

# Energy Fiji Limited



## Tender Document

Tender No. : MR 17/2023

- 1.SUPPLY OF TWO (2) UNITS 415V AIR CIRCUIT BREAKERS FOR EFL'S QSK60-G4 GENERATORS
- 2.SUPPLY OF TWO (2) UNITS 415V AIR CIRCUIT BREAKERS FOR EFL'S NEW KINOYA POWER STATION

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## **1.0 TENDER SUBMISSION**

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 08<sup>th</sup> February, 2023**

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 email [tenders@efl.com.fj](mailto:tenders@efl.com.fj)

***Only Electronic Tender Bids will be accepted and should be uploaded in the EFL Tender site as per above Tender Link. Tenders should be addressed as***

- Tender – MR 17/2023 –**
- 1. SUPPLY OF TWO (2) UNITS 415V AIR CIRCUIT BREAKERS FOR EFL'S QSK60-G4 GENERATORS**
  - 2. SUPPLY OF TWO (2) UNITS 415V AIR CIRCUIT BREAKERS FOR EFL'S NEW KINOYA POWER STATION**

**The Secretary Tender  
Committee Energy Fiji Limited  
Head Office Suva  
Fiji**

Tenders received at **4:00pm** on the closing date of **Wednesday 08<sup>th</sup> February, 2023**

1. Will not be considered
2. Lowest bid will not necessarily be accepted as successful bid.
3. It is the responsibility of the bidder to pay all charges and all other cost associated with the submission of the soft copy of the Tender submission including any Duties/Taxes. Hard copies of the Tender submission via Post Box will not be considered.
4. All tenders for the contract shall be submitted on the appropriate forms provided and shall include the completed price schedule, technical schedule etc. The bid shall be on the basis of a lump sum contract based on firm prices.
5. During evaluation of tenders the EFL may invite a tenderer or tenderers for discussions, presentations and any necessary clarification before awarding of the contract.

## **2.0 INSTRUCTIONS TO BIDDERS**

### **2.1 GENERAL**

The Energy Fiji Ltd (EFL) is a statutory body vested with the responsibility for the provision of electricity supply throughout Fiji. The EFL plans to procure Two (2) Units new 415V air circuit breakers for Cummins QSK60-G4 Generators and Two (2) Units new 415V air circuit breakers for New Kinoya Power Station as per on below specification on Section 3.

### **2.2 TYPE OF TENDER**

The Tenderer shall submit a fixed price tender. This requirement shall apply equally to the conforming tender as well as any alternative tender.

### **2.3 COMPLIANCE WITH INSTRUCTIONS**

The Tender shall be submitted in accordance with these Instructions and the letter of invitation to tender. All the necessary forms and schedules need to be completed and submitted with the tender.

### **2.4 ADDENDA TO TENDER**

Where the EFL finds it necessary to make amendments to or clarify the requirements of the tender documents during the period of tendering three copies of each Addendum will be forwarded. In the Appendix to Tender shall state the reference number and description of each of the aforesaid Addenda which has been considered during preparation of the Tender.

### **2.5 COMPLIANCE WITH SPECIFICATION**

The tender shall be based on the equipment and work specified and shall be in accordance with the Technical Specification. It should be noted that unless departures from specifications are detailed in Schedule I of the Technical Specification, the tender would be taken as conforming to the Specification in its entirety. The Tenderer shall tender for the whole of the Works included in the Specification.

### **2.6 DELIVERY/SHIPMENT TERMS**

The Tenderer shall submit his tender on the basis where the delivery is in CFR Intercoms and CFR Nadi Airport, Fiji.

### **2.7 CURRENCY AND CURRENCY EQUIVALENT**

The tenders shall be in the currency of the Tenderer's home country. Preference will be given to Australian and New Zealand dollar currency. For Tender comparison purposes the currency or currencies in which the tender is offered will be valued in terms of Fijian dollars at the exchange rate quoted for the sale of the foreign currency for Fijian dollars quoted by the Reserve Bank of Fiji on the day the tenders are opened. All local companies registered in Fiji shall bid in VIP and Duty inclusive.

### **2.8 SIGNATURE OF TENDERER**

A tender submitted by a Partnership shall be signed by one of the members of the Partnership and shall be accompanied by a certified authorization of all the partners authorizing the individual partner to sign on behalf of the Partnership. A tender submitted by a Corporation to the Contract and shall be accompanied by a certified resolution of the Board of Directors authorizing the individual to sign on behalf of the Corporation.

## **2.9 INFORMATION FORMING PART OF THE TENDER**

The Tenderer shall supply with each set of the tender copies of the technical, price and information schedules of the Tender Documents duly completed with all missing information and shall also supply any requisite drawings. A copy of the Tenderer's covering letter (if any) shall be submitted with each tender and each tender shall be accompanied by a full set of supporting matter which the Tenderer wishes to have considered by the Authority as supporting information for his tender. It is a mandatory requirement to submit the following documents as part of the tender proposal:

1. Tender Covering Letter with signature/seal of EFL signatory
2. Price & Payment Schedule
3. List of Experience
4. Confirmation of Insurance Policies

## **2.10 CONFORMING AND ALTERNATIVE TENDERS**

No alternative bids shall be accepted.

## **2.11 NON CONFORMING TENDERS**

A tender which does not comply with the Conditions of Tendering or in which the technical price information schedules requiring information to be inserted by the Tenderer have not been completed in all respects may be considered informal will be rejected for these reasons.

## **2.12 VALIDITY PERIOD OF TENDERS**

Tenders shall remain valid for acceptance within 60 days from the date of opening of tenders and a Tenderer shall not withdraw or amend his tender prior to the expiration of the Validity Period. In exceptional circumstances prior to expiry of the original tender validity period, the Authority may request the Tenderer for an extension in the period of validity. The request and the response thereto shall be in writing. A tenderer agreeing to the request will not be permitted to amend his tender price.

## **2.13 EXTENSION OF CLOSING TIME FOR TENDERS**

The right is reserved to amend the date set for the opening of tenders to any late date. If it is decided to extend the time for submission of tenders all prospective Tenderers to whom tender documents have been issued will be promptly notified

## **2.14 DEADLINE FOR SUBMISSION OF BIDS**

With the COVID-19 Pandemic still prevalent, only soft copies of the Tender Bids to be submitted. These should be uploaded to the EFL Tender Platform and must be received by the EFL no later than 1600 hours (Fiji Time) Wednesday 08/02/23.

The Employer may, at its discretion, extend the deadline for submission of bids by issuing an addendum in accordance with Clause 1.4, in which case all rights and obligations of the Employer and the bidders previously subject to the original deadline will thereafter be subject to the deadlines extended.

## **2.15 TENDER EVALUATION**

After a preliminary analysis to ascertain whether or not the tender is in accordance with the requirements of the tender documents each tender will be considered with particular reference to its eligibility as being a manufacturer, offer testing facilities in its workshop, price, completion date, design capability, evidence of past performance on contracts of a similar nature, supply of reliable quality

equipment and all other matters affecting the Tenderers ability to complete the Contract in accordance with the Authority's requirements.

## **2.16 ADJUSTMENT OF ERRORS**

The Authority reserves the right to adjust arithmetical or other errors in the Tender. Any adjustments made by the Authority to a Tender will be stated to the Tenderer prior to acceptance of the Tender. In the event of discrepancies appearing between words and figures in the Tender, the words shall prevail.

## **2.17 ACCEPTANCE OF TENDERS**

The Authority shall not be bound to accept the lowest or any tender not to assign any reason for the rejection of a tender and reserves the right to waive any informality in a tender. No tender shall be deemed to have been accepted unless such acceptance is notified to the Tenderer by notice in writing either by handing such notice to the representative of the successful Tenderer or by sending such notice by e-mail, facsimile or airmail post. Such notice shall include any essential identifying details of the tender. The date of acceptance of Tender shall be the date on which the above mentioned notice is given or posted or e-mailed.

## **2.18 LANGUAGE OF TENDER**

All Tenders together with any documents submitted by the Tenderer as part of any Tender shall be written in the English language.

## **2.19 PAYMENT SCHEDULE**

The contract shall be on a lump sum fixed price basis. The payment schedule will be broken down as follows:

- a) 95% upon receipt of goods by EFL.
- b) 5% upon expiry of the warranty period (12 months from receipt of the goods)

## **2.20 CONDITIONS OF CONTRACT**

The Conditions of Contract shall be the AS/NZS 4911:2003 - General Conditions of Contract for the Supply of Equipment without Installation.

## **2.21 INSURANCE**

The contractor is to confirm that they have in effect the insurance policies below:

1. Public and Products Liability Insurance
2. Industrial Special Risk Insurance
3. Insurance for Workmen's Compensation

# **3.0 GENERAL SPECIFICATIONS**

## **3.1 SCOPE OF BID**

The Energy Fiji Limited (hereinafter referred to as "the Employer"), wishes to receive bids for the Supply of;

**SCOPE A** – is the supply of Two (2) Units 415V air circuit breaker for EFL's **Cummins QSK60-G4 sets** and must be packed and shipped to EFL Lautoka Depot (CFR) and needs to consists of the following: In remote and local mode of operation, the closing and opening of the existing Air Circuit Breaker is controlled by the Power Command Control 3.0 (PCC3201) mounted on each generator

sets. The PCC3 also do breaker diagnostic which includes Fail to Close, Fail to Open, Fail to Disconnect and Tripped. The Circuit Breakers should be supplied with the latest Micro Logic Control/Protection unit

**SCOPE B** – is the supply of Two (2) Units 415V air circuit breaker for **EFL’s New Kinoya Power Station** and must be packed and shipped to EFL Lautoka Depot (CFR) and needs to consists of the following: In remote and local mode of operation, the closing and opening of the existing Air Circuit breaker is controlled from the power station control room, local control panels at LV switchgear room and fuel treatment house control panels including breaker diagnostic which includes Fail to Close, Fail to Open, Fail to Disconnect and Tripped. The Circuit Breakers should be supplied with the latest Micro Logic Control/Protection unit – SACE PR121/P

### 3.2 SCOPE A – SUPPLY OF TWO (2) UNITS 415V AIR CIRCUIT BREAKER FOR EFL’S CUMMINS QSK60-G4 SETS

#### 3.2.1 TECHNICAL PARTICULARS OF CUMMINS QSK60-G4 AIR CIRCUIT BREAKER

No.	Air Circuit Breaker (QSK60-G4)	Data/Units
1	Brand	Schneider Electric
2	Range of product	Masterpact ( <i>Prefer NW</i> )
3	Number of poles	3
4	Rated voltage/Network type	415V / AC
5	Breaking capacity code	H2
6	Standard	IEC 60947-2
7	Network frequency	50Hz
8	Control type	Push-button
9	Mounting mode	Withdrawable
10	Rated current	3200A
11	Rated insulation voltage	1000Vac 50Hz conforming to IEC 60947-2
12	Rated impulse withstand voltage	12kV conforming to IEC 60947-2
	<b>Micrologic Control Unit</b>	
13	Ammeter	6.0A
14	Long time rating LR	0.4 to 1
	<b>Main Terminal Connection</b>	
15	Top connection	Vertical
16	Bottom connection	Vertical
	<b>Indication Contacts OF- On/OFF</b>	
17	1 block of 4 OF for NW Max-2	1 Set
	<b>EF- connected/closed contact</b>	
18	1 EF 6A-249vac for NW Max-8	1 set
	<b>SDE Fault Trip indication contact</b>	
19	1 SDE 6A-240vac	1 set
	<b>Remote operation</b>	
20	MCH-gear motor voltage	200-240VAC
21	XF-closing voltage release	24VDC
22	MX-opening voltage release	24VDC
23	MN-under-voltage release	380-480VAC
24	PF-ready to close contact	6A-240VAC

### 3.3 SCOPE B – SUPPLY OF TWO (2) UNITS 415V AIR CIRCUIT BREAKER FOR EFL'S NEW KINOYA POWER STATION

The two Circuit breakers to be supplied for the New Kinoya Power Station has different current ratings:

1. ABB SACE Emax (1000Amp) Air Circuit Breaker
2. ABB SACE Emax (2500Amp) Air Circuit Breaker

#### 3.3.1 TECHNICAL PARTICULARS OF AIR CIRCUIT BREAKER – ABB SACE Emax (1000Amp)

No.	Part Name	Description
1	AOW1-ACBE2N10-3P-0620D-001-50KA	Fixed Part –E2WFPHR3N
2	PC5/E1-6	Position Indicator Contact
3	<b>E2N10WMP3PR121LSI</b>	Air Circuit Breaker
4	M100-130V/E1-6	Spring Charging Motor
5	YC110-115V/E1-6	Closing Release
6	YO110-115V/E1-6	Shunt Release
7	YU110-115VE1-6	Under voltage Release
8	SR/E1-6	Alarm Contact
9	PBS/E1-6	Push Button Cover
10	Mounting mode	Withdrawable Type
11	Rated current -In	1000A
12	Ue (V)	415V
13	Icu (kA)	65
14	Ics (kA)	65
15	cat.b	50-60Hz
16	<b>IEC 60947-2</b>	Made in Italy by ABB SACE
17	Icw(1s)	55kA
18	Uimp	12kV
19	<b>M 100/130V DC-AC E1/6-T8</b>	
20	<b>Aux:</b>	3A 400V A.C
21	<b>Year of Manufacture</b>	

#### 3.3.2 TECHNICAL PARTICULARS OF AIR CIRCUIT BREAKER – ABB SACE Emax (2500Amp)

No.	Part Name	Description
1	AOW1-ACBE3N25-3P-0620D-001-50KA	Fixed Part –E3WFPHR3N
2	<b>E3N25WMP3PR121LSI</b>	Air Circuit Breaker
3	M100-130V/E1-6	Spring Charging Motor
4	YC110-115V/E1-6	Closing Release
5	YO110-115V/E1-6	Shunt Release
6	YU110-115VE1-6	Under voltage Release
7	SR/E1-6	Alarm Contact
8	PBS/E1-6	Push Button Cover
9	Mounting Mode	Withdrawable Type
10	Rated Current -In	2500A
11	Ue (V)	415 V
12	I cu (kA)	65
13	I cs (kA)	65
14	cat.b	50-60Hz
15	<b>IEC 60947-2</b>	Made in Italy by ABB SACE
16	Icw(1s)	55kA
17	Uimp	12kV
18	<b>M 100/130V DC-AC E1/6-T8</b>	
19	<b>Aux:</b>	3A 400V A.C
20	<b>Year of Manufacture</b>	



### **3.3.3 TECHNICAL LITERATURE**

Bidders shall furnish all technical literature, including catalogues, test certificate etc. in support of plant and equipment offered by him with the tender.

Successful contractor shall forward 2 (two) sets of bounded hard copies of all operations and maintenance manuals, spare parts catalogues, detailed schematic and wiring and all other documents required for satisfactory operation and maintenance of plant.

### **3.3.4 QUALITY OF MATERIALS AND WORKMANSHIP**

All plant supplied by the company under this contract shall be new and of the high quality class and most suitable for working under the conditions specified and shall withstand the variations of temperature, atmospheric conditions arising under working conditions without distortion or deterioration or the setting up of undue stresses in any part and also without affecting the strength and suitability of the various parts of the work which they have to perform.

## **3.4 STANDARDS**

IEC, IEEE and AS/NZS Standard are to be adopted in general. Any other national or international standard may be used if such standards are not less exacting than corresponding IEC Standard. In such an instance a copy of the relevant standard should be forward. The work shall be in accordance with the following standards.

- AS/NZS 3191 - Low voltage switchgear and control gear (all relevant parts)
- IEC 60529 - Degrees of Ingressive protection.
- IEC 60909 - Short-circuit current calculation in three phase Ac system.
- IEC 60934 - Circuit breakers for equipment.
- IEC 60947-2 - Low voltage switchgear and control gear.

### **3.4.1 PACKING**

The plants and accessories shall be carefully packed for transport and shipment in such a manner that it is protected from all dust and climatic conditions during loading, transport, unloading and subsequent storage in the open area

### **3.4.2 WARRANTY**

The Contractor shall provide warranty for plant supplied for a Period of Twenty four [24] months after delivery of the equipment

## **3.5 BID DOCUMENT**

### **3.5.1 COST OF BIDDING**

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

### **3.5.2 BID PRICE**

Unless specified otherwise in Employer's Requirements, Bidders shall quote for the entire facilities on a "single responsibility" basis such that the total bid price covers all the Contractor'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) and delivery of the facilities. This

includes all requirements under the Contractor's responsibilities for testing the facilities and, where so required by the bidding documents, the acquisition of all permits, approvals and licenses, etc.

Bidders shall give a breakdown of the prices in the manner and detail called for in the Schedules of prices.

Prices quoted by the bidder shall be on a fixed lump sum basis and shall not be adjusted for changes in the cost of material or other matters.

For Overseas Suppliers, bids shall be given on Cost Insurance Freight (CFR) or Delivery at Place (DAP) basis. The point of delivery shall be Suva/Lautoka port for sea or Nadi Airport for Air. The term CFR and DAP 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. Stated otherwise with validation.

### **3.5.3 BID VALIDITY**

Bids shall remain valid for a period of 90 days after the date of opening of technical proposals.

## **3.6 SUBMISSION OF BIDS**

### **3.6.1 SEALING AND MARKING OF BIDS**

***Only Electronic Tender Bids will be accepted and should be uploaded in the EFL Tender site***

### **3.6.2 DEADLINE FOR SUBMISSION OF BIDS**

***Only Electronic Tender Bids will be accepted and should be uploaded in the EFL Tender site as per above Tender Link no later than 1600 hours (Fiji Time) on Wednesday, 08<sup>th</sup> February, 2023.***

### **3.6.3 LATE BIDS**

Any bid received by the Employer after the deadline for submission of bids prescribed in Clause 3.6.2 will be rejected.

## **3.7 EXPLANATIONS**

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:

Jitendra Reddy  
Manager Procurement, Inventory & Supply Chain  
2 Marlow Street,  
Suva, Fiji  
Phone: +679 3224 360  
Email: [tenders@efl.com.fj](mailto:tenders@efl.com.fj)

EFL will respond to any request for clarification which it receives earlier than 5 days prior to the deadline for submission of bids

### **3.8 CONTRACTORS REQUIREMENT**

**3.8.1 Completed Tender Form 1 – Letter of Tender**

**3.8.2 Completed Tender Form 2 - Price Breakdown Schedule**

**3.8.3 Completed Tender Form 3 – Statement of Conformance**

### **3.9 SITE VISIT**

Site Visit is not required

### 3.10 TENDER FORM 1 – LETTER OF TENDER

**Name of Contract:** 1. SUPPLY OF TWO (2) UNITS 415V AIR CIRCUIT BREAKERS FOR EFL'S QSK60-G4 GENERATORS

2. SUPPLY OF TWO (2) UNITS 415V AIR CIRCUIT BREAKERS FOR EFL'S NEW KINOYA POWER STATION

**Contract No. MR 17/2023**

Tender To: Energy Fiji Limited  
2 Marlow St  
Private Mail Bag  
Suva  
Republic of the Fiji Islands

1. This tender is made by \_\_\_\_\_  
*[Insert full name and registered address of tenderer].*

2. Capitalized terms used in this letter have the meaning given to them in the Instructions to tenderers dated [*insert date*] ("**Instructions**") unless otherwise defined.

3. Having examined and understood the Tender Documents relating to the Works (including the Instructions and all documents attached thereto we, the undersigned, hereby offer to manufacture, test and deliver the equipment in conformity with the said documents for the sum of:

.....  
....., (\$.....),

Exclusive of VAT, WHT or such other sum as may be ascertained in accordance with the Contract.

4. This offer is made on the terms and conditions set out in this Tender and the Instructions.

5. We attach the following documents which form part of this tender:

- (a) Completed tender forms;
- (b) Technical description of the plant offered;
- (c) Any supplementary information;

6. We agree to abide by this Tender for a period of 60 days after the Tender Closing Date and that this tender it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.

7. We confirm that you may rely upon all statements made by us in response to the Instructions or in subsequent correspondence, discussions or negotiations with you.

8. We certify that:

- (a) The entry into, and performance of the obligations under, the Contract by us will not violate any laws provided that you obtain all consents and authorisations you are required to obtain under the Contract;
- (b) We have corporate power to enter into and perform our obligations under the Contract and we have taken all necessary corporate action to authorise the entry into, and execution of, this offer and (if required) entry into, and execution of, the Contract;
- (c) The rates and prices in our offer have been arrived at independently, without consultation or agreement with any other tenderer; and
- (d) No attempt has been made, nor will be made, by us to influence any other tenderer to submit or not submit a tender or to alter the proposed content of that tenderer's tender.

9. We acknowledge that this tender, and any contract arising upon its acceptance, shall

be governed by and construed in accordance with the laws of The Fiji Islands.

10. Unless and until a formal agreement is prepared and executed, this Letter of Tender, together with your written acceptance thereof, shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest or any tender you may receive.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 2023

Signature \_\_\_\_\_ in the capacity of \_\_\_\_\_

duly authorized to sign Tenders for and on behalf of: \_\_\_\_\_

Witness \_\_\_\_\_

Address \_\_\_\_\_

Occupation \_\_\_\_\_

Guaranteed time from date of Purchase Order issuance to arrival in EFL Lautoka Stores  
\_\_\_\_\_ (Days).

Signature .....  
Name .....  
Position .....  
Company .....  
Address .....  
Date .....

### 3.11 TENDER FORM 2 – TENDER PRICE AND PRICE BREAKDOWN

1. SUPPLY OF TWO (2) UNITS 415V AIR CIRCUIT BREAKERS FOR EFL'S QSK60-G4 GENERATORS
2. SUPPLY OF TWO (2) UNITS 415V AIR CIRCUIT BREAKERS FOR EFL'S NEW KINOYA POWER STATION

ITEM NO.	PARTS DESCRIPTION	QTY	UNIT PRICE	TOTAL
1	Air Circuit Breaker, Masterpact NW, 415V, 3200A, 50Hz, 3 Poles, Withdrawable Type, With Micrologic 6.0A Cummins QSK60-G4	2		
2	Air Circuit Breaker, E2N10WMP3PR121LSI(1000A) Withdrawable Type , 3 phase – 415V	1		
3	Air Circuit Breaker, E3N25WMP3PR121LSI (2500A) Withdrawable Type,3phase – 415V	1		
4	Air Freight Charges	1		
	<b>CFR INTERCOM TERMS – NADI AIRPORT, FIJI</b>			
	<b>LOCAL BIDDERS – TO BID VIP FJD PRICE INCLUSIVE OF ALL IMPORT DUTIES</b>			

### 3.12 TENDER FORM 3 – TECHNICAL DETAILS

#### SCOPE A - SUPPLY OF TWO (2) UNITS 415V AIR CIRCUIT BREAKERS FOR EFL'S QSK60-G4 GENERATORS

Item	Purchaser requirements	Vendor's information
Circuit breaker name	Masterpact (Prefer NW)	
Number of poles	3	
Rated Voltage / Network type	415V / AC	
Breaking capacity code	H2	
Standard	IEC 60947-2	
Network frequency	50Hz	
Control type	Push-button	
Mounting mode	Withdrawable	
Rated current	3200A	
Rated insulation voltage	1000Vac 50Hz conforming to IEC 60947-2	
Rated impulse withstand voltage	12kV conforming to IEC 60947-2	
<b>Micrologic Control Unit</b>		
Ammeter	6.0A	
Long-time rating LR	0.4 to 1	
<b>Main Terminal Connection</b>		
Top connection	Vertical	
Bottom connection	Vertical	
<b>Indication Contacts OF- On/OFF</b>		
1 block of 4 OF for NW Max-2	1 Set	
<b>EF- connected/closed contact</b>		
1 EF 6A-249vac for NW Max-8	1 set	
<b>SDE Fault Trip indication contact</b>		
1 SDE 6A-240vac	1 set	

<b>Remote operation</b>		
MCH-gear motor voltage	200-240vac	
XF-closing voltage release	24vdc	
MX-opening voltage release	24vdc	
MN-under-voltage release	380-480vac	
PF-ready to close contact	6A-240vac	

**SCOPE B - SUPPLY OF TWO (2) UNITS 415V AIR CIRCUIT BREAKERS FOR EFL'S NEW KINOYA POWER STATION**

**TECHNICAL PARTICULARS OF AIR CIRCUIT BREAKER – ABB SACE Emax (1000Amp)**

<b>Part Name</b>	<b>Purchaser Requirements</b>	<b>Vendor's Information</b>
AOW1-ACBE2N10-3P-0620D-001-50KA	Fixed Part –E2WFPHR3N	
PC5/E1-6	Position Indicator Contact	
<b>E2N10WMP3PR121LSI</b>	Air Circuit Breaker	
M100-130V/E1-6	Spring Charging Motor	
YC110-115V/E1-6	Closing Release	
YO110-115V/E1-6	Shunt Release	
YU110-115VE1-6	Under voltage Release	
SR/E1-6	Alarm Contact	
PBS/E1-6	Push Button Cover	
Mounting mode	Withdrawable Type	
Rated current -In	1000A	
Ue (V)	415V	
Icu (kA)	65	
Ics (kA)	65	
cat.b	50-60Hz	
<b>IEC 60947-2</b>	Made in Italy by ABB SACE	
Icw(1s)	55kA	
Uimp	12kV	
<b>M 100/130V DC-AC E1/6-T8</b>		
<b>Aux:</b>	3A 400V A.C	
<b>Year of Manufacture</b>		

**TECHNICAL PARTICULARS OF AIR CIRCUIT BREAKER – ABB SACE Emax (2500Amp)**

<b>Part Name</b>	<b>Purchaser Requirements</b>	<b>Vendor's Information</b>
AOW1-ACBE3N25-3P-0620D-001-50KA	Fixed Part –E3WFPHR3N	
<b>E3N25WMP3PR121LSI</b>	Air Circuit Breaker	
M100-130V/E1-6	Spring Charging Motor	
YC110-115V/E1-6	Closing Release	
YO110-115V/E1-6	Shunt Release	
YU110-115VE1-6	Under voltage Release	



SR/E1-6	Alarm Contact	
PBS/E1-6	Push Button Cover	
Mounting Mode	Withdrawable Type	
Rated Current -In	2500A	
Ue (V)	415 V	
I cu (kA)	65	
I cs (kA)	65	
cat.b	50-60Hz	
<b>IEC 60947-2</b>	Made in Italy by ABB SACE	
Icw(1s)	55kA	
Uimp	12kV	
<b>M 100/130V DC-AC E1/6-T8</b>		
<b>Aux:</b>	3A 400V A.C	
<b>Year of Manufacture</b>		

**Tenderers shall provide catalogue information on the proposed material and accessories.**

**3.13 TENDER FORM 4 – STATEMENT OF CONFORMANCE**

We have read and understood the Tender documentation for the Scope of Supply and Contract, and confirm that:

Tick 1 Box as Applicable

Our Tender is in full compliance with the requirements and we have no exceptions to note.

Our Tender does not fully comply with the requirements. The following exceptions apply:

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

Signature .....

Name .....

Position .....

Company .....

.....

Address .....

.....

Date .....

**B) Contractor’s Tender Bid Documents dated**

*(The original Contractor Documents will be physically inserted here)*

## TENDER CHECKLIST

***The Bidders must ensure that the details and documentation mention below must be submitted as part of their tender Bid***

Tender Number \_\_\_\_\_

Tender Name \_\_\_\_\_

1. Full Company / Business Name: \_\_\_\_\_

**(Attach copy of Registration Certificate)**

2. Director/Owner(s): \_\_\_\_\_

3. Postal Address: \_\_\_\_\_

4. Phone Contact: \_\_\_\_\_

5. Fax Number: \_\_\_\_\_

6. Email address: \_\_\_\_\_

7. Office Location: \_\_\_\_\_

8. TIN Number: \_\_\_\_\_

**(Attach copy of the VAT/TIN Registration Certificate - Local Bidders Only (Mandatory))**

9. FNPF Employer Registration Number: \_\_\_\_\_ **(For Local Bidders only) (Mandatory)**

10. **Provide a copy of Valid FNPF Compliance Certificate (Mandatory- Local Bidders only)**

11. **Provide a copy of Valid FRCS (Tax) Compliance Certificate (Mandatory Local Bidders only)**

12. **Provide a copy of Valid FNU Compliance Certificate (Mandatory Local Bidders only)**

13. Contact Person: \_\_\_\_\_

I declare that all the above information is correct.

Name: \_\_\_\_\_

Position: \_\_\_\_\_

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

## **Tender submission**

Bidders are requested to upload electronic copies via Tender Link by registering their interest at: <https://www.tenderlink.com/efl>

**EFL will not accept any hard copy submission to be dropped in the tender box at EFL Head Office in Suva.**

**This tender closes at 4.00pm (1600hrs) on Wednesday 08<sup>th</sup> February, 2023.**

For further information or clarification please contact our Supply Chain Office on phone (+679) 3224360 or (+679) 9992400 or email us on [tenders@efl.com.fj](mailto:tenders@efl.com.fj)

**The bidders must ensure that their bid is inclusive of all Taxes payable under Fiji Income Tax Act. Bidders are to clearly state the percentage of VAT that is applicable to the bid prices.**

The lowest bid will not necessarily be accepted as the successful bid.

**The Tender Bids particularly the “Price” must be typed and not hand written.**

**Any request for the extension of the closing date must be addressed to EFL in writing three (3) working days prior to the tender closing date.**

**Tender Submission via email or fax will not be accepted.**