

**FIJI ELECTRICITY AUTHORITY**



**TENDER SPECIFICATIONS**

**TENDER**

**TENDER NO: MR 98/2017**

**Purchase of Scrap Materials from Fea Power stations**

## Purchase of Scrap Materials from Fea Power stations

### Tender Specifications

Fea invites potential bidders to submit bids for the purchase of scrap materials from Fea power stations across Fiji.

Examples of scrap across our power stations include old diesel generators, old pipes and tubes, beams, rotten tanks, old out of order workshop tools, old pistons, cylinder liners, crankshafts, camshafts, engine blocks etc.

Bidders are required to make site visits to stations listed below, see the amount and type of scrap material in each power station and submit a bid for purchase of the materials.

Central Division	Western Division	Northern Division
Kinoya Power Station	Navutu Depot	Labasa (Cawaira) Power Station
Rokobili Power station	Vuda Power Station	
Korovou Power station	Nadi Power Station	
Deuba Power station	Qeleloa Power Station	
	Rakiraki Power station	
	Sigatoka Power station	

The successful bidder will be responsible for:

1. Organizing all logistical details including providing transportation and cartage of scrap from site
2. Removing all specified scrap from site without hindering operations
3. As some equipment may be too large or too heavy to remove at once, it is upon the contractor to work around this issue – the scrap might need to be cut to pieces and then carried away.

#### Note:

- ❖ **Site visit to all power stations mentioned in the tender is necessary.**
- ❖ **After site visit the contractor will do pricing for each power station separately.**
- ❖ **A breakdown must be given for the total price per station in the tender bid.**
- ❖ **For small loose scraps such as pipes and tubes etc., a price according to the weight might be submitted.**
- ❖ **For bigger items such as generators, engine blocks, crankshafts, motors etc. bidder must place price per item and not the weight – however, approximate weight will be provided for purpose of estimating the right price.**

## Generalized list of scrap material currently sitting in Fea power stations across Fiji

- I. Please note that the lists below comprises only some of the major scraps in the stations mentioned, there is off course more material onsite. Hence site visit is necessary in order to see the exact amount of scrap available so that it can be priced accordingly.

Scrap List – Labasa Power Station		
	Scrap Items	Approx. Weight
1	G5 Engine & Parts	20 ton
2	G5 Alternator & Rotor	20 ton
3	Old 11KV Switchgear Panel	5 ton
4	Old Ruston Radiators	10 ton
5	Old Pipes and Auxiliary Parts	2 ton

Scrap list - Nadi Power Station			
	Items	Numbers	Approx. Weight
1	Exhaust Silencer	1	0.7 ton
2	Exhaust Stand	1	0.3 ton
3	Air Filters	70	210kg
4	Cooling Fans	2	400kg
5	Water Pump	3	45kg
6	Generators	4	32 ton
7	Switchgear	1	5 ton

Scrap list - Qeleloa Power Station			
	Items	Numbers	Approx. Weight
1	Cat Exhaust Manifold	1	0.7 ton

Scrap list - Navutu Power Station			
	Items	Numbers	Approx. Weight
1	Engine Block	2	4 ton
2	Cylinder Liners	40	1 ton
3	Roll door shutters	1	
4	Cat Radiator	1	300kg
5	Gen Container Window	4	

Scrap list – Rokobili Power Station			
	Items	Quantity	Approx. Weight
1	4" pipe ( L- shaped )	10 pcs	-
2	4" pipe short cut pieces	8pcs	-
3	2.5" pipes cut pieces	3pcs	-
4	6" pipes	4pcs	200kg
5	Welded metal piece	1pc	-
6	Metal body cover	1pc	-
7	Cummins Generator VT28	1set	2ton

Scrap list – Sigatoka Power Station		
	Items	Approx. Weight
1	Old lifting device	150kg
2	Yaw bearing x 2	500kg
3	Old fuel pipe line ( 2 length)x 2"	100kg
4	Old 8" pipe x 6mtr	300kg
5	old pipe on the pipe rack 3 length x 2"	100kg
6	cylinder head x2	200kg
7	Piston and conrod x 2	50kg

Scrap list - Vuda Power Station			
	Items	Numbers	Approx. Weight
1	Exhaust stack	1	1 ton
2	Radiators	14	10ton
3	Motors	8	3ton
4	Generator bed and sump	1	20ton

Scrap list - Kinoya Power Station		
	Items	Approx. Weight
1	Cylinder Liners and Pistons	20 ton
2	Centrifuge	4 ton
3	Miscellaneous	50 ton

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**Purchase of scrap material from FEA power stations**

Item	ITEM DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	Purchase of scrap materials – Central Division 1. Kinoya PS 2. Rokobili PS 3. Deuba PS 4. Korovou Ps		
2	Purchase of scrap material for Sigatoka PS		
3	Purchase of scrap material – Western Division 1. Navutu Depot 2. Vuda PS 3. Nadi PS 4. Qeleloa PS 5. Rakiraki PS		
4	Purchase of scrap material – Northern Division 1. Labasa (Cawaira) PS		
	<b>TOTAL (VEP)</b>		
	<b>VAT 9%</b>		
	<b>TOTAL (VIP)</b>		

**Notes:**

1. All Sub-contractors to be used for any part of the works are to be declared.
2. Pricing breakdown must be given for each power station – loose scrap to be priced weight wise, big heavier scrap to be priced item by item.
3. FEA financial terms are applicable for these works.
4. Site inspection is mandatory.

Pictures (Sigatoka PS) – only some pictures attached



**Pictures – Kinoya PS Gen Scrap – only some pictures attached**

**Basement & Back area:**



*Figure 1: Scrap at the back area 1*



*Figure 2: basement scrap 2: cylinder liners and pistons*



*Figure 3 : basement scrap 3*



*Figure 4: basement scrap 4: 3 phase grinder and 3 phase centrifuge*



Figure 5 : Back area scrap 5

**Old 33kV switch gear room:**



Figure 6 : Old 33kV switch gear room scrap 1





*Figure 7 : Old 33kV switch gear room scrap 2*



*Figure 8 : Old switch gear room scrap 3*



Figure 9 : Old switch gear room scrap 4



Figure 10 : Old switch gear room scrap 5

**Floor Area:**



*Figure 11: Motor control center panel*

**Outside:**



*Figure 12: Scrap at the side step*



*Figure 13: Scrap at the back of Power Station*



*Figure 14 : Scrap outside the Power station*

The photos above show scrap materials at some of our power stations. Site visit is necessary to gain a fair idea on the exact amount of scrap present on site.

## **Submission of Tender**

**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. 24/05/2017**

### **Site Visit:**

<b>Central Division – 03/05/17 – 9am</b>	
1. Kinoya Power Station	9am
2. Rokobili Power station	10am
3. Korovou Power station	Team leader central will confirm on the day
4. Deuba Power station	Team leader central will confirm on the day
<b>Sigatoka Power station – 05/05/17 – 10am</b>	
<b>Western Division – 09/05/17 – 9am</b>	
1. Navutu Depot	9am
2. Vuda Power Station	10am
3. Nadi Power Station	11.30am
4. Qeleloa Power Station	12.30pm
5. Rakiraki Power station	3pm
<b>Northern Division 11/05/17 – 10am</b>	
1. Labasa (Cawaira) Power Station	10am

**Site visits are listed above. Please note date and time. Team leaders of various stations will be facilitating the visit.**

Each tender shall be sealed in an envelope with:

The envelope bearing only the following marking:

**Tender- MR 98/2017 – Purchase of Scrap Materials from Fea Power stations**

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 of the envelope. (Bids via e-mail or fax will not be considered).**

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

