

# Request for Quote (RFQ): Racking System for Photovoltaic (PV) Modules

## 1. Executive Summary

The Cooperativa Hidroeléctrica de la Montaña is issuing this Request for Quote (RFQ) CHM-PVMRS-001 for the procurement of racking system for photovoltaic (PV) modules to support the implementation of Phase 2 of its ReEnFoCo – Community Energy Resilience Hubs (CERH) program. This phase will deploy ten (10) community microgrids across Puerto Rico's Central Mountain Range, each featuring approximately 87.5 kW of photovoltaic generation and 185 kWh of battery storage. The requested equipment must integrate inverter and storage functions into a single, reliable system that complies with the Build America, Buy America (BABA) Act, LUMA Energy interconnection standards, and all applicable UL, IEC, and ISO certifications.

The objective of this RFQ is to identify qualified suppliers capable of providing technically compliant, high-performance, and durable All-in-One BESS units that ensure system safety, cybersecurity, scalability, and long-term reliability under Puerto Rico's operating conditions. Selected suppliers will be evaluated based on technical performance, cost competitiveness, warranty coverage, local support availability, and regulatory compliance. Initial delivery is expected no later than 01FEB25 in Utuado, Puerto Rico, with full documentation, warranty, and training support required. Through this procurement, the Cooperativa aims to strengthen community energy resilience, advance its distributed renewable energy model, and lay the foundation for future expansion of microgrids across the island's mountain region.

## 2. Background

### 2.1. Requester Information

<b>Company Name:</b>	Cooperativa Hidroeléctrica de la Montaña
<b>Point of Contact:</b>	Ana Maria Ruíz Montero Program Manager, Renewable Energy <a href="mailto:microrred@cooperativahidroelectrica.coop">microrred@cooperativahidroelectrica.coop</a> +1.939.300.4377, Ext. 0005

### 2.2. Cooperativa Hidroeléctrica de la Montaña

The Cooperativa Hidroeléctrica de la Montaña is the first electric service cooperative in Puerto Rico. Its mission is to provide cost-effective and resilient energy from renewable sources to improve the quality of life of its Member-Owners in the municipalities of Adjuntas, Jayuya, Lares, Maricao, and Utuado. The Cooperativa empowers residents in creating energy solutions with the objective of building more resilient communities in Puerto Rico's Central Mountain Range, thereby ending community vulnerability caused by the lack of a reliable and resilient electric service.

The Cooperativa Hidroeléctrica de la Montaña's ReEnFoCo program aims to install 10 megawatts (MW) of rooftop solar energy and 20 megawatt-hours (MWh) of battery storage configured as microgrids throughout the Central Mountain Range. These grid-connected microgrids will include an automatic bimodal controller that will allow system isolation during grid interruptions, ensuring continuous electricity supply to the Cooperativa's Member-Owners and community members. This ambitious effort reflects the determination of the communities of the Central Mountain Range to take control of the critical components of their energy infrastructure and guarantee access to resilient electricity in the face of extreme weather events and the instability of the traditional electric system. By continuously involving its Member-Owners, the Cooperative ensures that decisions respond to local needs and that the project's benefits are shared equitably among business owners and residents.

### 2.3. Goals & Objectives

As part of Phase 2 of the ReEnFoCo Project – Community Energy Resilience Hubs (CERH) – the Cooperativa Hidroeléctrica de la Montaña is developing ten (10) community microgrids, each with 87.5 kW of photovoltaic generation and 185 kWh of battery storage. For the implementation of these microgrids, the acquisition of mounting systems is

required to safely and efficiently support the photovoltaic modules, meeting the highest standards of quality, durability, and resistance to local environmental conditions. These systems are necessary to ensure the correct installation and alignment of the modules, maximize renewable energy production, and guarantee the long-term stability and reliability of the systems. The acquisition of mounting systems through this RFQ not only addresses the immediate needs of this phase but also lays the foundation for the future expansion of the Cooperative’s microgrid program.

### 3. Quote

#### 3.1. Racking system for photovoltaic (PV) modules

The Cooperativa Hidroeléctrica de la Montaña requires the following racking systems for photovoltaic (PV) modules:

Item	Description
<b>Racking system for photovoltaic (PV) modules</b>	<ul style="list-style-type: none"> <li>• Material: anodized aluminum, corrosion-resistant</li> <li>• Adjustable tilt according to site design</li> <li>• Structural capacity to withstand wind up to 170 mph and uplift pressure differentials.</li> <li>• Fasteners, bolts, and accessories included</li> </ul>

#### 3.2. Requirements

##### Mandatory Requirements

- Racking system must be UL certified.
- A product warranty must be provided (minimum of 10 years).
- System must be designed to withstand up to 170 mph.
- Racking system must be compatible with PV modules approximately 95 x 45 inches.
- Racking system must allow for 20° tilt.
- The supplier must be in good standing.
- Supplier must agree to retain records per 2 CFR §200.334–337 (for 3 years post-payment).

##### Desired or Optional Features

- Extended warranty (15 – 25 years)
- Adjustable tilt angles to optimize performance by site.

- Integrated wire management and grounding clips for cleaner and safer installations.

## General

- Availability of technical support, maintenance, and training in Puerto Rico.
- Delivery within required timelines and capacity to supply total required volume.
- Provision of installation manuals, drawings, and torque specifications.

## Racking System

- Material: anodized aluminum, corrosion resistant.
- Adjustable tilt according to site design and orientation requirements.
- Structural capacity to withstand wind up to 170 mph and uplift pressure differentials.
- Supports installation of 1,620 modules per microgrid.
- Includes all fasteners, bolts, and accessories required for complete assembly.

## Certification Compliance & Warranty

- Compliance with applicable standards and certifications: UL 2703, IEC 62548, ISO 9001, ISO 14001, ISO 45001 / OHSAS 18001, NEC Article 690, and local building codes in Puerto Rico.
- 10-year warranty minimum for product and system performance.

### 3.3. Delivery

<b>Delivery Deadline:</b>	01FEB26
<b>Delivery Location:</b>	Utuado, Puerto Rico 00641 (precise location to be determined)
<b>Delivery Terms:</b>	Delivered Duty Paid (DDP), inland transport negotiable

Delivery of systems, as negotiated during the procurement process, shall occur in Utuado, Puerto Rico no later than 01FEB26 to align with the Cooperativa's project implementation schedule. Installation and commissioning activities are expected to begin shortly thereafter. Suppliers must confirm their ability to meet this delivery date and identify any potential risks or constraints that could affect timely delivery.

### 3.4. Local Training & Technical Support in Puerto Rico

The Cooperativa Hidroeléctrica de la Montaña and its projects are located in Puerto Rico, therefore the Cooperativa Hidroeléctrica de la Montaña will evaluate the availability of the following in Puerto Rico:

- Technical support
- Training and certification courses on equipment operations and maintenance (O&M)
- Required authorizations for working on equipment, including self-performance.
- Warranty coverage, maintenance programs to maintain the warranty, and estimated operating and maintenance costs for that maintenance.

### 3.5. Applicable Federal Regulations and Compliance Obligations

#### Build America, Buy America Act (BABA)

The Cooperativa Hidroeléctrica de la Montaña will receive federal funding for this phase of the ReEnFoCo program, therefore equipment must meet certain requirements, such as the Build America, Buy America (BABA) under the Infrastructure Investment and Jobs Act, including OMB Memorandum M-24-02 and Department of Energy guidance and interpretation.

The percentage of the components in the equipment that was manufactured in the United States can be calculated in accordance with the following definition from BABA:

“All manufactured products used in the project are produced in the United States—this means the manufactured product was manufactured in the United States; and the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55 percent of the total cost of all components of the manufactured product, unless another standard for determining the minimum amount of domestic content of the manufactured product has been established under applicable law or regulation. The costs of components of a manufactured product are determined in accordance with 2 CFR 184.5;”

Vendors must:

- Certify compliance with domestic production preference requirements (BABA).
- Provide documentation of U.S. manufacturing and the percentage of domestic content (minimum 55%, unless DOE/OMB specify another standard).
- Submit manufacturer certifications or cost breakdowns as evidence of compliance.

## 2 CFR Part 200

### Suspension and Debarment (2 CFR §200.214)

- Vendors must certify that neither the company nor its principals are currently suspended, debarred, proposed for debarment, or declared ineligible for federal contracts.
- The Cooperativa will verify the vendor's status in SAM.gov prior to award.

### Conflict of Interest (2 CFR §200.318(c))

Vendors must certify that:

- There is no actual or potential conflict of interest with the staff, officers, or Board members of the Cooperativa Hidroeléctrica de la Montaña.
- The vendor will disclose any relationship, financial interest, or other circumstances that may represent a conflict.

### Bonding Requirements (2 CFR §200.326)

For contracts involving construction or installation exceeding the Simplified Acquisition Threshold (\$250,000):

- Bid Guarantee: 5% of the quote price.
- Performance Bond: 100% of the contract price.
- Payment Bond: 100% of the contract price.

If not applicable to this RFQ, the Cooperativa will waive the bonding requirements.

### Required Federal Contract Clauses (2 CFR §200.327)

The following provisions will apply to any contract issued as a result of this RFQ, as applicable to the scope and funding:

- Equal Employment Opportunity (EO 11246)
- Copeland "Anti-Kickback" Act (40 U.S.C. 3145) (if applicable to construction)
- Davis-Bacon Act (40 U.S.C. 3141–3148) (if construction >\$2,000)
- Contract Work Hours and Safety Standards Act (40 U.S.C. 3701–3708) (if >\$100,000 and applicable to construction/installation)
- Rights to Inventions (37 CFR Part 401) (if applicable)
- Clean Air Act (42 U.S.C. 7401–7671q) and Federal Water Pollution Control Act (33 U.S.C. 1251–1387) (if >\$150,000)
- Suspension and Debarment (2 CFR Part 180)
- Byrd Anti-Lobbying Amendment (31 U.S.C. 1352) (if >\$100,000, vendor must submit certification)
- Domestic production preferences (2 CFR §200.322)

## Record Retention and Audit Access (2 CFR §200.334–337)

Vendors must agree to:

- Maintain all procurement, financial, and performance records for at least three (3) years after final payment.
- Provide access to such records to the Cooperative, the U.S. Department of Energy, the Comptroller General, and auditors upon request.

## Federal Funding Disclosure

This procurement is funded in whole or in part with federal funds awarded to the Government of Puerto Rico through the Central Office for Recovery, Reconstruction and Resilience (COR3), as recipient and pass-through entity.

Vendors must comply with all applicable federal statutes, regulations, and executive orders associated with this award, as well as with the requirements established by DOE, COR3, and the Mountain Hydroelectric Cooperative as a subrecipient of these funds.

### 3.6. RFQ Response Instructions:

Vendors interested in bidding on this project are directed to review the Cooperativa Hidroeléctrica de la Montaña's needs (detailed below) and provide a quote to the requester. All questions should be directed to the contact provided in the Requester Information section.

### 3.7. Response Content Requirements

#### Cover Letter

- Brief introduction of the company and confirmation of interest in supplying the required system.
- Authorized representative's name, title, and contact information.

#### Technical Proposal

- Product datasheet(s) and system specifications.
- Relevant certifications (e.g., UL 9540, UL 1973, UL 1642, IEC 62619).

#### Compliance Certifications

- Statement confirming compliance with:
  - Build America, Buy America (BABA) Act
  - Suspension and Debarment (2 CFR §200.214)
  - Conflict of Interest (2 CFR §200.318(c))



## Pricing and Delivery

- Unit costs (USD/ft) for the proposed solutions, including all required components and delivery (Delivered Duty Paid – DDP).
- Estimated delivery lead time and confirmation of ability to meet the required delivery date (01FEB26).

## Warranty and Support Information

- Summary of warranty terms (product and performance).
- Description of available technical support and training in Puerto Rico.

## Availability for Presentation

- Please provide time alternatives for a potential technical and commercial presentation regarding the submitted quote on the days 22OCT25 – 25OCT25.

## Supplier Questionnaire

- Responses to all questions listed under “Supplier Questionnaire”, Section 4.

## 4. Vendor Questionnaire

Please respond to the following questions as part of the vendor quote.

1. Please describe the proposed racking system, including technical specifications, design standards, and compliance with applicable codes.
2. What certifications, quality assurance processes, and standards (e.g., UL 2703, IEC 62548, ISO 9001, ISO 14001, ISO 45001) support the safety and reliability of your system?
3. What are the product and structural warranty terms, including duration and coverage?
4. What is the estimated delivery lead time from the date of purchase order?
5. What is the estimated installation time per array or module?
6. Are all fasteners, grounding clips, and installation hardware included in the quoted price?
7. Please specify the total cost per set, per module, and per kW.
8. Provide a breakdown of domestic vs. imported content to confirm Build America, Buy America (BABA) compliance.
9. Are replacement parts and technical support available in Puerto Rico?



10. What local or regional technical support and training do you provide for installation or maintenance?
11. Please provide any applicable terms or conditions for sale, warranty, or service.

## 5. Selection Process

### 5.1. Schedule

Milestone	Date
<b>ID</b>	CHM-PVMRS-001
<b>Issue Date</b>	06OCT25
<b>Supplier Questions Submission Deadline</b>	13OCT25, 17:00 AST
<b>Buyer Questions Response Deadline</b>	15OCT25, 17:00 AST
<b>Supplier Quote Submission Deadline</b>	20OCT25, 23:59 AST
<b>Supplier Presentations by Invitation</b>	22OCT25 — 25OCT25
<b>Equipment Selection Complete</b>	31OCT25

### 5.2. Supplier Presentations

The Cooperativa Hidroeléctrica de la Montaña reserves the right to invite suppliers who meet the mandatory requirements established in this RFQ to deliver a technical and commercial presentation. These presentations will serve to clarify information, validate the supplier's technical capability, and confirm the compatibility of the proposed equipment with the project's objectives.

Participation in a presentation does not guarantee contract award but will form part of the technical evaluation and final selection process.

### 5.3. Selection Criteria

#### Mandatory Requirements

Quotes that do not meet all mandatory requirements specified in this RFQ will be automatically disqualified and will not be considered for technical or financial evaluation.

## Weighted Criteria

Weighted criteria will be evaluated based upon:

Criteria	Points
<b>Technical Performance</b>	30
<b>Cost</b>	25
<b>Warranty</b>	15
<b>Support &amp; Availability</b>	15
<b>Compliance</b>	15
<b>Total</b>	<b>100</b>

## 6. Administrative and Legal Conditions

### 6.1. Quote Validity Period

All submitted quotes must remain valid for 60 days from the RFQ due date.

### 6.2 Invoicing Instructions

Vendors will be requested to provide a list of accepted payment methods.

### 6.3 Submission Format

Responses must be submitted via email to the email address indicated in the Requester Information section as a single PDF attachment.

### 6.4 Selection Disclaimer

The Cooperativa Hidroeléctrica de la Montaña reserves the right to reject any or all quotes and is not obligated to award a contract based solely on the lowest cost.

## 7 Conclusion

Please send all questions related to this request for quotation to [microrred@cooperativahidroelectrica.coop](mailto:microrred@cooperativahidroelectrica.coop).

The Cooperativa Hidroeléctrica de la Montaña reaffirms its commitment to transparency, quality, and community energy resilience through a structured and competitive procurement process. Interested vendors must ensure full compliance with all requirements outlined in this document and submit complete, verifiable quotes

consistent with applicable technical and regulatory standards. Submission of a quote does not guarantee contract award; all proposals will be evaluated based on technical merit, cost-effectiveness, and compliance. Through this process, the Cooperative seeks to identify strategic partners that will strengthen the energy infrastructure and resilience of communities across Puerto Rico's Central Mountain Range.