

ENERGY FIJI LIMITED



Tender Document

Tender No. : MR203/2018

**Assembly and Installation of a Wartsila W20V32,
10MW OilCube at EFL's Vuda Power Station**

Generation SBA
Energy Fiji Limited

17 May 2018
Eparama@efl.com.fj

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1.0 Invitation for Tenders

Energy Fiji Limited is inviting bids for the Installation and Assembly of a new Wartsila 10MW generating plant (OilCube) with all its auxiliary equipment at Vuda Power Station.

Interested bidders may obtain Tender Document at the:

Supply Chain Office
Energy Fiji Limited
Head Office
2 Marlow Street, Suva
Contact: 322 4360 / 999 1587

All tenders shall submit all documents required including spares pricing as per price template.

During evaluation of tenders, EFL will invite a tenderer or tenderers for discussions, presentations and necessary clarification before awarding of the contract

The tender submissions close on the 20th June 2018.

2.0 Instruction to Bidders

2.1 Eligible Bidders

This invitation is open to all Bidders who have sound Financial Background, and have previous experience in Power Station Construction Projects.

Bidders shall provide such evidence of their continued eligibility satisfactory to EFL as EFL shall reasonably request. Bidders shall not be under a declaration of ineligibility for corrupt or fraudulent practice.

2.2 Eligible Materials, Equipment and Services

The materials, equipment, and services to be supplied under the Contract shall have their origin from reputable companies as specified by EFL and from various countries and all expenditures made under the Contract will be limited to such materials, equipment, and services. Upon request, bidders may be required to provide evidence of the origin of materials, equipment, and services.

For purposes of this Contract, "services" means the works and all project-related services including design services.

For purposes of this Contract, "origin" means the place where the materials and equipment are mined, grown, produced or manufactured, and from which the services are provided. Materials and equipment are produced when, through manufacturing, processing or substantial or major assembling of components, a commercial recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.

The materials, equipment and services to be supplied under the Contract shall not infringe or violate any industrial property or intellectual property rights or claim of any third party.

2.3 One bid per Bidder

Each bidder shall submit only one bid. A bidder who submits or participates in more than one bid will cause all those bids to be rejected.

2.4 Cost of Bidding

The bidder shall bear all costs associated with the preparation and submission of its bid and EFL will in no case be responsible or liable for those costs.

2.5 Site Visits

Site visit are required for this tender which will be on Wednesday 23th May 2018 at the EFL's Vuda Power Station at 11.00am.

2.6 Contents of the Bidding Documents

The bidder is expected to examine carefully the contents of this Bidding document. Failure to comply with the requirements of bid submission will be at the bidder's own risk. Bids which are not substantially responsive to the requirements of the bidding documents will be rejected.

The following are the mandatory submission of a successful tender bid;

- Pricing Schedule
- Program of Works
- Company Profile (Max 2 pages in standard A4)
 - Work History - Project/ Work done with referee, EFL work history.
 - Company background
 - Bidder available resources e.g. Manpower, Machines & Equipment.
 - OHS Policies or Plan
- Fiji Revenue & Customs Service (FRCA) compliance
- Fiji National Provident Fund (FNPF) compliance
- Signed checklist declaration (Appendix 5.1)

2.7 Clarification of Bidding Documents

A prospective bidder requiring any clarification of the bidding documents may notify EFL in writing by fax (hereinafter the term "fax" is deemed to include electronic transmission such as facsimile, cable and telex), or email addressed to:

Tuvitu Delairewa
General Manager Commercial
2 Marlow Street,
Suva, Fiji
Phone: +679 3224 185
Email: TDelairewa@EFL.com.fj

EFL will respond to any request for clarification which it receives earlier than 10 days prior to the deadline for submission of bids.

2.8 Amendment of Bidding Document

At any time prior to the deadline for submission of bids, EFL 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 issuing addenda.

2.9 Language of Bid

The bid, and all correspondence and documents related to the bid, exchanged between the bidder and the EFL shall be written in the English language.

2.10 Bid Prices

Unless specified otherwise, Bidders shall quote for the entire facilities on a "single responsibility" basis such that the total bid price covers all the Supplier's obligations mentioned in or to be reasonably inferred from the bidding documents in respect of the design, manufacture, including procurement and subcontracting (if any), testing and delivery.

Bidders shall give a breakdown of the prices in the manner and detail called for in this bidding document, or any issued addenda.

Bids shall be given on Delivered Duty Paid (DDP) basis. The point of delivery shall be EFL's Vuda Depot in Suva. The term DDP shall be governed by the rules prescribed in the current edition of Incoterms (i.e. the eighth version - Incoterms 2010), published by the International Chamber of Commerce, Paris.

2.11 Bid Currencies

Prices shall be quoted in a single currency only.

2.12 Bid Validity

Bids shall remain valid for a period of 90 days from the date of Deadline for Submission of Bids specified in Sub-Clause 2.15.

2.13 Format and Signing of Bids

The bidder shall prepare one original and two (2) copies of the technical and financial proposals, clearly marking each one as: "ORIGINAL-TECHNICAL & PRICE PROPOSAL", "COPY NO. 1 - TECHNICAL & PRICE PROPOSAL", etc. as appropriate. In the event of discrepancy between the original and any copy, the original shall prevail.

The original and all copies of the bid shall be typed or written in indelible ink (in the case of copies, Photostats are also acceptable) and shall be signed by a person or persons duly authorized to sign on behalf of the bidder. All pages of the bid where entries or amendments have been made shall be initialed by the person or persons signing the bid.

The bidder shall provide one electronic copy of the Technical and Financial proposals on EFL's electronic tender hosting website; <https://www.tenderlink.com/EFL>

The bid shall contain no alterations, omissions or additions, except those to comply with instructions issued by EFL, or as necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid.

2.14 Sealing and Marking of Bids

The bidder shall seal the original copy of the technical proposal and the original copy of the price proposal and each copy of the technical proposal and each copy of the price proposal in separate envelopes clearly marking each one as: "ORIGINAL-TECHNICAL & PRICE PROPOSAL", "COPY NO. 1 - TECHNICAL & PRICE PROPOSAL", etc. as appropriate.

The bidder shall seal the original bids and each copy of the bids in an inner and an outer envelope, duly marking the envelopes as "ORIGINAL", "COPY No. 1", etc.

The inner and outer envelopes shall

- a) be addressed to EFL at the following address:

Tuvitu Delairewa
General Manager Commercial
2 Marlow Street,
Suva, Fiji
Phone: +679 3224 185
Email: TDelairewa@EFL.com.fj

And

b) bear the following identification:

Bid for: MR203/2018 - Assembly and Installation of a Wartsila W20V32, 10MW OilCube at EFL's Vuda Power Station.

In addition to the identification required, the inner envelope shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared "late" pursuant to Deadline for Submission of Bids.

If the outer envelope is not sealed and marked as above, EFL will assume no responsibility for the misplacement or premature opening of the bid.

2.15 Deadline for Submission of Bids

Bids must be received by EFL at the address specified above no later than 1600 hours (Fiji Time) 20/06/18.

EFL may, at its discretion, extend the deadline for submission of bids by issuing an addendum, in which case all rights and obligations of EFL and the bidders previously subject to the original deadline will thereafter be subject to the deadlines extended.

2.16 Late Bids

Any bid received by EFL after the deadline for submission of bids prescribed above will be rejected and returned unopened to the bidder.

2.17 Modification and Withdrawal of Bids

The bidder may modify or withdraw its bid after bid submission, provided that written notice of the modification or withdrawal is received by EFL prior to the deadline for submission of bids.

The bidder's modification or withdrawal notice shall be prepared, sealed, marked and delivered in accordance with Sealing and Marking of Bids, with the outer and inner envelopes additionally marked "MODIFICATION" or "WITHDRAWAL", as appropriate. A withdrawal notice may also be sent by fax but must be followed by a signed confirmation copy.

No bid may be modified by the bidder after the deadline for submission of bids.

2.18 Rejection of one or all Bids

EFL 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 rejection.

2.19 Process to be Confidential

Information relating to the examination, clarification, evaluation and comparison of bids and recommendations for the award of a contract shall not be disclosed to bidders or any other persons not officially concerned with such process.

Any effort by a bidder to influence EFL's processing of bids or award decisions may result in the rejection of the bidder's bid.

Lowest bid will not necessarily be accepted as successful bid.

2.20 Clarification of Bids

To assist in the examination, evaluation and comparison of bids, EFL may, at its discretion, ask any bidder for clarification of its bid. The request for clarification and the response shall be in writing or by fax, but 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 discovered by EFL in the evaluation of the bids in.

3.0 Technical Specification

3.1 General Information

1. Preliminary and General Conditions

The contractor shall furnish all labour, equipment, transportation and services as necessary to complete all projected work included in this specifications.

2. Site Location

EFL Vuda Power Station

3. Energy Fiji Limited

The contractor shall at times comply with all Energy Fiji Limited's HSE Regulations currently in force.

4. Building Conditions

The contractor is advised to visit and assess the site and existing premises prior to tendering, as no claim will be allowed on the grounds of ignorance of the conditions existing.

5. Work Plan

The contractor shall prepare a work programme, Work Safety Plan/Risk Assessment Plan in accordance and shall submit the plan to the EFL for their approval before commencing with work on the site.

6. Site Safety Management System

The contractor shall establish and maintain a Site Safety Management that ensures the safety of all persons on the site in accordance with the requirements of the Energy Fiji Limited Occupational Health and Safety Policy and the Health and Safety at Work Act, 1996 requiring strict compliance by the parties here to.

EFL will carry out an induction for the contractor and its members to familiarize with the Energy Fiji Limited Occupational Health and Safety Policy.

7. Protection of People and Property

The contractor shall keep all persons (workers) under control and within the boundaries of the site. He will be held responsible for the care of the existing premises and works generally until completion.

8. Duration of Work

The expected duration for the completion of work shall be of 180 working Days.

9. Tobacco/Alcohol/Drug Free Environment

EFL maintains tobacco, alcohol and drug free environment. Any personnel of the contractor found violating the policy will be requested to remove the product and themselves from the sites. Offensive language or actions are not acceptable. The EFL shall have the absolute right to require replacement of any employee the EFL deems objectionable to work on EFL premises.

4.0 Scope of Works

4.1 Geotechnical Assessment

The contractor must provide a full geotechnical assessment of the proposed layout site accordingly and discuss fully with FEA before commencement of foundation work. The contractor must report of the findings and result of the investigation complete with design calculations for foundation performance integrity for approval by the EFL.

4.2 Location

The Greenfield location of the power station is as per Wartsila drawing number DBAE719218 at Vuda Power Station.

4.3 Civil Works - Levelling of The Greenfield Site

The Contractor is to carry out civil works and level the Greenfield site as per Topography report.

The design of all earthworks, cut and fill, shall account for the overall drainage of the site, and match the existing drainage plan of the current power station setup.

4.4 Foundation

Design and Construct:

- a concrete slab in accordance to guidelines as per Wartsila drawing numbers: DBAA091970, DBAC640648, DBAC640640 and DBAC640644 for the Generator house
- a concrete floor slab for the MV house, in accordance to guidelines as per Wartsila drawing DBAC995286.
- A concrete foundation pad for the exhaust silencer in accordance to guidelines as per Wartsila exhaust drawing

The design parameters shall be based on the findings of the Geotechnical Investigation report of Clause 4.1, together with the parameters contained in the respective Wartsila Drawings.

All construction materials for the foundations, slabs and pads are to be provided by the Contractor.

The design shall be carried out by an engineer or engineering firm, registered as a Corporate Engineer with the Fiji Institute of Engineers and recognised by the Insurance Council of Fiji.

EFL requires the structures and foundations be designed to a Building Importance Level – 4, in accordance to Table 3.1 of AS1170.0-2002.

The designer shall also carry out a peer review of the structural design of the Power station super structure for compliance to Building Importance Level – 4, in accordance to Table 3.1 of AS1170.0-2002, and necessary provision of the National Building Code of Fiji. Any recommendations for improvement shall be included in the overall design report.

4.5 Power House Building Frames

Assemble and install the power house building frames as per Wartsila drawing numbers: DBAC653865, DBAC662308, DBCA663347, DBAC663522, DBAC663879, DBAC663881, DBAC663887, DBAC664978, DBAC665083, DBAC665335, DBAC665346, DBAC665351, DBAC665382, DBAC665450 and DBAC666020.

All materials will be provided by EFL

The contractor shall have the necessary equipment, tools and workforce required for the assembly and installation. Where applicable, equipment and tools shall have valid calibration certificates.

The relevant tradesperson shall have recognised local or international certifications and accreditations for the type of work undertaken.

4.6 Plumbing

Carry out plumbing works as per Wartsila drawing number: DBAC688847

All materials will be provided by EFL

The contractor shall have the necessary equipment, tools and workforce required for the assembly and installation of plumbing. Where applicable, equipment and tools shall have valid calibration certificates.

The relevant tradesperson shall have recognised local or international certifications and accreditations for the type of work undertaken.

4.7 Process Ventilation

Assemble and install process ventilation frames and panels as per Wartsila drawing numbers: DBAC627437, DBAC627440, DBAC676291, DBAC751771 and DBAC751779.

All materials will be provided by EFL

The contractor shall have the necessary equipment, tools and workforce required for the assembly and installation of ventilation. Where applicable, equipment and tools shall have valid calibration certificates.

The relevant tradesperson shall have recognised local or international certifications and accreditations for the type of work undertaken.

4.8 Roofing

Assemble and install power house roofing as per Wartsila drawing numbers: DBAC640662.

All materials will be provided by EFL

The contractor shall have the necessary equipment, tools and workforce required for the assembly and installation of roofing. Where applicable, equipment and tools shall have valid calibration certificates.

The relevant tradesperson shall have recognised local or international certifications and accreditations for the type of work undertaken.

4.9 Walls

Assemble and install power house bushing plates and external wall plates as per Wartsila drawing numbers: DBAC640639 and DBAC640654.

All materials will be provided by EFL

The contractor shall have the necessary equipment, tools and workforce required for the assembly and installation of walls. Where applicable, equipment and tools shall have valid calibration certificates.

The relevant tradesperson shall have recognised local or international certifications and accreditations for the type of work undertaken.

4.10 Layout

The payout and installation of the generating plant and its auxiliary equipment is as per Wartsila drawing numbers: DBAC654134, DBAC654135, DBAC651174, DBAC653418 and DBAC653430.

All materials will be provided by EFL

4.11 Plant Electrical

Carry out electrical installation as per Wartsila drawing numbers: DBAC536414, DBAC562918, DBAC562918, DBAC593385, DBAC660309, DBAC660312, DBAC664992, DBAC664996, DBAC664996, DBAC555205, DBAC559483, DBAC589966, DBAC604168 and DBAC677375.

All materials will be provided by EFL

The contractor shall have the necessary equipment, tools and workforce required for the assembly and installation of electrical items. Where applicable, equipment and tools shall have valid calibration certificates.

The relevant tradesperson shall have recognised local or international certifications and accreditations for the type of work undertaken.

4.12 Boundary Fence and Flood Lights

Construct a boundary perimeter fence with entry gates and flood lights. All materials to be provided by the Contractor.

4.13 Roding

Construct a tar-sealed road from the Main Gate House to the Entry gate to Vuda power station. All construction materials to be provided by the Contractor

5.0 Price Schedule

All VIP prices for each Scope of Works are to be detailed in the table below:

No.	Scope of Works	Amount
		FJD \$(VIP)
1	Carry out Geo-Tech and submit report	
2	Construct the Foundation Pad as per drawings(Material and Labour)	
3	Carry out civil works and level the Greenfield site. Remove all excavated material and dump at allocated site	
4	Construct the exhaust silencer foundation pad as per drawings and installation of the exhaust silencer(Material and Labour)	
5	Carry out installation and Assembly of power station frames as per drawings(Labour Only)	
6	Carry out Plumbing Works as per drawings(Labour Only)	
7	Carry out Process Ventilation of the power station as per drawings(Labour Only)	
8	Carry out Roofing Works as per drawings(Labour Only)	
9	Install the cooling water radiators as per drawings(Labour Only)	
10	Assemble and install bushing plates and walls of the power station(Labour Only)	
11	Carry out Plant Electrical Works as per drawings(Labour Only)	
12	Construct and assemble the MV and Control Building as per drawings(Material and Labour)	
13	Construct a boundary perimeter fence with gates and flood lights(Material and Labour)	
14	Construct a tar-sealed road from the gate house to the entry gate to Vuda Power Station(Material and Labour)	
15	Supply of lifting equipment for erection purposes (Cranes, forklift) etc.	
TOTAL(VIP)		

Notes

1. Ensure site HSE rules are followed at all times.
2. Contractor to verify all drawing measurements onsite.
3. All Sub-contractors to be used for any part of the works are to be declared.
4. Contractor shall provide all materials, tools equipment and labour necessary to perform works.
5. A detailed work plan to be provided with expected date for the works.
6. The bids must as per the Technical Specifications in the Tender Documents. Bids that do not conform to the technical Specification will be disqualified
7. The currency used in the tender bid prices must be indicated in the tender bid
8. EFL financial terms are applicable for these works.
9. Any advance payment will require a bank guarantee.
10. EFL uses FIDIC Contract documents for its contracts.
11. Failure to submit required documents may affect bid compliance. Failure to submit mandatory items as stated in Compliance Checklist will result in non-compliance.

6.0 Compliance Checklist Declaration

I _____ of _____ located at _____ confirm that the bid submitted for the following tender MR203/2018: _____

_____ complies to the mandatory bidder submission as stated in Sub Clause 2.6;

	Yes	No	Comments
Price Schedule			
Company Profile			
Detailed Scope of Work			
Exclusion or Amendment for Tender Specification			
Program [preferred Gantt Chart]			
Shipping Term (if Applicable)			
Payment Term			
Price Validity [preferred 180 days]			

Note that these submissions are mandatory submission for a successful tender bid. This declaration must be signed and submit as well.

Name: _____

Position: _____

Company: _____

Sign Off: _____

Date: _____

5.1 Tender Check List

(To be filled and accompanied with the tender Proposals/Documents)

Tender Specification Form

Tender Number: _____

Tender invitation and acceptance Term & condition of the Tender

The following information has to be filled by the bidder and submitted with the tender Documents:

1. Company Name: _____
2. Director/Owner(s): _____
3. Postal Address: _____
4. Phone Number: _____
5. Fax Number: _____
6. Office Location: _____
7. Tin Number: _____
8. Company Registration Number: _____
9. FNPF Employer Registration Number: _____
10. Number of Branches & Locations: _____
11. Years of Experience: _____

I declare that all the above information is correct.

Name: _____ Position: _____ Sign: _____

Date: _____

Tender Submission - Instruction to bidders

It is mandatory for Bidders to upload a copy of their bid in the TENDER LINK Electronic Tender Box no later than **4:00pm, on Wednesday 20th June, 2018.**

To register your interest and tender a response, view 'Current Tenders' at:

<https://www.tenderlink.com/efl>

For further information contact The Secretary Tender Committee, by e-mail

TDelairewa@efl.com.fj

In additional, hard copies of the tender, one original and one copy must be deposited in the tender box located at the EFL Head Office, 2 Marlow Street, Suva, Fiji no later than

4:00pm, on Wednesday 20th June, 2018 - Addressed as

Tender – MR 203/2018 – Assembly and Installation of a Wartsila W20V32, 10MW Oilcube at EFL's Vuda Power Station

The Secretary Tender Committee

ENERGY FIJI LIMITED

Head Office

Suva

Fiji

Hard copies of the Tender bid will also be accepted after the closing date and time provided a soft copy is uploaded in the e-Tender Box and it is dispatched before the closing date and time.

Tenders received after 4:00pm on the closing date of **Wednesday 20th June, 2018** will not be considered.

- Lowest bid will not necessarily be accepted as successful bid.
- **It is the responsibility of the bidder to pay courier chargers and all other cost associated with the delivery of the hard copy of the Tender submission.**