

TERMS OF REFERENCE

1. PROJECT DESCRIPTION

This specification shall cover the plan for the Supply, Construction, Installation, Operation, and Maintenance of the Microgrid System (MGS) including associated services, such as, but not limited to, enhancement to the MGS, customer billing and collections, to provide 24/7 electricity services for all existing and projected households in the selected area/s listed in **Annex A**, consistent with the technical specifications identified herein. Also provided in Annex B, is the necessary information available in the area as provided by the concerned Distribution Utilities.

2. PROJECT LOCATION

This should specify the unserved and underserved areas identified for services by the Bidders in accordance with the list provided in **Annex A**.

3. GENERAL CONDITIONS

- 3.1 The proposed MGS shall meet the peak demand of the proposed service area for the duration of the Cooperation Period.
- 3.2 The proposed MGS shall only operate on an island mode for the duration of the Cooperation Period.
- 3.3 The proposed rate shall be the total blended rate, in Philippine Peso (PhP) per kilowatt-hour (kWh), to include generation and distribution costs, which shall be the least cost and shall have the minimum impact on the recovery of Universal Charge on Missionary Electrification (UCME).
- 3.4 The Generating Capacity proposed by the Bidders shall consider the optimal supply configuration that will redound in the highest net reduction in the UCME subsidy requirement for the concerned Microgrid Service Provider (MGSP) area.
- 3.5 The total electrification of the initially identified number of households as indicated in this TOR shall be completed upon commercial operations of the MGS.
- 3.6 The Bidders shall ensure compliance with the Philippine Small Grid Guidelines (PSGG) issued by the Energy Regulatory Commission (ERC), Renewable Portfolio Standards (RPS) for Off-Grid Areas, and submission of the 100% total electrification master plan for the service areas to the Department of Energy (DOE) during the whole Cooperation Period.

4. PROJECT DEVELOPMENT DURATION

The winning MGSP shall complete: (i) the supply, construction, installation of the MGS; (ii) testing and commissioning of the generating units; (iii) the establishment of Associated Services, such as, but not limited to, enhancement to the MGS, customer billing and collections; and (iv) completion of appurtenant compliances, permits and authorization for the Commercial Operations of the MGS, not later than eighteen (18) months from the execution of the MGS Provider Service Contract (MSC) with the National Power Corporation (NPC).

The Winning Bidder and the NPC shall comply with the provisions of Republic Act (RA) No. 11646, this TOR and the MSC on the periods for the commencement of the project in the area.

5. COMMERCIAL OPERATION AND COOPERATION PERIOD

The Commercial Operation of the MGS in the awarded areas shall immediately commence upon full completion of the project or not later than eighteen (18) months from the execution of the MSC, whichever comes first.

The Cooperation Period for the Supply and Delivery of electricity services to the identified unserved and underserved areas shall be twenty (20) years from the commencement of the Commercial Operation.

6. RESPONSIBILITIES OF THE BIDDERS

The Bidder should meet the minimum technical, financial, and institutional requirements. The detailed design and discussions shall be based on the following minimum requirements:

6.1 Technical Requirements

6.1.1 The Bidder shall include full details of the technical capacities and experiences of the key personnel to execute design & engineering, construction works, and set up appropriate operations and management systems. These details should include relevant technical and business management qualifications as well as full descriptions of experience relevant to the technical and commercial operation of electric power generation and supply systems.

6.1.2 Details of the proposed arrangements for the acquisition, training, and contracting of the necessary expertise that the applicant does not possess at the time of the application.

6.1.3 A statement certifying the applicant intends to design, construct,

operate, and maintain its generation and distribution systems in full compliance with the relevant requirements prescribed under applicable laws including EPIRA and its attendant rules and regulations.

6.1.4 Notarized Letter of Commitment to secure Renewable Energy (RE) Contract pursuant to Department Circular (DC) No. DC2024-06-0018 or the "Revised Omnibus RE Guidelines" for the development of MGS in the area, format attached, in **Annex C**.

6.1.5 Executive Summary of Proposal. (**Annex D**)

6.1.6 Demographic Profile of the target area, design, financing, construction, distribution, operation, and maintenance of the MGS, i.e., generation and distribution, to meet the peak demand of the service area in accordance with the following:

6.1.6.1 The Generating Facility shall utilize: (1) a purely RE technology system or (2) a combination of RE and conventional sources

6.1.6.2 The Generating Facility may be augmented by an Energy Storage System (ESS).

6.1.6.3 Distribution systems, metering, and other associated requirements, to be constructed, operated, and maintained pursuant to the PSGG and PDC.

6.1.6.4 All equipment should be brand new, with a manufacturing date no later than the 2024 model. Suppliers should submit a canvass/quotation from their selected manufacturer detailing the equipment's model, ratings/size, manufacturing date, and place of origin.

6.1.7 Design and specification of the proposed MGSs and all the drawings and documents including but not limited to:

6.1.7.1 Electrification Master Plan (**Annex E**);

6.1.7.2 Plan Layout or Site Development Plan;

6.1.7.3 Specification of Plant Capacities for each type of component (PV Panels, PV Inverters, BESS, Diesel Gensets);

6.1.7.4 Technical Specifications of the Distribution Systems;

- 6.1.7.5 Single-line Diagram;
- 6.1.7.6 Annual Work and Maintenance Plan to provide for the following:
 - a. Corresponding Budget Estimate;
 - b. Scheduled Outage Allowance which should not be more than seven hundred twenty (720) Hours
 - c. Plan of action to mitigate power interruptions
 - d. Must be 100% available in the months of April, May, June, November, and December.
 - e. Any unutilized allowed scheduled outage allowances within a calendar year will not be accumulated for use during the succeeding years of cooperation.
- 6.1.7.7 Enhancement and Development Plan to include upgrading and financial requirements which will be essential in meeting the projected increase and variability of the demand and the RE resource;
- 6.1.7.8 Load Forecast for the Proposed Cooperation Period;
- 6.1.7.9 Load Curve Estimate; and
- 6.1.7.10 Distribution Line Staking Plan
- 6.1.7.11 The construction and development plan including activities and timeline to complete the following:
 - 6.1.7.11.1 Supply, construction, installation of the MGS;
 - 6.1.7.11.2 Testing and commissioning of the generating units;
 - 6.1.7.11.3 Establishment of Associated Services, such as, but not limited to, enhancement to the MGS, customer billing and collections; and
 - 6.1.7.11.4 Completion of appurtenant compliances, permits and authorization for the Commercial Operations of the MGS.
 - 6.1.7.11.5 Construction, Equipment, Installation, and Mobilization Plan in line with the completion timeline indicated in the proposal, which must not exceed eighteen (18) months.

6.2 Proposed Technology

6.2.1 Type of RE Resource/Technology

- 6.2.1.1 The technology should be the least-cost option in providing 24/7 electricity service and will result in 100% total electrification in the area during the Cooperation Period and the RE component should be compliant to the RPS Rules for off-grid areas.
- 6.2.1.2 For households not commercially viable for connection to the MGS, the bidder shall propose an alternative solution to provide electrification.
- 6.2.1.3 A feasibility study is not be required for new technologies, however, proof of commercial operation of at least two (2) years for such technology is required.

6.2.2 Compliance with PSGG & Philippine Distribution Code (PDC)

- 6.2.2.1 The proposal must comply with PSGG and PDC (compliance with technical parameters and operational standards for the MGS).
- 6.2.2.2 Use of technologies for a smart grid (such as smart meters and real-time remote monitoring of performance).

6.2.3 Minimum Specification for Energy Mix

- 6.2.3.1 24/7 power supply;
- 6.2.3.2 Hybrid-RE system with a minimum RE share of 35% upon its commercial operations, to be maintained at the level consistent with the Philippine Energy Plan; and
- 6.2.3.3 Calculation of RE share over the project's lifetime based on estimated load growth.

6.3 Institutional Requirements

The Bidder shall include its plan for the operation and maintenance arrangements to include the following:

- 6.3.1. Organizational Setup (Construction and Operational Stage)
- 6.3.2. Framework for Collection, Billing, Disconnection, and Accounting
- 6.3.3. Process of connection/disconnection, resolution of consumer complaints, and additional forms prescribed in this TOR.

7. Financial Proposal and Requirements

- 7.1. The Bidder shall include the financial proposal, the discussion and all of the assumptions used in the project costing, adequate financing, life-cycle cost estimate, formulation of its proposed Full Cost Recovery Rate (FCRR), and computation of Return of Investment.
- 7.2. The FCRR shall specify the cost of generation and distribution. The following assumptions shall be included in the details of the FCRR computation, as applicable:

- 7.2.1. Capital Cost;
- 7.2.2. Fuel price for the FCRR calculation shall be based on the average of the last three (3) months per DOE website on the diesel fuel price
- 7.2.3. Fixed Operation and Maintenance;
- 7.2.4. Variable Operation and Maintenance;
- 7.2.5. Tax Assumptions;
- 7.2.6. Interest Rate Assumptions;
- 7.2.7. Published Exchange Rates based on updated BSP closing rate
- 7.2.8. Indexation based on the _____, costing of PSA or other international-based Consumer Price Index as of the same date, as applicable
- 7.2.9. Land Cost
- 7.2.10. FCRR (Unbundled to include the calculation of the FCRR). (Annex F)
- 7.2.11. Capital Recovery Fee (including distribution line and losses with other transformer)
- 7.2.12. Component Replacement Cost (Batteries, inverters)

7.3. Bidders' Financial Statement

- 7.3.1. Audited Financial Statement (FS) for the last two (2) years;
- 7.3.2. Unaudited FS is required, duly signed by the responsible official such as the President and/or Chief Finance Officer, if the Audited FS is dated six (6) months beyond the date of Submission of Bids. Bank certification shall be attached to substantiate the cash balance in the Unaudited FS;
- 7.3.3. Projected Cash Flow Statement for the next two (2) years from the signing of the MSC showing the fund sources to finance the Project Development and initial phase of the Commercial Operation.
- 7.3.4. In case of a loan, proof of application or certificate on the approved loan or Proof of Credit Line/Facility by the bank earmarked for the proposed project, subject to pos-qualification.
- 7.3.5. Sworn Letter of Commitment from stockholders for additional equity/cash infusion
- 7.3.6. For applicants with insufficient funds to finance the proposed operations:
 - 7.3.6.1. Newly organized corporation (existing for two (2) years or less from date of registration with SEC) should be supported by parent company's financial documents per items 1 and 2 above and Letter of Guaranty by the parent company to fund the work program.
 - 7.3.6.2. Subsidiary corporation (existing for more than two (2) years from date of registration with SEC) should be supported by the following:

- 7.3.6.2.1. Notarized Letter of Guaranty from the majority shareholder/s and Original Bank proof of capacity to satisfy the said Guaranty Certification; or
- 7.3.6.2.2. Parent company's financial documents per 7.3.1 and 7.3.2 and Letter of Guaranty by the parent company to fund the work program/plan
- 7.3.6.2.3. In case of a domestic parent company, the Letter of Guaranty should be duly notarized.
- 7.3.6.2.4. In case of foreign parent company, the proof of application of authenticated documents by the Philippine Consulate Office that has jurisdiction over the said parent company.

7.4. Bidders' Financial Capability

- 7.4.1. Minimum working capital (Liquid Asset less Current Liabilities) is 100% of the financial commitment for the first contract year of the proposed work program and budget;
- 7.4.2. Liquid Assets shall consist only of cash, trade accounts receivable and short term investments/placements. Credit line is not considered as a Liquid Asset; and
- 7.4.3. The applicant's available working capital for each project should be net of fund requirements from existing and/or pending application for services/operating contracts with the DOE.
- 7.4.4. Bidders' Debt-to-Equity ratio shall not exceed 2.5:1.0.
- 7.4.5.

8. MICROGRID SERVICE CONTRACT

The Winning Bidder(s) shall execute the MSC, attached as Annex G, with NPC within fifteen (15) calendar days from the receipt of Notice of Award.

9. PERMITTING, LICENSING, COMPLIANCE AND POSSIBLE ADJUSTMENTS NOT INTEGRATED IN THIS TOR

The Winning Bidder shall be solely responsible for adhering to its responsibilities as MGSP in the areas awarded to it, pursuant to the provisions of RA 9136 and its IRR, RA 11646 and its IRR, and other relevant issuances by the DOE, ERC, and other government agencies and instrumentalities.

Upon the execution of the MSC, the Winning MGSP shall only impose the rate as approved by the ERC and shall be responsible for seeking any adjustments pursuant to the provisions of the MSC.

The Winning MGSP shall also be responsible in securing all permits, licenses, and other requirements necessary for it to ensure the timely Project Development and Commercial Operation of the MGS in the awarded areas.

10. EVALUATION OF PROPOSAL

All proposals shall be evaluated on the basis of the following criteria:

Major Criteria	Percentage	Remarks
Technical		
Plan/Design of the MGS including plan for expansion (15%)	40%	Overall Plan, Design and description of the basis of the demand estimation / projection including justification with proof of the conduct of due diligence and actual survey conducted.
Company Experience related to the project and Manpower Requirements (10%)		Should meet the minimum manpower requirements with the corresponding relevant experience and professional qualification as indicated in Table H.
Operation and Maintenance (10%)		Shall include the proposed number of operating hours, Preventative Maintenance Schedule and Critical Personnel Man-hours.
Implementation Timeline / Project Execution (5%)		Eighteen (18) months is the maximum timeline and proposals with a shorter timeline will be given higher scores.
FCRR	40%	40% rating shall be fully attributed to the bidder with the lowest cost, other proposal scores will be computed based on their difference on the lowest. <i>Rating=(Lowest Rate/Higher Rate)*40%</i>
Financial		
Financial Capacity	20%	The bidder will be scored based on the extent and availability of the funds to finance its proposed operations. The bidder who can demonstrate sound financial policies will be given a higher score.
Working Capital (6%)		
Current Ratio (6%)		
Debt to Equity Ratio (5%)		
Projected Cash Flow (3%)		
Total Percentage	100%	


The Bidder with the highest cumulative score based on this criteria shall be subject to post-qualification evaluation.

11. LIQUIDATED DAMAGES

If the Winning Bidder fails to satisfactorily complete the work within eighteen (18) months from the execution of the MSC including any extension or grace period duly granted, or meet the operated as prescribed in the MSC, the Winning Bidder shall pay the DOE liquidated damages, as specified in the MSC as an indemnity and not by way of penalty, an amount of 0.5% of the total project cost or One Million Pesos (Php1,000,000.00) per day of delay, whichever is higher. The determination of delay shall be based on the milestone completion as indicated in the work plan submitted by the Winning Bidder.

The imposition and collection of liquidated damages shall be without prejudice to the right of the DOE concerned to rescind and proceed with the procedures prescribed of the MSC.

Endorsement for the MGSP SBAC TWG by:


Director Amelia M. De Guzman
MGSP SBAC TWG, Head γ

Approved by:


Undersecretary Giovanni Carlo J. Bacordo
MGSP SBAC, Chairperson

Assistant Secretary Mario C. Marasigan, CESO III
MGSP SBAC, Alternate Chairperson


Director Irma C. Exconde
MGSP SBAC Member


Director Augustus Cesar A. Navarro
MGSP SBAC Member


OIC-Director Myra Fiera F. Roa
MGSP SBAC Member

- Annex A. [List of MGSP Areas](#)
- Annex B. [Distribution Utility Form 4 for MGSP Areas](#)
- Annex C. [Letter of Commitment for RESC](#)
- Annex D. [Executive Summary of Proposal](#)
- Annex E. [Electrification Master Plan](#)
- Annex F. [Breakdown of Full Cost Recovery Rates \(Unbundled\)](#)
- Annex G. [MGSP Service Contract \(MSC\)](#)
- Annex H. [Table \(Manpower\)](#)

Annex A. List of DOE Declared Unserved and Underserved Areas for MGSP-CSP

Lot Number	Type of Area	Distribution Utility	Major Island	Region	Province	Municipality	Barangay	Sitio	Actual Number of Households	Potential Households for 2026
1	Unserved Areas	CANORECO	Luzon	V	Camarines Norte	Paracale	Macolabo Island	Purok 1	215	235
	Unserved Areas	CANORECO	Luzon	V	Camarines Norte	Paracale	Macolabo Island	Purok 2		
	Unserved Areas	CANORECO	Luzon	V	Camarines Norte	Paracale	Macolabo Island	Purok 3		
	Unserved Areas	CANORECO	Luzon	V	Camarines Norte	Paracale	Macolabo Island	Purok 4		
2	Unserved Areas	CANORECO	Luzon	V	Camarines Norte	Mercedes	Quinapaguian	Purok 1	280	306
	Unserved Areas	CANORECO	Luzon	V	Camarines Norte	Mercedes	Quinapaguian	Purok 2		
	Unserved Areas	CANORECO	Luzon	V	Camarines Norte	Mercedes	Quinapaguian	Purok 3		
3	Unserved Areas	CANORECO	Luzon	V	Camarines Norte	Mercedes	Apuao	Purok 1	158	173
	Unserved Areas	CANORECO	Luzon	V	Camarines Norte	Mercedes	Apuao	Purok 2		
	Unserved Areas	CANORECO	Luzon	V	Camarines Norte	Mercedes	Apuao	Purok 3		
4	Unserved Areas	CANORECO	Luzon	V	Camarines Norte	Mercedes	Caringo	Purok 1	385	421
	Unserved Areas	CANORECO	Luzon	V	Camarines Norte	Mercedes	Caringo	Purok 2		
	Unserved Areas	CANORECO	Luzon	V	Camarines Norte	Mercedes	Caringo	Purok 3		
	Unserved Areas	CANORECO	Luzon	V	Camarines Norte	Mercedes	Caringo	Purok 4		
5	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	Moises Padilla (magallon)	Macagahay	Cupad	200	219
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	Moises Padilla (magallon)	Macagahay	Mantaoyan		
6	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Orong	Purok 1, Marinay	175	191
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Orong	Purok 2, Marinay		
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Orong	Purok 3, Marinay		
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Orong	Purok 4, Tambulogan		
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Orong	Purok 6, Marinay		
7	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Tan-Awan	Amihan	540	590
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Tan-Awan	Baye		
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Tan-Awan	Buko		
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Tan-Awan	Bunsad		
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Tan-Awan	Kalangkang		
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Tan-Awan	Kambu-alaw		
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Tan-Awan	Malagapas		
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Tan-Awan	Manulaya		
8	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Tan-Awan	Umabay	300	328
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Tan-Awan	Atimon		
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Tan-Awan	Bahi		
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Tan-Awan	Kalapin-an		
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Tan-Awan	Pangkulan		
9	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	Cauayan	Yao-yao	Tara	180	197
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	Cauayan	Yao-yao	Culad		
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	Cauayan	Yao-yao	Olomhon		
10	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	Binalbagan	Amontay	Polopena	180	197
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	Binalbagan	Amontay	Carangawan		
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	Binalbagan	Amontay	Namutang		
11	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	Binalbagan	Amontay	Tangkuban	240	262
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	Binalbagan	Amontay	Guihoban		
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	Binalbagan	Amontay	Malagikhik		
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	Binalbagan	Amontay	Nabilog		
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	Binalbagan	Amontay	Nabirasan		

Annex A. List of DOE Declared Unserved and Underserved Areas for MGSP-CSP

Lot Number	Type of Area	Distribution Utility	Major Island	Region	Province	Municipality	Barangay	Sitio	Actual Number of Households	Potential Households for 2026	
12	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	Isabela	Makilignit	Namutang	220	240	
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	Isabela	Makilignit	Tungatungahan			
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	Isabela	Riverside	Paganpan			
13	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Carol-an	Anahaw	200	219	
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Carol-an	Mabaho			
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Carol-an	Malansa			
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Carol-an	Manlawaan			
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Kabankalan	Carol-an	Nayang			
14	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Sipalay	Maricalum	Mayha	354	387	
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Sipalay	Maricalum	Montay			
	Unserved Areas	NOCECO	Visayas	VI	Negros Occidental	City of Sipalay	Maricalum	Tanusan			
15	Unserved Areas	QUEZELCO II	Luzon	IV	Quezon	Burdeos	Cabungalunan	Proper	295	322	
16	Unserved Areas	PALECO	Luzon	IV-B	Palawan	Araceli	Osmeña	Proper	234	256	
17	Unserved Areas	PALECO	Luzon	IV-B	Palawan	Agutaya	Algeciras	Algeciras Island	1,137	1,243	
18	Unserved Areas	PALECO	Luzon	IV-B	Palawan	Agutaya	Diiit	Diiit Island	295	322	
19	Unserved Areas	PALECO	Luzon	IV-B	Palawan	Agutaya	Matarawis	Matarawis Island	84	92	
20	Unserved Areas	PALECO	Luzon	IV-B	Palawan	Araceli	Madoldolon	Proper	205	224	
21	Unserved Areas	PALECO	Luzon	IV-B	Palawan	Araceli	Balogo	Proper	178	195	
22	Unserved Areas	PALECO	Luzon	IV-B	Palawan	Araceli	Mauringuen	Proper	224	245	
23	Unserved Areas	PALECO	Luzon	IV-B	Palawan	Araceli	San Jose De Oro	Proper	152	166	
24	Unserved Areas	PALECO	Luzon	IV-B	Palawan	Araceli	Santo Niño	Proper	163	178	
25	Unserved Areas	PALECO	Luzon	IV-B	Palawan	Araceli	Taloto	Proper	142	155	
26	Unserved Areas	PALECO	Luzon	IV-B	Palawan	Araceli	Dalayawon	Proper	120	131	
27	Unserved Areas	PALECO	Luzon	IV-B	Palawan	Araceli	Lumacad	Proper	134	146	
28	Unserved Areas	PALECO	Luzon	IV-B	Palawan	Cuyo	Caponayan	Caponayan Island	261	285	
29	Unserved Areas	PALECO	Luzon	IV-B	Palawan	Cuyo	Lubid	Lubid Island	207	226	
30	Unserved Areas	PALECO	Luzon	IV-B	Palawan	Balabac	Agutayan	Daya	174	190	
31	Unserved Areas	PALECO	Luzon	IV-B	Palawan	Balabac	Catagupan	Proper	547	598	
32	Unserved Areas	PALECO	Luzon	IV-B	Palawan	Balabac	Salang	Proper	503	550	
33	Underserved Areas	PALECO	Luzon	IV-B	Palawan	Agutaya	Concepcion		393	430	
34	Underserved Areas	MASELCO	Luzon	V	Masbate	Placer	Guin-Awayan		437	478	
35	Underserved Areas	MASELCO	Luzon	V	Masbate	Placer	Naboctot		302	330	
36	Underserved Areas	MASELCO	Luzon	V	Masbate	San Pascual	Ki-Buaya (Rizal)		199	218	
37	Underserved Areas	MASELCO	Luzon	V	Masbate	San Pascual	Quintina		396	433	
38	Underserved Areas	NPC	Visayas	VIII	Samar	Almagro	Kirikite		234	256	
	Underserved Areas	NPC	Visayas	VIII	Samar	Almagro	Magsaysay				
39	Underserved Areas	NPC	Mindanao	IX	Zamboanga del Sur	Zamboanga City	Manalipa		462	505	
40	Underserved Areas	NPC	Mindanao	IX	Zamboanga del Sur	Zamboanga City	Pangapuyan		133	145	
41	Underserved Areas	NPC	Mindanao	IX	Zamboanga del Sur	Zamboanga City	Tigtabon		1,156	1,264	
									Total Households to be electrified	12,394	13,548
									Total Numbers of Areas	85	

<COMPANY LOGO>
<COMPANY NAME>
<COMPANY ADDRESS>

LETTER OF COMMITMENT FOR RE CONTRACT APPLICATION

Undersecretary Giovanni Carlo J. Bacordo
MGSP-SBAC Chairperson
Department of Energy
Energy Center, Rizal Drive cor. 34th Street,
Bonifacio Global City,
Taguig City, Philippines 1632

Subject: **Letter of Commitment to Apply for Renewable
Energy Service Contract (RESC)**

Dear **Undersecretary Bacordo**,

We wish to express our intent to apply for an RESC for the development of Microgrid System Project with Renewable Energy component in (*Insert Project Location*).with an estimated potential capacity of (*Insert Estimated Capacity in MW*).

Furthermore, we hereby state our intent to (*avail the Certificate of Authority / directly apply for an RE Contract*) as stipulated in the Revised Omnibus Guidelines.

Thank you.

Very truly yours,

Signature over Printed Name
Applicant or Authorized Representative

Address:
Email address:
Facsimile No.
Mobile No:

ANNEX D. Executive Summary of Proposal

Parameters		Proponent Proposal
	Unit	Lot #
Full Cost Recovery Rate	<i>Php/kWh</i>	
RE Share at Year 1	%	
Variable Operation and Maintenance		
Total Energy Demand, 1st Year	<i>MWh</i>	
PV System Size	<i>kWp</i>	
Diesel Genset	<i>kW</i>	
Battery Size	<i>kWh</i>	
Distribution Grid Line	<i>km</i>	
Average Daily Energy Output	<i>kWh/ kWp</i>	
PV CAPEX	<i>Php/kW</i>	
PV OPEX	<i>Php/kW/Y</i>	
Diesel CAPEX	<i>Php/kWh</i>	
Diesel OPEX Variable		
Diesel OPEX Fix		
Fuel Price	<i>Php/L</i>	
Fuel per kWh (high load)		
Diesel price increase		
Battery system CAPEX	<i>Php/kWh</i>	
Battery OPEX	<i>Php/kWh/Y</i>	
C-rate	<i>kW/kWh</i>	
Maximum Depth of discharge		
Charging efficiency		
Discharging efficiency		
Fixed project development costs	<i>PHP</i>	
Fixed other initial costs	<i>PHP</i>	
Fixed other OPEX	<i>PHP/year</i>	
Fixed personnel costs	<i>PHP/year</i>	
Grid initial costs	<i>PHP</i>	
Fixed grid OPEX	<i>PHP/year</i>	
Discount rate	%	
Project duration	<i>Years</i>	
Distribution losses	%	
System stability factor	%	

Electrification Master Plan

Instruction and Purpose: Kindly fill out the form to determine the target households by different electrification strategies planned for implementation throughout the cooperation period of 20 years.

MGSP Area Electrification Targets (Using annual 2% increase)		2024	Operational Year						
			2026	2027	2028	2029	2030	2031	20 th Year
Potential Households									
Total Households Served									
Total No. of Households to be served	Total								
	Distribution Line Extension (Primary & Secondary Line, in km)								
	Existing AC capacity (Diesel+Solar) (in kW)								
	Max est. peak load (in kW)								
	max est. peak load divided by installed capacity (AC Diesel +Solar)								

Prepared by:

<Position of Personnel>

Attested by:

<Position of Personnel>

Annex F. Breakdown of FCRR Component (Unbundled)

<Name of the Area>		Diesel	Solar	Blended FCRR Year 1
	% Share	%	%	100%
Generation	Capital Recovery Fee			
	Fixed Operation and Maintenance Fee			
	Variable Operation and Maintenance Fee			
	Diesel Fuel Cost			
	Sub-total			
Power Management	Capital Recovery Fee			
	Operation and Maintenance Fee			
	Sub-total			
Distribution	Capital Recovery Fee			
	Operation and Maintenance Fee			
	Sub-total			
Total				

Manpower Requirement

Criteria	Requirement	
Experts Present with at least x years of experience in developing, designing, constructing and operation & maintenance of RE-Hybrid Microgrid Sytem Facility (RE-Hybrid Design Specialists, Electrical Engineering Specialists, Accountant, Compliance Specialist, Project Execution and Logistics Specialists, operation and maintenance personnel)	Project Manager/ Project Director	min 8 y
	Electrical Engineer - Generation	min 5 y
	Electrical Engineer - Distribution	min 8 y
	Supply Chain & Logistics Specialist	min 8 y
	Accountant	min 5 y
	Compliance Specialist	min 3 y
	O&M Manager	min 5 y
	O&M Engineer	min 2 y
	O&M Engineer/ Safety Officer	min 3 y