

# **FIJI ELECTRICITY AUTHORITY**



## **TENDER SPECIFICATIONS**

### **TENDER**

**TENDER NO: MR 152/2017**

**Upgrading of Yard Lights to LED Lamps at Rokobili  
Power Station**

### **Scope of Work – Upgrading of Yard lights to LED lamps at Rokobili Power Station**

Fiji Electricity Authority invites potential bidders to bid for the supply, installation and commissioning of a new LED pole lamps for the yard at FEA's Rokobili Power Station. The required lamps to have a power rating of 80 Watts and LED Ingress Protection of IP66 and IK10 rated for protection from dust and rain.

#### **Supply and Installation Specifications:**

1. Existing Yard lights to be removed and New LED lamps to be supplied for 13 pole with 2 lamps on each pole (total of 26 lamps).
2. LED lamps to be tested on ground before actual installation.
3. The lamps to be weatherproof and have an average lifespan around 35000 hours.
4. The lamps to be operated with the daylight sensor which is already available at site.
5. A thorough inspection of Yard lamps shall be conducted before commissioning.
6. All other required accessories and spares including bolts and nuts for commissioning purpose and also for mountings.

#### **Note:**

- The bidder shall provide information in the similar types of works.
- The quotes shall include commissioning spares, additional materials and furnish details of special tools/equipment's (cherry picker truck) required for commissioning of the Yard lights on site.
- Bidder shall furnish along with the technical bid all the list of commissioning spares.
- All removed materials to be left at Rokobili Power Station.
- Site inspection is **mandatory!**

## Appendix

View of the existing Yard lights at Rokobili Power Station.



## LED Street Light for 160-200W HID Replacement

Product Code	Kleio - 80
Nominal Wattage	80W
Maximum Current	AC 0.9A (max) DC 0.3A (max)
Luminous Flux	8,800lm - Regular Product 13,600lm - Available on Request Inventronic Driver with built-in 10kv protector available on request.
Fixture Dimension	576mm x 300mm x 107mm
Weight	7.5kg

## Dimension Diagram

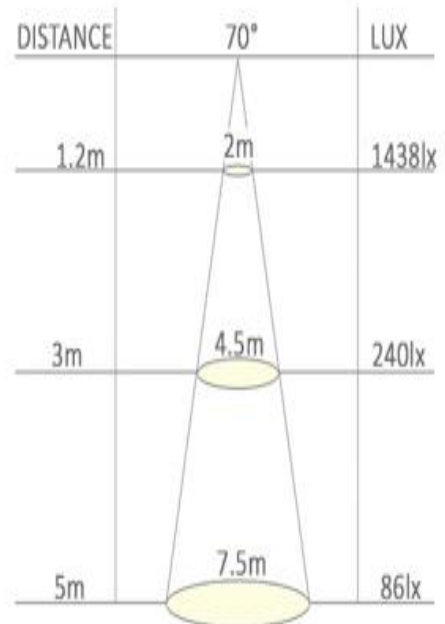
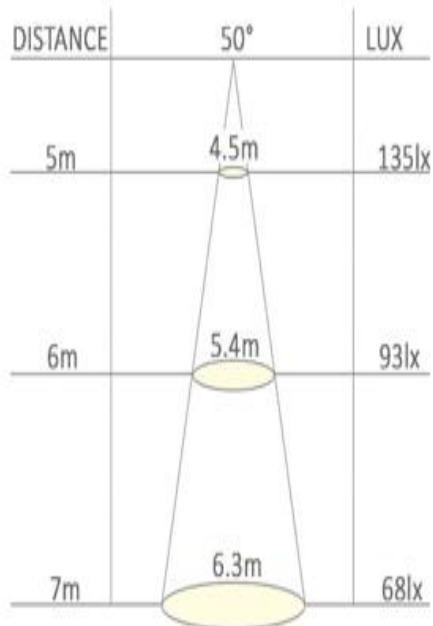
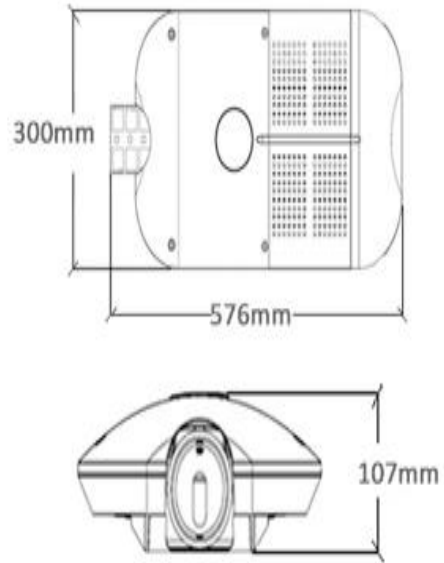


Figure 1 shows the dimensions of the LED lamp together with its projection range.


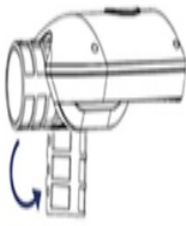
VOLTS	90-305VAC 50/60Hz input	CHIPS	-Philips Lumileds Luxeon Chip. -High lumens chip 160-170lm per watts available on request.	HOUSING	Anodized aluminum die cast housing is designed with heat radiation technique. Air can pass through the whole luminaire to maintain low temperature. Lens is made of PC.
OPERATING TEMP.	-40°C ~ +50°C				
Wattage available	40W/60W/80W/ 120W/160W/200W/ 240W/280W.	POWER FACTOR	>0.95		
		COLOUR	Daylight - 5700K 3000K & 4200K Available on request	FINISH	Black / white / silver / bronze
		CRI	>80	MOUNTING	 Installation spigot 60mm with 0-90° adjustment
		BEAM ANGLE	60° / 120° 60 x 150° / 70 x 150° 80 x 150° / 90 x 100°		
		INGRESS PROTECTION	IP66		
		IK RATING	IK10	CONTROL	Driver efficiency >93%. 1-10V/PWM/Resistance Dimming Option. Optical Control Function. Photocell & Timer option available. Intelligent Dali monitoring with wireless network available. Orsam, Tridonic & Meanwell control gear are available upon request.
		SOURCE LIFE	80000 hours, 62000 hours - L70 @25°C		

Figure 2 shows the operating temperature, housing, mounting and control of the LED lamps.

**Upgrading of Yard lights at Rokobili Power Station**

Item	ITEM DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	Materials cost		
2	Removal and Installation costs		
3	Transportation of equipment and materials to site		
	<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. FEA financial terms are applicable for these works.
3. Site inspection is mandatory.
5. Contractor shall abide by all local and statutory laws and requirements, such as OHS etc.
6. The site shall be left in a neat and tidy condition after the completion of the works.
7. Contractor to provide timeline for project completion

## **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 4:00 p.m. (16.00hrs Fiji time) on Wednesday 12<sup>th</sup> July, 2017**

**Site Visit: FEA's Rokobili Power Station at 11.00 am on Thursday 29<sup>th</sup> June, 2017**

Each tender shall be sealed in an envelope with:

The envelope bearing only the following marking:

**TENDER No. MR 152/2017**

**Upgrading of Yard Lights at FEA's Rokobili Power Station**

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 on the envelope will be returned to the Tenderers unopened. (Bids via e-mail or fax will not be considered).**

**The bidders must ensure that their bid is inclusive of all Taxes payable under Fiji Income Tax Act and must have the most current Tax Compliance Certificate.**

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