



# FIJI ELECTRICITY AUTHORITY

## Transmission Unit

2 Marlow Street, Suva

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### MR 124/2015

### Supply of Chainsaws and Pruners

#### TENDER DOCUMENT AND SPECIFICATIONS

The Fiji Electricity Authority invites sealed tenders from reputable companies with the relevant experience, for the Supply of Chain Saws and Pruners.

1. The chain saw shall be used for jobs such as tree felling, logging, bucking, pruning to fell snags and assist in cutting vegetation near FEA Power lines.
2. The pruner shall be used for the purpose of putting high trimming jobs within reach, giving one the power and precision to trim once inaccessible tree branches down to size.
3. The Chain Saws and Pruners should have a balanced weight with a smooth cutting operation.
4. The Chain Saws and Pruners should also be easy to operate, easy to carry as well as maintain.
5. The model no. brand/make and country of origin and evidence of service and storage life shall be clearly stated for the chainsaw and pruner.
6. The Chain Saws and Pruners should consist of a low-emission, fuel – efficient engine.
7. All bidders shall cite relevant AS/NZS, IEC, IEEE, ANSI standards and submit relevant documents proving and validating the compliance of the products in their bids with the relevant standards.

#### TECHNICAL SPECIFICATIONS FOR PRUNER

##### 1) Standards Applicable for this Tender

The equipment shall be designed, manufactured and tested in accordance with the requirements for the following Standards.

STANDARD	TITLE
IEC 68-2/ IS 9000	Basic environmental testing procedures covering shock, bump and vibration test
ANSI B175.1	ANSI/OPEI B175.1 - 2012 American National Standard for Internal Combustion Engine-Powered Handheld Chain Saws -Safety and Environmental Requirements
IEC/EN 60204-1	Electrical equipment of machines—Pt. 1 General requirements

**Note: Bidders shall demonstrate/submit proof of the product's compliance of the aforementioned standards.**



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### 2) Manufacturer's Qualification

The manufacturer shall be ISO 9001-2000 certified and shall have sufficient supply and manufacturing experience of Chain Saw and Pruner for at least ten (10) years for the required work specifications. As proof, the manufacturer shall submit a supply-list indicating type of Chain Saw and Pruner, quantity supplied, name of client and the year of delivery. Certificates from customers with satisfactory usage may be provided with the supply record. Only those Chain Saw and Pruner shall be considered, for which a minimum 5 years manufacturing and successful service experience is available, without change of basic design and material.

### 3) Design and Material Requirements

#### I. Chain Saws

##### A. 16" Chain Saw - Identical or exceeding the following requirements:

		Husqvarna 435 Professional Chain Saw-16"	Stihl MS181- Chain Saw-16"
1	Cylinder displacement	40.9cc	31.8cc
2	Power output	2.2hp	1.9hp
3	Fuel tank volume	370ml	250ml
4	Idling speed	2900rpm	2800rpm
5	Sparkplug	ChampionRCJ7Y,NGKBPMP7A, HusqvarnaHQT-1	Bosch Sparkling BPMP7ANAK
6	Oil tank volume	236.6ml	145ml
7	Oil pump type	Fixed flow	Fixed Flow
8	Equivalent vibration level Front/Rear handle	2.5/3.2m/s <sup>2</sup>	6.6/7.8 m/s <sup>2</sup>
9	Sound pressure level at operators ear	102dB(A)	100dB(A)
10	Sound power level, guaranteed(LWA)	114dB(A)	112dB(A)
11	Chain pitch	.325"	3/8"
12	Chain speed at 133% of maximum engine power speed	23m/s	26m/s
13	Chain gauge	0.05"	0.169"



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14	Weight	4.17kg	4.3kg
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**Note:** Specific citation of Stihl and Husqvarna products have been given for examples only to demonstrate technically compliant products. FEA holds no preference for these products over other brands or manufacturer or model.

### B. 18" Chain Saw - Identical or exceeding the following requirements:

		Husqvarna 365 Professional Chain Saw-18"	Stihl MS461- Chain Saw-18"
1	Cylinder displacement	70.7cc	76.5cc
2	Power output	4.83hp	6hp
3	Maximum power speed	10200rpm	13500rpm
4	Fuel tank volume	770.1ml	800ml
5	Idling speed	2700rpm	2500rpm
6	Sparkplug	Champion RCJ7Y,NGKBPMP7A	Bosch Sparkling BPMR7ANAK
7	Oil tank volume	421.13ml	325ml
8	Oil pump type	Automatic	Durable/Adjustable
9	Equivalent vibration level Front/Rear handle	4/5.4 m/s <sup>2</sup>	4/3.8 m/s <sup>2</sup>
10	Sound pressure level a to operators ear	110dB(A)	105dB(A)
11	Sound power level, guaranteed(LWA)	119dB(A)	117dB(A)
12	Chain pitch	3/8"	3/8"
13	Chain speed at max power	22.7m/s	26m/s
14	Chain gauge	0.058"	0.25"
15	Weight	6.4kg	6.7kg

**Note:** Specific citation of Stihl and Husqvarna products have been given for examples only to demonstrate technically compliant products. FEA holds no preference for these products over other brands or manufacturer or model.



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**C. 24" Chain Saw - Identical or exceeding the following requirements:**

		Husqvarna 372XP Professional Chain Saw-24"	Stihl MS660- Chain Saw-24"
1	Cylinder displacement	70.7cc	91.6cc
2	Power output	5.3hp	7.1hp
3	Maximum power speed	9600rpm	13000rpm
4	Fuel tank volume	770ml	825ml
5	Idling speed	2700rpm	2500rpm
6	Sparkplug	ChampionRCJ7Y,NGKBPMR7A	Bosch Sparkling BPMR7ANAK
7	Oil tank volume	397.5ml	360ml
8	Oil pump type	Automatic	Durable/Adjustable
9	Equivalent vibration level Front/Rear handle	3.5/4.6 m/s <sup>2</sup>	4.1/5.9 m/s <sup>2</sup>
10	Sound pressure level at operators ear	103dB(A)	101dB(A)
11	Sound power level guaranteed(LWA)	115dB(A)	109dB(A)
12	Chain pitch	3/8"	3/8"
13	Chain speed at max power	21.4m/s	27.5m/s
14	Chain gauge	0.058"	0.24"
15	Weight	6.07kg	7.3kg

**Note: Specific citation of Stihl and Husqvarna products have been given for examples only to demonstrate technically compliant products. FEA holds no preference for these products over other brands or manufacturer or model.**



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### II. Pruners

#### A. 12" Pruner - Identical or exceeding the following requirements:

		Husqvarna 327PT5S Pole Pruner - 12"	Stihl HT-75 Pole Pruner - 12"
1	Max Height to which the branches can be cut using the Telescopic Shaft	4m	5m
2	Displacement cc	25cc	25.4
3	Power output kW	0.895	0.95
4	Weight kg	7.29kg	7.3
5	Chain pitch	3/8"	3/8"
6	Standard Guide Bar cm	12"	12"
7	Maximum RPM	8400rpm	10250rpm
8	Sound Level (dB)	105	98

**Note: Specific citation of Stihl and Husqvarna products have been given for examples only to demonstrate technically compliant products. FEA holds no preference for these products over other brands or manufacturer or model.**

#### 4) Experience Evaluation

For evaluation of manufacturer's qualifications, the manufacturer must submit a reference list showing supply experience for supply of Chain Saw and Pruner. In addition, if any in-service failure due to the quality of the equipment has been experienced, the manufacturer should submit the information on the failures including the cause of the failures and the counter consequences taken.

#### 5) Prices and Quantity Required

Prices shall be quoted in Fijian Dollar Currency, inclusive of all taxes, customs, clearance charges, and duties payable in Fiji and for delivery to **FEA's Kinoya Depot in Suva.**



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SCHEDULE OF QUANTITIES AND BIDDER'S PRICES				
No.	Equipment Type	Quantity	BIDDER'S UNIT PRICE (VIP) (Including Delivery to FEA Kinoya Depot)	BIDDER'S LUMP SUM PRICE (VIP) (Including Delivery to FEA Kinoya Depot)
1	Chain Saw 16"	6		
2	Chain Saw 18"	7		
3	Chain Saw 24"	3		
4	Pole Pruner 12"	7		
5	Pole Pruner 12"	5		
<b>Total VIP</b>				

Bidders to utilize the above table to submit prices

Prices shall be valid for at least 90 calendar days, from the closing date of this tender.

### 6) Packaging

The Chain Saw and Pruner shall be securely and effectively packaged in prefabricated packaging that has sufficient strength for normal handling and durability for long – term indoor storage.

### 7) Duration of Production and Delivery

The FEA requires the delivery of Chain Saws and Pruners by the **30<sup>th</sup> September 2015**. Bidders shall clearly indicate the duration of production and shipping (if applicable).

### 8) Payment Terms

FEA's standard 30 days payment policy upon delivery of goods and services applies. Bidder's to explicitly note all exceptions and/or reservations to the same if any.



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### SUBMISSION OF BID DOCUMENTS

**Two (2) hard copies** of the tender bids in sealed envelope shall be deposited in the tender box located at the Supply Chain Office at the FEA Head Office, 2 Marlow Street, Suva, Fiji.

**Courier charges for delivery of Tender Document must be paid by the bidders.**

**This tender closes at 4:00pm, on Wednesday 29<sup>th</sup> of July, 2015.**

Each tender shall be sealed in an envelope with:

The envelope bearing only the following marking:

**Tender- MR 124/2015 – Supply of Chainsaws and Pruners**

The Secretary, Tender Committee  
Fiji Electricity Authority

Supply Chain Office

Private Mail Bag, Suva

**It must also indicate the name and address of the tenderer on the reverse of the envelope.**

**All late tenders, unmarked envelopes and envelopes without bidder's name and address on the reverse will be returned to the Tenderers.**

For further information or clarification please contact our Supply Chain Office on phone **(+679) 3224360 or (+679) 9991587.**



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### TENDER SUBMISSION CHECK LIST

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

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

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

1. Full Company 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 Registration Certificate – Local Bidders Only)**
9. Company Registration Number: \_\_\_\_\_  
**(Attach copy of the Business License)**
10. FNPf Employer Registration Number: \_\_\_\_\_  
**(For Local Bidders only)**
11. Contact Person: \_\_\_\_\_

I declare that all the above information is correct.

Name: \_\_\_\_\_ Position: \_\_\_\_\_ Sign: \_\_\_\_\_

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