



**Republic of the Philippines
CIVIL AVIATION AUTHORITY
OF THE PHILIPPINES**



22 April 2024

Date

REQUEST FOR QUOTATION

Sir/Madam:

Please quote your lowest net prices, taxes, including Government discount terms, and period of delivery of the following items listed hereunder for the account of the official use of the **Civil Aviation Authority of the Philippines (CAAP), Area Center V**, in connection with the implementation of the **Purchase Of Three (3) Units Circuit Breaker For Bicol International Airport**. It is requested that price quotations be submitted in an envelope, duly sealed, to be opened by our **Canvass and Contract Committee (CCC)** not later than **2:00 p.m.** on **03 May 2024** at the CAAP's physical address at the **BAC/CCC Office, Ground Floor, Admin Bldg, Bicol International Airport (BIA), Daraga, Albay**.

ITEM NO.	QTY.	UNIT	PARTICULARS	UNIT PRICE	TOTAL
1	1	unit	Circuit Breaker Easy pact unit EZC250F - TMD - 250 A - 3 poles 3D Network Type: DC-AC Network frequency: 50/60 Hz [In] rated current: 250 A at 40 °C [Ui] rated insulation voltage: 690 V AC 50/60 Hz conforming to IEC 60947-2 [Uimp] rated impulse withstand voltage: 6 kV conforming to IEC 60947-2 [Ue] rated operational voltage: 550 V AC 50/60 Hz conforming to IEC 60947-2 250 V DC conforming to IEC 60947-2 Breaking capacity code: F Breaking capacity: 10 kA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2 15 kA lcu at 400...415 V AC 50/60 Hz conforming to IEC 60947-2 18 kA lcu at 380 V AC 50/60 Hz conforming to IEC 60947-2 25 kA lcu at 110...130 V AC 50/60 Hz conforming to IEC 60947-2 25 kA lcu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 5 kA lcu at 125 V DC 1P conforming to IEC 60947-2		

Continuation...

		9 kA at 380 V AC 50/60 Hz conforming to IEC 60947-2		
		12.5 kA at 110/130 V AC 50/60 Hz conforming to IEC 60947-2		
		12.5 kA at 220/230/240 V AC 50/60 Hz conforming to IEC 60947-2		
		2.5 kA at 125 V DC conforming to IEC 60947-2		
		2.5 kA at 250 V DC conforming to IEC 60947-2		
		2.5 kA at 550 V AC 50/60 Hz conforming to IEC 60947-2		
		9 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2		
		7.5 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2		
		Utilisation category: Category A		
		Trip unit name: TM-D		
		Trip unit technology: Thermal-magnetic		
		Trip unit rating: 125 A at 50 °C		
		Package 1 Length: 18 cm		
		Package 1 Weight: 1.64 kg		
		Unit Type of Package 2: S03		
		Number of Units in Package 2: 8		
		Package 2 Height: 30 cm		
		Package 2 Width: 30 cm		
		Package 2 Length: 40 cm		
		Package 2 Weight: 13.61 kg		
		- One (1) year full warranty coverage from acceptance		
			SUB-TOTAL	

ITEM NO.	QTY.	UNIT	PARTICULARS	UNIT PRICE	TOTAL
2	1	unit	<p>Circuit Breaker Compact NS800H</p> <p>Micrologic 2.0 - 800 A - 3 poles 3t</p> <p>Range: ComPact</p> <p>(In) rated current up to 65 °C 800 A at 50 °C</p> <p>[Ue] rated operational voltage 690 V AC 50/60 Hz</p> <p>network type AC</p> <p>Network frequency 50/60 Hz</p> <p>Suitability for isolation - Yes conforming to EN/IEC 60947-2</p> <p>Performance level - H 70 kA 415 V AC</p> <p>[Icu] rated ultimate short-circuit breaking capacity</p> <ul style="list-style-type: none"> - 42 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 - 65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 - 70 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 - 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 - 50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 <p>Trip unit name MicroLogic 2.0</p> <p>Trip unit technology</p> <p>Electronic</p> <p>Trip unit protection functions LI</p> <p>control type- ToggleRotary handle</p> <p>Circuit breaker mounting mode - Fixed</p> <p>[Ui] rated insulation voltage</p> <ul style="list-style-type: none"> - 800 V AC 50/60 Hz conforming to IEC 60947-2 <p>[Uimp] rated impulse withstand voltage</p> <ul style="list-style-type: none"> - 8 kV conforming to IEC 60947-2 <p>[Ics] rated service short-circuit breaking capacity</p> <ul style="list-style-type: none"> - 30 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 - 40 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 - 50 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 - 50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 - 50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 <p>[Icw] rated short-time withstand current</p> <ul style="list-style-type: none"> - 19.2 kA 1 s conforming to IEC 60947-2 <p>Mechanical durability - 10000 cycles</p> <p>Electrical durability</p> <ul style="list-style-type: none"> - 2000 cycles at 690 V In - 4000 cycles at 690 V In/2 - 5000 cycles at 440 V In - 6000 cycles at 440 V In/2 <p>Power losses- 15 W</p> <p>Mounting support - Backplate</p> <p>Upside connection - Front</p> <p>Downside connection - Front</p> <p>Connection pitch - 70 mm</p> <p>Protection type</p> <ul style="list-style-type: none"> - L : for overload protection (long time) - I : for instantaneous short-circuit protection <p>Trip unit rating - 800 A at 50 °C</p>		

Continuation...

		<p>Long-time pick-up adjustment type I_r (thermal protection)</p> <ul style="list-style-type: none"> - Adjustable 9 settings <p>[I_r] long-time protection pick-up adjustment range</p> <ul style="list-style-type: none"> - 0.4...1 x I_n <p>Long-time protection delay adjustment type t_r</p> <ul style="list-style-type: none"> - Adjustable 9 settings <p>[t_r] long-time protection delay adjustment range</p> <ul style="list-style-type: none"> - 12.5...600 s at 1.5 x I_r - 0.5...24 s at 6 x I_r - 0.7...16.6 s at 7.2 x I_r <p>Thermal memory - 20mn</p> <p>Instantaneous protection pick-up adjustment type I_i</p> <ul style="list-style-type: none"> - Adjustable <p>[I_i] instantaneous protection pick-up adjustment range</p> <ul style="list-style-type: none"> - 1.5...10 x I_r <p>Earth - leakage protection - without</p> <p>Zone selective interlocking ZSI - Without</p> <p>Auxiliary contact composition - 1 NO/NC</p> <p>Local signalling</p> <ul style="list-style-type: none"> - 4 LEDs (red) for fault indication - 1 LED (yellow) for overload <p>Width (W) - 210mm</p> <p>Height (H) - 327mm</p> <p>Depth (D) - 147mm</p> <p>Net weight - 14kg</p> <p>Pollution degree - 3 conforming to IEC 60947</p> <p>IP degree of protection - IP40 conforming to IEC 60529</p> <p>IK degree of protection - IK07 conforming to EN 50102</p> <p>Ambient air temperature for operation -25...70°C</p> <p>Ambient air temperature for storage -50...85°C</p> <p>Relative humidity - 0...95 %</p> <p>Operating altitude</p> <ul style="list-style-type: none"> - 0...2000 m without derating - 2000 m...5000 m with derating 		
				SUB-TOTAL

ITEM NO.	QTY.	UNIT	PARTICULARS	UNIT PRICE	TOTAL
3	1	unit	<p>Circuit Breaker Compact NSX630N</p> <p>Micrologic 2.3 - 630 A - 3 poles 3d</p> <p>Range: ComPact</p> <p>(In) rated current 630 A at 40 °C</p> <p>[Ue] rated operational voltage 690 V AC 50/60 Hz</p> <p>network type AC</p> <p>Network frequency 50/60 Hz</p> <p>Suitability for isolation - Yes conforming to EN/IEC 60947-2</p> <p>Performance level - N 50 kA 415 V AC</p> <p>[Icu] rated ultimate short-circuit breaking capacity</p> <ul style="list-style-type: none"> - 85 kA at 240 V AC 50/60 Hz conforming to UL 508 - 22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 - 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 - 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 - 30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 - 20 kA at 600 V AC 50/60 Hz conforming to UL 508 - 50 kA at 480 V AC 50/60 Hz conforming to UL 508 - 50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 - 42 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 <p>Trip unit name MicroLogic 2.0</p> <p>Trip unit technology Electronic</p> <p>Trip unit protection functions LSol</p> <p>control type- ToggleRotary handle</p> <p>Circuit breaker mounting mode - Fixed</p> <p>[Ui] rated insulation voltage</p> <ul style="list-style-type: none"> - 800 V AC 50/60 Hz <p>[Uimp] rated impulse withstand voltage</p> <ul style="list-style-type: none"> - 8 kV <p>[Ics] rated service short-circuit breaking capacity</p> <ul style="list-style-type: none"> - 11 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 - 85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 - 10 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 - 50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 - 30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 - 42 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 <p>Mechanical durability - 15000 cycles</p>		

Continuation...

		<p>Electrical durability</p> <ul style="list-style-type: none"> - 2000 cycles at 690 V In - 6000 cycles at 690 V In/2 - 4000 cycles at 440 V In - 8000 cycles at 440 V In/2 <p>Mounting support - Backplate</p> <p>Upside connection - Front</p> <p>Downside connection - Front</p> <p>Connection pitch - 45 mm</p> <p>Protection type</p> <p>L : for overload protection (long time)</p> <p>So : for short time short-circuit protection with fixed delay</p> <p>I : for instantaneous short-circuit protection</p> <p>Trip unit rating 630 A at 40 °C</p> <p>Long-time pick-up adjustment type Ir (thermal protection)</p> <ul style="list-style-type: none"> - Adjustable 9 settings <p>[Ir] long-time protection pick-up adjustment range</p> <ul style="list-style-type: none"> - 250...630A <p>Long-time protection delay adjustment type tr</p> <ul style="list-style-type: none"> - Fixed <p>[tr] long-time protection delay adjustment range</p> <ul style="list-style-type: none"> - 16 s at 6 x Ir <p>Thermal memory 20 minutes before and after tripping</p> <p>Short-time protection pick-up adjustment type Isd</p> <ul style="list-style-type: none"> - Adjustable 9 settings <p>[Isd] Short-time protection pick-up adjustment range</p> <ul style="list-style-type: none"> - 1.5...10 x Ir <p>Short-time protection delay adjustment type tsd</p> <ul style="list-style-type: none"> - Fixed <p>Instantaneous protection pick-up adjustment type Ii</p> <ul style="list-style-type: none"> - Fixed <p>[Ii] instantaneous protection pick-up adjustment range</p> <ul style="list-style-type: none"> - 6900 A <p>Earth-leakage protection - without</p> <p>Zone selective interlocking ZSI - without</p> <p>Number of slots for electrical auxiliaries- 6 slots</p> <p>Local signalling</p> <ul style="list-style-type: none"> - Flashing LED (green) for ready to operate - LED 105 % Ir (red) for overload - LED 90 % Ir (orange) for overload <p>Width (W) - 140mm</p> <p>Height (H) - 255mm</p> <p>Depth (D) - 110mm</p> <p>Net weight - 6.2kg</p> <p>Pollution degree - 3 conforming to IEC 60664-1</p> <p>IP degree of protection - IP40 conforming to IEC 60529</p> <p>IK degree of protection - IK07 conforming to EN 50102</p> <p>Ambient air temperature for operation -25...70°C</p> <p>Ambient air temperature for storage -50...85°C</p> <p>Relative humidity - 0...95 %</p> <p>Operating altitude</p> <ul style="list-style-type: none"> - 0...2000 m without derating - 2000 m...5000 m with derating 		
		Note: Includes One (1) Year Full Warranty in all items		

Quotations not accompanied by Current Mayor's/Business Permit, Phil-GEPS Registration Number, and Brochure/picture indicating brand name and specifications of the Circuit Breaker Easy pact unit EZC250F-TMD-250 A-3 Poles 3D, Circuit Breaker Compact NS800H Micrologic 2.0-800 A-3 Poles 3t, and Circuit Breaker Compact NSX630N Micrologic 2.3-630 A-3 Poles 3d shall be automatically disqualified.

Your prices must be quoted in Philippine Peso and must include the unit price and total price, inclusive of all taxes to be paid and other incidental cost to the delivery site if the contract is awarded. Quotations will be opened in the presence of the Bidders' representatives who choose to attend at the address below.

Quotations must be delivered to the **Civil Aviation Authority of the Philippines, Area Center V** at its physical address at the **BAC/CCC Office, Ground Floor Admin Bldg., Bicol International Airport, Daraga, Albay** not later than **2:00 p.m. on 03 May 2024.**

Online submission is not allowed and late quotations shall not be accepted. All quotations together with the required documents should be placed in a **sealed envelope** marked **Purchase Of Three (3) Units Circuit Breaker For Bicol International Airport.**

TERMS OF REFERENCE

Name of Project	Purchase Of Three (3) Units Circuit Breaker For Bicol International Airport
Approved Budget	Three Hundred Forty-Eight Thousand Three Hundred Thirty-One Pesos & 50/100 (Php 348,331.50)
Delivery Period	Thirty (30) calendar days
Delivery Location/s	Supply Office, Bicol International Airport, Daraga, Albay
Delivery Conditions	<ol style="list-style-type: none"> 1. Acceptance of delivery shall be made from 8:00 A.M to 5:00 P.M only during regular working days. 2. The CAAP-BIA Inspection Committee shall have right to inspect and/or test the goods delivered to check their conformity to the technical specifications. 3. In case of failure to make the full delivery within the prescribed delivery period, a penalty of one-tenth (1/10) of one (1) percent shall be imposed per day of delay.
Terms of Payment	Payment upon full delivery and subject to usual government accounting rules and regulations

Very truly yours,



EPIFANIO O. PRINIA, JR.
Chairperson, Canvass and Contract Committee
Civil Aviation Authority of the Philippines
Bicol International Airport
Daraga, Albay

Sir:

In connection with the above Request for Quotation, I/We propose to furnish deliver in conformity with specification of the articles in which I/We quoted, and insofar as controlled items are concerned, the price quotation I/We have made in accordance with those approved by the Price Control Council.

Signature Over Printed Name of Dealer/Supplier

TO WHOM IT MAY CONCERN:

This is to certify that I have personally served this Request for Quotation for the **Purchase Of Three (3) Units Circuit Breaker For Bicol International Airport** project to the above-named dealer/supplier in accordance with the existing regulations.


LINDA MARIE D. OGENA
Canvasser