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**Date: 13.07.2017**

# **Corrigendum – I**

**Supply, Installation, Commissioning and On-site support of Incubation Plant  
Setting up of Business Incubation Center at Mponela, Malawi**

**Tender No.: ABV-IIITMG/Reg./2017/1687**

**Last date for submission of bids: 24.07.2017 (11:00 AM)**

**Opening of technical bids: 24.07.2017 (3:00 PM)**

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## **Corrigendum - I**

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<b>Corrigendum Published Date</b>	13.07.2017
<b>Bid Submission Start Date</b>	22.07.2017 (11:00 Hrs)
<b>Bid Submission End Date</b>	24.07.2017 (11:00 Hrs)
<b>Technical Bid Opening Date</b>	24.07.2017 (15:00 Hrs)

**Revised Specifications of machines, consumables, accessories and spares are mentioned below for all packages.**

### **Package 1**

#### **TOMATO KETCHUP PLANT**

<b>S.No</b>	<b>DESCRIPTION</b>	<b>Quantity</b>
1.	<b>ROTARY FRUIT &amp; VEGETABLE WASHING MACHINE:</b> All contact parts of stainless steel Frame made of M.S complete Installed 1hp/3ph motor Tumbling drum type SS sieve where product would wash is made out of SS 1/8" hole size and SS rings Jet spray system on the top to wash fruits & vegetables SS tank in the bottom of the washer to collect waste water Gear box and three variable speed pulley Washing by slow tumbling action of the rotary drum Drums length 4' Minimum length 5' Width 2' Height 4.5'.	2No

	<p>CAPACITY-50KGS./HRS.</p> <p>Suitable for washing fruits like mango, pears, apples, tomatoes, potatoes &amp; other roots vegetables.</p>	
2.	<p><b>FRUIT CRUSHER:</b></p> <p>Mounted on a M.S stand with 1HPmotor.</p> <p>All contact parts made of stainless steel (AISI 304).</p> <p>Capacity 50kgs. Tomatoes per hour.</p> <p>SS head with SS shaft, SS rotor, SS beaters, SS hopper with hing</p> <p>Specially designed to crush tomatoes</p>	2 No
3.	<p><b>JUNIOR PULPER:</b></p> <p>All contact parts made of stainless steel AIAI-304.</p> <p>Mounted on M.S frame duly fitted with 1/2HP/1ph motor.</p> <p>One sieve and one set of nylon brush.</p> <p>Ss shaft, GM bush, bearing, SS back pate removable type, Ss hopper</p> <p>V-belt, pulley drive, Ms belt cover, MS motor cover</p> <p>Specially designed to make pulp from tomatoes after crushing, product to be feed from hopper and waste like skin and seed would be separate and fine pulp would be separate automatically.</p> <p>Capacity of is 50kgs. Tomato /hrs.</p>	2 No
4	<p><b>STEAM JACKETED KETTLE:</b></p> <p>Mounted on a mild steel stand with tilting arrangement through worm gear/pinion. Jacket and pan made of 12/14swg. Stainless steel-304.</p> <p>Complete with pressure gauge, safety valve, steam Trap &amp; drain cock.</p> <p>The kettles are double jacketed for maximum steam utilization and efficiency.</p> <p>Specially designed to cook tomato ketchup.</p> <p>KETTLES TILTING TYPE: 25 GALLONS 100 Liter</p>	2 No
5	<p><b>GLASS BOTTLE Washing Machine:</b></p> <p>Complete made of M.S. with 2 head Brushes driven by ½ HP motor.</p> <p>With rinsing tank of G.I. suitable for brushing new or recycled bottles</p> <p>The brushes while rotating reach the corners and crevices of bottles to remove dust particles.</p>	2 No

6.	<p><b>SINGLE HEAD PENUMATIC FILLER:</b> - Suitable for filling viscous liquids like Honey, Jam, Mayonnaise, Cheese Spread, Gravy, Sauces etc.</p> <p>FEATURES:</p> <ul style="list-style-type: none"> <li>A. Accurate filling precision by the state of the art pneumatic filler.</li> <li>B. Complete made of SS, confirm to GMP standard.</li> <li>C. The weight range is easily adjustable by turning of a toggle lever.</li> <li>D. Easy to dismantle and install, easy to wash.</li> <li>E. Filling range- 200-1000ml.</li> <li>F. Capacity-10-15 fills per minute depending on operator</li> </ul> <p><b>Compressor</b> with Head Pneumatic Filler Gravy &amp; Viscous filling through Suction Pump Single Head, With Hopper.</p>	2 No
7.	<p><b>CROWN CORKING MACHINE:</b>  Heavy duty and hand operated  Casted body  Specially design to seal glass bottles  With magnetic cork holder and adjustable to accommodate all sizes of bottles.</p>	2 No
8.	<p><b>SHRINK TUNEL:</b></p> <p>Suitable for attaching shrink sleeves on necks</p> <p>Compatible on cartons for cans/bottles</p> <p>Complete with electrical control panel, temperature controller, air circulation fan, conveyor etc.</p>	2 No
9.	<p><b>BAND SEALER:</b></p> <p>Should have continue operational capability to seal all types of pouches made out of laminates or virgin films.</p> <p>Reliable band sealing principle for consistently strong and efficient sealing.</p> <p>The machine should be adjusted up and down as per the size of the pouch.</p> <p>The bandsealer can be linked with semi-automatic filling</p> <p>Speed 10 to 20 bags/min.</p>	2 No
10.	<p><b>AUTOMATIC FORM FILL SEAL MACHINE:</b></p> <p>Fully Automatic form fill seal machine using volumetric system of weighing</p> <p>Ability to conduct integrated operations From measuring, pouch making, filling and sealing of pouches Suitable to pack Pickle paste, jam, ketchup any free homing liquid.</p> <p>Fitted with positive displacement pump that sucks the required quantity and fills in the pouch.</p> <p>Consist of:</p> <p>Complete With Photo control panel.</p>	2No

	<p>One 0.5hp/1ph motor and gear box</p> <p>Electric heaters</p> <p>One set punching blades</p> <p>One SS volumetric pump system for weighing</p> <p>One set of die rollers and sealers</p> <p>Pressure control bolts of sealers and die rollers</p> <p>Wheels mounted</p> <p>One size of chute and pitch gear as per size available.</p> <p>FILLING RANGE-10GMS.</p> <p>Speed-20-25PPM</p>	
11.	<p>Air Compressor: 2 HP</p> <p>With pipe &amp; fitting</p>	2 No
12.	UTENSILS:	8 No
13.	TROLLY: Made of MS	4 No
14.	PLASTIC CREATES:	20 No
15.	WOODEN SPOON:	4 No
16.	MS PIPE LINE & FITTING	2 No
17.	INSTALLATION CHARGES	2 No
18.	REFRECTOMETER	2 No
19	NUMEX STAMP: For print manufacturing date	2No.
20	SS BUCKET	4No
21	weighing scale	4No
22	plastic boxes & spoons	20No
23	Filling table	2No
24	<b>STEAM VERTICAL BOILER 100 KGS./HRS. Capacity, Complete made of MS with 10 Feet long M.S. chimney</b>	1No

### Technical Specification of Steam Vertical Boiler

<b>Capacity</b>	Kg/hr	100k.g/hr
<b>Efficiency</b>	%	76±2
<b>Design</b>		shell and tube type
<b>Heating System</b>		MANUAL
<b>Fuel</b>		<b>WOOD/COAL</b>
<b>Electric Supply</b>		Ac, 3 Phase, 415V, 50hz

**To be provided by bidder:**

1. Steam boiler with valve fitting 1 no
2. Feed water pump with motor 1 no
3. Ms fabricated chimney (10 feet long) 1no
4. MS BARI As per requirement
5. Smoke/air ducting As per requirement
6. Insulation wherever required As per requirement
7. Crane expanses/Transportation at site As per requirement
8. Steam piping and Chimney As per requirement
9. Complete consumables and Food chemicals as mentioned below (are for two sets of machines)

**Consumables & Food Chemicals for 3 Months  
(Approximately one Batch in a week)**

1. Pouches: 200No.
2. Bottles: 50No.
3. Shrink Labels: 200No.
4. Caps: 100No.
5. Laminates: 100Kg.
6. SODIUM BANZOTE-1KG
7. POTESIUM SORBATE-1KG
8. GUVARGAM/GENTHAM GUM-5KG
9. TOMATO FLAVOUR-500GMS.
10. COLOR-500GMS.
11. CITRIC ACID-5KG
12. ASETIC ACID-5KG.
13. SALT-10KG.

14. SPICES BLEND-500GMS.
15. CORN FLOUR-25KG.

## **LIST OF SPARE PARTS**

**(below mentioned is for 1 year and for 2 sets of machines)**

### **A. ROTRAY WASHER:**

1. V-BELT-2No.
2. JET SPRAY-20
3. BEARINGS-12
4. CHAIN-1 set
5. SPROKETS-1 set
6. GEAR BOX-1No

### **B. FRUIT CRASHER**

1. OILSEAL-5No
2. BLADES-5No.
3. COUPLING-1No.
4. RUBER PACKING-2No.

### **C. BABY PULPER**

1. NYLON BRUSHES-4No.
2. OIL SEAL-4No.
3. V-BELT-2No.
4. BEARINGS-1No.
5. G.M. BUSHES-1set
6. SIEVES-2No.

### **D. STEAM JACKETED KETTLE**

1. DRAIN CORK-4No.
2. PRESSURE GAUGE-2No.
3. SAFETY VALVE-2No.
4. STEAM TRAP-2No.
5. NUTS-2No.
6. GLAIN-1 set

### **E. GLASS BOTTLES WASHING MACHINE**

1. NYLON BRUSHES-12No.
2. FLEXIBLE PIPE-2No.

### **F. SINGLE HEAD PNEUMATIC FILLER**

1. RINGS-12No.
2. SEALS-4No.
3. PACKINGS—1set
4. SOLONOID VALVE- 2Nos.
5. SENSORS-6Nos.

6. AIR FILTER-2No.

#### **G. CROWN CORKING MACHINE**

1. GM DIE-1No.
2. DIE HOLDDER-1No

#### **H. SHRINK TUNNEL**

1. HEATERS-12No.
2. TEMPRETURE CONTROLLERS-3No.
3. FAN-1No.

#### **I. BAND SEAMER**

1. SEALING BELTS- 10 set
2. HEATERS- 3 set
3. TEMPERATURE CONTORLLER- 2No.

#### **J. AUTOMATIC FORM FILL SEAL MACHINE**

1. HEATERS- 12No.
2. FUSE- 1 packet
3. SEALS – 2No.
4. ORINGS-10No.
5. TEMPERATURE CONTORLLER- 2No.
6. INDICATOR LIGHT-2No.
7. CONTACTORS-4No.
8. PHOTO PANEL & PHOTO CELL- 1set
9. MOBIL OIL- 1Liters
10. PC MOTOR-1No.
11. CUTTERS- 2set
12. PIPE- 1set
13. CHUTE-1No.

#### **K. AIR COMRESSOR**

1. OIL -2 Ltrs
2. RINGS- 1set
3. TROLLEYS WHEELS-4 No.

#### **L. STEAM BOILER**

1. WATER LEVEL- 2No.
2. SAFETY VALVE-2No.
3. STEAM TRAP-2No.
4. PRESSURE GAUGE-2No.
5. TEMPRETURE GAUGE-2No
6. CI BARI-1No.
7. STEAM VALVE-1No.
8. DRAIN VALVE-1No.
9. AIR VENT VALVE-1No.
10. NRB-2No.
11. WATER PUMP KIT-2 set
12. WATER PUMP- 1set



13. PACKING-1 set

**Note:** Sugar (for processing raw material) and Wood (for boiler) would be provided by concerned ministry as per requirement of the project for three months

**MANGO PULP PROCESSING PLANT**

S.No	DESCRIPTION	Quantity
1.	<p><b>ROTARY FRUIT &amp; VEGETABLE WASHING MACHINE:</b></p> <p>All contact parts are made of stainless steel</p> <p>Basic frame made of MS</p> <p>Simply designed, sturdy construction</p> <p>The material is fed into the hoper continuously and gets washed by slow tumbling action of the rotary drum.</p> <p>After washing, the material comes out through the other end.</p> <p>Complete with 1hp/3ph motor</p> <p>Gear box and three variable speed pulley.</p> <p>Capable of washing fruits, vegetables and most suitable for washing fruits like mango, pears, apples, tomatoes, potatoes &amp; other roots vegetables.</p> <p>Tumbling drum type</p> <p>SS sieve where product would wash is made out of SS 1/8" hole size and SS rings</p> <p>Jet spray system on the top to wash fruits &amp; vegetables</p> <p>SS tank in the bottom of the washer to collect waste water</p> <p>Drums length 8'</p> <p>Overall length 10'</p> <p>Width 3.3'</p> <p>Height 6'.</p> <p>CAPACITY-50KGS/HRS.</p>	2No
2.	<p><b>CUTTING TABLE:</b></p> <p>Top stainless steel 304 With M.S. legs</p>	10 No

	Size 6'x3'x3' S.S. frame work.	
<b>3.</b>	<p><b>TWIN PULPER:</b></p> <p>Consists of 2Nos pulper mounted on basic structure of M.S.</p> <p>1<sup>st</sup> stage of is fitted with 1/8" sieve.</p> <p>The product gets pulped in the 1<sup>st</sup> stage &amp; then flows into the 2<sup>nd</sup> stage, which is fitted with 1/32" sieve (as per requirement).</p> <p>Ss shaft, GM bush, bearing, SS back pate removable type, Ss hopper</p> <p>V-belt, pulley drive, Ms belt cover, MS motor cover</p> <p>Specially designed to make pulp from Mangoes after cutting, product to be feed from hopper and waste like skin and seed would be separate and fine pulp would be separate automatically.</p> <p>Total load of is 3HP.</p> <p>Top 2HP / 2<sup>nd</sup> stage of 1HP.</p> <p>All contact parts made of stainless steel AISI-304.</p> <p>Capacity of is 50KGS. of mangoes / hrs.(input).</p>	2 No
<b>4.</b>	<p><b>Pulp Tank:</b></p> <p>Made of SS-304</p> <p>Vertical shape</p> <p>Capacity 50LTR</p>	2No
<b>5</b>	<p><b>BALANCING TANK:</b> Made of SSS-304,</p> <p>with agitator and 1hp/3ph motor.</p> <p>Capacity 50LTR</p>	2No
<b>6</b>	<p><b>STEAM JACKETED KETTLE</b></p> <p>Mounted on Stainless steel legs. Jacket and pan made of 10/10swg.stainless steel. Complete with pressure gauge, safety valve, steam Trap</p> <p>The kettles are double jacketed for maximum steam utilization and efficiency.</p> <p><b>KETTLES FIXED TYPE WITH TUFLON SCRAPPER FITTED WITH REMI/KIRLOS KAR</b></p> <p>GEARED MOTOR COMPLETELY MADE OF S.S. (LEGS, MOUNTING ETC.)</p> <p><b>10 GALLONS 100 Liters.</b></p>	2No
<b>7</b>	<p><b>TRANSFER PUMP</b></p> <p>Sanitary volumetric pump is S.S for transfer of liquids/ viscose products.</p> <p>The pump is positive single screw type with SS rotor. With 1hp motor.</p>	2No
<b>8</b>	<p><b>Filling Tank</b></p> <p>Vertical Tank</p>	2No

	<p>SS 304 Vertical conical tank.</p> <p>Bottom outlet</p> <p>Insulated Capacity 50LTR</p>	
<b>9</b>	<b>Platform for overhead filling Tank</b>	2No
<b>10</b>	<p><b>PS-EMPTY CANS WASHER &amp; STERLIZER</b></p> <p>Push type gravitational rolling.</p> <p>The empty can is pushed through the steam tunnel, which injects steam and sterilizes the can before filling.</p> <p>Total length of tunnel is 5' and can is passed through the tunnel by a gravitational push type.</p> <p>COMPLETE MADE OF M.S. top cover made of aluminum.</p>	2No
<b>11.</b>	<p><b>FILLING TABLE</b></p> <p>Top stainless steel 304. With M.S. legs.</p> <p>Approx. Size 6'X3'X3' M.S. frame work.</p>	2No
<b>12.</b>	<p><b>CAN DOUBLE SEAMER</b></p> <p>High-speed "can still type" seamer.</p> <p>Can still type Can seamer</p> <p>Pedal operated</p> <p>Seaming head should rotate</p> <p>Four roller seamer</p> <p>One platform and base plate</p> <p>Casted body</p> <p>Complete with one 401 dia seaming chuck and seaming roll</p> <p>Suitable for seaming Round cans between 202-700 dia ranges</p> <p>Equipped with 1.5HP 1440 RPM motor and starter. (Capacity approx. 2000 cans/hrs.)</p>	2No
<b>13.</b>	<p><b>CANNING RETORT VERTICAL:</b></p> <p>Capacity 90/100 A21/2 cans.</p> <p>Complete made of M.S. with pressure gauge, metal clad thermometer, safety valve and release valve.</p> <p>Painted with black color paint</p> <p>Complete with two MS creates to put the cans and then create would be put into the retort.</p> <p>Suitable for sterilization of cans after seaming.</p>	2 No

	The can is placed in the crate which is then fed into the retort and subjected to high pressure and temperature thus sterilizing the contents.	
14	<b>COOLING TANK:</b> Made of MS, for cooling of filled Cans.	2No
15	<b>MS FRAME FOR ELECTRIC HOIST:</b>	2 No
16.	<b>ROTARY FLAT CAN BODY REFORMER:</b> Should be mounted on mild steel stand and casted body Suitable for shaping flattened cans into cylindrical bodies between 200-700dia range and 1-1/2" – 10" height. Equipped with 1 HP 1440 RPM motor, starter, V-belt, pullies etc. Complete with 401 dia rubber rollers and bearings Capacity 600-800 cans per hour.	2No
17.	<b>HAND FLANGER:</b> Complete with flanging dia and adopter plate Made of casted body Suitable for flanging round cans bodies of 301-700dia range and 1-1/2"-10" height Complete with 401 dia flanging die and rings	2No
18.	<b>DOUBLE SEAMER:</b> Mounted on a mild steel stand. Made of casted body Suitable for seaming cans between 202-700dia range and 2" – 9 3/8" height range. Equipped with 1 HP 1440 RPM motor (suitable for 400 V +5%, 3 ph, 50 Hz supply) starter standard base plate, V-belt, pullies etc. Capacity approx. 600 –800 cans per hour Complete with 401 dia seaming chucks and seaming rollers	2No
19.	<b>TREADLE LID EMBOSSING MACHINE:</b> Designed to emboss lids without piercing the lid. Mounted on MS frame Body made of Casted One MS plate to hold the lids With one set of double row die holders.	2No

	One set of alphabets and numerals (ATOZ & 0-9)	
<b>20.</b>	<b>ROUND CAN BODY BEADER:</b> Suitable for 301, 401, 603 and 700dia can sizes beading. Equipped with 1 HP 3 PH motor. Made of MS The purpose of beading a can is to provide extra strength to the can thus avoiding dents in the can while storage. Complete with one set of 401 dia die	2No
<b>21.</b>	ELECTRIC HOIST:	2No
<b>22.</b>	MS PIPE LINE & FITTING	2 LOT
<b>23.</b>	SS PIPE LINE & FITTING	2LOT
<b>24.</b>	CUTTING KNIFE	40 No
<b>25.</b>	TROLLY MADE OF MS	4 No
<b>26.</b>	PLASTIC CREATES	20 No
<b>27.</b>	REFRECTOMETER:0-32	2 No
<b>28.</b>	HAND CAN TESTER: Complete with foot pump and pressure gauge. Reading pressure up to 30 lbs/ Sq. inch.	2No
<b>29.</b>	VACUUM TESTER: WITH VACUUM GAUGE	2No
<b>30.</b>	SEAM CHECKING GAUGE (STAINLESS STEEL)	2No
<b>31.</b>	SS BUCKET:	4 No
<b>32.</b>	COOLING TOWER:	2No.
<b>33.</b>	<b>STEAM BOILER:400</b> KGS./HRS. capacity, Complete with 20 Feet long M.S. chimney.	1No.

### **TECHNICAL SPECIFICATION Steam Boiler**

<b>Capacity</b>	Kg/hr	200k.g/hr

<b>Efficiency</b>	%	76±2
<b>Design</b>		shell and tube type
<b>Heating System</b>		MANUAL
<b>Electric Supply</b>		Ac, 3 Phase, 415V, 50hz

### **To be provided by bidder**

- |   |  |                    |
|---|--|--------------------|
| 1 | Steam boiler with valve fitting  | 1 no               |
| 2 | Feed water pump with motor   | 1 no               |
| 3 | Ms fabricated chimney (20 feet long)   | 1no                |
| 4 | MS BARI As per requirement   |                    |
| 5 | Smoke/air ducting  | As per requirement |
| 6 | Insulation wherever required   | As per requirement |
| 7 | Crane expenses/Transportation at site  | As per requirement |
| 8 | Steam piping and Chimney   | As per requirement |
| 9 | Complete list of packaging material and consumeables mentioned below is for two sets of machines |                    |

### **LIST OF PACKING MATERIALS (for three months)**

1. Tin Can -300Nos.
2. Paper Labels - 400Nos.
3. Gear oil - 5ltrs

### **LIST OF CONSUMABLES and SPARE PARTS (for 1 year and for two sets of machines)**

#### **A: ROTRAY WASHER**

1. V-BELT-2No.
2. JET SPRAY-20
3. BEARINGS-12
4. CHAIN-1 set
5. SPROKETS-1 set
6. GEAR BOX-1No

#### **B. TWIN PULPER**

1. NYLON BRUSHES-8 set
2. OIL SEAL-4No.
3. V-BELT-4No.

4. BEARINGS-2No.
5. SIEVES-3No.

#### **C. PULP TANK**

1. BALL VALVE-1No.

#### **D. STEAM JACKETED KETTLE**

1. DRAIN CORK-4No.
2. PRESSURE GAUGE-2No.
3. SAFETY VALVE-2No.
4. STEAM TRAP-2No.
5. NUTS-2No.
6. GLAIN-1 set

#### **E. TRANSFER PUMP**

1. STATOR- 1 set

#### **F. FILLING TANK**

1. BALL VALVE-1 No.

#### **G. CAN SEAMER**

1. SEAMING CHECCK-1No.
2. SEAMING ROLLERS-1set
3. SPRINGS- 1set
4. BEARINGS- 1set
5. V-BELT-2No.

#### **H. RETORT**

1. DRAIN CORK- 2No.
2. PRESSURE GAUGE-1No.
3. SAFETY VALVE-2No.
4. STEAM TRAP-1No.
5. GLAIN – 1set
6. BALL VALVE-1No.
7. TEMPRETURE GAUGE-1No.

#### **I. REFORMER**

1. V-BELT-2No.
2. RUBBER ROLLER WITH BEARING-1 set

**J. FLANGER**

1. FLANGING DIE- 1set

**K. DOUBLE SEAMER**

1. SEAMING CHECK-1No
2. SEAMING ROLLERS- 1set
3. ARM-2 No.
4. SPRINGS- 1set
5. BEARINGS- 1set
6. V-BELT- 2No.

**L. TREADLE LID EMBOSSING MACHINE**

1. DIE HOLDER- 1set
2. ALPHABETS & NUMERALS- 2set

**M. ROUND CAN BODY BEADER**

1. DIE SET- 1set
2. V-BELT -2No.

**N. MOTORS- 2No.**

**O. STEAM BOILER**

1. WATER LEVEL- 2No.
2. SAFETY VALVE-2No.
3. STEAM TRAP-2No.
4. PRESSURE GAUGE-2No.
5. TEMPRETURE GAUGE-2No
6. CI BARI-1No.
7. STEAM VALVE-1No.
8. DRAIN VALVE-1No.
9. AIR VENT VALVE-1No.
10. NRB-2No.
11. WATER PUMP KIT-2 set
12. WATER PUMP- 1set
13. PACKING-1 set

**CASSAVA POWDER PROCESSING PLANT**



S.No	DESCRIPTION	Quantity
1.	<p style="text-align: center;"><b>CASSAVA PEELER</b></p> <p><b>ROLLER TYPE FRUIT &amp; VEGETABLE WASHING MACHINE:</b></p> <p>All contact parts are made of stainless steel.</p> <p>Simply designed, sturdy construction.</p> <p>The material is fed into the machine where continuously rotation of brushes product gets washed by up side water spray system.</p> <p>Suitable to <b>Peel/clean wash various vegetables like Radish, Carrot, Cassava, Potato, Ginger, Turnip, Stem Root etc.</b></p> <p>The washer is fitted with water spray jet arrangement which simultaneously washes/cleans the vegetables.</p> <p>Washer is made of SS-304 and confirms to food sanitary standards.</p> <p>The washer is equipped with rotating soft brushes which thoroughly cleans the vegetables while simultaneously peeling them, Unique designs of the washer enables user to visually inspect the level of wash/peel achieved. after the wash, the cleaned vegetable are removed from the side exit outlet.</p> <p><b>PSRVW: 7 Roller Brushes, with Capacity -50Kg/Hr.</b></p>	2No
2.	<p><b>CASSAVA SLICER:</b></p> <p>Equipped with 1HP MOTOR.</p> <p>Capacity-50Kgs./Hrs.</p> <p>Made of SS basic frame made of MS.</p> <p>Specially designed to make slices from cassava with adjustable thickness.</p>	2No
3.	<p><b>HYDROEXTRACTOR: (Potato drying machine):</b></p> <p>To remove excess surface water from sliced cassava by centrifugal system before drying.</p> <p>All contact parts made of SS304 Complete with electric motor (reputed make), starter, v-belts</p> <p>Capacity: 50 Kg. Per Hour</p> <p>Use For Slice</p> <p>Made of:- Stainless Steel, Aluminum, Iron</p> <p>Specialty :- Centrifugal force</p> <p>Electric Motor :- 1 H.P.</p>	2No
4.	<p><b>TRY DRYER:</b></p> <p>Electrically operated,</p> <p>Digital Temperature controller – cum – Indicator is used for controlling temperature, Double walled inner and outer body made of Mild Steel beautifully painted.</p> <p>Glass wool insulation for maintain the inner temperature</p>	

	<p>Temperature range 50<sup>0</sup>C to 250<sup>0</sup> C Temperature with an accuracy of <math>\pm 1^0</math>C, To work on 220Volts AC main.</p> <p>One air circulation fan of 0.5hp motor for uniform temperature</p> <p>One door with hinges and lock system with ball system</p> <p>One exhaust duct on the top</p> <p>One fresh air input duct</p> <p>One electric control panel</p> <p>Complete with 48 SS trays</p> <p>MS rack system in the chamber where trays have to place</p> <p>Electric heater in the chamber for heating.</p> <p><b>Capacity 48 trays</b></p> <p><b>SS tray size 16"x32"x1.25"</b></p> <p>Each Tray Capacity 3 to 5 kg Depending on fruit &amp; Veg.</p> <p><b>TOTAL</b></p>	2No
5.	<p><b>PULVERIZER:- For dry Powder.</b></p> <p>All contact parts made of stainless Steel.</p> <p>Hammer type system.</p> <p>One cyclone for collection of powder</p> <p>One collection bag</p> <p>One Air blower for suction of powder</p> <p>Equipped with 5Hp/3phase motor.</p> <p>Capacity approx 50kg. Per hour.</p>	2No
6.	<p><b>VIBROSIFTER:</b></p> <p>Vibro sifter for separation of different practical sizes of powder, cereals and pulses.</p> <p>The machine designed ensures separating the husk particles from powder product.</p> <ul style="list-style-type: none"> <li>• Easy dismantling and cleaning facility for contact parts Double deck screens with outlet chute from bottom deck.</li> </ul> <p>All contact parts like sieve made of SS.</p> <p>Basic frame and non contact parts are made of MS</p> <ul style="list-style-type: none"> <li>• Maintenance free &amp; high speed working capacity</li> <li>• Made up of SS-304/ food grade</li> </ul> <p>Equipped with electric motor.</p> <ul style="list-style-type: none"> <li>• Capacity-50Kgs./Hrs.</li> </ul>	2No
7.	<p><b>SCREW FEEDER:</b></p> <p>Specially designed to feed cassava powder to Auger filler.</p> <p>All contact parts made of stainless steel AISI-304.</p>	2No

	Complete with infeed hopper and outfeed chute. Complete with 1hp/3ph geared motor.	
<b>8.</b>	<b>AUGER FILLER :-</b>  Auger fillers are designed to handle diverse types of powders are accurately weigh them using accurately designed auger screw which is controlled by a sophisticated clutch brake system.  All contact parts are made of SS and non-contact parts are made of MS.  One SS hopper with one agitator inside for continues rotation of powder.  One motor for agitator and one for clutch break operation on the top.  One control panel with pedal operation which control the weight and wastage.  FILLING RANGE:-500GM to 1KG	2No
<b>9.</b>	<b>BAND SEALER:</b>  Should have continue operational capability to seal all types of pouches made out of laminates or virgin films.  Reliable band sealing principle for consistently strong and efficient sealing.  The machine should be adjusted up and down as per the size of the pouch.  The bandsealer can be linked with semi-automatic filling  Speed 10 to 20 bags/min.	2No
<b>10.</b>	PLASTIC CREATES	20 No
<b>11.</b>	PEELING KNIFES	20No
<b>12.</b>	CUTTING TABLES	4No
<b>13.</b>	UTTENSILS	4No
<b>14.</b>	BUCKETS	4No.

**To be provided by Bidder**

**(List of packaging material for 3 months & for one batch in a week:**

1. Built pouches for 500/1000GMS.-300Nos.
2. Gear oil-5ltrs

**LIST OF CONSUMEABLES and SPARE PARTS (are for two sets of machines & for 1 year)**

1. BRUSHES OF ROLLER TYPE FRUIT & VEGHETABLE WASHER-4No.

2. CUTTING BLADES FOR SLICER-2No.
3. V-BELT-7No.
4. MOTOR-1HP- 2No.
5. HEATER FOR DRYER-12No.
6. TEMPRETURE CONTORLLER FOR DRYER-2No.
7. SIEVES FOR PULVERIZER - 2No.
8. HAMMERS FOR PULVERIZER-10No.
9. COLLECTION BAGS-3No.
10. SIEVES OF VIBRO SHIFTER-2No.
11. AUGER SCREW- 1set
12. BAND SEALER
13. SEALING BELTS- 10 set
14. HEATERS- 3 set
15. TEMPERATURE CONTORLLER- 2No.

**All In One – AUTOMATIC PACKAGING MACHINE**

1.	<p><b>AUTOMATIC FORM FILL SEAL MACHINE: for GRAULES</b></p> <p>Main Frame, Stand and other Parts are made of mild steel &amp; painted.</p> <ul style="list-style-type: none"> <li>• Contact Parts: All Contact parts are made of stainless steel grade.</li> <li>• Sealing type: Center Seal Intermittent Type.</li> <li>• Packing Size: Pouch Length-100 to 450 mm.</li> <li>• Film width: 200 To 700 mm.</li> <li>• Film Type: Heat Sealable, Pet Poly.</li> <li>• Packing Range:250gm- 500gm</li> <li>• Former Assay: Three Size former Assay &amp; one Size Cup Filler Disk Included.</li> <li>• Electric Control: By P L C &amp; H M I.</li> <li>• Temp Controller: PID Control, Digital 48*48 mm Controlled By SSR.</li> <li>• Photo Cell Unit: For accurate pouch length.</li> <li>• Paper Pulling : By Pneumatic items are made By “ Camozzi Pneumatic ”</li> <li>• Bearings: Japan/Poland” Make.</li> <li>• Speed :50–60 P/minute (Depending upon weight to be packed)</li> <li>• Speed Controlled: by A.C Drive.</li> <li>• Proximity Sensors: Data sensor / P &amp; F (Germany) Make.</li> <li>• Pulling Motor: 1 HP Three Phase 440V AC</li> <li>• Fill Motor: ½ HP Three Phase 440 VAC.</li> <li>• Gear Box: Bonaire / Ultra / make.</li> <li>• Pouch Counter: For Counting The Pouches.</li> <li>• Compressed air: 3–4 CFM at 8 Kg/sq cm is required.</li> <li>• Power Required:440 V AC 50 Hz, Three phase, +Numeral 3 KW Load (max)</li> <li>• Variation in weight:±0.1 to 0.2 g.</li> <li>• Pouch Counter: Digital Counter for counting the pouches.</li> </ul> <p>Compressed air:5–6 cfm at 6Kg/sq cm is required.</p> <p><b>ALONG WITH VOLUMETRIC FILLER ATTACHMENT</b></p> <p><b>FILLING RANGE-100--500gms.</b></p> <p><b>ALONG WITH AIR COMPRESSOR AND ONE SIZE OF CHANGE PARTS</b></p>	2No.
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**To be provided by Bidder (List of packaging material for 3 months)  
(one batch in a week):**

1. Laminate Pouches for 100 Kg
2. Gear oil-5ltrs

**LIST OF CONSUMABLE SPARE PARTS**

**(for two sets of machines and for 1 year)**

1. HEATERS-10No.
2. CUTTERS-2 SET
3. PID CONTROLLERS-6No.
4. FUSE- 2 SET
5. DRIVE-1 SET
6. PLC- 1SET
7. PULLING ROLLERS- 1SET
8. SENSORS-1 SET
9. MAIN MOTOR- 1No.
10. HMI- 1SET
11. WHEELS-4 No.
12. Volumetric cups- 1set
13. VIBRATOR-1No.
14. PNEUMATIC CYLINDERS- 1 SET
15. BEARINGS-20No.
16. AC DRIVE- 1SET

**Package 2**

**Plant for Gems and Stones Cutting and Polishing**

<b>S No</b>	<b>Component</b>	<b>Description</b>	<b>Quantity</b>
1	Assortment Working Station	Size: 4"X2" Mounted on wooden top with Lighting arrangement with Tools for making selection of Rough Gemstone from Mines minerals as well as assortment of rough gems. It should also have facilities to mark gemstone for further sawing operation and trimming of gemstone for making direct selection.	Two sets
2	Trim saw machine	Suitable for slicing of raw gemstone into small /desired pieces and to perform trimming operation with tools to remove surface impurity of the Gem. The machine to be operated by 0.25HP, 220V, 1440 rpm motor & suitable for slicing of all kind of gemstones from 5mm to 20mm piece sizes. The machine to be mounted on wooden top table and supplied with Tools & consumables.	Two No.

3	Pre-shaping machine	For pre-shaping of faceted as well as cabochon gemstones. Should be capable to perform pre shaping of for all kind of gemstones in various forms & shapes of gems. Suitable for 4 persons to work simultaneously. The machine to be run by 0.25HP, 220V, 1440 rpm motor with cooling & lighting arrangement, mounted on wooden top table. To be supplied with tools, consumables & all accessories.	Two No.
4	Universal calibration machine	Semi automatic universal calibration machine suitable for calibration of faceted as well as cabochon gemstones in precision $\pm 0.05$ mm as per ICA specification. The machine should perform girdle and pavilion cutting in one setting so as to ensure better accuracy and high productivity. The machine should produce calibrated Gems of Round, Oval, Pear, marquise, Octagon, Square, Heart, Trillion and other fancy shapes in various sizes. It should be run by 0.25 HP, 220V, 1440 rpm & DC motor and supplied with coolant & lighting arrangement. The machine to be mounted on wooden top table and supplied with all tools, accessories & consumables.	Two No.
5	Faceting & polishing machine unit	Dual Arbour Precision & Versatile Machine Unit to Process all Kind of Gems into Round, Oval, Pear, Marquise, Square, Octagon, Heart and other shapes in different sizes from 2 mm to 20 mm. Suitable for 2 persons. This machine Unit should be able to cut Gems in Brilliant, Step, Rose and other latest Facet patterns. The machine should be supplied with 4 Nos. Precision Universal Facetors synchronized with each other. It should have accurate spring Loaded Table Polisher & Transferring Block. The Machine should be run by 0.25 Hp, single phase, 1440 rpm motor. The Machine to be mounted on wooden top table and supplied with Cooling arrangement along with tools, consumables & complete accessories.	Eight No.
6	Cabochon polishing machine	For making cabochon of all sizes in Round, Oval, Pear, Heart, Square, Octagon & other Fancy shapes of different gemstones. It should finish as well as polish gems. The machine to be suitable for 4 operators to process complete operations of cabochon independently. It should be run by 0.25HP, 220V, 1440 rpm motor. To be supplied with coolant pumping device having filtering partitions. The machine to have lighting arrangement and supplied with tools, consumable & complete accessories. Machine to be mounted on MS table and to have facilities for dopping of gems.	Two No.
7	Vibrator polisher	4 Kg capacity vibrators to finish as well as polish gemstones separately. The main container should have teflon coating for wear resistance and scratch free performance against hard gemstones. It should be able to polish all kind of gemstone in Tumble, Uncut, Cabochoun and other forms. Fitted with 0.5HP, 2800 r.p.m, 220 V motor, mounted on MS table. The machine to be supplied with abrasive powder, polish powder and complete accessories.	Four No.

8	Ultra sonic drilling machine	With amplitude 40-80 microns with frequencies of 25 kHz, 150 W, sufficient to perform effective drilling from 0.5 mm to 2 mm in gemstone ranging from Rh 5 to 9 on hardness scale. Table mounted machine and supplied with lighting arrangement, tools & complete accessories.	Two No.
9	Grading station	Size: 4"x2", to carry out grading of faceted & cabochoun gems based on their stone and manufacturing quality with special lamps and other inspection facilities to make marketable lots of finished gems for marketing as per international quality checks. To be supplied with complete tools, accessories, packaging material, consumable to take enhance beauty and care of finished gems for a longer time.	Two No.
10	Gemstone Testing machines	<ul style="list-style-type: none"> <li>a) UV gemstone tester for differentiating natural gems with synthetic / fake gemstone.</li> <li>b) Refractor meter to judge RI of stone to recognize a particular gemstone</li> <li>c) Spectroscope for judging spectrum of gemstone.</li> <li>d) Gemstone microscope stereo type 30 X zoom with all accessories &amp; tool kit.</li> <li>e) Hardness testing machine complete with all accessories &amp; tool kit.</li> </ul> To ensure all testing machines are supplied alongwith testing tools. To be supplied with table and lighting arrangement	Two sets
11	Electronic weighing machine (digital display) :	Precision weighing capacity upto 10 gm Precision weighing capacity upto 100 gm Precision weighing capacity upto 1 kg Complete with accessories and electrical.	Two sets
12	Working table	5" x 2.5" With 4 sitting tools for dopping of: i) Pre-shaped stone for calibration ii) Calibrated stones for faceting & Polishing.	Two No.
13	Inspection tools kit	Including Eye glass-8 Vernier gauge -1, Dial gauge -1, Brass gauge-4 Nos	Two sets



14	Working Tools	<ul style="list-style-type: none"> <li>i. Indexing dops holder – 24 pcs</li> <li>ii. Brass dopsticks 2mm To 7 mm - 900 Pcs</li> <li>iii. Diamond impregnated Lap 600 Mesh, 1200 Fine Mesh – 12 Pc ( 6 pcs each)</li> <li>iv. Diamond impregnated Lap 100, 180, 260 &amp; 360 Mesh - 8 Pc 2 pc Each</li> <li>v. Diamond Polishing Powder- 40-50000 mesh - 500 Cts.</li> <li>vi. Burner set for dopping- 2 Pc</li> <li>vii. Special dopping wax- 16 Kg</li> <li>viii. Stone bowl big size- 12 Pc</li> <li>ix. Spectacle for eyes guard -8 Pc</li> <li>x. 4" Diamond sawing blade -100 Pc</li> <li>xi. Emery powder size-100,150,260no -4 Kg</li> <li>xii. Gas burnar set with pipe &amp; clamp for tools</li> <li>xiii. Gas lighter -4 Nos</li> <li>xiv. Emery powder size-360 &amp; 600 no – 2 kg each</li> <li>xv. Sandal wood polishing wheel -1 Pc</li> <li>xvi. Polishing powder - chromium oxide - 5 kg</li> <li>xvii. Polishing powder- tin oxide )- 2 kg</li> <li>xviii. Polishing powder pink – 1 kg</li> <li>xix. 22/24 gauge steel Almirah 6" height to keep working tools – 4 shelves - 1 No.</li> <li>xx. Grading tools, polishing tools, accessories, measuring instruments and jigs fixtures etc.</li> <li>xxi. Manual for Gemology, Installation &amp; Commissioning manual, maintenance manual, Gemstone processing manual, etc.</li> <li>xxii. Complete consumable for 3 months training.</li> </ul>	Two sets
15	Spares for all the machines for one year of normal operation (Tentatively mentioned for an year)	To ensure that the spare list include all the items / parts required to be replaced during the course of normal operation and due to wear & tear including preventive & breakdown maintenance.	Two lots

**Package 3**

**Organic Composte Machines**

**(Quantity 2)**

<b>Sr No</b>	<b>Description</b>	<b>Specification</b>
1	Input Capacity	100 KG
2	Input Type	Food/Vegetable / Flower waste/Leaves
3	Process	Continuous
4	Noise Level During Operation	Less than 3 db(A)
5	Harmful Emission	No
6	Burning And Chemical Use	No
7	Weight Of Machine	Should be less than 400Kg
8	Output compost weight	less than 20% of Input Weight
9	Dimensions	Appx. 1200mm x 750 mm x 1300 (Ht)
10	Power Consumption	Maximum 4 kW, Single Phase
11	Composting Time	24 to 48 hours
12	Inner chamber Material	Stainless steel with SS304 grade
13	Automation	PLC with Auto temp control system
14	Power Supply	Single Phase

No specific spares or consumeables required. Bidder need to make sure to provide services for 1 year with no downtime due to fault in machine.

### **Briquetting Machines**

**(Quantity 2 of each component: Dryer, Grinder and Briquetting Compressor)**

#### **Dryer (Quantity: 2)**

<b>S No</b>	<b>Description</b>	<b>Specification</b>
<b>1</b>	Power Consumption	4HP/3 KW
<b>2</b>	Production Capacity	300 KG/H
<b>3</b>	Motor Fan to suck the Raw Material	2 HP on I.D.
<b>4</b>	Motor on Air Lock in Cyclone	1 HP
<b>5</b>	Motor on conveyor to feed material inside the Cyclones	1HP
<b>6</b>	Type of Panel for Operating & Control	Electric Panel
<b>7</b>	Screw conveyor length	10 feet long

#### **Spare Parts and Consumables**

No such specific parts or consumables; but bidder need to make sure to provide necessary arrangements to provide 100% uptime for an year

#### **Grinder (Quantity: 2)**

<b>S No</b>	<b>Description</b>	<b>Specification</b>
<b>1</b>	Production	600 KG/HR 10% $\pm$ actual production may vary; depends on the combination of raw material.
<b>2</b>	Material Used	MS Iron Sheet 10 - 12 mm
<b>3</b>	Raw Material In-feed size	Maximum Dia 10 - 15 mm
<b>4</b>	Raw Material Moisture Content	Moisture should not be more than 12% while Grinding

5	Power Required	27 HP / 20.25 KW
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**Spare Parts and Consumables (for two sets of machines and for 1 year)**

1. Grinding cutting blades: 50 Pcs
2. Perforated Screen: 2
3. Tool Kit: 2 Sets

**Briquetting Compressor (Quantity: 2)**

S No	Description	Specification
1	Production (Per Hour)	300KG/H (On Granulated Material) 10%± actual production may vary; depends on the combination of raw material.
2	Finished Goods Diameter	40mm
3	Finished Goods Shape	Cylindrical
4	Briquettes Length	80mm to 220mm
5	Raw Material In-feed size	Granulated Material Only, If it is bigger than then it
6		should be chopped down
7	Raw Material Required Moisture	Acceptable moisture in raw material for briquetting is 8-13%
8	Power Required	23HP / 17.25KW
9	Machine R.P.M	280

**Spare Parts and Consumables (for two sets of machines and for 1 year)**

1. Tape Die and Caller : 2 Pcs
2. Split Die: 2 Pcs
3. Ram: 2 Pcs
4. Tikki: 2 Pcs
5. Tikki Bolt: 2 Pcs
6. Machine Tool Kit: 2 Pcs

(On Company Letter Head)

## Revised Technical Compliance Sheet

(Bidder need to put "Yes" in compliance column only when 100% compliant as per specification mentioned Section – V; else need to mention deviation specifically in remarks column. Bidder need to provide sufficient data sheets of products also to justify compliance)

<b>Technical Compliance Sheet</b>			
<b>Package A</b>			
<b>Tomato Ketchup Plant</b>			
<b>S.No</b>	<b>DESCRIPTION</b>	<b>Compliance Yes or No</b>	<b>Remarks</b>
1	ROTARY FRUIT & VEGETABLE WASHING MACHINE		
2	FRUIT CRUSHER		
3	JUNIOR PULPER		
4	STEAM JACKETED KETTLE		
5	GLASS BOTTLE Washing Machine		
6	SINGLE HEAD PENUMATIC FILLER		
7	CROWN CORKING MACHINE		
8	SHRINK TUNEL		
9	BAND SEALER		
10	AUTOMATIC FORM FILL SEAL MACHINE		
11	Air Compressor		
12	ALL OTHER REMAINING COMPONENTS OF MACHINES OF PLANT (refer technical specification sheet for remaining components)		
13	STEAM VERTICAL BOILER:100 KGS./HRS		
<b>Mango Pulp Processing Plant</b>			
<b>S.No</b>	<b>DESCRIPTION</b>	<b>Compliance Yes or No</b>	<b>Remarks</b>
1	ROLLER TYPE FRUIT & VEGETABLE WASHING MACHINE		
2	TWIN PULPER		
3	STEAM JACKETED KETTLE		
4	PS-EMPTY CANS WASHER & STERLIZER		
5	CAN DOUBLE SEAMER		

6	CANNING RETORT VERTICAL		
7	COOLING TANK		
8	ROTARY FLAT CAN BODY REFORMER		
9	HAND FLANGER		
10	DOUBLE SEAMER		
11	TREADLE LID EMBOSsing MACHINE		
12	ROUND CAN BODY BEADER		
13	ALL OTHER REMAINING COMPONENTS OF MACHINES OF PLANT (refer technical specification sheet for remaining components)		
14	STEAM VERTICAL BOILER:400 KGS./HRS		

**Cassava Powder Processing Plant**

S.No	DESCRIPTION	Compliance Yes or No	Remarks
1	ROLLER TYPE FRUIT & VEGETABLE WASHING MACHINE:		
2	CASSAVA SLICER		
3	HYDROEXTRACTOR		
4	TRY DRAYER		
5	PULVERIZER		
6	VIBROSIFTER		
7	SCREW FEEDER		
8	AUGER FILLER		
9	BAND SEALER		
10	ALL OTHER REMAINING COMPONENTS OF MACHINES OF PLANT (refer technical specification sheet for remaining components)		

**All In One – AUTOMATIC PACKAGING MACHINE**

S.No	DESCRIPTION	Compliance Yes or No	Remarks
1	FULLY AUTOMATIC FORM FILL SEAL MACHINE		

**Package B**

**GEMS & STONES CUTTING & POLISHING MACHINES**

S.No	DESCRIPTION	Compliance Yes or No	Remarks
1	Assortment Working Station		

2	Trim saw machine		
3	Pre-shaping machine		
4	Universal calibration machine		
5	Faceting & polishing machine unit		
6	Cabochon polishing machine		
7	Vibrator polisher		
8	Ultra sonic drilling machine		
9	Grading station		
10	Gemstone Testing machines		
11	Electronic weighing machine (digital display) :		
12	Working table		
13	Inspection tools kit		
14	Working Tools		

### Package C

#### Organic Waste to Composte Plant

S.No	DESCRIPTION	Compliance Yes or No	Remarks
1	Organic waste to composte convertor		

#### Briquetting Plant

S.No	DESCRIPTION	Compliance Yes or No	Remarks
1	Dryer		
2	Grinder		
3	Briquetting Compressor		

(On Company Letter Head)

## Revised BOQ\_BIC Malawi

(Bidder need to sign and submit blank copy of BOQ along with other essential documents asked above in check list)

<b>Pricing Sheet for Business Incubation Center</b>				
<b>(Inclusive of all Taxes, Transportation and all other kind of charges In INR)</b>				
<b>Package A</b>				
<b>Tomato Ketchup Plant</b>				
<b>S.No</b>	<b>DESCRIPTION</b>	<b>Quantity</b>	<b>Unit Price (In INR)</b>	<b>Total Price (In INR)</b>
1	ROTARY FRUIT & VEGETABLE WASHING MACHINE	2		
2	FRUIT CRUSHER	2		
3	JUNIOR PULPER	2		
4	STEAM JACKETED KETTLE	2		
5	GLASS BOTTLE Washing Machine	2		
6	SINGLE HEAD PENUMATIC FILLER	2		
7	CROWN CORKING MACHINE	2		
8	SHRINK TUNEL	2		
9	BAND SEALER	2		
10	AUTOMATIC FORM FILL SEAL MACHINE	2		
11	Air Compressor	2		
12	ALL OTHER REMAINING COMPONENTS OF MACHINES OF PLANT (refer technical specification sheet for remaining components)	2		
13	STEAM VERTICAL BOILER:100 KGS./HRS	2		
14	As mentioned consumables & Spare parts	1		
<b>Mango Pulp Processing Plant</b>				
<b>S.No</b>	<b>DESCRIPTION</b>	<b>Quantity</b>	<b>Unit Price (In INR)</b>	<b>Total Price (In INR)</b>
1	ROLLER TYPE FRUIT & VEGETABLE WASHING MACHINE	2		
2	TWIN PULPER	2		
3	STEAM JACKETED KETTLE	2		



4	PS-EMPTY CANS WASHER & STERLIZER	2		
5	CAN DOUBLE SEAMER	2		
6	CANNING RETORT VERTICAL	2		
7	COOLING TANK	2		
8	ROTARY FLAT CAN BODY REFORMER	2		
9	HAND FLANGER	2		
10	DOUBLE SEAMER	2		
11	TREADLE LID EMBOSSING MACHINE	2		
12	ROUND CAN BODY BEADER	2		
13	ALL OTHER REMAINING COMPONENTS OF MACHINES OF PLANT (refer technical specification sheet for remaining components)	2		
14	STEAM VERTICAL BOILER:400 KGS./HRS	2		
15	As mentioned consumables & Spare parts	1		

**Cassava Powder Processing Plant**

S.No	DESCRIPTION	Quantity	Unit Price (In INR)	Total Price (In INR)
1	ROLLER TYPE FRUIT & VEGETABLE WASHING MACHINE:	2		
2	CASSAVA SLICER	2		
3	HYDROEXTRACTOR	2		
4	TRY DRAYER	2		
5	PULVERIZER	2		
6	VIBROSIFTER	2		
7	SCREW FEEDER	2		
8	AUGER FILLER	2		
9	BAND SEALER	2		
10	ALL OTHER REMAINING COMPONENTS OF MACHINES OF PLANT (refer technical specification sheet for remaining components)	2		
11	As mentioned consumables & Spare parts	1		

**All In One – AUTOMATIC PACKAGING MACHINE**

S.No	DESCRIPTION	Quantity	Unit Price (In INR)	Total Price (In INR)
1	FULLY AUTOMATIC FORM FILL SEAL MACHINE	2		

2	As mentioned consumables & Spare parts	1		
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### Package B

#### GEMS & STONES CUTTING & POLISHING MACHINES

S.No	DESCRIPTION	Quantity	Unit Price (In INR)	Total Price (In INR)
1	Assortment Working Station	2		
2	Trim saw machine	2		
3	Pre-shaping machine	2		
4	Universal calibration machine	2		
5	Faceting & polishing machine unit	2		
6	Cabochon polishing machine	2		
7	Vibrator polisher	2		
8	Ultra sonic drilling machine	2		
9	Grading station	2		
10	Gemstone Testing machines	2		
11	Electronic weighing machine (digital display) :	2		
12	Working table	2		
13	Inspection tools kit	2		
14	Working Tools	2		
15	As mentioned consumables & Spare parts	1		

### Package C

#### Organic Waste to Composte Plant

S.No	DESCRIPTION	Quantity	Unit Price (In INR)	Total Price (In INR)
1	Organic waste to composte convertor	2		
2	As mentioned consumables & Spare parts	1		

#### Briquetting Plant

S.No	DESCRIPTION	Quantity	Unit Price (In INR)	Total Price (In INR)
1	Dryer	2		
2	Grinder	2		
3	Briquetting Compressor	2		

4	<b>As mentioned consumables &amp; Spare parts</b>	1		
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