



November 27, 2023

**JPS Request for Expression of Interest # 968225:
EPC Contractor for a 115 MW Utility Scale Solar PV Plant, 171.5 MW Battery
Energy Storage System, and 12 MW Onshore Wind Plant**

Dear Vendors

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:

- Basic Client Guide <https://citrix.sharefile.com/share/view/s1bff52f8d434781a>
- Training (video) <https://www.sharefile.com/support/training>

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REOI 968225 Activities are guided by the dates stated in the EOI Schedule highlighted in Section 2 of this document. Observing these dates,

- 1) Section 4.2.3 (Communications) provides Instructions to submit questions via email only
- 2) A combined response to questions will be posted on the JPS website only
- 3) Respondents must confirm their intention to participate in order to be setup in JPS ShareFile folder
- 4) Access to individual vendor folders will be given at least 5 days before the bid closes to eliminate any issues for bid upload by RFP deadline.
- 5) Files must be accurately labelled/named. Commercial Proposal must be a separate file from your Technical Information.
- 6) ShareFile Access will be removed when the REOI closes.

Bids will not be accepted via email.

Regards
JPS Purchasing Dept.

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Jamaica Public Service Company Limited

**Request for Expression of Interest
For**

**EPC Contractor for a 115 MW Utility Scale Solar PV Plant, 171.5 MW
Battery Energy Storage System, and 12 MW Onshore Wind Plant**

REOI# 968225

November 2023

Background

Jamaica Public Service Company Limited (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 80% of the shares in JPS. The Government of Jamaica and a small group of minority shareholders own the remaining shares.

JPS serves approximately 680,000 residential, commercial and industrial customers, through a workforce of over 1,250 employees and a network of offices throughout the island. The Company owns and operates 20 generating units (inclusive of a 2/1 Combined Cycle plant), 53 Substations, and approximately 21,000 kilometers of distribution and transmission lines. The total installed generating capacity is 1,042 MW. The company owns 541 MW of this capacity. The remaining 501 MW is owned by Independent Power Producers (IPP's). The company also manages and operates the transmission and distribution system. The Office of Utilities Regulation ("OUR") is the independent regulatory agency with responsibility for regulating the electricity sector in Jamaica

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.

JPS is seeking an Expression of Interest (EOI) from qualified firms to participate in the tendering for an EPC contractor for a 115 MW Utility Scale Solar PV Plant, 171.5 MW Battery Energy Storage System, and a 12 MW Onshore Wind Plant ("the Project").

Objective

The purpose of this Expression of Interest (EOI) is to identify qualified firms who are willing to provide EPC proposals for the Engineering, Procurement and Construction of a 115 MW Utility Scale Solar PV Plant, 171.5 MW Battery Energy Storage System (BESS), and a 12 MW Onshore Wind Plant which are proposed for design and construction in phases between 2025 and 2027. Please refer to Paragraph 1.1 for participation options.

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1 Scope of Services for EPC Contractor

1.1 Project Description

The Project consists of three new plants including a 115 MW Solar PV Plant, a 171.5 MW BESS, and a 12 MW Onshore Wind Plant. Solicited firms may elect to submit EOI documentation for qualification of selection to participate in the EPC tendering for either all three plants or selected specific plants. EOI firms must clearly indicate in their EOI submission the specific plant(s) for which they would like to be considered. EOI firms must also indicate in their EOI submission the manufacturer(s) they intend to partner with for supply of the main equipment.

Please refer to Attachment B for the complete Project Description and Scope of Work.

1.2 Project Commercial Operation Dates

The Project shall be constructed across various locations throughout Jamaica with estimated design, procurement, construction and Commercial Operation Dates (“COD”) according to the table below. The dates and timeframes shown in the table below are indicative and may be adjusted as required during the Project development and Tendering phases prior to EPC Contract Award.

Project Task/Milestone	Indicative Date
Solar PV Plant – 115 MW	
Detailed Engineering Design and Procurement	Q1-Q3 2025
Start of Construction	Q4 2025
COD	Q4 2026
BESS Phase 1 - 50 MW	
Detailed Engineering Design and Procurement	Q1-Q2 2025
Start of Construction	Q3 2025
COD	Q1 2026
BESS Phase 2 - 64 MW	
Detailed Engineering Design and Procurement	Q3-Q4 2025
Start of Construction	Q2 2026
COD	Q4 2026

BESS Phase 3 - 57.5 MW	
Detailed Engineering Design and Procurement	Q1-Q3 2026
Start of Construction	Q1 2027
COD	Q3 2027
Onshore Wind - 12 MW	
Detailed Engineering Design and Procurement	Q1-Q4 2025
Start of Construction	Q1 2026
COD	Q4 2027

2 EOI Schedule

JPS will review the EOI submissions and select a group of shortlisted preferred bidders (the “Bidders”) who will be invited to participate in the tendering and formal bid submissions. The Bidders may also be required to make bid presentations to JPS, preferably at the JPS Head Office in Kingston, Jamaica.

The table below indicates the calendar of development and tendering activities to be undertaken by JPS in order to achieve the indicative design, construction and COD timeframes shown in Paragraph 1.2.

Item	Task/Deliverable	Dates	Responsibility
1	EOI published	November 27, 2023	JPS
2	Firms to communicate receipt of the REOI to the named POCs	November 29, 2023	EOI Firms
3	Deadlines for firms to submit inquiries to JPS regarding the EOI	December 1, 2023	EOI Firms
4	JPS to provide inquiry responses to JPS website	December 6, 2023	JPS
5	Firms confirm intent to officially participate in EOI	December 8, 2023	Participating Firms
6	Access to JPS FTP site given to Participating Firms	December 8, 2023	JPS
7	Participating Firms submission to EOI	11:59PM EST, December 15, 2023	Participating Firms
8	Private opening of EOI submissions	December 18, 2023	JPS

9	Evaluation of EOI submissions	December 18-20, 2023	JPS
10	Shortlisting and notification to Participating Firms	December 21, 2023	JPS
11	Project Development, EPC Tendering, EPC Selections and Contract Negotiations	Q1-Q3 2024	JPS/Bidders
12	EPC Contract Award	Q4 2024	JPS

3 Evaluation Criteria

The JPS Evaluation Team will thoroughly evaluate the submissions and select a group of shortlisted Bidders. The selection will be based on the Evaluation Team's judgment of the Bidder's ability to successfully fulfill (both commercially and technically) the EPC scope of services and associated obligations through the EPC contract term. The selection will be based on an evaluation of the submitted information and any follow-up information provided as a result of follow-up inquiries that may be posed by the Evaluation Team.

The evaluation criteria will include, but not be limited to, the following categories which are further detailed in Attachment A.

3.1 Technical Merit

- Project Execution Assessment
- Solar PV, BESS and/or Onshore Wind EPC Experience
- Technical Qualifications and Capabilities

3.2 Commercial Merit

- Organizational Details
- Financial Capabilities

3.3 Evaluation Weighting

Technical (55%) – which will include but not be limited to the following components:

- Project Execution Assessment
- Experience
- Qualifications
- Health, Safety, Security, and Environmental (HSSE) Record and Plan

Commercial (40%) – which will include but not be limited to the following components:

- Organization Details
- Financial Capabilities

Compliance (5%) – EOI conforms with terms stated required in REOI

3.4 Selection of Bidders

Selection of the preferred Bidders for the Project tendering will be based on the JPS Evaluation Team's assessment and ranking of the proposals received from the EOI participating firms. Each proposal will be evaluated, scored and ranked according to the evaluation weighting outlined in Paragraph 3.3. Any proposal received which is not in compliance with the EOI instructions, and/or the required terms and conditions shall be deemed as a non-conforming proposal. Non-conforming proposals may be excluded from further consideration at the discretion of JPS.

4 General Instruction to Firms

4.1 General

EOIs shall be prepared and submitted strictly in accordance with the instructions provided herein. EOIs which are not prepared and submitted in accordance with these instructions may be considered non-compliant and rejected at the discretion of JPS.

In all cases, JPS reserves the right to accept or reject submitted EOIs at its sole discretion without stating any cause or reason, and without any cost or liability or obligation on the part of JPS. Throughout these EOI documents:

(a) "day" means calendar day.

4.2 Submittal Requirement

The EOI Participating Firms shall submit their proposals via the designated FTP site, that is the JPS ShareFile.

4.2.1 Internet EOI Platform

JPS is utilizing a FTP site to facilitate the EOI process.

There are no license costs or usage fees to the EOI Participating Firms for the use of the FTP site.

The FTP site is strictly confidential and will provide the means to communicate your EOI proposals to JPS.

The website address of the FTP site will be provided to EOI Participating Firms via email. Participating Firms will be required to upload their proposal and supporting files to the designated FTP site location in response to this Request for EOI. Failure to do so may result in disqualification.

It is the responsibility of each EOI Participating Firm to ensure that their proposal is received by JPS (that is, uploaded to the FTP site) by the due date and time shown in the EOI Schedule in Paragraph 2. Any proposal received after the stated due date and time may be rejected.

4.2.2 File Transfer Protocol (FTP) Site Submittal Procedure

The EOI Participating Firm's designated contact will be sent an email with detailed instructions on how to access the FTP site, including login credentials. This will provide access to an individual folder in which the EOI's proposal package can be uploaded.

4.2.3 Communications

All proposals MUST be uploaded to the FTP website. All responses to this EOI are to be submitted in English.

Observing the deadline to submit inquiries, respective EOI Participating Firms are invited to submit inquiries via email the following Points of Contact (POCs):

Email Subject: JPS REOI # 968225
To: Alexa Brown agbrown@jpsco.com
Copy: Aldeen Morris apmorris@jpsco.com

The JPS Procuring Entity will then post both the technical inquiries and respective responses on the JPS internet titled "Inquiry and Response". This will be completed by the date stated in EOI Schedule. The originating entity will remain anonymous but all EOI Participating Firms will see all inquiries and responses.

Any contact made directly with any other JPS employees or Board Members regarding this EOI is a violation of the terms of the EOI and may be cause for disqualifying an EOI Participating Firm at the sole discretion of the JPS Procuring Entity.

4.3 Interpretation of EOI Documents

The Procuring Entity will be the sole source of information regarding clarifications, interpretations, corrections, supplemental data, or changes to the EOI Proposal.

Noting the EOI calendar of activities, firms are requested to carefully examine and understand the EOI Proposal and seek clarifications prior to submission of proposals, if required, to ensure that they have understood the EOI proposal.

4.4 Ethical Practices

JPS requires that EOI Participating Firms, (including their respective officers, employees and agents), adhere to the highest ethical standards, and report to the JPS all suspected acts of fraud or corruption of which they have knowledge or become aware both during the EOI process and throughout the evaluation and selection process.

4.5 Eligible EOI Entity

An EOI firm may be a natural person, private entity, government-owned entity or any combination of such firms supported by a letter of intent to enter into an agreement or under an existing agreement in the form of a joint venture or association (JVA). In the case of a joint venture or association unless otherwise specified, all partners shall be jointly and severally liable.

The EOI firm, local or overseas should be tax compliant in the country of origin and or incorporation.

A firm, and all parties constituting the EOI, may have the nationality of any country.

An EOI firm shall be deemed to have the nationality of a country if the EOI respondent or firm is a citizen or is constituted, incorporated, or registered and operates in conformity with the provisions of the laws of that country. This criterion shall also apply to the determination of the nationality of proposed subcontractors or suppliers for any part of the Contract including related services.

4.6 Amendment to EOI Request

At any time prior to the deadline for submission of EOIs, the Procuring Entity (JPS) may amend the EOI by issuing addenda.

Any addendum issued shall be part of the EOI and shall be communicated in writing to all who have obtained the EOI from the Procuring Entity.

To give prospective EOI firms reasonable time in which to take an addendum into account in preparing their bids, the Procuring Entity may, at its discretion, extend the deadline for the submission of EOIs.

4.7 Cost of EOI

The EOI Participating Firm shall bear all costs associated with the preparation and submission of its EOI, and the Procuring Entity (JPS) shall not be responsible or liable for those costs, regardless of the conduct or outcome of the EOI process.

4.8 Language of EOI Responses

The EOI, as well as all correspondence and documents relating to the EOI exchanged by the Bidder and the Procuring Entity, shall be written in the English language. Supporting documents and printed literature that are part of the EOI may be in another language provided they are accompanied by an accurate translation of the relevant passages in the English language.

4.9 EOI Entity's Experience and Qualifications

EOI Entity shall provide necessary experience details to establish that it has capacity to secure and supply complete EPC services and or in the case where the Entity may be required to construct the facility, their experience in design, procurement, construction, build and commission power plants and/or systems with similar or higher capacities. The details shall include names and locations of at least two (2) references meeting the above criteria, awarded to the Entity, which are in successful commercial operation.

Prospective Firms/Consultants shall demonstrate in their EOI that they meet the required qualifications and experiences and are fully capable of executing this Project by demonstrating the following, but not limited to:

- The Firm/Consultant shall have a minimum of ten (10) years of experience in the EPC market and construction of similar projects.
- The Firm/Consultant shall have experience with OEMs and operations.
- The Firm/Consultant shall have experience in design, equipment manufacturing and operations.
- The Firm/Consultant's proposal shall include demonstration of qualifications including evidence of at least two (2) projects with similar requirements for which Firm was appropriated/offered and have been successfully commissioned in the last ten (10) years.

4.10 EOI Entity Financials

The EOI firm shall be financially solvent to undertake the Project and shall have the financial ability to arrange Letter of Credit/Performance Security from Acceptable Credit Providers. This shall be evidenced by submission of complete audited financial statements/Annual Reports of the firm for at least the last two (2) years of operation. If short-listed, the firm will be required to provide the last three (3) consecutive years and the credit lines enjoyed with the banks.

4.11 Corporate Resources

EOI firms shall provide information on the corporate management structure pertinent to the control and management of the Project. General information should also be provided on corporate resources and capabilities for engineering, procurement and construction, including information on location and resources of offices in which work will be performed.

4.12 EOI Opening

The Procuring Entity (JPS) will open EOIs privately, as scheduled.

4.13 Confidentiality

Information relating to the evaluation of the EOIs and recommendation of shortlisted firms shall not be disclosed to EOI firms or any other persons not officially concerned with such process until information is communicated to all EOI firms.

4.14 Clarification of EOI After Submission

To assist in the examination, evaluation, and comparison of the EOIs, and qualification of the firms, the Procuring Entity may, at its discretion, ask any Entity for a clarification of its EOI proposal. Any clarification submitted by a Bidder that is not in response to a request by the Procuring Entity shall not be considered. The Procuring Entity's request for clarification and the response shall be in writing.

If an Entity does not provide clarifications of its EOI by the date and time set in the Procuring Entity's request for clarification, its EOI may be rejected.

4.15 Reservation of Rights

In connection with this procurement, JPS reserves to itself all rights (which rights shall be exercisable by JPS in its sole discretion) available to it under applicable Jamaican laws, including without limitation, the following, with or without cause and with or without notice:

The right to cancel, withdraw, postpone or extend this EOI in whole or in part at any time prior to the execution by JPS of the Contract, without incurring any obligations or liabilities.

The right to issue a new EOI.

4.16 Notification to Shortlisted EOI Firms

JPS shall have the right to select Short-listed EOI Firms or the Preferred firms that, in JPS' sole judgment and discretion, has provided a Proposal that is in the best interests of and has the best value to JPS and its customers.

The Procuring Entity shall notify the shortlisted EOI Firms in writing, that its EOI has been accepted.

Attachment A: Form of Submission for EOI

Each interested party shall submit all EOI documentation to JPS with accurate file names/labels. Adobe pdf, Microsoft Word, Excel or PowerPoint files are preferred. The documentation submission must include, but not limited to, the following areas listed below.

1. Technical Overview

A. Company Experience

- EPC experience: Detailed descriptions and supporting information of all similar projects and/or activities completed and in operation
- Development experience: List of all similar projects constructed in the last ten (10) years with detailed project descriptions and supporting information
- Ownership experience: List all similar projects in which Bidder has a controlling interest and management responsibilities
- Operational experience: Detailed list including scope of operational services.
- Qualifications of related companies: Majority-owning parent, sister-owned company or partner companies
- Qualifications of resources: Experience of company resources related to the detailed design, planning, procurement, shipping, construction, installation, testing and commissioning of similar projects. CVs of personnel for key organizational functions such as Engineering Manager, Lead Project/Design Engineer, Project Manager, Construction Manager, Commissioning Manager, etc. are preferred.

2. Commercial Information

B. Organization Details

- Ownership Structure, Joint Venture, Partners, Investors, Parent Company, etc.
- Corporate Office or home location
- Country or State of Incorporation
- Structure and Organization Chart
- History of past experience of Joint Venture and partners working together

C. Financial Capabilities

- Last three (3) years of Audited Financial Statements: Income Statements and Balance Sheets of Bidder, Parent Company, Partners and/or Consortium Members as applicable
- Financial capability and/or financing plan
- Credit support capabilities
- Details of any outstanding disputes, litigation or arbitration that amount to more than US\$25 million

Attachment B: Project Description and Scope of Work

The Project consists of a 115 MW Solar PV Power Plant to be installed at a single site location in Jamaica, a 171.5 MW Battery Energy Storage System (BESS) to be installed at multiple (minimum of 3) site locations across Jamaica, and a 12 MW Onshore Wind Power Plant to be installed at a single site location in Jamaica. The specific site locations for the plant installations are expected to be greenfield parcels of land which are currently under evaluation for final selection.

The Capacity (MW), Capacity Factor, and Annual Energy (MWh) for each plant shall be as shown in the following table.

Plant Technology	Plant Capacity (MW)	Capacity Factor (Est.)	Annual Energy (MWh)
Utility Solar PV	115	23.5%	237,571
BESS	171.5	-	2 hours/day
Onshore Wind	12	34%	35,741

The Project shall be engineered, manufactured or procured, constructed, and commissioned by the selected EPC Contractor on a lump-sum, turn-key basis. Energy produced by the Project will be delivered and sold on an energy tariff basis. Therefore, the Engineering, Procurement, and Construction (EPC) of the Project will be evaluated by JPS on a Levelized Cost of Electricity (LCOE) basis and should be optimized by the selected EPC Contractor accordingly.

The selected EPC Contractor will be responsible for providing all equipment, materials, equipment and resources for the construction and installation of the Project including, but not limited to, the following:

1. Earthworks, foundations, trenching, structural and architectural works
2. Site lighting, security systems, fencing, gates, roads and signage
3. PV modules
4. PV module mounting system (fixed or tracking)
5. Battery Energy Storage System modules, racks and/or containers
6. Solar PV inverters
7. BESS inverters
8. BESS power control system
9. Wind turbine packages including towers, nacelles, blades, etc.
10. Inverter step-up transformers
11. Main step-up transformer(s)

12. Electrical balance of system including but not limited to DC cabling, AC cabling, control cabling, conduits, raceways, combiner boxes, disconnect switches, junction boxes, and panelboards
13. Lightning protection
14. Facility grounding (earthing)
15. Interconnecting cables from the plants to the substation(s)
16. Substation and metering (if required)
17. Control Equipment Building including Site Controller, Historian, and HMI equipment
18. Battery/Uninterruptible Power System (UPS) for auxiliary power requirement such as lighting, telecommunications, low voltage power, etc. especially for night-time use.
19. Meteorological Monitoring Station
20. Communications cabling and hardware
21. Recommended special tools and spare parts as agreed by EPC Contractor and Owner
22. Lockable warehouse storage on site for spare parts, special tools and operations maintenance equipment to be provided by the EPC Contractor

The selected EPC Contractor shall be responsible for the design, manufacturing or procurement, construction, and commissioning of a complete, fully operational Project including, but not limited to, the following scope of work.

1. Project Management, including but not limited to the following:
 - a. Plan, lead, record, and issue meeting minutes/actions for weekly progress review meetings with the Owner for the duration of the Project.
 - b. Prepare, review, monitor, update and issue a Level 3 project schedule including critical path and milestone dates to the Owner on a bi-weekly basis throughout the duration of the Project.
 - c. Prepare and submit detailed Project Progress Reports to the Owner on a monthly basis for the duration of the Project.
 - d. Prepare and submit Requests for Information (RFI) if questions or conflicts arise.
 - e. Inform Owner of any design changes in a timely manner.
2. Undertake its own surveys of above- and below-ground conditions of the Project site and logistical route surveys as required for EPC Contractor's precise determination of its work scope and methods.
3. Locate and remove/relocate/manage all above- and below-ground objects in construction areas and along the tie-line route to the substation as necessary to carry out the EPC Contractor's work scope.
4. Perform and validate all engineering designs for the plants including all required calculations and studies.

5. Site preparation works including grubbing, grading and drainage, compacting, and perimeter fencing.
6. Obtain building, construction, commissioning and all other permits required to carry out EPC Contractor's work scope. Owner will assist EPC Contractor where necessary to obtain certain permits.
7. Specify, procure, ship and deliver all required equipment and materials to the Project site.
8. Perform and manage construction of the plant, including but not limited to:
 - a. Receiving and controlling storage of all equipment and materials in the designated Project site laydown areas.
 - b. Procuring all construction consumables including PPE.
 - c. Obtaining and managing logistics and construction machinery and tools.
 - d. Managing all Project construction workforce including subcontractors and vendor representatives.
 - e. Overseeing the health and welfare of the workforce.
 - f. Managing transportation on and off site.
 - g. Removal of construction debris and other rubbish.
 - h. Restoration of disturbed access routes and landscapes.
9. Provide training and instruction for Owner's personnel in the design, operation, maintenance and repair of all equipment and systems in the plants.
10. Fully commission the plants.
11. Conduct acceptance and reliability testing of the plants.
12. Handover of the plants to the Owner.
13. Close-out all Punchlist Items and as-built Project documentation.
14. Manage warranty obligations.