MANILA ELECTRIC COMPANY (MERALCO)
Ortigas Center, Brgy. Ugong, Pasig City

REQUEST FOR INFORMATION

(SCM RFI NO. CD0126-0735-1)

SUSTAINABLE BATTERY SOLUTIONS

In support of MERALCO's commitment to strengthening its sustainability strategy, the battery systems used in substation equipment and controllers for distribution line devices have been identified as key focus areas. The objective is to adopt battery solutions that minimize environmental impact while maintaining high standards of safety, reliability, and performance.

MERALCO aims to gather insights from prospective suppliers regarding battery technologies that incorporate sustainable materials or components. The information obtained will support the development of technical specifications and applicable standards.

For reference, the specifications of the battery systems currently in use are provided below to guide vendors in preparing their submissions.

1. **SUBSTATION BATTERY**
   Direct Current (DC) requirement in the substation which includes but not limited to relaying, alarm, control, and SCADA equipment.

   1.1 Substation 125Vdc application for relaying, alarm, and control equipment.

PARAMETERS	SPECIFICATION
Battery Type	Sustainable Battery (indicate material) with Battery Management System (BMS)
Rated Capacity	≥ 200 Ah
Nominal Voltage	125 V
Charge Input Voltage	140V max

   2.2 Substation 48Vdc application for SCADA equipment.

PARAMETERS	SPECIFICATION
Battery Type	Sustainable Battery (indicate material) with Battery Management System (BMS)
Rated Capacity	≥ 80 Ah
Nominal Voltage	48 V
Charge Input Voltage	54V max

2. **DISTRIBUTION LINE BATTERY FOR REMOTE CONTROLLED LINE RECLOSER (RCLR)**
   RCLR Battery serves as back-up supply for the RCLR controller in case of AC Power Failure.

Remotely Controlled Line Recloser (RCLR) Controller Battery								
Application		3-Phase		3-Phase	3-Phase	3-Phase	1-Phase	3-Phase and 1-Phase
Control		Form 6		7SR224 Argus		SEL-351R-4	SEL-351RS Kestrel	RC10
Actual Picture								
BATTERY	Approved Equivalent Brand	Enersys® Hawker Genesis G13EP		RPower®-Technik Notstromsysteme	Accu-Cell Power	Enersys®/ Genesis	Enersys®/ Genesis	NOJA OEM	Power Sonic
	Total Output Voltage	24-V	24-V	48-V	48-V	24-V	12-V	12-V	12-V
	Votage per Unit	12-V	12-V	12-V	12-V	12-V	12-V	12-V	12-V
	No. of unit	2	2	4	4	2	1	1	1
	Capacity (@25°C)	13-AH		11-AH	11-AH	16-AH	40-AH	26-AH	28-AH
	Dimension (LXWXH) in mm	175 (L) x 83.1 (W) x 129 (H)		152 (L) x 99 (W) x 99 (H)	152 (L) x 99 (W) x 99 (H)	181 (L) x 76 (W) x 167 (H)	197 (L) x 165 (W) x 170 (H)	165 (L) x 126 (W) x 174 (H)	165 (L) x 125 (W) x 177 (H)
	Terminal Material Type	M6 Insert, Female		Faston Tab 2 (or F2)	Faston Tab 2 (or F2)	M6 Insert, Female	M6 Insert, Female	M6 Bolt	NB1
	Weight (Max, kg) per Unit	4.9		3.67	3.4	4.9	16.1	8	9.4

Figure 1. *Remote Controlled Line Recloser (RCLR) Controller Batteries*

CALENDAR OF ACTIVITIES:

ACTIVITY	DATE	TIME
Submission of Letter of Intent (LOI) and other requirements	January 23 – February 06, 2026	Until 11:59 PM of February 06, 2026

Interested vendors are requested to submit the following:

1. A duly signed and notarized Non-Disclosure Agreement (NDA) document. The NDA template shall be provided upon the submission of Letter of Intent.
2. Company Background/ Profile
3. Product catalog and/or technical brochures, including specifications and material composition of the proposed alternative materials.
4. Technical data and information on the usage of the offered batteries in substation and distribution applications
5. Technical data and information on the Battery Management System (BMS), including available features and functionalities.
6. Storage and maintenance requirements
7. Test reports
8. Side-by-side comparison with the current MERALCO requirement, including an explanation of how the proposed material meets the minimum requirements to serve as a replacement.
9. Proposed timeline for the delivery of Products/Services/Solutions
10. Approximate cost of the Products/Services/Solutions
11. Graph of battery life cycle versus temperature
12. Environmental impact
13. Cost-Benefit Analysis (CBA)
14. List of completed substation or distribution battery projects similar to MERALCO's applications
15. International standards used in manufacturing the product(s) (e.g., ASTM, ANSI, IEEE, IEC).
16. Supply record for the past five (5) years for the offered product, indicating client name and location.
17. Other relevant documents related to the proposed Products/Services/Solutions (e.g., Technical Data Sheets [TDS], drawings, etc.)
18. Technical presentation and product demonstration test (minimum of six [6] months). Vendors may request a site visit related to the demonstration test.
19. For Traders, a manufacturer's Certificate of Distributorship for the products offered, including local warranty and after-sales support.

Supplemental Information:

1. This RFI is non-binding and does not constitute a commitment to acquire vendor's products or services.
2. Vendors shall shoulder all costs associated in the preparation of their responses (e.g., preparation of budgetary quotation, conduct of Proof of Concept/ Product Demo, among others).
3. Responses received will be used solely for informational purposes only.
4. Documents or information submitted with the responses shall become property of MERALCO.
5. No bid fees are to be imposed in relation to this RFI.

MERALCO reserves the right to:

1. Issue an addendum to the RFI at any time as a result of questions, change in submission schedule, or other matters; and
2. To cancel or re-issue the RFI on a reasonable basis.

Submission of requested information must be in portable document format (PDF) and must be emailed to Category Management for Core – Distribution Utility Supplies through their email at **group.Distribution.Utility.Supplies@MERALCO.com.ph using business email address. The Letter of Intent and supporting documents must be received not later than 11:59 PM of February 06, 2026. LOI email subject format should be: RFI | CD0126-0735-1 | SUSTAINABLE BATTERY SOLUTIONS | *VENDOR NAME.***

(sgd.)
LUISITO B. ACUÑA
VP & Head, Supply Chain Management

MERALCO employs strict cybersecurity controls. Kindly refer to the following link for the Vendor Cybersecurity Advisory: https://company.MERALCO.com.ph/news-and-advisories/supply-chain-management-invitations-bid