



JAMAICA PUBLIC SERVICE CO. LTD.

REQUEST FOR PROPOSALS

**Service-Continuity Upgrade for Legacy Meidensha Medium-Voltage Vacuum Circuit
Breakers**

RFP # 1065054



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1. Introduction

Jamaica Public Service (JPS) Rockfort Diesel Power Station, located in Rockfort Kingston, Jamaica is evaluating a life-extension and service-continuity upgrade for its installed fleet of legacy Meidensha medium-voltage vacuum circuit breakers (VCBs), including generator breaker and auxiliary transformer feeder applications, and Neutral Ground Resistor (NGR). The installed breakers are 1984-vintage units that are now functionally obsolete and support-constrained due to OEM end-of-life status.

The plant is barge-mounted. This configuration imposes material constraints on access, staging, lifting, equipment footprint, constructability, and final arrangement; available space is strictly limited. Accordingly, proposed solutions shall be framed around one of two practical paths:

1. **Retention of the existing switchgear structure** with a roll-in replacement, retrofit, or equivalent service-continuity upgrade.
2. **Removal of the existing switchgear units and replacement with new units**, while maintaining the current bus bar infrastructure to the greatest extent practicable.

JPS seeks response from qualified vendors with demonstrated brownfield retrofit experience on Japanese legacy switchgear—specifically Meidensha and similar designs—regarding technically sound replacement strategies that preserve plant operability, minimize outage duration, and avoid unnecessary replacement of still-serviceable primary and secondary systems.

This RFP is intended to identify vendors capable of delivering the best solution that:

- replaces obsolete breakers with modern, supportable vacuum interrupter technology;
- retains the existing protection relay suite and associated trip/close supervision logic;
- preserves, protects, and verifies the existing non-bushing current transformers (CTs) and associated secondary circuits in the generator breaker and auxiliary transformer cells;
- maintains dielectric integrity, insulation coordination, mechanical interlocking integrity, and fit-for-service performance within the constraints of the existing Meidensha cubicle geometry; and
- provides a defensible migration path for critical generator breaker applications that must satisfy the more severe duty requirements associated with generator-source faults.

This RFP also requires respondents to address the installed 480 V auxiliary-transformer ACB application, presently identified as a Terasaki Electric Co., Ltd. AH-25C air circuit breaker, and to provide an obsolescence, supportability, and replacement strategy grounded in the installed name-plate duty.

Respondents are additionally required to address the installed exciter circuit breaker application, identified from the attached photographs as an Eaton / Cutler-Hammer Magnum DS low-voltage AC power circuit breaker, type MDS408. The installed basis to be addressed is 800 A frame, 3-pole, 50/60 Hz, with interrupting ratings of 42 kA at 635 V, 508 V, and 254 V, motor operator 110-125



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VAC/DC, auxiliary switches 6A / 6B, and nameplate reference to installation and operating instructions I.B. 2C12060. The response shall explicitly state lifecycle status, present OEM support path, technical suitability for continued exciter service, and recommended retrofit, renewal-parts, cradle-in-cradle, or replacement strategy.

1.1 About JPS

JPS is an integrated electric utility company, and the sole distributor of electricity in Jamaica. The Company is engaged in the generation, transmission and distribution of electricity, and also purchases power from a number of independent power producers (IPPs)

Marubeni Corporation of Japan and East West Power Company (EWP) of Korea, are majority shareholders, with joint ownership of eighty percent of the shares in JPS. The Government of Jamaica and a small group of minority shareholders own the remaining shares.

JPS serves approximately 585,000 residential, commercial and industrial customers, through a workforce of close of 1,500 employees and a network of offices throughout the island. The Company owns and operates 4 power stations, 8 hydroelectric plants, 1 Wind Park, 43 Substations, and approximately 14, 000 kilometers of distribution and transmission lines. The total installed generating capacity is 789 MW. The company owns 80%, or 621.0 MW of this capacity. The remaining 168 MW is owned by Independent Power Producers (IPP's). The company also manages and operates the transmission and distribution system.

Along with the provision of electricity, JPS is a key partner in national development. The Company has a vibrant corporate social responsibility portfolio and makes significant contributions in the areas of education, sports, and community development. The Company also has a strong environmental focus and carries out its operations in an environmentally friendly manner.

JPS has the following status with Jamaica Customs – Authorized Economic Operator (AEO). It is an internationally recognized quality mark which indicates that the JPS supply chain is secure, and that the JPS customs' procedures and policies are compliant. With this designation, JPS Warehouse and Procurement Teams are subject to audit and monitoring by Jamaica Customs.

The Office of Utilities Regulation (OUR) has regulatory authority over JPS' operations.



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2. Definitions

Bidder, Vendor or Contractor shall mean JPS qualified provider of goods and / or services acting in the role of the prime Contractor who responds with a proposal to this RFP.

Bid/ Proposal shall mean the Bidder's formal written response indicating committed price, delivery schedule and conformance to product specification

All references to JPS or Company shall mean the Jamaica Public Service Company Limited.

"The Purchaser" means the Organization purchasing the Goods, i.e. Jamaica Public Service Company limited

"The Supplier" means the individual or firm supplying the Goods under this Contract;

"The Contract" means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, including attachments and appendices thereto and all documents incorporated by reference therein.

"The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.

"The Goods" means all of the Fuse Cutout Switch which the Supplier is required to supply to the Purchaser under the Contract.

"Services" means services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as the taking of measurements, training and other such obligations of the Supplier covered under the Contract.

"Approved" means approved by the Purchaser or its delegated representatives; and

"Specified" means specified by the Purchaser; either on drawings, or in writing.

"Delivery" means delivered to JPS designated locations unless otherwise specified.



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"Days" means calendar days acceding to the Gregorian calendar.

"VCB" means Vacuum Circuit Breakers.

"CT" means Current Transformers.

"NGR" means Neutral Ground Resistor.

"ACB" means Air Circuit Breaker.

This document shall not be construed as a request for the authorization to perform work at JPS expense. Any work performed by the Bidder in connection with preparation and responding to the Request for Proposal (RFP) and, if selected, negotiating a definitive agreement will be at the Bidder's own discretion and expense. This RFP does not represent a commitment to enter into a contract.

JPS reserves the right to reject any and all proposal(s) at its sole and absolute discretion. Submission of a proposal constitutes acknowledgment that the Bidder has read and agrees to be bound by such terms and conditions as outlined in the Bid document.

3. General Instructions to Bidders

The Bidder is expected to examine all instructions, terms specifications in the Bidding Documents. Failure to furnish all information required by the Bidding Documents or submission of a bid not substantially responsive to the Bidding Documents in every respect will be at the Bidder's risk and may result in the rejection of its bid.

3.1 Points of Contact (POC)

All communications and questions with JPS regarding this RFP must be directed to the following Points of Contact (POC):

Name: **Mr. Kolonje McKenzie**

CC: Mr. Aldeen Morris

Address: Jamaica Public Service Company Ltd

113 Washington Boulevard

Kingston 20, Jamaica WI

Email: komckenzie@jpsco.com cc: apmorris@jpsco.com



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3.2 Communication Regarding the RFP

Unauthorized communications concerning this RFP with other Company employees, executives or Contractors may result in immediate disqualification.

All communication and questions should be submitted in writing, electronically to the POC. In order to ensure consistency in the information provided to Bidders, responses to questions received will be communicated to all participants, without revealing the source of the inquiries.

Only written responses will be considered official and binding. JPS reserves the right, at its sole discretion, to determine appropriate and adequate responses to questions and requests for clarification.

A Bidder contact should be provided for all questions and clarifications arising from the Proposal Queries should include:

- (a) Company's name, company address and phone number, contact person, email address, position.
- (b) References to specific points within this RFP using the Section number as reference
- (c) Clear and concise questions

3.3 RFP Amendment and Cancellation

At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by amendment.

The amendment will be done in writing to all prospective Bidders who have received the Bidding Documents, and will be binding on them.

In order to afford prospective Bidders reasonable time in which to take the amendment into account in preparing their bids, the Purchaser may, at its discretion, extend the deadline for the submission of bids.

JPS reserves the unilateral right to cancel or reissue the RFP at its sole discretion. Bidders will respond to the final written RFP and any exhibits, attachments and amendments.



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3.4 Confidentiality of Data

The Bidder should recognize that JPS operates in a sensitive business environment and, for that reason the Bidder must treat the materials and data provided by JPS as confidential. The successful Bidder may be required to agree to and execute the confidentiality agreement.

3.5 Written Clarification

JPS reserves the right, at its sole discretion, to request clarifications of any Proposal or to conduct discussions for the purpose of clarification with any or all vendors. The purpose of any such discussions will be to ensure full understanding of the proposal.

Discussions will be limited to specific sections of the proposal identified by JPS and, if held, will be after initial evaluation of the Proposal. If clarifications are made as a result of such discussion, the vendor will submit such clarifications electronically.

Refusal to respond to JPS request for clarifications may be considered non-responsive and be used as grounds for rejection of the Proposal.

3.6 Oral Clarification

If requested, the vendor will make an oral presentation to the Proposal Evaluation Team and other designated Company representatives. All expenses for the presentation will be borne by the vendor.

3.7 Site Visit

Vendors shall attend a site visit at Rockfort Diesel Power Station as part of the RFP process. The purpose of the visit is to support a comprehensive, technically defensible response grounded in actual field conditions rather than assumptions drawn solely from legacy drawings, photographs, or partial records.

The site visit shall enable vendors to assess, at minimum:

- existing switchgear geometry and access constraints;
- breaker removal and replacement paths;
- bus bar arrangement and interface limitations;
- available space constraints affecting breaker replacement work in generator breaker and auxiliary transformer cells;
- lifting, rigging, staging, and work-front constraints associated with the barge-mounted plant; and
- the extent of any as-found deviation from legacy documentation.



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Three-dimensional (3D) laser scanning or an equivalent spatial-capture method is strongly preferred, covering the affected switchgear cells, breaker compartments, bus compartments, retained CT interfaces, and auxiliary transformer breaker locations.

The vendor shall submit:

- site visit observations summary, including identified constraints, assumptions, and required clarifications;
- as-found dimensional report;
- as-built reconciliation methodology;
- 3D model or equivalent field-capture output;
- interference review;
- final installation drawings; and
- fabrication release hold points pending JPS review.

Because the installed equipment is legacy brownfield infrastructure, all vendors shall include a field-verification plan sufficient to reconcile original drawings, historical modifications, and present as-found conditions.

3.8 Proposal Shall Address

Vendors shall provide detailed responses to the following:

1. Your solution being propose (a roll-in replacement, retrofill, or full unit replacement).
2. Your proposal shall state the portions of the original Meidensha structure to remain in service.
3. For the generator breaker application, how does your proposed breaker satisfy generator-source fault duty requirements?
4. Proposed breaker should be rated to IEEE C37.013. If not, provide the engineering basis for suitability.
5. For the installed Terasaki AH-25C 480 V ACB, your recommended shall state the replacement or retrofit path, how the proposed device matches or exceed the installed nameplate duty and control/interface requirements.
6. For the installed Eaton / Cutler-Hammer Magnum DS exciter breaker (type MDS408), your recommendation shall state the lifecycle classification assign, OEM manual and support path apply, and your recommended retain / refurbish / replace strategy for dependable exciter service.



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7. Your proposal shall state how you guarantee dielectric integrity after modifying bus work, barriers, or primary conductors in the vicinity of retained CT circuits.
8. Your proposal shall state the strategy for ensuring CT polarity and phasing match the existing legacy relay settings.
9. Detail your experience with Meidensha interlocking logic (mechanical vs. electrical).
10. For this barge-mounted plant, describe the physical removal and installation strategy within the constrained footprint.
11. If proposing full switchgear replacement, explain exactly how the existing bus bar infrastructure will be retained, protected, or adapted.
12. State all assumptions regarding rigging, transport splits, marine access, and temporary access platforms, if any.
13. Identify what information could only be confirmed during the site visit and explain how those observations influenced your proposed solution.
14. Confirm whether your detailed cost proposal includes separate pricing for retrofit, retrofill, and full replacement options, where applicable.
15. Identify all commercial assumptions, exclusions, and site-dependent cost risks embedded in your proposal.

4. Scope of RFP

The Purchaser requests detailed vendor information for the engineering, supply, integration, installation support, testing, and commissioning of replacement MV VCB solutions for the existing Meidensha lineup serving RF1 and RF2 and associated critical feeders, together with a technically supportable path for the installed low-voltage auxiliary transformer air circuit breaker (ACB) application.

The request shall address, at minimum, the following:

- mandatory site visit requirement to support a comprehensive and technically defensible RFI response
- replacement philosophy:
 - **Roll-in replacement**
 - **Retrofill / retrofitted breaker element with cradle, truck, or compartment modifications**
 - **Full unit replacement** using new switchgear sections while maintaining the current bus bar infrastructure to the greatest extent practicable
- compatibility with legacy cell dimensions, shutters, primary disconnects, racking arrangements, and mechanical/electrical interlocks
- retention of existing protection relays and close/trip monitoring circuits



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- existing CT retention, protection, polarity/phasing verification, and secondary-circuit preservation methodology for generator breaker and auxiliary transformer cells
- installed LV auxiliary-transformer ACB identification, lifecycle status, technical equivalence, and replacement strategy based on the existing Terasaki AH-25C breaker
- installed NGR breaker identification, nameplate-basis verification, lifecycle status, technical equivalence, and replacement strategy based on the attached VFT-22 legacy data
- installed exciter breaker identification, lifecycle status, official manual traceability, technical equivalence, and replacement strategy
- field verification methodology, preferably including three-dimensional capture
- outage planning and execution in a live-bus brownfield environment
- barge-specific constructability, lifting, access, shipping split, and footprint constraints
- testing, commissioning, and energization support
- long-term supportability, spare parts, and obsolescence strategy
- detailed cost proposal covering engineering, equipment supply, retrofit or replacement execution, testing, commissioning, optional works, and identified assumptions or exclusions

4.1 Existing System Context

The installed switchgear comprises legacy Meidensha medium-voltage metal-clad / metal-enclosed vacuum switchgear of approximately 1984 vintage. Based on available legacy documentation and field images, the existing fleet includes breaker applications with the following general characteristics:

- System voltage: (13.8kV)
- Short-circuit duty: 25 (kA)
- Continuous current: (1046A)
- Control voltage: existing legacy scheme to remain in service unless specifically approved otherwise
- Generator breaker application with higher asymmetrical duty and delayed current zero characteristics relative to standard distribution feeder duty

The installed configuration shall be treated as **brownfield legacy infrastructure**. Vendors shall not assume that original drawings fully reflect present field conditions. A mandatory site visit is required of all vendors intending to submit a comprehensive response to this RFI. All retrofit concepts shall accordingly include a rigorous field-verification and dimensional-reconciliation process prior to final design release.



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4.2 Project-Specific Physical Constraints

The plant is barge-mounted. Conventional greenfield assumptions do not apply.

Vendors shall explicitly identify:

- required footprint relative to available plant space;
- lifting and rigging assumptions for barge-mounted installation conditions;
- access limitations for removal and installation;
- shipping splits, module sizes, and field assembly requirements;
- temporary works needed to execute the replacement safely; and
- effects on adjacent live equipment, access routes, and operational continuity.

Responses that assume wholesale spatial expansion, unrestricted equipment movement, or major rearrangement of bus infrastructure without clear justification will not be viewed as responsive.

4.3 Execution and Outage Management

The Owner requires a detailed outage-minimization execution plan suited to a live-bus industrial environment with restricted outage windows and limited tolerance for emergent scope growth.

The execution plan shall address:

- what work can be completed pre-outage;
- what work is outage-critical;
- whether existing switchgear sections remain in place, are modified in situ, or are fully removed and replaced;
- how the current bus bar infrastructure will be protected, retained, adapted, or re-terminated;
- barge access and logistical constraints;
- equipment removal and installation paths within the available footprint;
- temporary barriers, temporary works, and safety segregation;
- contingency / rollback plan if as-found conditions differ materially from drawings.



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5. Bid Format

The bid shall be prepared in two (2) parts, Financial and Technical. The Technical profile, should not contain any pricing information. The financial proposal shall be separate and contain price information. All upload should be in the Format, PDF, Work, or Excel. (**No Zip/RAR File should be uploaded**).

The proposals must include the following in the prescribed order:

A. Financial Profile

General Information Sheet

- (a) Evidence of establishment, type of organization, size, and professional affiliate
- (b) Executive Summary indicating why your firm should be chosen to provide the goods or services for JPS
- (c) Qualification and experience of your staff that will provide the goods/service described in the Scope of Requirements
- (d) Provide the names and profiles of the top 3 executives
- (e) Audited Financial Statements for the last 2 years
- (f) The financial proposal shall consist of cost estimates along with a payment schedule.

The detailed cost proposal shall, at minimum, be broken down into the following categories:

- a. Engineering and design;
- b. Breaker supply;
- c. Existing CT protection, temporary shorting, tagging, and verification materials and labor;
- d. Switchgear modifications or replacement unit supply, as applicable;
- e. Secondary interface materials and wiring adaptation;
- f. Installation and field labor;
- g. Testing and commissioning;
- h. Optional items;
- i. Recommended spare parts;
- j. Freight, logistics, rigging, and special access requirements;
- k. Taxes, duties, and other commercial assumptions, where applicable; and
- l. Exclusions.



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Where multiple solution pathways are proposed, the vendor shall provide separate pricing for each pathway so that the Purchaser can evaluate the relative cost and execution impact of:

1. retaining and retrofitting the existing switchgear; and
2. removing the existing units and replacing them with new units while maintaining the existing bus bar infrastructure.

B. Technical Proposal

To facilitate review, vendors shall organize responses as follows:

1. Executive summary
2. site visit observations summary
3. Proposed technical solution
4. Breaker ratings and standards compliance
5. Preliminary bill of materials
6. Generator breaker suitability statement
7. Existing CT retention and verification methodology
8. CT retention drawings, circuit preservation method statements, and verification data;
9. Secondary interface and protection compatibility
10. Site verification methodology
11. Outage execution plan
12. Reference projects of similar age / legacy switchgear;
13. LV ACB retrofit or replacement equipment and section modification strategy
14. Exciter breaker lifecycle assessment, OEM manual reference, and retain / refurbish / replacement recommendation
15. Deviations / assumptions / exclusions
16. Preliminary schedule
17. Long-term supportability overview
18. FAT / SAT plan;
19. Recommended spare parts list



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5.1 Bid Prices

The Bidder shall indicate the unit prices and total Bid Prices of the goods and services it proposes to supply under the Contract:

Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract.

If prices are subject to an adjustment clause, kindly state:

1. The variables that will affect the price
2. The reference index that will govern movement of prices and
3. The base price indexes

5.2 Proposal Withdrawal

The Bidder may modify or withdraw its proposal after the proposal's submission, provided that written notice of the modification or withdrawal is received by the

Purchaser prior to the deadline prescribed for submission of proposals. To withdraw a proposal, the Bidder must submit a written request electronically or signed document by an authorized representative to JPS before the deadline for submitting proposals. After withdrawing a previously submitted proposal, the Bidder may submit another proposal at any time up to the deadline for submitting proposals.

5.3 Cost of Proposal Preparation

The Bidder shall bear all costs associated with the preparation and submission of its bid, and the JPS will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

5.4 Bidder's Eligibility and Qualifications

(a) In the case of a Bidder offering to supply goods under the Contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods' manufacturer or producer to supply the goods in the Purchaser's county.

(b) The Bidder is to confirm the financial, technical and production capability necessary to perform on the Contract.



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5.5 Period of Validity of Bids

Bids shall remain valid for One Hundred and Twenty (120) days, after the date of bid opening prescribed by the Purchaser. A bid valid for a shorter period may be rejected by the Purchaser as non-responsive.

6. Submission of Bids and Selection Criteria

All responses must be in English Language Your bid response must be presented in two (2) separate Files Folders, namely Financial/Costing and Technical Specifications. The deadline for submission of bids is **Eastern Standard Time 11:59pm on Thursday July 9, 2026.**

RFP CALENDAR		
ACTIVITY	DUE DATE	RESPONSIBILITY
RFP date	May 29, 2026	JPS
Site Visit	June 10, 2026 @9PM	Bidder/JPS
Bidder submits questions on RFP	June 16, 2026	Bidder
Final date to respond to all queries	June 22, 2026	JPS
Bidder Provide intension to Bid	June 25, 2026	Bidder
Completion of RFP and deadline for submission of bids to JPS	July 9, 2026	Bidder
Bid Opening	July 10, 2026	JPS



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The Company may, at its discretion, extend this deadline for the submission of bids, in which case all rights and obligations of the Company and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended. The dates are subject to change on the RFP Calendar.

6.1 Late Bids

Any bid received by the Company after the deadline for submission of bids prescribed by the Company will be rejected.

6.2 All proposals shall be submitted as follows:

6.2.1 Only Electronic submissions will be accepted, using ShareFile by Citrix. All uploads will be confidential. Additional information on this software can be accessed by clicking the links below:

6.2.2 Activities are guided by the dates stated in the Calendar of Events highlighted in Table Above. Observing these dates,

1. Section 2.1 provides Instructions to submit questions via email only
2. A combined response to questions will be shared with all bidders
3. Respondents must confirm their intention to bid in order to be setup in JPS Share-File folder
4. Access to individual vendor folders will be given 1 week before the bid closes to eliminate any issues for bid upload by RFP deadline.
5. Files must be accurately labelled/named. Commercial Information must be a separate file from your Technical Overview.
6. ShareFile Access will be removed when the bid closes

6.3 Proposal Rejection

Any bid received after the deadline for submission of bids prescribed by the Company will be rejected. Any proposal received that does not meet the requirements of this RFP may be considered to be non-responsive, and the proposal may be rejected.

Bidders must comply with all of the terms of this RFP. JPS may reject any proposal as being non-responsive that does not comply with the terms, conditions and characteristics of this RFP or the key criteria for selection.



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JPS reserves the right, at its sole discretion, to reject any and all proposals or to cancel this RFP in its entirety, and to accept a proposal other than the lowest price or proposal presented outside of this RFP that meets the company's requirement.

JPS assumes no responsibility for delays caused by any mail/bearer delivery service.

7. Selection Process and Award Criteria

JPS will evaluate proposals using an internal scoring method that weighs various parameters to give the evaluation team insight into the strengths of each proposal relative to JPS needs. JPS internal scoring method values the following proposal attributes (order of presentation here does not reflect priority)

TECHNICAL EVALUATION

CRITERIA	Score
Compliance to JPS specification	Pass/Fail

COMMERCIAL EVALUATION

CRITERIA	Score (%)
Price	90
Terms of payment	5
Delivery / Lead Time	5
Total	100

7.1 Opening of Bids by Purchaser

The Purchaser will open bids privately, on **Friday July 10, 2026**. At the following location:

Jamaica Public Service Company Limited
113 Washington Boulevard
Kingston 20



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Jamaica, W.I.

7.2 Schedule

For purposes of responding to this RFP, Bidders should assume that JPS' procurement and implementation planning will be completed by **November 2026**.

7.3 Clarification of Bids

To assist in the examination, evaluation and comparison of bids the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in the price or substance of the bid shall be sought, offered or permitted, except as required to confirm the correction of arithmetic errors.

7.4 Preliminary Examination

The Purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

Arithmetical errors will be rectified on the following basis:

1. If there is a discrepancy between the unit price and the total price, the unit price shall prevail;
2. If there is a discrepancy between words and figures, the amount in words shall prevail;
3. If the supplier does not accept the correction of errors, its bid shall be rejected.

Prior to the detailed evaluation, the Purchaser will determine the substantial responsibilities of each bid to the Bidding Documents. For purposes of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the Bidding documents without material deviations or reservations. A material deviation or reservation is one which affects in any substantial way the scope, quality or performance of the contractual obligations or which limits in any substantial way or inconsistent with the bidding documents and the rectification of which deviation or reservation would affect unfairly the competitive position of other bidders presenting substantially responsive bids. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

A bid determined as not substantially responsive will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the non-conformity.



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The Purchaser may waive any minor informality or non-conformity or irregularity in a bid, which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.

Bid inconsistencies: Any deviation in a bidder's proposal that are inconsistent with the provisions of this Bid, unless expressly described in the proposal as being exceptions or alternates, are deemed waived by the Bidder. In the event that the Contract is awarded to the bidder, any claim of inconsistency between the proposal and this Bid will be resolved in favor of this bid unless otherwise agreed in writing.

7.5 Bid Currency:

Prices quoted by the bidder and further negotiated and agreed between the bidder and JPS shall be fixed during the bidder's performance of the contract and not subject to variations on any account.

International Supplier

- Prices should be quoted in USD.

Local Supplier

- Prices should be quoted in JMD

8. Award of Contract

8.1 Award or Rejection

The Purchaser will award the contract to the successful Bidder(s) whose bid has been determined to be substantially responsive. The Purchaser reserves the right not to accept the lowest bid if it does not meet JPS requirement.

Issuance of this bid does not constitute a commitment by JPS to award any contract or purchase products or services offered in response to this bid.

8.2 Purchaser's Right to Accept Any Bid and to Reject Any or All Bids

The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the



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affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the Purchaser's action.

8.3 Notification of Award

Prior to the expiration of the period of bid validity, the Purchaser will notify the successful Bidder in writing by email or fax, that its bid has been accepted. Upon the successful Bidder's signing a contract with JPS for the subject RFP, the Purchaser will promptly notify each unsuccessful Bidder.

9. General Conditions of Contract

These General Conditions shall apply to the extent that provisions in other parts of the Contract do not supersede them.

9.1 Standards

All product shall conform to the latest editions of all relevant ANSI standards. Where equipment, components or materials are not covered by appropriate ANSI standards, relevant IEE, NEMA, ASTM, AISC and AWS shall apply. If equipment or materials conforming to other recognized national standards are offered, the bidder shall submit a copy, in English, of the standard offered and shall itemize the pertinent areas where the standard differs from the requirements of the relevant ANSI standard.

The supplier shall comply with JPSCo's Health, Safety, Security and Environment Regulation and any other local and or international regulations regarding the safe handling, transport, use and disposal of the material covered by this contract.

The supplier agrees to provide at no cost to JPSCo periodic testing of in-service materials. The frequency of testing shall be mutually agreed upon by JPSCo and the supplier.

9.2 Use of Contract Document and Information

The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, of any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.



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The Supplier shall not, without the Purchaser's prior written consent, make use of any document or information enumerated in the above paragraph except for purposes of performing the Contract.

Any document, other than the Contract itself, as enumerated above shall remain the property of the purchaser and shall be returned (in all copies) to the Purchaser on completion of the supplier's performance under the Contract if so required by the purchaser.

9.3 Proprietary Content:

JPS understands that certain elements of the Bidder's proposal may contain information, including pricing, that is competitively sensitive. JPS acknowledges that all information furnished in the proposals will be for the exclusive use of JPS, in evaluating and selecting a Supplier for goods or services, and that all parties will respect the sensitive nature of that information in accordance with sound commercial practices.

9.4 Inspection and Tests

The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract.

The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery and/or at the Good's final destination. Where conducted on the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance - including access to drawings and production data - shall be furnished to the inspectors at no charge to the Purchaser.

Should any inspected or tested Goods fail to conform to the Specifications, the Purchaser may reject them and the Supplier shall either replace the rejected Goods or make all alterations necessary to meet the specification requirements free of cost to the Purchaser.

The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Good's arrival in the Purchaser's country shall in no way be limited or waived by reason of the Goods having been previously inspected, tested and passed by the Purchaser or its representative prior to the Goods' shipment from the country of origin.

9.5 Prices

Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not, with the exception of any price adjustments authorized and agreed on by Supplier and Purchaser, vary from the prices quoted by the Supplier in its bid.



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9.6 Delivery and Shipment

a) Local suppliers

It is the responsibility of the Seller to obtain at their expense:

- all licenses
- customs formalities
- transport associated with the delivery of the goods to JPS

The Seller shall bear all risks of loss of or damage to the goods until such time as they have been delivered to JPS.

The Seller must provide the goods, the payment invoice and delivery slip in conformity with the contract and any other evidence of conformity; (example test certificates,) which may be required by the contract.

b) Overseas suppliers

The Supplier shall be entirely responsible for all taxes, duties, license fees, port charges and other such levies imposed by the country of origin. Goods will be delivered FOB Miami JPS Freight Forwarder/ FOB Shipping Point/ CIF Kingston Jamaica in accordance with Incoterms 2020.

9.7 Payment

a) Overseas suppliers

Payment shall be effected within 60 days of receipt and acceptance of the product by JPS.

The preferred payment term for JPS to its Supplier is through open account, net 60 days. Should the supplier not opt to have payment made via open account, a 5% charge will be added to the bidders' payment proposal in the evaluation process.

b) Local suppliers

Payment shall be effected within 30 days of receipt and acceptance of the product by JPS.

The preferred payment term for JPS to its Supplier is through open account, net 30 days. Should the supplier not opt to have payment made via open account, a 5% charge will be added to the bidders' payment proposal in the evaluation process.



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9.8 Warranty

Proposal must carry: OEM approval, Manufacturer's warranty and Independent accreditation. The Supplier warrants that the items supplied under the Contract conform to the Manufacturer's written specifications and comply with the products' performance claims.

This warranty shall remain valid for the duration of the contract.

The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty.

Upon receipt of such notice, the Supplier shall, depending on which of the methods can be achieved more expeditiously with reasonable speed,

- Replace without costs to the Purchaser and under the terms and conditions as if the replacement goods were being delivered to the Company for the first time; or, refund the purchase price of any products not conforming to this warranty
- Pay to repair damage to equipment to the extent that the damage is caused by the failure of the product to conform to specifications or comply with product performance claims

If the Supplier, having been notified, fails to remedy the defect(s) within a reasonable period, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

9.9 Contract Amendments

No variation in or modification of the terms of the Contract shall be made except by written amendment signed by the duly authorized agents of both parties.

9.10 Assignment

The Supplier shall not assign, in whole or part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.

9.11 Subcontracts

The supplier shall notify the purchaser in writing of all subcontracts awarded under the



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Contract if not already specified in his bid. Such notification, in his original bid or later, shall not relieve the supplier from any liability or obligation under the Contract with the Purchaser.

9.12 Delays in the Supplier's Performance

If at any time during the performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract, or terminate the Contract for default.

9.13 Liquidated Damages

If the supplier fails to deliver the goods in accordance with the agreed delivery schedule, the purchaser shall without prejudice, to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to two and one half percent (2.5%) of the delivered price of the delayed goods for each month of delay until actual delivery up to a maximum deduction of fifteen percent (15%) of the delayed goods contract price. Once the maximum is reached, the purchaser may consider termination of the contract.

9.14 Termination for Default

The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or in part:

(a) If the Supplier fails to deliver any or all of the Goods within the time period(s) specified in the Contract, or any extension thereof granted by the Purchaser.

(b) If the supplier fails to perform any other obligation(s) under the Contract.

In the event the Purchaser terminates the Contract in whole or in part. The Purchaser may procure, upon such terms and in such manner, as it deems appropriate, Goods similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods. However, the Supplier shall continue performance of the Contract to the extent not terminated.



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9.15 Force Majeure

The Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, the delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

For the purposes of this clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, hurricanes, epidemics, quarantine restrictions and freight embargoes.

If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

9.16 Termination for Insolvency

The Purchaser may at any time terminate the Contract by giving written notice to the Supplier, without compensation to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.

9.17 Termination for Convenience

The Purchaser, may by written notice sent to the Supplier, terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of work under the Contract is terminated, and the date upon which such termination becomes effective.

The Goods that are complete and ready for shipment within 30 days after the Supplier's receipt of notice of termination shall be purchased by the Purchaser at the Contract terms and prices. For the remaining goods, the Purchaser may elect:

- (a) To have any portion completed and delivered at the Contract terms and prices; and/or



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(b) To cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and for materials and parts previously procured by the Supplier.

9.18 Data Protection and Privacy

In the event that the Supplier processes any personal data under the control and custody of the Purchaser in the performance of the Contract, the Supplier shall comply with all laws relating to data privacy, the protection and transfer of personal data, including, without limitation, the Charter of Fundamental Rights and Freedoms (Constitutional Amendment) Act, 2011, the Data Protection Act, 2020 ("DPA") and subsidiary legislation and any other applicable law. For the purposes of this section, "personal data" and "process(ing)" shall have the meanings prescribed in the DPA. The Supplier shall not transfer the personal data to any third party without the prior written consent of the Purchaser. The Supplier shall implement appropriate administrative and technical measures to safeguard the Purchasers' personal data. Furthermore, the Supplier shall indemnify and hold the Purchaser harmless against any third-party claims, legal actions, or damages arising from any breach of the DPA or this Contract by the Supplier, its employees, agents or subcontractors.

9.19 Governing Language

The Contract shall be written in the language of the bid, English. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in that same language.

9.20 Applicable Law

The Contract shall be interpreted in accordance with the laws of the Purchaser's country.

9.21 Resolution of Disputes:

The dispute resolution mechanism to be applied shall be as follows:

- (a) In the case of a dispute between the Purchaser and a Supplier which is a national of the purchaser's country, the dispute shall be referred to adjudication/arbitration in accordance with the laws of the Purchaser's country; and
- (b) In the case of a dispute between the Purchaser and a foreign Supplier, the dispute shall be settled by arbitration in accordance with the provisions of the UNCITRAL Arbitration Rules.

There shall be one Arbitrator.



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9.22 Specifications

Notwithstanding the attached information, all drawings and technical literature detailing the description of the product and services being offered must accompany the Bid (MSDS, LM 79, LM 80, etc.) and be included with the technical proposal.



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APPENDIX 1

REQUEST FOR PROPOSAL (RFP)

**Service-Continuity Upgrade for Legacy Meidensha Medium-Voltage Vacuum Circuit
Breakers**

RFP # 1065054

GENERAL INFORMATION

Name of Organization: _____

Address: _____

Key Contact: _____

Title: _____

Telephone Numbers: _____

Email Address: _____



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Company Profile

Please submit the requested information below:

- Directors names and profiles
- Company references
- Complete set of audited financial statements for the last two (2) years
- Average employee tenure
- Staff turnover ratio
- Names of top 5 executives, their tenure, experience, qualifications etc.
- Three (3) top achievements of the company in the last 5 years
- Companies must state 5 reasons for JPS to consider Partnering/Selecting them (your company) for this RFP
- Organizational structure for the top five levels in your organization.
- Please provide a short profile such as name, title, experience and education level for the personnel at the top five levels within the organization
- How long has your company been in business?
- How many people do you employ?
- Does your company currently have a Risk Management or Business Continuity Programme in place?
 - If yes, please provide details of the programme you have in place
- Three (3) Customer references (for similar purchases)



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APPENDIX 2

SERVICE LEVEL STANDARDS

Supplier:

- Supplier to ensure deliveries are made within the requested time frame
- Supplier to deliver goods based on the agreement with JPS.
- With each delivery, the supplier will invoice JPS for quantities delivered. An invoice will be submitted to JPS for that amount accompanied by packing slips.
- At the onset of the first delivery, vendors are to supply the Safety Data Sheet (SDS) for the products any hazardous or explosive accompanying shipment.
- Packaging must be able to withstand the rigors of ocean shipment and exposure to outdoor storage.

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- JPS to receive goods same day of delivery, with immediate advise of any shortages or damage or defects
- JPS to ensure payments are made within agreed time frame, or advise of delays in arrangement if required



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APPENDIX 3

TECHNICAL REQUIREMENT

1. Technical Requirements - Circuit Breakers (Including Auxiliary Transformer MV and LV Applications)

1.1 General

The proposed replacement breaker solution shall be suitable for the installed switchgear application at Rockfort Diesel Power Station and shall be designed for long-term maintainability, repeatability across the RF1 and RF2 fleet where practicable, and safe operation within the existing switchgear lineup. The scope under this heading includes generator breaker applications, Neutral Ground Resistor (NGR) breaker applications, the auxiliary transformer feeder VCB applications associated with the RF1 and RF2 unit auxiliary transformers, and the installed 480 V low-voltage auxiliary transformer air circuit breaker application.

The vendor shall clearly state whether the proposed solution is:

1. **Roll-In Replacement**

A replacement breaker truck designed to interface with the existing cubicle and primary/secondary disconnect system with minimal cell modification.

2. **Retrofill / Retrofitted Breaker with Cradle Modification**

A replacement system requiring partial reconstruction of the cell, truck rails, shutters, primary disconnects, secondary disconnects, or compartment hardware.

3. **Full Unit Replacement**

Removal of the existing switchgear unit and installation of a new unit while maintaining the current bus bar infrastructure to the greatest extent practicable.

The vendor shall clearly identify what must actually be cut, drilled, moved, rebuilt, insulated, or re-terminated.

1.2 Required Vendor Information

For each proposed breaker option, vendors shall provide:

- manufacturer and model;
- rated maximum voltage: ([kV]);
- rated insulation level, including power-frequency withstand and lightning impulse withstand / BIL;
- rated continuous current: ([A]);
- rated short-circuit interrupting current: ([kA]);
- rated momentary / close-and-latch capability;
- rated operating duty cycle;
- rated control voltage(s);



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- mechanical endurance classification, including confirmation of **M2 class** or equivalent;
- electrical endurance class; and
- applicable standards.

1.3 Generator Breaker Requirement

For any breaker serving as a generator circuit breaker, the proposed equipment shall be demonstrated as suitable for generator-source duty and not merely standard distribution duty.

The vendor shall explicitly state whether the proposed breaker is designed and rated in accordance with **IEEE C37.013** for generator circuit breakers. If not, the vendor shall provide a detailed engineering justification demonstrating suitability for the specific generator duty, including high (X/R) conditions, delayed current zero-crossing effects, asymmetrical interrupting duty, and Transient Recovery Voltage (TRV) capability.

The vendor shall identify all assumptions used in breaker duty evaluation. The asymmetrical fault current relationship to be considered is of the form:

$$i(t) = \sqrt{2}I\sin(\omega t + \phi) + I_{dc}e^{-t/\tau}$$

Where a non-IEEE C37.013 breaker is proposed for generator service, the burden of proof rests fully with the vendor.

1.4 Auxiliary Transformer VCB Requirement

For auxiliary transformer feeder applications, the proposed breaker solution shall be demonstrated as suitable for 13.8 kV feeder duty associated with the RF1 and RF2 auxiliary transformers. The vendor shall confirm compatibility of the proposed VCB with the installed and replacement auxiliary transformer characteristics, including transformer kVA, voltage ratio, vector group, impedance, BIL/insulation level, full-load current, tap range, and any inrush or through-fault duty implications relevant to breaker selection and coordination.

RF1 auxiliary transformer data (existing unit): 2000 kVA, 13.8 kV / 480 V, 50 Hz, LNaN, IEC 76-1976, vector group Dyn11, impedance 6.27% at 75 C, HV current 83.7 A, LV current 2410 A, insulation level LI 110 kV with AC withstand 34 kV (HV) and AC 3 kV (LV), tap range 14.49 kV / 14.15 kV / 13.8 kV / 13.46 kV / 13.11 kV.

RF2 auxiliary transformer data (replacement unit): 2000 kVA, 13.8 kV / 480 V, 50 Hz, ONAN, IEC 60076, vector group Dyn11, impedance 5.93% at 75 C, HV current 83.7 A, LV current 2405.6 A, BIL 110 kV (HV) / 30 kV (LV), tap range 14.49 kV / 14.145 kV / 13.8 kV / 13.455 kV / 13.11 kV.



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The vendor shall identify any deviations between the original 1984 RF1 auxiliary transformer data and the replacement RF2 auxiliary transformer data, and shall state whether such differences affect primary disconnect geometry, insulation clearances, cable termination space, protection settings, or breaker duty assumptions.

1.5 NGR VCB Requirement

For the installed Neutral Ground Resistor (NGR) breaker application, the vendor shall provide a dedicated technical response addressing suitability of the proposed replacement VCB for NGR switching duty, compatibility with the existing Meidensha cell geometry and interlocking arrangement, and preservation of the existing protection and control philosophy. Vendors shall not treat the NGR breaker as a generic feeder breaker; duty suitability for the installed application shall be explicitly demonstrated.

Installed legacy data visible from the attached breaker data sheet to be addressed in the response: type VFT-22; rated voltage 24 kV; rated insulation level 125 kV lightning impulse withstand and 60 kV power-frequency withstand; rated frequency 50/60 Hz; rated breaking current 25 kA; rated breaking time 5 cycles; rated TRV rate of rise 0.47 kV/us; TRV peak value 41 kV; rated making current 63 kA; rated short-time current 25 kA for 3 s; rated opening time 0.05 s; making time without load 0.1 s; rated operating duty O - 3 min - CO - 3 min - CO; rated control voltage (motor) DC 110 V; rated operating voltage DC 110 V; rated tripping voltage DC 110 V; standard JEC-Pub.56; indoor type.

The attached legacy data sheet shows continuous-current variants of 630 A, 800 A, and 1250 A for the VFT-22 family. Because the supplied image does not conclusively identify which of those continuous-current ratings applies to the installed NGR breaker, the vendor shall verify and state the exact installed continuous-current rating from the complete nameplate, certified drawings, or controlled field inspection, and shall identify any consequence this has for replacement selection, bus fit, primary disconnect geometry, thermal performance, and control wiring.

The vendor shall specifically address: OEM lifecycle status; present support channel for parts and service; applicable replacement or retrofit family; control-voltage compatibility with the existing DC 110 V scheme; secondary disconnect mapping; mechanical and electrical interlock compatibility; shutter and truck interface compatibility; and any required modification to the existing cubicle, primary disconnects, bus insulation system, or cable terminations.

Any proposed NGR breaker solution shall demonstrate capability equal to or better than the installed dielectric and interrupting basis and shall identify whether the proposed device is a roll-in replacement, retrofit with cradle modification, or full unit replacement. The response shall also state whether the proposed breaker's TRV capability, operating duty, short-time withstand, and control-power requirements are fully compatible with the installed NGR application.



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1.6 Existing LV 480 V Auxiliary Transformer ACB Requirement

The installed low-voltage auxiliary transformer breaker shall be treated as a legacy Terasaki Electric Co., Ltd. air circuit breaker requiring an explicit obsolescence and replacement strategy within the vendor response. Based on the available nameplate information, the installed breaker is identified as Terasaki Electric Co., Ltd. type AH-25C, serial number 103-3, dated 1984-10.

Installed nameplate data to be addressed in the response: rated current 2500 A; frequency 50-60 Hz; standard JIS C 8372; interrupting capability 42 kA at 550 V, 50 kA at 460 V, and 65 kA at 220 V; short-time withstand current 50 kA for 1 s.

The vendor shall identify: OEM lifecycle status; present support channel for parts and service; recommended replacement family; control voltage compatibility; trip unit migration approach; auxiliary switch and interlock mapping; and any required modification to the existing cubicle, drawout frame, shutters, bus, or cable terminations.

The vendor shall evaluate and state whether the preferred solution for this installed LV breaker is continued service with refurbishment, cradle-in-cradle replacement, retrofit, or complete LV section replacement. Any proposed solution shall demonstrate duty capability equal to or better than the installed breaker nameplate and the actual application duty.

1.7 Existing Exciter Circuit Breaker Requirement

The installed exciter breaker shall be treated as a legacy Eaton / Cutler-Hammer Magnum DS low-voltage AC power circuit breaker unless the vendor demonstrates otherwise from field verification. Because the installed device serves exciter supply duty, the response shall address not only interrupting capability but also operational reliability, control-power compatibility, accessory supportability, and maintainability in a brownfield plant environment.

Installed nameplate data to be addressed in the response: Eaton / Cutler-Hammer Magnum DS; type MDS408; low-voltage AC power circuit breaker; 800 A frame; 3 pole; 50/60 Hz; interrupting ratings 42,000 A at 635 V, 508 V, and 254 V; accessories shown: motor operator 110-125 VAC/DC, auxiliary switches 6A / 6B; G.O.# RC29316; trip unit / catalog reference MDS4083WEA; installation and operating instructions reference I.B. 2C12060; Made in USA.

For the installed exciter breaker, the response shall include: lifecycle classification (Active, Legacy, or Obsolete / End-of-Life); OEM support channel; official installation, operation, and maintenance manual reference; present spare-parts availability; continued-operation risk assessment; and recommended path forward for this specific application.



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If a retrofit or replacement option is proposed, the vendor shall state the exact hardware basis, required cell or cassette modifications, secondary control interface impacts, and any changes required to maintain exciter operational reliability and maintainability.

1.8 Technical Requirements - Existing CT Retention and Verification

The existing CTs, which are not bushing-type units, shall remain in service. The proposed solution shall therefore preserve the installed protection-class and metering-class CT arrangement, protect the CTs and their secondary wiring during execution, and demonstrate that breaker replacement or retrofit work does not compromise CT polarity, phasing, ratio application, burden, insulation integrity, or relay performance.

The vendor shall provide:

- detailed methodology for protecting the existing CTs and CT secondary circuits during removal, retrofit, drilling, bus work, and recommissioning activities;
- existing-to-final CT polarity and phasing verification procedure;
- burden review demonstrating compatibility with retained relays and metering circuits;
- inspection, insulation, continuity, and functional test plan for CT secondary circuits;
- terminal, marshalling, and shorting-link management philosophy during construction; and
- drawings and method statements showing how the existing CT arrangement remains protected, identifiable, and electrically correct through final energization.

The vendor shall also define how dielectric integrity will be preserved and validated after any bus, primary conductor, barrier, or insulation modification undertaken in the vicinity of the retained CT circuits.

1.9 Interface and Migration Requirements

The existing protection relays shall remain in service unless otherwise approved in writing by the Purchaser. The vendor shall therefore ensure that the new breaker secondary interface is fully compatible with the existing protection, annunciation, trip/close circuits, and circuit supervision philosophy.

The vendor shall describe how the legacy Meidensha secondary disconnect arrangement will be mapped to the modern breaker without requiring replacement of the existing protection suite.

The response shall include:

- secondary disconnect mapping matrix;
- point-to-point wiring philosophy;
- conversion harness or terminal interface details;
- close coil and trip coil characteristics;
- anti-pump compatibility;
- close/trip circuit monitoring compatibility; and



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- CT polarity, phasing, and final functional verification methodology.