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**QUOTATION FOR THE CONSTRUCTION AND INSTALLATION OF  
 CASSAVA FLOUR PROCESSING PLANT OF 2.5TONS/DAY**

1.	Industrial Stainless Steel Hammer mill of 2tons/hr:	
	• 3 mm Stainless Steel housing	
	• 25 HP electric motor	
	• U-Channel frame	
	• 2 nos Stainless Steel Sieves	N 650,000
2.	Hydraulic Press of 5 tons Capacity with:	
	• 5 HP hydraulic pump	
	• U-Channel frame	N 550,000
3.	Stainless Steel Cake-granulator of 2 ton/hr	
	• U-Channel frame	
	• 7 HP electric motor	
	• Stainless housing	N 400,000
4.	Industrial Stainless Steel Hammer mill of 2tons/hr for dry products only	
	• 20 HP electric motor	
	• U-Channel frame	
	• 3mm Stainless Steel housing	
	• Product suction blower/cyclone unit (Stainless) with 10 HP electric motor	N 850,000
5.	Stainless Steel Flash Dryer of 2.5ton/day	
	• Stainless ducts	
	• Suction blower with cyclone unit	
	• Disintegrator (Stainless)	
	• Heat exchanger with diesel burner	N 3,850,000
6.	Installation cost: This includes provisions for machines foundation bolts, nuts, electric panel for all the motors etc.	N 450,000
<hr/> <b>Total</b>		<b>₦ 6,750,000</b>
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**Duration of Construction:** 12 weeks

**Terms of payment:** 70 percent advance payment, 20 percent on completion of fabrication before delivery and 10 percent after delivery, installation and test run.

**Guarantee:** All the equipment will be guaranteed for six months from date of installation.

**QUOTATION FOR THE CONSTRUCTION AND INSTALLATION OF  
CASSAVA FLOUR AND STARCH PROCESSING PLANT OF  
2.5TONS/DAY**

- |    |  |             |
|----|--|-------------|
| 1. | Industrial Stainless Steel Hammer mill of 2tons/hr:  |             |
|    | <ul style="list-style-type: none"> <li>• 3 mm Stainless Steel housing</li> <li>• 25 HP electric motor</li> <li>• U-Channel frame</li> <li>• 2 nos Stainless Steel Sieves</li> </ul>  | N 650,000   |
| 2. | 1,000 litres Stainless Steel homogenizer   |             |
|    | <ul style="list-style-type: none"> <li>• 5HP electric motor</li> <li>• U-Channel frame</li> <li>• 2HP slurry pump</li> </ul>   | N 450,000   |
| 3. | (2 Nos) Stainless Steel screen (shaft) separator   |             |
|    | <ul style="list-style-type: none"> <li>• 2 HP gear motor</li> <li>• U-Channel frame</li> <li>• Stainless Steel discharge trays</li> </ul>  | N 700,000   |
| 4. | Sedimentation tank: The cost for constructing it will be determined at the factory site.   | _____       |
| 5. | (2nos) Hydraulic press of 5 tons capacity  |             |
|    | <ul style="list-style-type: none"> <li>• 5 HP hydraulic pump</li> <li>• U-Channel frame</li> </ul>   | N 1,100,000 |
| 6. | Stainless Steel cake-granulator of 2 tons/hr.  |             |
|    | <ul style="list-style-type: none"> <li>• U-Channel frame</li> <li>• 7HP electric motor</li> <li>• Stainless Steel housing</li> </ul>   | N 400,000   |
| 7. | Industrial Stainless Steel Hammer Mill of 2 tons/hr for dry products.  |             |
|    | <ul style="list-style-type: none"> <li>• 20 HP electric motor</li> <li>• U-channel frame</li> <li>• 3mm Stainless Steel housing</li> <li>• Product Suction blower/cyclone unit (stainless) with 10 HP electric motor.</li> </ul> | N 850,000   |
| 8. | Stainless Steel Flash Dryer of 2.5 tons/day  |             |
|    | <ul style="list-style-type: none"> <li>• Stainless Steel ducts</li> <li>• Suction blower with cyclone unit</li> </ul>  |             |

• Disintegrator (Stainless)	
• Heat exchanger with diesel burner	N 3,850,000
9. Installation Cost: This will include provisions for machine foundation bolts, nuts, electric panel for all the motors etc.	N 450,000
<b>Total</b>	<b>₦ 8,450,000</b>

**Duration of Construction:** 14 weeks

**Terms of payment:** 70 percent advance payment, 20 percent on completion of fabrication before delivery and 10 percent after delivery, installation and test run.

**Guarantee:** All the equipment will be guaranteed for six months from date of installation.

### **QUOTATION FOR THE CONSTRUCTION AND INSTALLATION OF CASSAVA CHIPS PROCESSING PLANT OF 25 METRIC TONS PER DAY**

1. Cassava washing machine with	
• 7.5 HP gear motor	
• Stainless Steel cylinder	
• U-Channel frame	N 850,000
2. (4 Nos) Cassava chipping/slicing machine	
• 5 HP motor inlet	
• Stainless Steel inlet and discharge funnels	N 1,000,000
3. Stainless Steel rotary dryer	
• 15 HP gear motor	
• Stainless Steel inlet and outlet chute	
• 10 HP suction blower	
• Heat exchanger with dual purpose burner for diesel and black oil	
• Capacity 25 mt/day	N 5,750,000
4. Installation Cost: This will include electrical control panel, foundation bolts and nuts etc.	N 450,000
<b>Total</b>	<b>₦ 8,050,000</b>

**Terms of payment:** 70 percent of the total sum as advance payment, 20 percent after completion of construction and before delivery and 10 percent after delivery, installation and test run of the equipment.

**Duration of Construction:** 12 weeks from the date of advance payment

**Guarantee:** All the equipment will be guaranteed for six months from date of installation.

**The Salient Critical Factors of the Machines**

The machines are robust, rugged, resilient and all made of Stainless Steel. They are tropicalised and indigenized to withstand the hot humid African weather.

**The Hammer Mills:** which are the center of processing are bulky with 3mm Stainless Steel housing to withstand prolonged milling and hazardous grinding. The electric motors of 20-25HP are above industrial average and will sustain long usage, longevity and minimum maintenance.

**The Flash Dryer:** is strategic in determining the moisture content of the flour/starch and the shelf life. It is domesticated by the introduction of the Heat Exchanger. The Exchanger enables the dryer to use either fossil fuel or alternative fuels like charcoal, palm kernel shells, palm fibers, wood etc. The flash dryer consumes about 150 litres of diesel per day at the price of N120-N150 per litre. The exorbitant cost of fuel has driven most processors out of business. Our Heat Exchanger is the panacea for business sustainability and profitability. A Flash Dryer that is fossil fuel-driven only is an invitation to fiasco. Our Flash Dryers are produced with 2.5mm Stainless Steel which is also above industrial average.

**The Rotary Dryer:** is very bulky with an impressive capacity of 25 tons per day. It is made of Stainless Steel and equally domesticated with the Heat Exchanger. The Heat exchanger is very pertinent in light of the high volume of fossil fuel consumed in drying the cassava chips. A dryer with the heat exchanger will minimize cost and increase profit by consuming less fuel.

**Our Prices:** are very competitive despite the durability of the machines. Our fabricators have made the machines affordable to encourage processors.

These machines have been supplied to the following processors:

- 1) Wahan Foods Ltd  
Afon, Ilorin, Kwara State
- 2) Idaewor Farms Ltd  
Irhakor, Auchi, Edo state
- 3) Jopat Nig Ltd  
Ugheli, Delta State
- 4) Obasanjo Farms Ltd  
Starch Section, Owiwi, Abeokuta.  
Ogun State.

You can either produce Flour and starch or flour alone. Some processors prefer both to increase the scope of production and profit. Most of the equipment for flour are also used for starch, it requires the addition of a few equipment.