



Republic of the Philippines
Department of Energy
(Kagawaran ng Enerhiya)



BIDS AND AWARDS COMMITTEE

Bid Bulletin No. 1 for the 23rd Public Bidding for CY 2026

1. Demonstration Projects Under the Government Energy Program – Solar PV (Government Entity)

Item No.	Original 23 rd PB Demonstration Projects Under the Government Energy Management Program – Solar PV (Government Entity)	Clarification/ Amendment	Page No.	Bidder's Compliance
1.	Section 3.1 Service Provider Eligibility	Clarification: A valid DOE Certificate of Registration shall be submitted as proof of registration. However, if the bidder's DOE ESCO Certificate or Registration of Solar PV Installer has expired as of the date of bid submission and the renewal is already being processed, the bidder may submit documentary proof of the renewal application to establish its registration/renewal status, subject to verification and evaluation by the Procuring Entity. The bidder shall, at a minimum, submit the following supporting documents, as applicable: • Copy of the expired DOE Certificate of Registration; • Proof of submission/application for renewal with DOE; • DOE acknowledgment, receiving copy, reference number, or other official document showing that the renewal application is being processed; • The bidder's Undertaking or other relevant document submitted to DOE in connection with the renewal; and	78-79	

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		Other supporting documents that may substantiate the bidder's continuing eligibility as a DOE-registered Solar PV Installer or ESCO. The bidder shall submit the renewed DOE Certificate of Registration immediately upon its issuance.																													
2.	Section 4: Duration Each lot of the Project shall have a corresponding implementation period, as specified in the table below: <table><tr><th>Lot No.</th><th>Article</th><th>Duration (Calendar Days)</th></tr><tr><td>1</td><td>Cluster 1 – Luzon (1) Three (3) Sites</td><td>180</td></tr><tr><td>2</td><td>Cluster 2 – Luzon (2) Three (3) Sites</td><td>180</td></tr><tr><td>3</td><td>Cluster 3 – Visayas Three (3) Sites</td><td>180</td></tr><tr><td>4</td><td>Cluster 4 – Mindanao Two (2) Sites</td><td>180</td></tr><tr><td>5</td><td>One (1) Site</td><td>120</td></tr><tr><td>6</td><td>One (1) Site</td><td>120</td></tr><tr><td>7</td><td>One (1) Site</td><td>120</td></tr><tr><td>8</td><td>One (1) Site</td><td>120</td></tr></table>	Lot No.	Article	Duration (Calendar Days)	1	Cluster 1 – Luzon (1) Three (3) Sites	180	2	Cluster 2 – Luzon (2) Three (3) Sites	180	3	Cluster 3 – Visayas Three (3) Sites	180	4	Cluster 4 – Mindanao Two (2) Sites	180	5	One (1) Site	120	6	One (1) Site	120	7	One (1) Site	120	8	One (1) Site	120	Clarification: For a LOT consisting of only one (1) project site, the applicable implementation period shall be 120 calendar days. But, for a LOT with several project sites, the 180-calendar day implementation period applies to the entire LOT, and not to each individual site. Meaning that all sites under the same LOT must be completed within the same 180-calendar day period.	79	
Lot No.	Article	Duration (Calendar Days)																													
1	Cluster 1 – Luzon (1) Three (3) Sites	180																													
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6	One (1) Site	120																													
7	One (1) Site	120																													
8	One (1) Site	120																													
3.	Section 5: Scope of Work 5.1.2. Pre-Installation Activities	Clarification: Bidders may conduct actual site inspections prior to bid submission, subject to prior coordination with the respective beneficiary Government Entities (GEs) and compliance with their site access and security protocols.	80																												

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		The contact details of the designated GE representatives, together with the available technical documents for the respective project sites, are provided through the link: https://drive.google.com/drive/folders/1GXmhkL43KfoNuoS-GCvWaxzk-cvusYMN?usp=sharing Bidders are encouraged to conduct site inspections and/or coordinate with the respective GE representatives to validate the preliminary site information and consider actual site conditions in the preparation of their bids and costing.		
4.	5.1.3. Conduct of structural integrity of the mounting structure and site assessment for the design of the systems	Clarification: The beneficiary GEs have submitted certifications confirming the structural soundness of their respective facilities for solar PV installation. These certifications shall be made available to the Service Provider (SP) for reference. The SP shall conduct its own validation and assessment of the structural condition and suitability of the facility for the proposed solar PV installation as part of the site assessment and detailed engineering design. Should the SP determine, based on its structural assessment, that structural retrofitting, strengthening, or other structural improvements are necessary to safely accommodate the proposed solar PV system, such activities shall be outside the scope of the SP and shall not be borne by the SP. Any required retrofitting or strengthening shall be subject to separate arrangements and approval by the concerned beneficiary GE and/or the DOE, as applicable.	80	
5.	Section 6. Project Component and Other Related Works 6.1. Solar PV Modules	Clarification: The 500 Wp rating is the minimum required rated capacity per PV module. Bidders may propose PV modules with a higher rated capacity, provided that the proposed modules comply with all other technical requirements of the TOR,	81	

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	(1 st bullet) PV modules shall be Tier 1, monocrystalline, made of high-tempered anti-reflective material with at least 21% panel efficiency. Each PV module shall be at least 500 Watt-peak (Wp) rated capacity.	including the required module efficiency, Tier 1 classification, applicable certifications, and warranties. The total installed PV capacity shall meet the prescribed system capacity for the respective project, subject to the final system design and actual site conditions. The proposed PV modules shall be manufactured by a company included in the applicable BloombergNEF Tier 1 PV Module Manufacturer list/ranking. The manufacturer's performance warranty shall provide for a maximum annual degradation rate of 0.7% per year, with a warranted power output of at least 90% of the module's rated power during the first ten (10) years and at least 80% of the module's rated power in the 25th year and thereafter. The SP shall submit the manufacturer's performance warranty and relevant technical documentation for the proposed PV modules as part of the technical submission.		
6.	6.1. Solar PV Modules (5th bullet) All modules to be supplied and installed shall be of the same brand, model and rating to ensure system compatibility, uniform performance and ease of maintenance.	Clarification: The requirement for all PV modules to be of the same brand, model, and rating shall apply on a per-site basis. Accordingly, all PV modules installed within a particular project site shall be of the same brand, model, and rating to ensure system compatibility, uniform performance, and ease of maintenance and servicing. The PV module brand, model, and rating may differ from one project site to another, provided that the proposed modules for each site comply with all applicable technical specifications and requirements of the Bidding Document	81	

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7.	6.7. Rapid Shutdown System	Clarification: The minimum requirement for each Solar PV System shall be a string-type Rapid Shutdown Device/System capable of rapidly disconnecting the PV strings from the utility electrical circuit and reducing the PV system to a safe condition during fire, emergency, maintenance, or other situations requiring rapid de-energization. String-type rapid shutdown devices shall be provided as a minimum requirement. Module-level rapid shutdown devices or other solutions providing an equivalent or higher level of safety may also be proposed, provided that they comply with the applicable Philippine Electrical Code (PEC), relevant safety standards, and the requirements of the Distribution Utility and other applicable authorities. The proposed rapid shutdown system shall be compatible with the PV modules, inverters, and overall system configuration. The SP shall provide all necessary equipment, controls, wiring, labeling, installation, testing, and commissioning required for the proper operation of the rapid shutdown function. The SP shall identify the proposed rapid shutdown device/system, architecture, activation method, and applicable compliance standards in its technical proposal.	83	
8.	6.9. Lightning Arrester	Clarification: Where an existing lightning protection system is present at the beneficiary GE's facility to be installed with the solar PV, the SP shall assess the existing system as part of the detailed engineering design and determine its adequacy and compatibility with the proposed Solar PV System. The SP shall integrate with the existing lightning protection system where technically feasible and compliant with applicable standards. Where the existing	83	

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		system is unavailable, inadequate, or cannot provide sufficient protection for the proposed Solar PV installation, the SP shall provide the necessary additional or independent lightning protection and surge protection measures. The SP shall ensure that the solar PV array, mounting structures, inverters, and associated electrical equipment are adequately protected against lightning and associated surges, in accordance with applicable Philippine electrical and structural standards and the requirements of the Distribution Utility. All necessary lightning protection components, bonding/grounding connections, surge protection devices, installation, testing, and commissioning required for the protection of the Solar PV System shall be included in the SP's scope and bid price. The final lightning protection arrangement shall be reflected in the SP's detailed engineering design and drawings.		
9.	6.10. Monitoring System - The Solar PV systems shall be equipped with a real-time monitoring system capable of tracking system performance, energy generation, and operational diagnostics. - The monitoring software shall be capable of providing, at a minimum, the following parameters: a. Energy Generation (kWh), b. Power (kW), c. Power Factor, d. Voltage (V), e. Current (Amp)	Amendment and Clarification Amendment: Inclusion of other minimum specifications for the monitoring system components. 6.10. Monitoring System - The Solar PV systems shall be equipped with a real-time monitoring system capable of tracking system performance, energy generation, and operational diagnostics. - The monitoring software shall be capable of providing, at a minimum, the following parameters: a. Energy Generation (kWh),	83-84	

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	f. Irradiance (W/sqm), and g. Temperature (°C / °F) h. Wind speed (m/s) - An anemometer shall be supplied and installed at an appropriate location within or near the solar PV installation area and shall be suitable for outdoor installation. Shall be weatherproof and corrosion-resistant, and integrated with the monitoring system for real-time and historical data logging. - Necessary hardware for Wi-fi / LAN connectivity shall be included, together with a minimum one (1) year subscription. - At least two (2) units of weatherproof CCTVs / surveillance cameras suitable for outdoor installation shall be supplied and installed to monitor the solar PV installation area. The system shall be capable of remote viewing through smart devices or web-based platforms and shall support continuous or motion-activated video, with a minimum storage retention period of one (1) month. - A dedicated laptop computer shall be supplied as part of the project for use by the beneficiary GEs in system monitoring, data review, and report generation. The laptop shall be brand new and of a	b. Power (kW), c. Power Factor, d. Voltage (V), e. Current (Amp) f. Irradiance (W/sqm), and g. Temperature (°C / °F) h. Wind speed (m/s) - An anemometer shall be supplied and installed at an appropriate location within or near the Solar PV installation area. It shall be suitable for continuous outdoor operation, weatherproof, corrosion-resistant, and integrated with the Solar PV monitoring system for real-time monitoring and historical data logging. - The anemometer shall, at a minimum, have the following specifications: - Wind Speed Measurement Range: 0–50 m/s minimum; - Wind Speed Accuracy: ±3% or better; - Ingress Protection: IP54 minimum; - Suitable for outdoor installation and continuous operation; - Compatible with the installed monitoring system and capable of transmitting wind speed data for real-time display and historical data logging; and - Complete with all necessary mounting hardware, cabling, communication interface, power supply, and accessories required for proper installation and integration with the monitoring system. - The necessary Wi-Fi/LAN connectivity hardware and accessories shall be included in the project, including routers, network devices, communication interfaces, cabling, and configuration, as applicable. The connectivity shall		

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	reputable brand, compatible with the monitoring software and inverter platform, pre-installed with all required monitoring, configuration, and reporting software.	be sufficient to support the real-time monitoring system and remote access to monitoring data. • The SP shall provide a minimum one (1)-year internet connectivity subscription per project site, commencing upon successful commissioning and turnover of the Solar PV system to the beneficiary GE. • Upon expiration of the initial one (1)-year subscription provided by the SP, all succeeding internet connectivity and subscription costs shall be borne by the beneficiary GE. The beneficiary GE shall be responsible for maintaining the internet service thereafter through its chosen Internet SP. • The SP shall notify the beneficiary GE at least thirty (30) calendar days before the expiration of the initial one (1)-year subscription to allow sufficient time for the GE to make the necessary arrangements for the continuation of internet connectivity. • At least two (2) units of weatherproof CCTVs / surveillance cameras suitable for outdoor installation shall be supplied and installed to monitor the solar PV installation area. The CCTV system shall support remote live viewing and playback through compatible smart devices and/or web-based monitoring platforms. It shall support continuous and/or motion-activated recording and provide sufficient storage capacity for a minimum video retention period of thirty (30) days under the configured recording settings. • The cameras shall meet at least the following minimum technical specifications: ○ Video Resolution: Minimum 2 MP / 1080p Full HD		

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		○ Weather Protection: Minimum IP54 ○ Night Vision: Infrared (IR) night vision or equivalent ○ Connectivity: Wi-Fi enabled, with 2.4 GHz Wi-Fi support; Ethernet connectivity, if available ○ Remote Monitoring: Capable of remote live viewing and recorded-video playback using Android/iOS smart devices and/or web-based platform ○ Recording Mode: Continuous and/or motion-activated recording ○ Motion Detection: Built-in motion detection ○ Storage: Local and/or network/cloud-compatible storage sufficient to maintain at least thirty (30) days of recorded footage. ○ Mounting: Complete with appropriate wall, pole, or structural mounting brackets and accessories ○ Power Supply: Complete with required power adapter and/or power supply accessories • A dedicated monitoring device such as a laptop computer, tablet, or mobile device shall be supplied as part of the project for use by the beneficiary GEs in system monitoring, data review, and report generation. The device shall be brand new, fully compatible with the supplied Solar PV monitoring platform, inverter system, and associated monitoring application. It shall be delivered configured and ready for use, with all required monitoring, configuration, and reporting applications installed, where applicable. • The device shall meet at least the following minimum technical specifications: ○ RAM: Minimum 6 GB ○ Internal Storage: Minimum 128 GB ○ Display: Minimum 6.5-inch screen		

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		○ Wireless Connectivity: Wi-Fi 2.4 GHz and/or 5 GHz ○ Mobile Connectivity: 4G LTE or 5G ○ Battery Capacity: Minimum 5,000 mAh ○ Operating System: Current or manufacturer-supported Android operating system, or equivalent compatible operating system ○ Application Compatibility: Capable of installing and operating the monitoring, configuration, and reporting application required for the Solar PV System and inverter platform to be installed ○ Condition: Brand new, unused, and supplied with applicable manufacturer warranty Clarification: These components shall be provided for and dedicated to the respective GE of <u>each project site</u> to enable the GE to independently monitor, operate, document, and assess the performance and condition of its solar PV system. Accordingly, these requirements shall not be centralized or shared among multiple project sites. The SP shall include in its bid price all equipment, accessories, installation, configuration, connectivity, subscription, software, and other requirements necessary for the complete and functional operation of the monitoring at each site.		
10.	Section 8. Responsibilities of the Service Provider 8.4. Secure, submit necessary documents and aid DOE and the beneficiary GE with relevant permits for the	Clarification: The PV systems to be installed shall be "Net-Metering Ready." However, the application and participation in the Distribution Utility's Net-Metering Program are not included in the scope of this project.	87	

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	implementation and operation of the project (e.g., building permit, electrical permit, safety permit, Certificate of Compliance, Net Metering Agreement, other approvals, clearance and licenses)	For the initial operation of the system under an own-use arrangement, the SP shall bear the costs associated with the application for interconnection with the respective Distribution Utility, including appropriate application, inspection, interconnection, and other utility-related fees required for the own-use system. Such costs shall be deemed included in the SP's bid price. The SP shall likewise be responsible for securing and submitting the necessary permits, applications, and documents required by the Distribution Utility for the own-use system. Should the beneficiary GE subsequently opt to operate the system under a net-metering arrangement, the beneficiary GE shall be responsible for the incorporation of any additional components required for net metering, as well as the applicable permits, approvals, interconnection, metering, and other regulatory requirements and associated costs necessary for participation in the Net-Metering Program. Any modification or addition to the system for purposes of net metering shall be undertaken in coordination with the DOE and the SP, as applicable, to determine compatibility with the existing system and assess any potential impact on or voiding of existing warranties.		
11.	Section 9. Terms and Conditions 9.1 The Project is intended for the installation of a nominal 30 kWp Rooftop Solar Photovoltaic (PV) System. However, the actual installable capacity shall be subject to the results of the detailed engineering design, site assessment, structural evaluation, available installable roof area, shading analysis, compliance with applicable codes and standards, and other	Amendment: 9.1 The Project is intended for the installation of up to 30 kWp, minimum 15 kWp Rooftop Solar Photovoltaic (PV) System. However, the actual installable capacity shall be subject to the results of the detailed engineering design, site assessment, structural evaluation, available installable roof area, shading analysis, compliance with applicable codes and standards, and other site-specific constraints identified during project implementation.	88-89	

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	site-specific constraints identified during project implementation. 9.2 Should the SP determine, and subsequently validate through engineering studies and supporting documentation, that the full 30 kWp capacity cannot be safely or technically installed due to limitations including but not limited to:	9.1 Should the SP determine, and subsequently validate through engineering studies and supporting documentation, that the full capacity cannot be safely or technically installed due to limitations including but not limited to:		
12.	Section 9. Terms and Conditions	Clarification A Detailed Engineering Design (DED) is not required at the time of bid submission. The SP shall not be required to undertake a complete detailed engineering design for each project site before award. However, the SP shall submit an initial Bill of Materials (BOM) for each applicable project site as part of its bid submission. The initial BOM shall support the SP's proposed system configuration and pricing and shall be consistent with the requirements and preliminary information provided in the Bidding Documents. Upon award of the project, the SP shall undertake the Detailed Engineering Design, including the validation of site conditions, structural considerations, electrical requirements, final system configuration, equipment sizing, and other necessary engineering requirements for implementation. Accordingly, the preliminary information and designs provided in the Bidding Documents are for reference and planning purposes only and shall not be construed as the final installation design.	88-89	
13.	9.12. DOE may impose a penalty of 1/10 of 1% of the total value of the undelivered	Clarification:	90	

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	order for each day of delay as liquidated damages after the specified allowable number of days to deliver the units/items.	If delays are likely to be incurred beyond the control of the SP, the SP shall promptly notify the Procuring Entity in writing, providing details of the causes and duration of the expected delay. The Procuring Entity may, at its discretion, grant a time extension based on meritorious grounds, with or without the imposition of liquidated damages.		
14.	9.17. Bidders may bid multiple lots provided that their Net Financial Contracting Capacity (NFCC) is at least equal to the aggregated Approved Budget for the Contract (ABC) of all lots bid upon.	Clarification: The SP may bid for one, several, or all lots, provided that it meets all the eligibility, technical, financial, and other requirements prescribed in the Bidding Documents for the lots being bid upon. There is no prescribed maximum number of lots that may be awarded to one SP, provided that the SP demonstrates and maintains sufficient capacity to undertake all awarded lots. In particular, the SP shall comply with the required NFCC, manpower requirements, equipment, technical personnel, and other applicable requirements, taking into consideration the simultaneous implementation of the awarded projects.	90	
15.	9.18. All bidders shall accomplish and include Annex C in their submission of bids to indicate the specific lots they intend to bid. Annex C will be used to evaluate the bidder's capacity to handle multiple lots. Non-submission of Annex C shall be construed as an explicit declaration that the bidder wishes to be considered for one (1) lot only, provided all other terms and conditions under this TOR are met.	Clarification: Common corporate support personnel may support several lots, provided that the required minimum project team composition for <u>each project site</u> is independently provided and maintained. The SP shall ensure that each project site has its own dedicated and adequately staffed project team in accordance with the minimum manpower requirements of the TOR, consisting of one (1) Civil Engineer, one (1) Electrical Engineer, and one (1) Technician. The use of common corporate support personnel shall not result in any deficiency in the required personnel, qualifications, availability, or supervision for any individual site.	90	

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		The SP shall likewise ensure that the deployment of shared corporate support personnel does not adversely affect the simultaneous implementation, coordination, supervision, and timely completion of the awarded projects. Accordingly, site-level manpower requirements shall be treated independently for each site, while appropriate corporate, administrative, engineering, or technical support personnel may be shared across multiple sites, subject to the capacity and availability of such personnel.		
16.	9.19. Bidders shall submit the names and Curriculum Vitae (CVs) of the proposed Project Team Lead and members, along with copies of their existing job contract (notarized) with the bidder. These contracts must remain valid for the entire duration of the project's implementation. Failure to submit a CV and notarized job contracts shall be grounds for disqualification.	Amendment: The SP shall submit proof of employment or engagement for all proposed project personnel as part of its technical submission. For regular employees of the SP, a notarized employment contract shall not be required. A valid Certificate of Employment (COE) or company certification shall be acceptable, provided that it confirms the personnel's current employment with the bidder and identifies the designation/position relevant to the proposed project team. The COE or company certification shall be duly signed by the authorized representative of the SP. For non-regular employees or personnel engaged on a contractual basis, the SP shall submit the applicable proof of engagement or employment required under the Bidding documents, including a duly notarized job contract where applicable.	90-91	
17.	9.23. The project will utilize an on-grid, net-metering-ready system. Initially, the system will operate under own-use, with excess energy export temporarily restricted until the beneficiary GE fulfills all net-metering requirements.	Clarification: The zero-export function may be integrated into the grid-tied inverter or implemented through a dedicated export limiter/controller, provided that the proposed configuration is compatible with the proposed Solar PV System and can reliably regulate PV generation to prevent unintended export to the distribution grid.	9.23	

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		All equipment and accessories necessary for the zero-export operation, including but not limited to current transformers (CTs)/power sensors, meters, controllers, communication devices, wiring, software/configuration, installation, testing, and commissioning, shall be included in the SP's scope and bid price.		
18.	Section 11. After Sales Support 11.2. Repairs, troubleshooting, and other after-sales services shall be made not later than seven (7) calendar days upon receipt of notification from DOE.	Amendment and Clarification: Amendment: 11.2. Within seven (7) calendar days from receipt of notification from DOE, the SP shall acknowledge the notification and coordinate with DOE and/or the beneficiary GE regarding the appropriate action, including the schedule for inspection, troubleshooting, repair, or other corrective measures. Clarification: The seven (7) calendar-day period does not require full restoration or completion of the repair within the 7 calendar days. The actual repair or restoration period shall depend on the nature and extent of the defect and shall be undertaken by the SP within a reasonable period, with DOE and/or the beneficiary GE properly informed of the status and target completion date.	92	
19.	Section 14. Schedule of Payment	Clarification: Each billing shall be subject to DOE's issuance of the applicable Certificate of Acceptance, confirming that the required deliverable or milestone has been satisfactorily completed in accordance with the Terms of Reference and contract requirements.	93	

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20.	Section 14. Schedule of Payment <table><thead><tr><th>Deliverables</th><th>Requirement for payment</th><th>Payment Schedule</th></tr></thead><tbody><tr><td>1. Approved and accepted inception report</td><td>Billing Statement, End-User Acceptance, Work Plan(s)</td><td>10%</td></tr><tr><td>2. Approved Solar PV System Plans</td><td>Billing Statement, End-User Acceptance, Design, Plans & Drawings</td><td>40%</td></tr><tr><td>3. Complete installation, testing, and Commissioning of the Solar PV System</td><td>Billing Statement, End-User Acceptance, Testing and Commissioning Report(s), Delivery Report(s)</td><td>30%</td></tr><tr><td>4. Approved and accepted completion report with Final As-Built Design Documentation</td><td>Billing Statement, End-User Acceptance, As-built Plans, Training Certificate(s), O&M Manual</td><td>20%</td></tr><tr><td colspan="2">Total</td><td>100%</td></tr></tbody></table>	Deliverables	Requirement for payment	Payment Schedule	1. Approved and accepted inception report	Billing Statement, End-User Acceptance, Work Plan(s)	10%	2. Approved Solar PV System Plans	Billing Statement, End-User Acceptance, Design, Plans & Drawings	40%	3. Complete installation, testing, and Commissioning of the Solar PV System	Billing Statement, End-User Acceptance, Testing and Commissioning Report(s), Delivery Report(s)	30%	4. Approved and accepted completion report with Final As-Built Design Documentation	Billing Statement, End-User Acceptance, As-built Plans, Training Certificate(s), O&M Manual	20%	Total		100%	Clarification: The 40% second payment milestone shall be billable upon submission and satisfactory acceptance of the required deliverables for the PV System Plans, including the Bill of Materials (BOM), Work Plan and Drawings, and the subsequent submission of the End-User Acceptance/Certificate. Upon satisfactory evaluation and acceptance of the required deliverables, the DOE shall issue the corresponding Certificate of Acceptance, which shall serve as the basis for processing the 40% payment, subject to applicable government accounting and auditing rules. Procurement or installation activities need not have commenced for this milestone to become billable.	93	
Deliverables	Requirement for payment	Payment Schedule																				
1. Approved and accepted inception report	Billing Statement, End-User Acceptance, Work Plan(s)	10%																				
2. Approved Solar PV System Plans	Billing Statement, End-User Acceptance, Design, Plans & Drawings	40%																				
3. Complete installation, testing, and Commissioning of the Solar PV System	Billing Statement, End-User Acceptance, Testing and Commissioning Report(s), Delivery Report(s)	30%																				
4. Approved and accepted completion report with Final As-Built Design Documentation	Billing Statement, End-User Acceptance, As-built Plans, Training Certificate(s), O&M Manual	20%																				
Total		100%																				
21.	Section VII. Technical Specification Annex A: Project Sites – Demonstration Projects under the Government Energy Management Program – Solar PV (Government Entity)	Amendment: Please see revised Annex A of this bid bulletin. Project Sites – Demonstration Projects under the Government Energy Management Program – Solar PV (Government Entity)	94-98																			
22.	Annex A: Project Sites – Demonstration Projects under the Government Energy Management Program – Solar PV (Government Entity)	Clarification: DOE shall provide the available technical information and documents for the project sites through the designated Google Drive https://drive.google.com/drive/folders/1GXmhkL43KfoNuoS-GCvWaxzk-cvusYMN?usp=sharing, which may include drawings, roof plans, electrical single-line diagrams, load data, and other relevant technical documents, as available. The information provided shall be used solely for the preparation of the SP's bid documents, technical proposal, and costing for this procurement. Such information shall not be reproduced, distributed, published, or shared with any other party without the prior authorization of DOE and/or the concerned	94-98																			

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		beneficiary GE. SPs may likewise validate the information provided through site inspection and shall consider actual site conditions in preparing their bids.		
23.	Annex B: Concept Design	Clarification: Annex B – Concept Design is provided for reference and planning purposes only and shall not be considered as the final system design or basis for determining the SP's final system configuration. For purposes of bid preparation, including quantities and costing, bidders shall primarily refer to the requirements of the TOR, particularly the prescribed system size/capacity, technical specifications, required deliverables, and other applicable requirements. SPs are likewise encouraged to conduct site inspections and consider the actual site conditions and their reasonable engineering assumptions in preparing their bids and costing. The final system configuration shall be determined based on the Detailed Engineering Design and validated site conditions after award, subject to the requirements of the TOR and approval of the DOE/beneficiary GE, as applicable.	99-108	
24.	Section VII – Technical Specifications	Clarification: A simple "Comply" response in the Statement of Compliance is acceptable for items with which the bidder fully complies. However, the SP shall provide sufficient documentary evidence to substantiate its stated compliance, particularly for requirements involving the eligibility and qualifications of the SP and the technical specifications of the proposed Solar PV System and equipment. Depending on the applicable requirement, supporting documents may include, but shall not be limited to: • SP eligibility and qualification documents;	77-110	



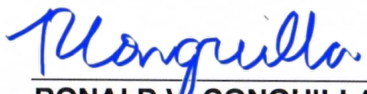
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		• Product brochures and technical datasheets; • Manufacturer's certifications and applicable test certificates; • Proposed Bill of Materials (BOM); • Manufacturer/model identification of major equipment; • Warranty and performance warranty certificates; • PV module certifications and BNEF Tier 1 documentation; • Inverter technical documentation and certifications; and • Other documents expressly required under the Bidding Documents. DOE may require clarification or additional supporting documents where necessary to verify the SP's stated compliance. Accordingly, while a detailed narrative for every individual requirement is not mandatory, the SP remains responsible for demonstrating and substantiating compliance with all applicable requirements through the appropriate supporting documentation.		
25.	A. General Item No. 5. Eligible Bidders 5.4. Bidders must have completed, within a period of ten (10) years from the submission of the bid, unless a shorter period is indicated in the invitation to Bid and BDS, a Single Largest Completed Contract (SLCC) that is similar to the procurement project to be bid, and whose value must be equivalent to at least fifty percent (50%) of the ABC,	Clarification: In accordance with Section 52.4.1.3., The bidder must have completed, within a period of ten (10) years from the submission of the bid, unless a shorter period is indicated in the Invitation to Bid, an SLCC that is similar to the procurement project to be bid, and whose value, adjusted to current prices using the Philippine Statistics Authority (PSA) consumer price indices, must be at least fifty percent (50%) of the ABC. Bidders may be allowed to present a combination of contracts completed within the same period, provided their total value is at least fifty percent (50%) of the ABC, thus: a. The bidder should have completed at least one (1) similar contract amounting to at least 25% of the ABC; and	23, 127	

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	adjusted to current prices using the Philippine Statistics Authority (PSA) consumer price indices. 5.5. If the Procuring Entity determines that it is necessary to adopt a different SLCC requirement to ensure broader Bidder participation while establishing their technical capacity, it may allow Bidders to present combination of contracts completed within the same period, provided their total value is at least fifty percent (50%) of the ABC, thus: a. The Bidder should have completed at least one (1) similar contract amounting to at least 25% of the ABC; and b. The Bidder should have completed other contracts, whether similar or not, with an aggregate amount of at least 25% of the ABC.	b. The bidder should have completed other contracts, whether similar or not, with an aggregate amount of at least 25% of the ABC.		
26.	Section 6. Project Component and Other	Clarification: The SP may propose functionally equivalent or superior components instead of the specified components, provided that such components meet or exceed all applicable minimum technical specifications, performance requirements,		

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		warranties, certifications, and referenced standards prescribed under Section 6 and other relevant provisions of the TOR. The SP shall submit sufficient technical documentation, including applicable datasheets, certifications, and manufacturer's documentation, to demonstrate that the proposed components are functionally equivalent to or better than the specified requirements.		

This Bid Bulletin forms part of the Terms of Reference. All other terms and conditions in the Bidding Documents and other Bid Bulletin issued by the DOE-BAC not affected by this Bid Bulletin shall remain valid and effective.

Approved for Issuance:



RONALD V. CONQUILLA

*Undersecretary and
Chairperson, Bids and Awards Committee*



Annex A

Project Sites - Demonstration Projects under the Government Energy Management Program – Solar PV (Government Entity)

1. Lot 1: Cluster 1 – Luzon (1)

Government Entity No.	2	3	11
Location	Mandaluyong City, Metro Manila	Valenzuela City, Metro Manila	Navotas City, Metro Manila
Building	Executive Bldg.	Valenzuela City External Service Office Bldg.	Navotas City Hospital
Building Height	5-storey bldg.. with roof deck	2-storey bldg. ≈ 9.6 meters	3- storey bldg.
Type of Roof	Roof deck	Steel Frame GI Roof	Gable Roof
PV Mounting	Aluminum alloy (anodized) or hot-dipped galvanized steel		
PV Tilt	Match existing roof slope		
Electrical System Type and Rating	3-phase, 230 volts	3-phase, 230 Volts	3-phase, 230V
Design Scheme	Net-Metering Ready		
Solar PV Capacity (DC Rating) per site	15 kWp (min) to 30 kWp	15 kWp (min) to 30 kWp	15 kWp (min) to 30 kWp
Inverter DC/AC ratio	1 to 1.1		

2. Lot 2: Cluster 2 – Luzon (2)

Government Entity No.	6	8	10
Location	Pasig City, Metro Manila	Parañaque City, Metro Manila	Pasay City, Metro Manila
Building	Pasig Hope Medical Center	City Hall Main bldg.. 4-storey bldg.	Malibay Multipurpose Center
Building Height	6-storey bldg.	≈ 14 meters	3-storey bldg., concrete structure
Type of Roof	Concrete Roof Deck and Shed Roof Type	Gable Type	Gable Roof
PV Mounting	Aluminum alloy (anodized) or hot-dipped galvanized steel		
PV Tilt	Match Existing roof slope or at least 14° from horizontal	Match existing roof slope	
Electrical System Type and Rating	3-phase, 240 Volts	3-phase, 230 Volts	3-phase, 230 Volts
Design Scheme	Net-Metering Ready		
Solar PV Capacity (DC Rating) per site	15 kWp (min) to 30 kWp	15 kWp (min) to 30 kWp	15 kWp (min) to 30 kWp
Inverter DC/AC ratio	1 to 1.1		

3. Lot 3: Cluster 3 – Visayas

Government Entity No.	14	15	18
Location	Lapu-Lapu City, Cebu	Cebu City, Cebu	Mandaue City, Cebu
Building	City Hall Bldg.	Department of Social Welfare Bldg.	City Engineering Office Bldg.
Building Height	2-storey bldg., concrete structure with timber roof framing system and long-span metal roofing.	4-storey bldg., concrete structure	2-storey bldg..
Type of Roof	Gable Roof Type	Gable Roof Type	Galvanize roof
PV Mounting	Aluminum alloy (anodized) or hot-dipped galvanized steel		
PV Tilt	Match existing roof slope		
Electrical System Type and Rating	3-phase, 230 Volts	3-phase, 230 Volts	3-Phase, 230 Volts
Design Scheme	Net-Metering Ready		
Solar PV Capacity (DC Rating) per site	15 kWp (min) to 30 kWp	15 kWp (min) to 30 kWp	15 kWp (min) to 30 kWp
Inverter DC/AC ratio	1 to 1.1		

4. Lot 4: Cluster 4 – Mindanao

Government Entity No.	4	20
Location	Municipality of Del Carmen, Surigao del Norte	Province of Surigao del Sur
Building	Del Carmen Municipal Building	Executive Bldg.
Building Height	1-Storey; Composite Structure	2-storey bldg., concrete structure
Type of Roof	Steel Open Cable Roof	Hip roof type
PV Mounting	Aluminum alloy (anodized) or hot-dipped galvanized steel	
PV Tilt	Match existing roof slope	
Electrical System Type and Rating	Single-phase, 240 Volts	3-phase, 230 volts
Design Scheme	Net-Metering Ready	
Solar PV Capacity (DC Rating) per site	15 kWp (min) to 30 kWp	15 kWp (min) to 30 kWp
Inverter DC/AC ratio	1 to 1.1	

5. Lot 5

Government Entity No.	7
Location	Siquijor Province
Building	Lazi Medicare Community Hospital
Building Height	≈ 2.7 meters
Type of Roof	Gable Roof
PV Mounting	Aluminum alloy (anodized) or hot-dipped galvanized steel
PV Tilt	Match existing roof slope
Electrical System Type and Rating	3-phase / 230 volts
Design Scheme	Net-Metering Ready
Solar PV Capacity (DC Rating)	15 kWp (min) to 30 kWp
Inverter DC/AC ratio	1 to 1.1

6. Lot 6

Government Entity No.	9
Location	Iloilo Province
Building	CNCHS Admin Bldg./ Juan Condes Vistavilla Bldg.
Building Height	2-storey bldg.
Type of Roof	Gable Roof Type and Steel Hip Roof Truss Design (Concrete Structure)
PV Mounting	Aluminum alloy (anodized) or hot-dipped galvanized steel
PV Tilt	Match existing roof slope
Electrical System Type and Rating	3-phase, 230 volts
Design Scheme	Net-Metering Ready
Solar PV Capacity (DC Rating)	15 kWp _(min) to 30 kWp
Inverter DC/AC ratio	1 to 1.1

7. Lot 7

Government Entity No.	19
Location	Sorsogon Province
Building	Provincial Government of Sorsogon – Provincial Engineering Office
Building Height	2-storey bldg., concrete structure
Type of Roof	Concrete structure with roof deck
PV Mounting	Aluminum/Galvanized Steel/Stainless Steel/ Composite Material mounting/racking system
PV Tilt	Match existing roof slope
Electrical System Type and Rating	3-phase; 230V/110V; 60Hz
Design Scheme	Net-Metering Ready
Solar PV Capacity (DC Rating)	15 kWp _(min) to 30 kWp
Inverter DC/AC ratio	1 to 1.1

8. Lot 8

Government Entity No.	21
Location	Ormoc City, Leyte
Building	Ormoc City Government Bldg./Facility
Building Height	Varies (≈ 5 meters to 8 meters)
Type of Roof	Varies (Concrete roof deck, corrugated roof, and gable roof)
PV Mounting	Aluminum alloy (anodized) or hot-dipped galvanized steel
PV Tilt	Match existing roof slope
Electrical System Type and Rating	Single-phase, 220 VAC
Design Scheme	Net-Metering Ready
Solar PV Capacity (DC Rating) per site	15 kWp _(min) to 30 kWp
Inverter DC/AC ratio	1 to 1.1