens hood
  - UV and skylight filter
  - Polarizing filter
  - Protective gear/bag
- Standard zoom lens 24mm-70mm f2.8 silent motor  
*includes:*
  - Lens hood
  - UV and skylight filter
  - Polarizing filter
  - Neutral density filter
  - Protective gear/bag
- Standard zoom lens 28mm-300mm f3.5-f5.6 silent motor with image stabilizer  
*includes:*
  - Lens hood
  - UV and skylight filter
  - Polarizing filter
  - Neutral density filter
  - Protective gear/bag
- Ultra-wide zoom 11mm-24 mm f4 with silent motor  
*includes:*
  - Lens hood
  - UV and skylight filter
  - Polarizing filter
  - Neutral density filter
  - Protective gear/bag
- Telephoto lens 200mm-400mm f4 with silent motor and image stabilizer  
*includes:*
  - Lens hood
  - UV and skylight filter
  - Polarizing filter
  - Neutral density filter
  - Protective gear/bag

### **High-speed Flash (8 pieces)**

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- TTL
- Can be tilted and can rotated
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