



HEADQUARTERS
ARMOR (PAMBATO) DIVISION, PHILIPPINE ARMY
SPECIAL BIDS AND AWARDS COMMITTEE
Camp O'Donnell, Sta. Lucia, Capas, Tarlac



SUPPLEMENTAL BID BULLETIN (SBB) NO.2

This SBB No.2 dated 31 October 2023 for the project **ARMOR DIV SBAC PB-029-23; Rotary Flight Simulator System** is issued to clarify, modify or amend items in the Bid Documents. This shall form an integral part of the Bid Documents.

PARTICULARS	CLARIFICATIONS/AMENDMENTS
Section I. Invitation to Bid, Paragraph 2	Section I. Invitation to Bid, Paragraph 2
Bidders should have completed within five (5) years from the date of Submission and Receipt of Bids a Contract similar to the project. The description of an eligible bidder is contained in the Bidding Documents, particularly in Section II (Instructions to Bidders).	Bidders should have completed within ten (10) years from the date of Submission and Receipt of Bids a Contract similar to the project. The description of an eligible bidder is contained in the Bidding Documents, particularly in Section II (Instructions to Bidders).
Section II. instruction to Bidders	Section II. instruction to Bidders
5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project for at least five (5) years with the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:	5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project for at least ten (10) years with the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:

<p>Bid Data Sheet 5.3 Eligible Bidders</p> <p>For this purpose, contracts similar to the Project shall be:</p> <ul style="list-style-type: none"> a. referred to the supply and delivery of Flight Simulator (Helicopter). b. completed within five (5) years prior to the deadline for the submission and receipt of bids. 	<p>Bid Data Sheet 5.3 Eligible Bidders</p> <p>For this purpose. Contracts similar to the Project shall include:</p> <ul style="list-style-type: none"> a. supply and delivery of Flight Simulator. b. repair and maintenance of a Flight Simulator. c. has been engaged in the manufacturing/supplying main and material components of an aircraft, including its systems. d. completed within ten (10) years prior to the deadline for the submission and receipt of bids.
<p>Bid Data Sheet</p> <p>20.2 Post Qualification</p> <p>Post-Qualification Requirements in accordance with Section 34.2 of the 2016 Revised IRR of RA No 9184.</p> <p>The Lowest Calculated Bid shall submit ALL of the following Post-Qualification requirements as indicated in Section VIII of this document:</p> <p>TAB K</p> <p>Current and valid Manufacturer’s ISO Certificate or other certificates to establish the manufacturer’s entity as a legal and authorized manufacturer/supplier of Flight Simulator. The validity or scope of the ISO or other certificate must cover the production or design or manufacturing or inspection or other related services of the items subject of the bidding.</p>	<p>Bid Data Sheet</p> <p>20.2 Post-Qualification Requirements in accordance with Section 34.2 of the 2016 Revised IRR of RA No 9184.</p> <p>The Lowest Calculated Bid shall submit ALL of the following Post-Qualification requirements as indicated in Section VIII of this document:</p> <p>TAB K</p> <p>Current and valid Manufacturer’s ISO Certificate or other certificates to establish the manufacturer’s entity as a legal and authorized manufacturer/supplier of Flight Simulator. The validity or scope of the ISO or other certificate must cover the production or design or manufacturing or inspection or other related services of the items subject of the bidding.</p> <p>Other certificates may include any letter of authority/approval issued by a regulatory government agency, both foreign or local, certifying the qualification of the supplier/manufacturer of a flight simulator.</p>
<p>Section V. Special Conditions of Contract</p>	<p>Section V. Special Conditions of Contract</p>
<p>For Goods supplied from within the Philippines:</p>	<p>For Goods supplied from within the Philippines:</p>

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<p>Upon delivery of the Goods to the Project Site, the Supplier shall notify the Procuring Entity and present the following documents to the Procuring Entity:</p> <p>vi. Inspection and Acceptance Report of the PA Technical Inspection and Acceptance Committee for Aircraft Spares (PATIAC – Aircraft Spares) that the products passed; and</p>	<p>Upon delivery of the Goods to the Project Site, the Supplier shall notify the Procuring Entity and present the following documents to the Procuring Entity:</p> <p>vi. Inspection and Acceptance Report of the PA Technical Inspection and Acceptance Committee for Rotary Flight Simulator System (PATIAC – Rotary Flight Simulator System) that the products passed; and</p>
<p>For Goods supplied from abroad:</p> <p>Upon shipment, the Supplier shall notify the Procuring Entity and the insurance company by cable the full details of the shipment, including Contract Number, description of the Goods, quantity, vessel, bill of lading/airway bill number and date, port of loading, date of shipment, port of discharge etc. Upon delivery to the Project Site, the Supplier shall notify the Procuring Entity and present the following documents as applicable with the documentary requirements of any letter of credit issued taking precedence:</p> <p>vi. Inspection and Acceptance Report of the PA Technical Inspection and Acceptance Committee for Aircraft Spares (PATIAC – Aircraft Spares) that the products passed; and</p>	<p>For Goods supplied from abroad:</p> <p>Upon shipment, the Supplier shall notify the Procuring Entity and the insurance company by cable the full details of the shipment, including Contract Number, description of the Goods, quantity, vessel, bill of lading/airway bill number and date, port of loading, date of shipment, port of discharge etc. Upon delivery to the Project Site, the Supplier shall notify the Procuring Entity and present the following documents as applicable with the documentary requirements of any letter of credit issued taking precedence:</p> <p>vi. Inspection and Acceptance Report of the PA Technical Inspection and Acceptance Committee for Rotary Flight Simulator System (PATIAC – Rotary Flight Simulator System) that the products passed; and</p>
<p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site are:</p> <p>Chairman, Philippine Army Technical Inspection and Acceptance Committee for Aircraft Spares (PATIAC – Aircraft Spares for this project, 3rd FPAO Representative, and Assistant Chief of Staff for Fiscal Management, OG10, and representatives of AvnR (P), PA.</p>	<p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site are:</p> <p>Chairman, Philippine Army Technical Inspection and Acceptance Committee for Rotary Flight Simulator System (PATIAC – Rotary Flight Simulator System for this project, 3rd FPAO Representative, and Assistant Chief of Staff for Fiscal Management, OG10, and representatives of AvnR (P), PA.</p>
<p>a. Final Inspection and Acceptance at the Delivery Site after the GOODS’ arrival. Completeness and appropriateness of the delivered goods shall be conducted by the</p>	<p>a. Final Inspection and Acceptance at the Delivery Site after the GOODS’ arrival. Completeness and appropriateness of the delivered goods shall be conducted by the</p>

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<p>TIAC. The PROCURING ENTITY shall issue the following documents after the successful completion of the inspection.</p> <p>(c.1) Certificate of Final Acceptance by the PA TIAC – Flight Simulator (Helicopter) with attached Certification that the GOODS delivered passed the Pre- Delivery Inspection.</p>	<p>TIAC. The PROCURING ENTITY shall issue the following documents after the successful completion of the inspection.</p> <p>(c.1) Certificate of Final Acceptance by the PA TIAC – Rotary Flight Simulator System with attached Certification that the GOODS delivered passed the Pre- Delivery Inspection.</p>				
<p>Spare Parts –</p> <p>The Supplier is required to provide all of the following materials, notifications, and information pertaining to all the parts / spare parts of the Flight Simulator (Helicopter) manufactured or distributed by the Supplier</p> <p>a. All Flight Simulator (Helicopter) items / spare parts must have a corresponding Airworthiness Tag or its equivalent</p>	<p>Spare Parts –</p> <p>The Supplier is required to provide all of the following materials, notifications, and information pertaining to all the parts / spare parts of the Rotary Flight Simulator System manufactured or distributed by the Supplier.</p>				
<p>Section VII. Technical Specifications</p>	<p>Section VII. Technical Specifications</p>				
<ul style="list-style-type: none"> • Full Motion Rotary Wing Flight Simulator with Robinson R44 Control Configuration and Instrumentation, World Wide and Philippine Database of Nav aids and Airport and World-Wide Terrain Database featuring Lockheed-Martin's Prepared (Include 12 months warranty) • Instructors Station Tablet PC Instructors Station Software and Interaction Connection • Approved Stabilized AVR Power Transformer/Convert 220V to 110V • Stabilized AVR Power Transformer/Convert 220V to 110V RealNav 4 Subscription-Quarterly Updates- 1 Year (Mandatory) 	<p>The technical specifications, as approved by the higher headquarters of the Philippine Army, shown in the bidding documents, remain the same. However, the following parameters may be considered for the purpose of deciding whether to submit a bid. The following specifications, however, may not be the sole basis for disqualification of the bid or considered a modification of the approved technical specifications.</p> <table border="1" data-bbox="810 1429 1516 1930"> <tr> <td data-bbox="810 1429 922 1930" rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">Flight Simulator System (Hardware)</td> <td data-bbox="922 1429 1516 1666"> <ul style="list-style-type: none"> • 1x - Motion Platform – Gimbaled, steel motion platform with movement in pitch, roll and yaw. Includes all motors, sensors, and safety controls. (At least three (3) axis motion) </td> </tr> <tr> <td data-bbox="922 1666 1516 1778"> <p>1x - Cockpit Enclosure – cockpit enclosure to exclude distractions.</p> </td> </tr> <tr> <td data-bbox="922 1778 1516 1930"> <p>1x T Bar Cyclic (R44) – Dual, Control loaded pitch and roll controller for helicopter systems operation.</p> </td> </tr> </table>	Flight Simulator System (Hardware)	<ul style="list-style-type: none"> • 1x - Motion Platform – Gimbaled, steel motion platform with movement in pitch, roll and yaw. Includes all motors, sensors, and safety controls. (At least three (3) axis motion) 	<p>1x - Cockpit Enclosure – cockpit enclosure to exclude distractions.</p>	<p>1x T Bar Cyclic (R44) – Dual, Control loaded pitch and roll controller for helicopter systems operation.</p>
Flight Simulator System (Hardware)	<ul style="list-style-type: none"> • 1x - Motion Platform – Gimbaled, steel motion platform with movement in pitch, roll and yaw. Includes all motors, sensors, and safety controls. (At least three (3) axis motion) 				
	<p>1x - Cockpit Enclosure – cockpit enclosure to exclude distractions.</p>				
	<p>1x T Bar Cyclic (R44) – Dual, Control loaded pitch and roll controller for helicopter systems operation.</p>				

		<p>2x – Anti-torque Pedals – Dual anti-torque control pedals.</p> <p>2x – Collective Controls – Dual Collective controls with throttles and switches for governor and flight</p> <p>Instrument Controls (R44) – Flight Instruments, radios, helicopter configuration and systems controls. (Preferably OEM)</p> <p>Simulator Computer – Host computer for flight simulation engine, simulation engine, simulation control software, helicopter systems and instruments.</p> <p>1x – Motion Control computer – Host computer for FMX Control.</p> <p>1 x – Robinsons Switch Panel – For Robinson R44, switches for electrical, starting helicopter and lights.</p> <p>Multiple Flat Panel Displays (Covers at least 180 degrees view) or Dome type projection for exterior views</p> <p>1x - Instructors station computer or wireless mobile device – Host device for instructors’ station.</p>
	<p>Flight Simulator System (Software)</p>	<p>1x – Flight simulator software – Virtual flight instruments, radios, gauges, indicators, alerts, misc. instruments, and logic controls for simulated systems.</p> <p>Windows 10 – Operating Systems or higher.</p> <p>Prepar3D (Lockheed Martin) – Simulation engine with perpetual subscription.</p>

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		Flight Dispatch Simulator – Simulation control and component integration.
		FMX Control – Motion system control and component integration.
		Control – Software that inputs user control surfaces (cyclic, collective, throttle, etc.)
		Software that input user switches (Master battery, alt., starter, etc.)
		Instrument Procedures Database – Provides for FAA published instrument navigation procedures, database per 14 CFR 97 (enroute, approach)
		Instructors Station – Environment, location and failure controls with map, track, and glideslope display.
		Software for Navigation – Environment, location and failure controls with map, track, and glideslope display.
		Software for links on iOS aviation or navigational apps to devices.
		Software for ATC services.
		Software that provides instructors live video feed of the cockpit and instrumentation through Prepar3D software.
	Power system	Stabilized power transformer/converter 220V to 110V
		UPS min capable for 8 hours.
	Warranty	Free ten (10) year repair and/or replacement, and maintenance of all software and hardware parts.
		Product updates support by email and phone

	Accessories	Warranty Certificate
	Training	User's Manual: Hard and electronic copy User's Trainings (Local or Manufacturer's location) Maintenance Training (Local or Manufacturer's location)
<p align="center">STATEMENT OF COMPLIANCE</p> <p>Full Motion Rotary Wing Flight Simulator with Robinson R44 Control Configuration and Instrumentation, World Wide and Philippine Database of Nav aids and Airport and World-Wide Terrain Database featuring Lockheed-Martin's Prepared (Include 12 months warranty)</p>	<p align="center">STATEMENT OF COMPLIANCE</p> <p>Full Motion Rotary Wing Flight Simulator with Robinson R44 Control Configuration and Instrumentation, World Wide and Philippine Database of Nav aids and Airport and World-Wide Terrain Database featuring Lockheed-Martin's Prepar 3D (Include perpetual subscription)</p>	
<p>Section VIII. Checklist of Technical and Financial Documents</p>	<p>Section VIII. Checklist of Technical and Financial Documents</p>	
<p>I. TECHNICAL COMPONENT ENVELOPE</p> <p>Class "A" Documents</p> <p><u>Technical Documents</u></p> <p>b. Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid;</p> <p>c. Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents;</p> <p>d. Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; or Original copy of Notarized Bid Securing Declaration;</p>	<p>I. TECHNICAL COMPONENT ENVELOPE</p> <p>Class "A" Documents</p> <p><u>Technical Documents</u></p> <p>b. Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid;</p> <p>c. Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents;</p> <p>d. Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; or Original copy of Notarized Bid Securing Declaration;</p>	

e. Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable;

f. Original duly signed Omnibus Sworn Statement (OSS); and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

h. Proof of Authority of the designated representative/s for purposes of the bidding.

g. Warranty Undertaking/Certificate.

h. Valid and current Certificate of Authorized Representative issued by an authorized Robinson Helicopter Company Service Center in the Philippines.

Financial Documents

i. The prospective bidder's computation of Net Financial Contracting Capacity (NFCC); or A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, which must be effective or available on the date of the bid submission

Class "B" Documents

j. If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence; or duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA if the bid succeeds.

II. FINANCIAL COMPONENT ENVELOPE

k. Original of duly signed and accomplished Financial Bid Form;

l. Original of duly signed and accomplished Price Schedule(s).

Other documentary requirements under RA No. 9184 (as applicable)

e. Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable;

f. Original duly signed Omnibus Sworn Statement (OSS); and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

g. Proof of Authority of the designated representative/s for purposes of the bidding.

h. Warranty Undertaking/Certificate.

Financial Documents

i. The prospective bidder's computation of Net Financial Contracting Capacity (NFCC); or A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, which must be effective or available on the date of the bid submission

Class "B" Documents

j. If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence; or duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA if the bid succeeds.

II. FINANCIAL COMPONENT ENVELOPE

k. Original of duly signed and accomplished Financial Bid Form;

l. Original of duly signed and accomplished Price Schedule(s).

Other documentary requirements under RA No. 9184 (as applicable)

<p>m. [For foreign bidders claiming by reason of their country’s extension of reciprocal rights to Filipinos] Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.</p> <p>n. Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.</p>	<p>m. [For foreign bidders claiming by reason of their country’s extension of reciprocal rights to Filipinos] Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.</p> <p>n. Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.</p>
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Clarifications

- The instrument panels for the flight simulator systems are preferably OEM (refer to the amended portion of the technical specification of this SBB)
- Item H under Technical Documents, Class “A” Documents, Technical Component Envelope, Section VIII, Checklist of Technical and Financial Documents has been removed.
- Training for users and maintenance crew can be conducted locally and or at the manufacturer’s location.
- SLCC requirements have been amended from 5 years to 10 years. (refer to the amended portion of the technical specification of this SBB).
- The winning bidder should have legal authorization from the manufacturer to sell their flight simulator system.

For guidance and information of all concerned.

SIGNED

BGEN PEDRO C BALISI JR PA
Chairperson, SBAC Armor Div, PA