

BIDS AND AWARDS COMMITTEE

SUPPLEMENTAL BID BULLETIN NO. 01

Supply, Delivery, Installation, Testing and Commissioning of 50 kWp Solar PV Rooftop System at PNOC Bldg.6

Invitation to Bid No. 2024-08-104

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

1. Amendments/Inclusions

Item No.	FROM	TO										
1	<p>Section III. Bid Data Sheet ITB Clause 5.3 p.17</p> <p>For this purpose, contracts similar to the Project shall be:</p> <p>Solar PV contracts with minimum total aggregate installed capacity of 1MWp within the last <i>five (5) years</i> prior to the deadline for submission and opening of bids.</p>	<p>Section III. Bid Data Sheet ITB Clause 5.3 p.17</p> <p>For this purpose, contracts similar to the Project shall be:</p> <p>A single solar PV contract within the minimum total installed capacity of 100 kWp within the last <i>five (5) years</i> prior to the deadline for submission and opening of bids.</p>										
2	<p>Section VI. Schedule of Requirements Terms of Reference (<i>Project Deliverables</i>) Page 26</p> <table border="1" data-bbox="240 1606 857 1665"> <tr> <td>xxx</td> <td>xxx</td> <td>xxx</td> <td>xxx</td> <td>Delivery Period</td> </tr> </table>	xxx	xxx	xxx	xxx	Delivery Period	<p>Section VI. Schedule of Requirements Terms of Reference (<i>Project Deliverables</i>) Page 26</p> <table border="1" data-bbox="891 1606 1508 1665"> <tr> <td>xxx</td> <td>xxx</td> <td>xxx</td> <td>xxx</td> <td>Delivery Period</td> </tr> </table>	xxx	xxx	xxx	xxx	Delivery Period
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				xxx	xxx				xxx	xxx
	xxx	xxx	xxx	xxx	Within Three Hundred Sixty-Five (365) calendar days from the official start of operation of 50kWp Rooftop Solar PV System	xxx	xxx	xxx	xxx	Three Hundred Sixty-Five (365) calendar days from the official start of operation of 50kWp Rooftop Solar PV System
	xxx					xxx				
3	<p>Section VII. Technical Specifications Terms of Reference p.43</p> <p>xxx</p> <ul style="list-style-type: none"> Must be compliant to the ISO 9060:2018 standard on Solar Energy (i.e. Specification and Classification of Instruments for Measuring Hemispherical Solar and Direct Solar Irradiation) <p>xxx</p>					<p>Section VII. Technical Specifications Terms of Reference p.43</p> <p>xxx</p> <ul style="list-style-type: none"> Must be compliant to the ISO 9001:2015 standard. <p>xxx</p>				
4	<p>Section VII. Technical Specifications Terms of Reference p.44</p> <p>xxx</p> <ul style="list-style-type: none"> Structural Design Engineer – Shall be responsible for the validation of the structural integrity of the building(s). Shall issue certification that the structural integrity and soundness of the building rooftop can handle the 					<p>Section VII. Technical Specifications Terms of Reference p.44</p> <p>xxx</p> <ul style="list-style-type: none"> Structural Design Engineer – Shall be responsible for the validation of the structural integrity of the building(s). <p>xxx</p>				

	<p>additional weight of the rooftop solar PV system to be installed on it.</p> <p>xxx</p>																	
5	<p>Section VII. Technical Specifications Terms of Reference p.45</p> <p>xxx</p> <table border="1"> <thead> <tr> <th>Sheet</th> <th>Content</th> </tr> </thead> <tbody> <tr> <td>Cover Page</td> <td>Project Title</td> </tr> <tr> <td>xxx</td> <td>xxx</td> </tr> <tr> <td>S/4</td> <td>Concrete roof deck foundation and calculation</td> </tr> </tbody> </table> <p>xxx</p>	Sheet	Content	Cover Page	Project Title	xxx	xxx	S/4	Concrete roof deck foundation and calculation	<p>Section VII. Technical Specifications Terms of Reference p.45</p> <p>xxx</p> <table border="1"> <thead> <tr> <th>Sheet</th> <th>Content</th> </tr> </thead> <tbody> <tr> <td>Cover Page</td> <td>Project Title</td> </tr> <tr> <td>xxx</td> <td>xxx</td> </tr> <tr> <td>S/4</td> <td>Concrete roof deck foundation and calculation (as needed)</td> </tr> </tbody> </table> <p>xxx</p>	Sheet	Content	Cover Page	Project Title	xxx	xxx	S/4	Concrete roof deck foundation and calculation (as needed)
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6	<p>Section VII. Technical Specifications Terms of Reference p.46</p> <p>xxx</p> <p>1. Workmanship</p> <p>Workmanship shall be follow the ISO 9060:2018 standard on Solar Energy (i.e. Specification and Classification of Instruments for Measuring Hemispherical Solar and Direct Solar Irradiation)</p> <p>xxx</p>	<p>Section VII. Technical Specifications Terms of Reference p.46</p> <p>xxx</p> <p>1. Workmanship</p> <p>Workmanship shall follow the ISO 9001:2015 standard.</p> <p>xxx</p>																
	<p>Section VII. Technical Specifications Terms of Reference p.48</p> <p>xxx</p> <p>18. Spare Parts, Tools, and Consumables</p>	<p>Section VII. Technical Specifications Terms of Reference p.48</p> <p>xxx</p> <p>18. Spare Parts, Tools, and Consumables</p>																

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xxx

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Particulars	Qty	UOM
Electrical Pliers 6"	1	unit
Electrical Pliers 8"	1	unit
Long nose pliers 6"	1	unit
Long nose pliers 8"	1	unit
Side cutter pliers 6"	1	unit
Side cutter pliers 8"	1	unit
Allen wrench (black iron), metric	1	set
Crimping tools (RJ45)	1	unit
Screwdriver (flat, 8")	1	unit
Screwdriver (cross, 8")	1	unit
Adjustable wrench 18"	1	unit
Combination wrench (applicable sizes)	1	set
Toolbox 20" (big) plastic or metal	1	unit
Clamp meter (1,000volts; with Rogowski coil)	1	unit
Vice grip 8"	1	unit
Torque wrench 3/8" square drive with complete set of sockets (Solar PV	1	set

		<table border="1"> <tr> <td data-bbox="868 113 1252 212">for Distribution Panel)</td> <td data-bbox="1252 113 1365 212"></td> <td data-bbox="1365 113 1539 212"></td> </tr> <tr> <td data-bbox="868 212 1252 386">Portable washer with pump, 7.5Mpa pressure, 5 liter/minute</td> <td data-bbox="1252 212 1365 386">1</td> <td data-bbox="1365 212 1539 386">unit</td> </tr> <tr> <td data-bbox="868 386 1252 560">16 Ton Quick Hydraulic Crimper Cable Plier Tool Kit, 16-300mm/11 Die</td> <td data-bbox="1252 386 1365 560">1</td> <td data-bbox="1365 386 1539 560">unit</td> </tr> <tr> <td data-bbox="868 560 1252 695">Dry Chemical Fire Extinguisher (10 pounds)</td> <td data-bbox="1252 560 1365 695">5</td> <td data-bbox="1365 560 1539 695">unit</td> </tr> <tr> <td data-bbox="868 695 1252 793">RJ 45 connector (100pcs per pack)</td> <td data-bbox="1252 695 1365 793">3</td> <td data-bbox="1365 695 1539 793">pack</td> </tr> <tr> <td data-bbox="868 793 1252 928">Electrical tape (0.16mm x 19mm x 8meters; black)</td> <td data-bbox="1252 793 1365 928">10</td> <td data-bbox="1365 793 1539 928">roll</td> </tr> <tr> <td data-bbox="868 928 1252 1062">Cable tie (UV resistant; 12"; 100pcs per pack)</td> <td data-bbox="1252 928 1365 1062">3</td> <td data-bbox="1365 928 1539 1062">pack</td> </tr> <tr> <td data-bbox="868 1062 1252 1161">Rubber tape (18mm x 8meters; black)</td> <td data-bbox="1252 1062 1365 1161">3</td> <td data-bbox="1365 1062 1539 1161">rolls</td> </tr> <tr> <td colspan="3" data-bbox="868 1161 1539 1230">Others (please specify, as needed)</td> </tr> <tr> <td colspan="3" data-bbox="868 1230 1539 1360">xxx</td> </tr> </table>	for Distribution Panel)			Portable washer with pump, 7.5Mpa pressure, 5 liter/minute	1	unit	16 Ton Quick Hydraulic Crimper Cable Plier Tool Kit, 16-300mm/11 Die	1	unit	Dry Chemical Fire Extinguisher (10 pounds)	5	unit	RJ 45 connector (100pcs per pack)	3	pack	Electrical tape (0.16mm x 19mm x 8meters; black)	10	roll	Cable tie (UV resistant; 12"; 100pcs per pack)	3	pack	Rubber tape (18mm x 8meters; black)	3	rolls	Others (please specify, as needed)			xxx		
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8	<p>Section VII. Technical Specifications Terms of Reference p.48</p> <p>xxx</p> <p>19.4 <u>Water Source</u></p> <p>The Contractor shall provide a water source positioned near the PV system to be used during maintenance (i.e. PV module cleaning). The Contractor shall identify the location of the tapping source and request permission to PNOC.</p> <p>xxx</p>	<p>Section VII. Technical Specifications Terms of Reference p.48</p> <p>xxx</p> <p>19.4 <u>Water Source</u></p> <p>The Contractor shall coordinate with PNOC for the location of the water source to be used during maintenance (e.g., PV module cleaning).</p> <p>xxx</p>																														

9	<p>Section VIII. Checklist of Technical and Financial Documents p. 57</p> <p>I. Technical Component Envelope</p> <p style="text-align: center;">xxx</p> <p><input type="checkbox"/> (k) ISO 9060:2018 Certificate</p> <p style="text-align: center;">xxx</p>	<p>Section VIII. Checklist of Technical and Financial Documents p. 57</p> <p>I. Technical Component Envelope</p> <p style="text-align: center;">xxx</p> <p><input type="checkbox"/> (k) ISO 9001:2015 Certificate</p> <p style="text-align: center;">xxx</p>
10	<p>Please refer below google drive link for the following additional documents:</p> <ul style="list-style-type: none"> • Compiled electric bills for 2023, • Single-line diagram of the electrical system, • Roof and structural plans, and • One-week 5-minute interval load profile of PNOC Bldg. 6 <p>Google Drive Link:</p> <p>https://drive.google.com/drive/folders/1rwAWOeUMRMT3qyXPBNJnbLxE71OYEPvQ?usp=drive_link</p>	

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

For guidance and information of all concerned.

Issued this August 20, 2024.

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

