

**TERMS OF REFERENCE  
FOR THE PROCUREMENT OF MULTIMEDIA PROJECTORS  
FOR THE PHILIPPINE DEPOSIT INSURANCE CORPORATION**

Fact Sheet for multimedia projectors	MINIMUM MANDATORY REQUIREMENT
Approved Budget for the Contract (ABC)	PHP 884,000.00
<b>1. Projectors</b>	<b>12 Units</b>
<b>a. Main Features</b>	
• <b>No. of Units</b>	<b>Nine (9) units</b>
• Screen brightness	at least 3,000 lumens
• Contrast Ratio	at least 4000:1
• Screen Pixels	at least 1,024 x 768
• Total Pixels	at least 2,359,296
• Aspect Ratio	at least 4:3
• Estimated Life of Lamp (Normal/Eco Mode)	at least 4,000/5,000 hours
• <b>No. of Units</b>	<b>Two (2) units</b>
• Screen brightness	at least 4,000 lumens
• Contrast Ratio	at least 5000:1
• Screen Pixels	at least 1,280 x 800
• Total Pixels	at least 3,072,000
• Aspect Ratio	at least 16:10
• Estimated Life of Lamp (Normal/Eco Mode)	at least 4,000/5,000 hours
• <b>No. of Units</b>	<b>One (1) unit</b>
• Screen brightness	at least 5,000 lumens
• Contrast Ratio	at least 1000:1
• Screen Pixels	at least 1,024 x 768
• Total Pixels	at least 2,359,296
• Aspect Ratio	at least 4:3
• Estimated Life of Lamp (Normal/Eco Mode)	at least 3,000/4,000 hours
<b>b. Common Features</b>	
• Panel Size (Technology)	at least 3LCD 0.59"
• Illumination Uniformity (corner to center)	At least 80%
• Lamp Wattage	at least 230 Watts
• Image Diagonal	at least 30 – 300 inch
• Image Width	at least 0.61 - 6.10 m
• Projector Elevation Adjustment	at least maximum of +/- 4 degrees
• Vertical Keystone Correction	at least up to 10 degrees
• Image Orientation	Normal, Reversed, Inverted
• Built-in Speaker	at least 7 watts
• Ports/Terminals	<ul style="list-style-type: none"> <li>• HDMI</li> <li>• VGA in 1</li> <li>• VGA in 2/VGA Out</li> <li>• AV Audio In/Out</li> <li>• Component/Video In</li> </ul>

	<ul style="list-style-type: none"> <li>• S-Video In</li> <li>• Audio In (VGA)</li> <li>• LAN (RJ45)</li> </ul>
<ul style="list-style-type: none"> <li>• Power Requirements</li> </ul>	100 – 240 V AC, 50/60 Hz
<ul style="list-style-type: none"> <li>• Standard Accessories</li> </ul>	<ul style="list-style-type: none"> <li>• Owner's Manual on CD-ROM,</li> <li>• Wireless Remote Control (w/ batteries)</li> <li>• Quick Start Guide</li> <li>• AC Power Cord</li> <li>• VGA Cable</li> <li>• Projector Bag</li> </ul>
<ul style="list-style-type: none"> <li>• Others</li> </ul>	<ul style="list-style-type: none"> <li>• Auto Keystone</li> <li>• Auto Input Search</li> <li>• Auto PC adjustment</li> <li>• WUXGA – VGA and Mac Compatible</li> <li>• NTSC / PAL / SECAM Compatible</li> <li>• Replaceable Lamp and Filter</li> </ul>
<b>c. Warranty</b>	<ul style="list-style-type: none"> <li>• At least three (3) years on parts and services, except on lamp, glass and lenses, upon issuance of the Certificate of completion and acceptance of the project.</li> <li>• At least six (6) months or 500 hours (whichever comes first) on lamp, glass and lenses.</li> <li>• In case of any technical problem within the warranty period, a service engineer should report on-site within four (4) hours to resolve the problem</li> <li>• In case of defect within the warranty period, a service unit of the same or higher specification should be provided by the supplier, free of charge within 48 hours after the problem was reported to the supplier</li> </ul>
<b>d. Installation, Documentation and Training</b>	<ul style="list-style-type: none"> <li>• Installation of the multi-media projectors shall follow the planned distribution indicated in Annex A.1</li> <li>• Hands-on training and knowledge transfer on the proper use of the equipment and system administration for at least three (3) IT personnel</li> <li>• Complete User, System and Administration manuals</li> </ul>
<b>2. Projector Screens</b>	<b>Ten (10) units</b>
<b>a. Details</b>	<ul style="list-style-type: none"> <li>• Five (5) units with minimum width of 84 in. or 7 ft.</li> <li>• Three (3) units with minimum width of 72 in. or 6 ft.</li> <li>• Two (2) units with minimum width of 96 in. or 8 ft.</li> <li>• All projector screens with minimum height of 60 in. or 6 ft.</li> </ul>
<b>b. Other Features</b>	<ul style="list-style-type: none"> <li>• Manual Pull-down</li> <li>• Matte White Fabric</li> <li>• Wall/Ceiling Mounted</li> </ul>
<b>c. Installation</b>	<ul style="list-style-type: none"> <li>• installation of the projector screens shall follow the planned distribution indicated in Annex A.1</li> </ul>
<b>3. Additional Components</b>	<ul style="list-style-type: none"> <li>• Supply, delivery and installation of nine (9) units of universal ceiling support and brackets consisting of the following: <ul style="list-style-type: none"> <li>▪ One (1) piece customized steel rotating bracket</li> <li>▪ Eight (8) pieces fixed bracket</li> </ul> </li> <li>• Supply, delivery and installation of eight (8) sets of on/off power switches with plate cover and recessed PVC housing</li> <li>• Supply, delivery and installation of twelve (12) sets of HDMI, VGA and RCA Video wall plate outlets and cables</li> </ul>

18

	<ul style="list-style-type: none"> <li>• Supply, delivery and installation of twelve (12) sets HDMI, VGA and RCA Video patch cords with the following technical specifications: <ul style="list-style-type: none"> <li>▪ High Resolution HDMI/VGA Cables and connectors with housing</li> <li>▪ at least 25 AWG 75 ohms coaxial (R.G.B.W.Y)</li> <li>▪ Conductor should be at least 26 AWG tinned copper 11 ohms/100 ft</li> <li>▪ Insulation should be Natural Foamed Polyolefin</li> <li>▪ Shield should be Aluminum polyester 100%</li> <li>▪ Impedance shall be at least 75±3 ohms</li> <li>▪ Attenuation (10Mhz) shall be at least 1.54 db/100ft</li> </ul> </li> <li>• Installation of the universal ceiling brackets, on/off power switches, HDMI, VGA and RCA Video wall plate outlets, patch cords and cables shall follow the planned distribution indicated in Annex B</li> <li>• PVC pipes and mouldings for wall and ceiling should be provided to conceal the cables.</li> <li>• Actual sizes/lengths of cables, pipes and mouldings shall depend on the site inspection to be conducted by the bidder.</li> </ul>
<p><b>4. Delivery and Implementation</b></p>	<ul style="list-style-type: none"> <li>• Delivery of the equipment should be within 45 working days upon receipt of the Notice to Proceed (NTP).</li> <li>• To be delivered at the PDIC Office at SSS Building, 6782 Ayala Avenue corner V. A. Rufino Street, Makati City.</li> <li>• Setup, installation, testing of the equipment and hands-on training should be completed within three (3) months upon receipt of the Notice to Proceed.</li> </ul>
<p><b>5. Other Deliverables</b></p>	<ul style="list-style-type: none"> <li>• Setup and installation of the equipment includes the following activities: <ul style="list-style-type: none"> <li>▪ Boring of holes to set-up the brackets permanently</li> <li>▪ Cable management</li> </ul> </li> <li>• Bid proposal should include the cost of installation of ceiling brackets for projectors, ceiling/wall brackets for projector screens, wall plates, wall PVC mouldings, PVC pipes, wires, terminations and any and all costs for the installation, setup, commissioning of the equipment, and any other ancillary materials/ activities necessary to ensure the successful implementation of the project.</li> <li>• Any cost necessary for the set-up and installation but not included in the financial proposal shall be for the account of the bidder.</li> <li>• Bidders are encouraged to conduct a site inspection where the projectors shall be installed to provide a more accurate quotation.</li> </ul>
<p><b>6. Payment</b></p>	<ul style="list-style-type: none"> <li>• Payment shall be made upon the issuance of the Certificate of completion and acceptance of the project</li> </ul>

18

## INSTALLATION PLAN OF MULTIMEDIA PROJECTOR

ITEM NO.	FLOOR	LOCATION and AREA (in sqm)	Projector Model (in lumens)	Projector Screen	Universal Bracket	Power Switch	Others
1	10th	CAG Conference Room (3.5 x 7.5sqm)	3000	reuse existing screen	reuse existing support and bracket	reuse existing switches	for installation of HDMI, VGA and RCA video wall plate outlets, patch cords and cables
2	10th	RLS Conference Room (3.5 x 7.0sqm)	3000	minimum width of 84in.	fixed support and bracket	for installation	for installation of HDMI, VGA and RCA video wall plate outlets, patch cords and cables
3	10th	ERS Conference Room (3.5 x 7.0sqm)	3000	minimum width of 84in.	fixed support and bracket	for installation	for installation of HDMI, VGA and RCA video wall plate outlets, patch cords and cables
4	10th	OP Conference Room (4.4 x 6.8sqm)	3000	minimum width of 84in.	reuse existing support and bracket	reuse existing switches	for installation of HDMI, VGA and RCA video wall plate outlets, patch cords and cables
5	10th	MSS Conference Room (3.5 x 5.0sqm)	3000	minimum width of 72in.	fixed support and bracket	for installation	for installation of HDMI, VGA and RCA video wall plate outlets, patch cords and cables
6	9th	Legal Conference Room (3.5 x 8.0sqm)	3000	minimum width of 72in.	fixed support and bracket	for installation	for installation of HDMI, VGA and RCA video wall plate outlets, patch cords and cables
7	9th	Training Room (8.5 x 13.3sqm)	5000	minimum width of 96in.	rotating support and bracket	for installation	for installation of HDMI, VGA and RCA video wall plate outlets, patch cords and cables
8	8th	Big Conference Room (4.1 x 9.4sqm)	4000	minimum width of 84in.	fixed support and bracket	reuse existing switches	for installation of HDMI, VGA and RCA video wall plate outlets, patch cords and cables
9	8th	Boardroom (8.0 x 9.5sqm)	4000	minimum width of 96in.	reuse existing support and bracket	reuse existing switches	for installation of HDMI, VGA and RCA video wall plate outlets, patch cords and cables
10	7th	BSD Conference Room (4.0 x 6.5sqm)	3000	minimum width of 72in.	fixed support and bracket	for installation	for installation of HDMI, VGA and RCA video wall plate outlets, patch cords and cables
11	6th	ASG Conference Room A (4.4 x 9.0sqm)	3000	reuse existing screen	fixed support and bracket	for installation	for installation of HDMI, VGA and RCA video wall plate outlets, patch cords and cables
12	6th	ASG Conference Room B (4.4 x 9.0sqm)	3000	minimum width of 84in.	fixed support and bracket	for installation	for installation of HDMI, VGA and RCA video wall plate outlets, patch cords and cables