

BIDS AND AWARDS COMMITTEE

SUPPLEMENTAL BID BULLETIN NO. 01

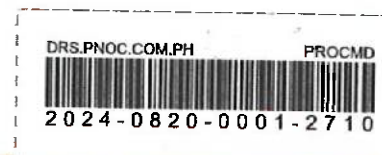
Supply, Delivery, Installation, Testing and Commissioning of 150 kWp Solar PV Rooftop System at Angeles City Water District (ACWD) Central Reservoir Pumping Station Warehouse

Invitation to Bid No. 2024-08-108

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>) p.26</p> <table border="1"> <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>) p.26</p> <table border="1"> <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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3	<p>Section VII. Technical Specifications Terms of Reference (<i>Scope of Works</i>) p.34</p> <p>xxx</p> <ul style="list-style-type: none"> Site Survey and Assessment <p>... The assessment shall also include the structural integrity of the building(s) or structures, condition of roof and existence of roof leaks</p> <p>xxx</p>	<p>Section VII. Technical Specifications Terms of Reference (<i>Scope of Works</i>) p.34</p> <p>xxx</p> <ul style="list-style-type: none"> Site Survey and Assessment <p>... The assessment shall also include the roof condition and existence of roof leaks</p> <p>xxx</p>																				
4	<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>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>																				

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5	<p>Section VII. Technical Specifications Terms of Reference p.44</p> <p style="text-align: center;">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 additional weight of the rooftop solar PV system to be installed on it. <p style="text-align: center;">xxx</p>	<p>Section VII. Technical Specifications Terms of Reference p.44</p> <p style="text-align: center;">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 style="text-align: center;">xxx</p>																
6	<p>Section VII. Technical Specifications Terms of Reference p.45</p> <p style="text-align: center;">xxx</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">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 style="text-align: center;">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 style="text-align: center;">xxx</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">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 style="text-align: center;">xxx</p>	Sheet	Content	Cover Page	Project Title	xxx	xxx	S/4	Concrete roof deck foundation and calculation (as needed)
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7	<p>Section VII. Technical Specifications Terms of Reference p.46</p> <p style="text-align: center;">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</p>	<p>Section VII. Technical Specifications Terms of Reference p.46</p> <p style="text-align: center;">xxx</p> <p>1. Workmanship</p> <p>Workmanship shall follow the ISO 9001:2015 standard.</p> <p style="text-align: center;">xxx</p>																

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8	<p>Section VII. Technical Specifications Terms of Reference p.48</p> <p>xxx</p> <p>18. Spare Parts, Tools, and Consumables</p> <p>The Contractor shall provide a list of necessary spare parts, tools, and consumables for the installation, testing and commissioning, and operation and maintenance of the project. All recommended spare parts, tools, and consumables shall be turned over to PNOC after the completion of the testing and commissioning.</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>The Contractor shall supply the necessary spare parts, tools, and consumables for the installation, testing and commissioning, as well as the operation and maintenance of the project. These items will be turned over to PNOC upon completion of testing and commissioning.</p> <table border="1"> <thead> <tr> <th>Particulars</th> <th>Qty</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td>Electrical Pliers 6"</td> <td>1</td> <td>unit</td> </tr> <tr> <td>Electrical Pliers 8"</td> <td>1</td> <td>unit</td> </tr> <tr> <td>Long nose pliers 6"</td> <td>1</td> <td>unit</td> </tr> <tr> <td>Long nose pliers 8"</td> <td>1</td> <td>unit</td> </tr> <tr> <td>Side cutter pliers 6"</td> <td>1</td> <td>unit</td> </tr> <tr> <td>Side cutter pliers 8"</td> <td>1</td> <td>unit</td> </tr> <tr> <td>Allen wrench (black iron), metric</td> <td>1</td> <td>set</td> </tr> <tr> <td>Crimping tools (RJ45)</td> <td>1</td> <td>unit</td> </tr> <tr> <td>Screwdriver (flat, 8")</td> <td>1</td> <td>unit</td> </tr> </tbody> </table>	Particulars	Qty	Unit	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
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		Screwdriver (cross, 8")	1	unit
		Adjustable wrench	1	unit
		Combination wrench (applicable sizes)	1	set
		Toolbox 20" (big)	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 for Distribution Panel)	1	set
		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	length

		Others (please specify, as needed)
		xxx
9	<p>Section VII. Technical Specifications Terms of Reference p.48</p> <p style="text-align: center;">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 style="text-align: center;">xxx</p>	<p>Section VII. Technical Specifications Terms of Reference p.48</p> <p style="text-align: center;">xxx</p> <p>19.4 <u>Water Source</u></p> <p>The Contractor shall coordinate with building owner for the location of the water source to be used during maintenance (e.g., PV module cleaning).</p> <p style="text-align: center;">xxx</p>
10	<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>¶(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>¶(k) ISO 9001:2015 Certificate</p> <p style="text-align: center;">xxx</p>
11	<p>The site inspection is scheduled for August 28 and 29, 2024, from 9:00 AM to 12:00 PM. Kindly inform us in advance using the contact details provided below:</p> <ul style="list-style-type: none"> • Louie Aaron L. Razon: +639564761790 (lalrazaon@pnoc.com.ph) • Richard Miguel D. Allauigan Jr.: +639178460403 (rmdallauigan@pnoc.com.ph) • Patrick Andaya: +639369318841 (pjvandaya@pnoc.com.ph) 	
12	<p>Please access the following additional documents through the Google Drive link below:</p> <ul style="list-style-type: none"> • ACWD's electric consumption and rate data for 2023 and Q1 2024 • Roof plan of the warehouse building <p>Google Drive link: https://bit.ly/PNOCSolarPV202408108</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 22 August 2024.


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

