BIDS AND AWARDS COMMITTEE

SUPPLEMENTAL BID BULLETIN NO. 01

Supply, Delivery, Installation, Testing and Commissioning of 80 kWp Solar PV Rooftop System at TESDA Regional Training Center - NCR

Invitation to Bid No. 2024-09-153

The PNOC Bids and Awards Committee hereby adopts the following provision in the Philippine Bidding Documents:

1. Amendments/Inclusions

Item No.	FROM	TO
1	Invitation to Bid Page 7 *xxx* 1. Philippine National Oil Company (PNOC), through the 2024 Approved Corporate Operating Budget, intends to apply the sum of *Four Million Six Hundred Ten Thousand Pesos (PhP4,610,000.00)* being the Approve Budget for the Contract (ABC) to payments under the contract for *Supply, Delivery, Installation, Testing and Commissioning of 50kWp Solar PV Rooftop System at TESDA Regional Training Center-NCR.....xxx* *xxx*	Invitation to Bid Page 7 *xxx* 1. Philippine National Oil Company (PNOC), through the 2024 Approved Corporate Operating Budget, intends to apply the sum of *Four Million Six Hundred Ten Thousand Pesos (PhP4,610,000.00)* being the Approve Budget for the Contract (ABC) to payments under the contract for *Supply, Delivery, Installation, Testing and Commissioning of **80kWp** Solar PV Rooftop System at TESDA Regional Training Center-NCR.....xxx* *xxx*

2	Section VI. Schedule of Requirements Page 26 *xxx* **Lot No. / Description / Qty / Activity / Delivery Period** 1 / *xxx* / *xxx* / *xxx* / *xxx* 1 / *xxx* / *xxx* / *xxx* / Three Hundred Sixty-Five (365) calendar days from the official start of operation of 50kWp Rooftop Solar PV System *xxx*	Section VI. Schedule of Requirements Page 26 *xxx* **Lot No. / Description / Qty / Activity / Delivery Period** 1 / *xxx* / *xxx* / *xxx* / *xxx* 1 / *xxx* / *xxx* / *xxx* / Three Hundred Sixty-Five (365) calendar days from the official start of operation of **80kWp** Rooftop Solar PV System *xxx*
	Section VII. Technical Specifications Page 30 *xxx* **Item No. / Technical Specifications / Statement of Compliance** 2 / INVERTER / 2 / *xxx* /	Section VII. Technical Specifications Page 30 *xxx* **Item No. / Technical Specifications / Statement of Compliance** 2 / INVERTER / 2 / *xxx* /

3			Protective Devices	Input-side Disconnection Device/Anti-islanding/AC Overcurrent /DC Reverse Polarity/ PV String Fault Monitoring/DC Surge Protection (TYPE II)/AC Surge Protection (Type II)/DC Insulation Resistance Detection/Residual Current Monitoring			
				xxx			
			Protective Devices	**Anti-islanding Protection/AC Output Overcurrent /DC Reverse Polarity Protection/ Strings Monitoring/DC Surge Protection (TYPE II)/AC Surge Protection (Type II)/**			
				xxx			
4	Section VII. Technical Specifications Page 30					Section VII. Technical Specifications Page 30	
	Item No.	Technical Specifications			Statement of Compliance	Item No.	Technical Specifications			Statement of Compliance
	3	INVERTER CONTROLLER				2	INVERTER CONTROLLER			
		xxx					*xxx*			
		Max. number of manageable device		80			Max. number of manageable device		**20**	
		xxx					*xxx*			
	Section VII. Technical Specifications Pages 30-31					Section VII. Technical Specifications Pages 30-31				
	Item No.	Technical Specifications			Statement of Compliance	Item No.	Technical Specifications			Statement of Compliance
	4	MOUNTING STRUCTURE				4	MOUNTING STRUCTURE			
		General					General			
		Manufacturer		Bidder must specify			Manufacturer		Bidder must specify	
		Design		Roof Penetrated			**Module Type Compatibility**		**Framed or frameless**	
		Wind Speed		Must withstand						

5			270kph (minimum)	
		Material	Anodized structural grade aluminum alloy (AL6005-T5) and stainless-steel components (SS 304)	
		Warranty	15 Years	
		Major Components		
		L-clamp	Bidder must specify	
		End Clamp (part number)	Bidder must specify	
		Inter/Mid Clamp (part number)	Bidder must specify	
		Railing (part number)	Bidder must specify	
		Rail-Splicer (part number)	Bidder must specify	
		Mounting/L-Clamp (part number)	Bidder must specify	
		Structural Steel Support	Hot dip galvanized 2mm metal thickness and coating thickness of 3 mils as per ASTM A 386	
		Other Components	Shall be determined as per actual site condition	
		xxx		

	Wind Speed	**Customizable**	
	Material	Anodized structural grade aluminum alloy (AL6005-T5) and stainless-steel components **(SS/SUS 304)**	
	Major Components		
	L-clamp	Bidder must specify	
	End Clamp (part number)	Bidder must specify	
	Inter/Mid Clamp	Bidder must specify	
	Railing (part number)	Bidder must specify	
	Rail-Splicer (part number)	Bidder must specify	
	Mounting/L-Clamp	Bidder must specify	
	Other Components (if needed)	**Bidder must specify**	
	xxx		

6	Section VII. Technical Specifications Terms of Reference Page 43 • Bidders must have completed solar PV contracts with a minimum total aggregate installed capacity of 1 MWp, where at least two (2) contracts must be fully operational for the last two (2) years, from the date of bid submission. • Must have a Philippine Contractors Accreditation Board (PCAB) License (Category C & D, Specialty – Electrical Works) • Must be compliant to the ISO 9001:2015 standard on Quality Management System (QMS). *xxx*	Section VII. Technical Specifications Terms of Reference Page 43 • Bidders must have completed solar PV contracts with a minimum total aggregate installed capacity of 1 MWp, where at least two (2) contracts must be fully operational for the last two (2) years, from the date of bid submission. • Must be compliant to the ISO 9001:2015 standard on Quality Management System (QMS). *xxx*
7	Section VII. Technical Specifications Terms of Reference Page 49 20. Available Data and Schedule of Site Inspection Potential bidders can access the relevant site data (e.g., electric consumption information, plans, and drawings) via the following link: • https://tinyurl.com/TESDA-NCR-RTC	Section VII. Technical Specifications Terms of Reference Page 49 20. Available Data and Schedule of Site Inspection Potential bidders can access the relevant site data (e.g., electric consumption information, plans, and drawings) via the following link: • **https://bit.ly/TESDA-RTC-NCR**
8	Section VII. Technical Specifications Terms of Reference Page 50 *xxx* 21. Technical Specifications and Standards 21.1 Important Design Request for the Building Owner The Contractor shall use two brands of solar PV modules, ensuring an equal number of modules from each brand. Each	Section VII. Technical Specifications Terms of Reference Page 50 *xxx* 21. Technical Specifications and Standards 21.1 Important Design Request for the Building Owner The Contractor shall use two brands of solar PV modules, ensuring an equal number of modules from each brand. **Both**

	brand must have a dedicated meter to measure its PV production, and the meter must comply with the applicable standards specified in *Section 21.3.9: PV Generation (Revenue) Meter, including CT/PT and Terminals.* Both solar PV module brands must also meet the minimum technical specifications outlined in the Terms of Reference. *xxx*	**brands must be installed with the same orientation.** Both solar PV module brands must also meet the minimum technical specifications outlined in the Terms of Reference. *xxx*
9	Section VIII. Checklist of Technical and Financial Documents Page 58 I. Technical Component Envelope *xxx* (i) List with proof of completed Solar PV contracts with minimum aggregate installed capacity of 1MWp where at least two (2) contracts fully operational for the last two (2) years from the date of submission (j) PCAB License (Category C & D, Specialty-Electrical Works) (k) ISO 9001:2015 Certificate *xxx*	Section VIII. Checklist of Technical and Financial Documents Page 58 I. Technical Component Envelope *xxx* (i) List with proof of completed Solar PV contracts with minimum aggregate installed capacity of 1MWp where at least two (2) contracts fully operational for the last two (2) years from the date of submission (k) ISO 9001:2015 Certificate *xxx*

Amendments/inclusions/clarifications made herein shall be considered an integral part of the Bidding Documents.

For guidance and information of all concerned.

Issued this October 22, 2024.

ATTY. JOSEPHINE CASSANDRA J. CUI
Chairperson
Bids and Awards Committee