Jamaica Public Service Company Limited

REQUEST FOR PROPOSAL

ROCKFORT DIESEL STATION

UNIT #2

MET 83SD MHI TURBO CHARGERS 2022

RFP# 883114

May 2021

1. Background

The Rockfort Diesel Station Unit #2 is scheduled to undergo its biennial major maintenance in January 2022 for a period of 35 calendar days. During this period a series of inspection and maintenance activities will be performed. The objectives of the Maintenance Interval is to overhaul Two (2) MET 83SD MHI TURBO CHARGERS to improve the efficiency and reliability of the units without any safety incidents.

The company is requesting proposals from specialist contractors to perform inspection and maintenance services on the Rockfort Diesel Station Unit #2 TURBO CHARGERS as outlined in this RFP document.

1.1 Main Engine information

Plant Location	Eastern side of Kingston Harbour
Commission Date	December 1985
Technology	Two (2) Slow Speed Diesel Engine Driven Generators
Installed Capacity	40 MW
Current MCR	40 MW
Operating Regime	Base Load
Manufacturer	Mitsubishi Heavy Industries / Sulzer
Type & Model	Sulzer – 8RLB90F
Number of Cylinders. & RPM	8 / 100
Horsepower	28,160
Running Hours as @ 2021/05/12)	**RF2: 267,325**
Manufacturer	Meidensha Electric Mfg. Co. Ltd.
Type	Synchronous
Rated Output	20,000kW ; 13,800V
No. of Poles	60
	TURBO CHARGERS DATA
Model	MET 83 SD MHI Turbo chargers
No of T/C	2
Running Hours	Over 80,000
	See Appendix for more info

1.2 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 600,000 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, 1Wind 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.

2. Scope of Works for MET 83SD Turbo-chargers

The works involved in the Turbo Charger major overhaul shall include but not limited to the following:

On Field Scope of Work

- To record the just as found condition & measurement for Two (2) MET SD83 Turbo Chargers.
- To disassemble two (2) MET SD83 Turbo Chargers.
- Cleaning and evaluating of Turbo charger Components.
- To inspect all parts on field with condition found report.
- Reassemble both Turbo Chargers with new parts
- Measure all gaps and clearance at the various stages.
- Conduct NDT on Turbo-charger Casing
- Prepare Service report on all work done

Supplier Workshop Scope of Work

- Install new turbine blades on turbine rotor shaft
- Static and dynamic balance of rotor assembly with report.
- Final assembly rotating elements
- Dynamic Balance Check with report
- Prepare Unit for shipping, packing and preservation

Turbo Chargers Main Parts that is required.

No.	Item	Description	Qty	
1	(N36-000-0026) (N36-000-0026)	RCAS RCAS ROTOR COMPLETE inclusive	2	SET
incl.	(N36-869-2069-1)	66 IMPELLER	2	PC
incl.	(N36-879-2004-4)	61 TURBINE BLADE	2	SETS
incl.	(N36-859-5008-1)	612 BLADE STOPPER	2	SETS
2	(168-620-124-0)	474 DOUBLE TONGUED WASHER	16	PCS
3	(168-620-124-0)	364 DOUBLE TONGUED WASHER	12	PCS
4	(N36-P30-5003-A)	874 VACUUM BREAKER	2	PCS
5	(N36-C39-6001-A13)	22 NOZZLE	2	PCS
6	(N36-719-0008-5)	23 GAS OUTLET GUIDE	2	PC
7	(C1+C2)(83SD-002)	O/H OVERHAUL KIT	2	SETS
incl.	(N36-361-0034-1)	472 O-RING	2	PCS
incl.	(361-057-190-6)	373 O-RING	2	PCS
incl.	(360-084-320-6)	362 O-RING	2	PCS
incl.	(360-084-220-6)	354 O-RING	2	PCS
incl.	(N36-362-0177-4)	871 GASKET	2	PCS
incl.	(N36-J09-4014-A)	70 JOURNAL BEARING	2	PCS
incl.	(N36-J09-4014-A)	70 JOURNAL BEARING	2	PCS

2.1 Start-up and Commissioning Support

- Service includes, Rotor balancing, complete turbocharger assembly, commissioning and OEM authorized/certified field tests.

2.2 Turbo Charger Overhaul Quality Assurance

- Both turbochargers must be completely overhauled as per OEM requirements and the following components must be replaced by new parts obtained from Mitsubishi, Japan, OEM.
- Engineers working on this service must be OEM certified and authorized by MHI, OEM.

3. Supply of Spare Parts

The Contractor will be responsible for supplying of all **Internal & Rotatory** parts required for the overhaul of two (2) Turbochargers, these components must be replaced by new parts obtained from Mitsubishi, Japan, OEM.
Contractor must submit a comprehensive list of parts to be replaced along with their cost for review.

4. JPS Labour Assistance

JPS will provide local labour assistance as needed. At least two (2) helpers.

5. Accommodation and Transportation in Jamaica

JPS will provide hotel accommodation and Transportation for Specialist Contractor Crew Members.
All Field, shop and travel costs must be included/provided by service provider.
All Freight to JPS also must be included/provided by service provider.

6. Schedule

Considering all activities that can be done concurrently, the contractor shall complete all works within Twenty (20) calendar days.
The regular maintenance is scheduled for January 2022 and covers the MET TC Serial Numbers 30991 and 30992.

7. Equipment OEM Part Drawings and Technical Information

Contractor shall be responsible for obtaining OEM detailed drawings that will aid in the disassembly and reassembly of engine components.

OEM Certified Service Report must be provided along with parts and components warranty.

8. Show Cost break out

- Travel expense & Admin
- Labour
- Parts
- Consumable
- Others
- ETC.

9. 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.

9.1 Points of Contact (POC)

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

Name: **Kolonje McKenzie**
CC: Ann-Marie Woodham
Address: Jamaica Public Service Company Ltd
113 Washington Boulevard
Kingston 20, Jamaica WI

Email: **komckenzie@jpsco.com**
cc: **aaiken@jpsco.com**

9.2 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

9.3 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.

9.4 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.

9.5 Cost of Quote 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.

10. Submission of Bids and Selection Criteria

10.1 Period of Validity of Quote

Bids shall remain valid for ninety (90) 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.

10.2 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.

Foreign Supplier:

- Prices should be quoted in USD.

Local Supplier:

- Prices should be quoted in JMD

All responses must be in English Language. Your bid response must be presented in two (2) separate Folders, namely Financial/Costing and Technical Specifications. The deadline for submission of bids is **11:59pm on Thursday June 17, 2021**.

10.3 RFP Calendar

RFP CALENDAR		
ACTIVITY	**DUE DATE**	**RESPONSIBILITY**
RFP date	May 31, 2021	JPS

RFP Confirmation of receipt date	Jun 2, 2021	Bidder
Bidder submits questions on RFP	June 4, 2021	Bidder
Final date to respond to all queries	June 9, 2021	JPS
Completion of RFP and deadline for submission of bids to JPS	11:59PM June 17, 2021	Bidder

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.

10.4 Late Bids

Any bid received by the Company after the deadline for submission of bids prescribed by the Company will be rejected and/or returned unopened to the Bidder.

10.5 Bids Responses

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

RFP Activities are guided by the dates stated in the Calendar of Events highlighted in Section 10 of this RFP. Observing these dates,

1) A combined response to questions will be shared at the time specified in the RFP.
2) Respondents must confirm their intention to bid in order to be setup in JPS ShareFile folder
3) Access to individual vendor folders will be given 1 weeks before the bid closes to eliminate any issues for bid upload by RFP deadline.
4) Files must be accurately labelled/named. Commercial Information must be a separate file from your Technical Overview.
5) ShareFile Access will be removed when the bid closes.

10.6 Proposal Rejection

Any bid received after the deadline for submission of bids prescribed by the Company will be rejected and/or returned unopened to the Bidder. 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.

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.

10.7 Evaluation 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
Technical Capacity	Pass/Fail

COMMERCIAL EVALUATION

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

11. Award of Contract

11.1 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.

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

11.3 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.

12. General Conditions of Contract

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

12.1 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.

12.2 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.

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.

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.

12.3 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.

12.4 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 CIF Kingston Jamaica in accordance with Incoterms 2010.

12.5 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.

12.6 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 nor 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.

12.7 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.

12.8 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.

12.9 Subcontracts

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

12.10 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.

12.11 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.

12.12 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.

12.13 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.

12.14 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.

12.15 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

(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.

12.16 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.

12.17 Applicable Law

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

12.18 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.

13. APPENDIX 1

GENERAL INFORMATION

Name of Organization: _____

Address: _____

_____

_____

_____

Key Contact: _____

Title: _____

Telephone Numbers: _____

_____

Email Address: _____

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)

14. Appendix

MITSUBISHI EXHAUST
GAS TURBOCHARGER
TYPE MET 83SD
CS2E40DD4N
SPEC.
MAX. CONT. SPEED 11600 min⁻¹
MAX. CONT. GAS TEMP. 580 °C
MITSUBISHI
HEAVY INDUSTRIES, LTD.
TOKYO JAPAN
Attached the flap valve in head tank.