

## **Objective**

---

To gather pricing information on materials and labour needed to construct a small maize dryer.

## **Important**

---

The "real" prices are needed. The dryer is currently being made in Kenya, if we get inflated prices we will just import it from Kenya.

## **Methodology**

---

### Metals

Metal Vendors: Get quotes from three vendors

Metal Fabricators: Get quotes from two fabricators (metal only)

### Motor

Get five quotes from various sellers

### Hardware Items

Get quote from two hardware vendors

### Fabric

Get quote from three vendors

### Labour

Get quotes for daily rate per person from five metal fabricators

**Metals**

Item	Unit Price
14 Gauge Mild steel 4' x 8' sheet (Black sheet)	
18 Gauge Mild steel 4' x 8' sheet (Black sheet)	
1" x 1" x 1/8" Mild steel 20' angle iron	
10 mm Mild steel 40' round bar	
6 mm Mild steel 40' round bar	
1" x 1" 18 Gauge Mild steel 20' square tube	
3/4" x 3/4" x 18 Gauge Mild steel 20' square tube	
1 1/2" x 1 1/2" x 1/8" Mild steel 20' angle iron	
1 1/2" x 1/8" Mild steel 20' flat bar	
3/4" x 1/4" Mild steel 20' flat bar	
1/4" Galvanized steel coffee mesh (4) x 3' x 3'	
Heavy gauge weld mesh (4' x 8')	
3/4" bushes	
16 mm Mild steel 5' round bar	
2" Mild steel pipe 5'	
2" OD 1" ID washer	
1" Mild steel shaft	
3/4" x 1/8" Mild steel 20' flat bar	
2" x 1/4" Mild steel 20' flat bar	
18 Gauge Expanded Metal (4' x 8')	

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

Phone: \_\_\_\_\_

Location: \_\_\_\_\_

Metal Vendor or Fabricator? \_\_\_\_\_

**6.5 HP 4-STROKE single cylinder, air cooled petrol engine**

	Vendor Name	Price	Vendor Address/Location	Vendor Phone	Vendor Type
1					
2					
3					
4					
5					

**Hardware Items**

**If Only Sold in Packages >1**

<b>Fasteners</b>	<b>Price Each</b>	<b>Package Qty.</b>	<b>Package Price</b>
M 6 Hex Bolt - 10 mm			
M 6 Hex Jam Nut			
M 8 Hex Bolt - 20 mm			
M 8 Hex Nut			
M 8 Spring Washer			
M10 Hex Bolt - 25 mm			
M10 Hex Bolt - 35 mm			
M10 Hex Bolt - 60 mm			
M10 Hex Nut			
M10 Spring Washer			
M12 Hex Bolt - 25 mm			
M12 Hex Bolt - 35 mm			
M 12 Hex Nut			
M 12 Plain Washer			
M 12 Spring Washer			
M 20 Plain Washer			

**Pulleys**

4" Type A with a 20mm bore			
4" Type A with a 1" bore		Labour	
3" Type A with a 1" bore			Get quotes for

**Bearings**

F205 bearing block (1" shaft, 4 holes)			
P205 bearing block (1" shaft, 2 holes)			

**Consumables**

Welding Rods			
150°C Grease			
Hacksaw blades			
9" Grinder Cutting Disc			
9" Grinder Grinding Disc			
Paint Thinner - 1 liter			
Paint for Steel - 1 liter			

**Other**

70" Type A v-belt			
5mm Pop Rivets - 1/2" length			
Padlock			
4" Door Hinges (Heavy Gage)			
3" Door Hinges (Light Gage)			

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

Phone: \_\_\_\_\_

Location: \_\_\_\_\_

## Fabrics

### Quote 1

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

Phone: \_\_\_\_\_

Location: \_\_\_\_\_

	<u>if Sold by Length</u>		<u>if Sold by m2</u>
	Width (m)	Price/m	Price/m <sup>2</sup>
<b>Raincoat Material (thin &amp; lightweight)</b>			
<b>Canvas (heavy &amp; durable cotton)</b>			
<b>PVC Canvas (heavy &amp; totally water proof)</b>			

### Quote 2

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

Phone: \_\_\_\_\_

Location: \_\_\_\_\_

	<u>if Sold by Length</u>		<u>if Sold by m2</u>
	Width (m)	Price/m	Price/m <sup>2</sup>
<b>Raincoat Material (thin &amp; lightweight)</b>			
<b>Canvas (heavy &amp; durable cotton)</b>			
<b>PVC Canvas (heavy &amp; totally water proof)</b>			

### Quote 3

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

Phone: \_\_\_\_\_

Location: \_\_\_\_\_

	<u>if Sold by Length</u>		<u>if Sold by m2</u>
	Width (m)	Price/m	Price/m <sup>2</sup>
<b>Raincoat Material (thin &amp; lightweight)</b>			
<b>Canvas (heavy &amp; durable cotton)</b>			
<b>PVC Canvas (heavy &amp; totally water proof)</b>			

**Labour**

**Daily Rate Charged (per person) for a Skilled Metal Worker**

	<b>Vendor Name</b>	<b>Price/Day</b>	<b>Vendor Address/Location</b>	<b>Vendor Phone</b>
1				
2				
3				
4				
5				