









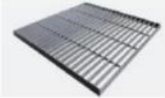



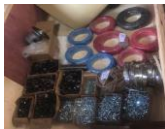



No.	DESCRIPTION	POWER REQUIREMENT	VISUAL REPRESENTATION (Pictures to help clients to appreciate the product)	DETAILS	QUANTITY	
Main Machinery						
1	Waste Belt Conveyor/Screw Conveyor	3.73KVA		Loads diced, wet waste into the grinder, made with stainless steel (3 tons per hour).	1	
2	Waste Shredder	7.5KW		Shredding waste into standard sized particles that are feedable (<5mm) to the grinder. Up to 3.0 tons per hr.	1	
3	Food Waste Grinder	30KW		Grinding waste with any moisture into <5 mm particles. Please quote for three Capacities i. 3 tons per hour ii. 2 tons per hour iii. 1 ton per hour	1	
4	Stationary Waste Mixer with waste quantifying mechanism	12KW		Contact material stainless steel, 3 tons capacity, can mix 3 ton material within 7 minutes. Built with screw pump feeding station. Voltage: 6.53KVA	1	
5	Linear Vibrating Sifter/Mechanical Pupae Larvae Harvester	1.1KW		Stainless Steel. 5.66 KVA	3	
6	Probiotics Dosing System	1.5KVA		2000L fermentation silo x 2.	1	
7	Industrial Dry Powder Mixer	7.5 kw		Should be able to mix different powder products to make one product. Material proportion different 1:1000~5000 perfectly mixing. Capacity: 500 L, Loading Coefficient: 0.6-0.8, Power: 7.5 kw, rotate speed (R/min) 45, Dimension (mm): 2600X840X1680	1	
8	Wind Selector (as Attachment to Sifter)	380W		Dimmable blower blow off fibers from the harvested larvae.	3	
9	Belt Conveyor for Sieving Machine	0.75KW		Elevation to 1.6M with angle of 45°. Bottom horizontal line 50cm; top horizontal line 30cm. Width 40cm.	1	75*75mm
10	Sieving Machine - Larvae (Multi-Layer Swing Sifter)	1.1KW		1.5m in diameter, 3 layers. Height: 1.4m; Floor: 4; Mesh: Upper 10mm and lower: 3.35mm. Capable of processing 15 tons of larvae per 8 hour day plus frass materials per hr. Contact material (screen mesh) made with 304 stainless steel, body structure made with Q325A carbon steel. Can separate chunks, larvae, and frass. Can fulfill sizing requirement for target larvae size. Tolerate higher frass moisture.	1	2.5mm
11	Incubator(Automatic Mashroom climate Control Machine)			The machine is used to incubate BSF eggs into neonites and later pupae stage: The incubator size is 9m*3.5m*2.2m. NH3 0-50ppm, Temperature 28-32degree celcius ; Room Humidity 75% to 85% CO2 Level 000ppm ;Regrigant R410A: See attached for detail specification N.B Please provide an equivalent equipment of 6m*3.5m*2.2m from which we can choose one. The Specifications remain the same	1	

12	Larvae Blancher	2KW		Capacity: 0.5 tons per batch.This machine is intended to use warm/hot water to wash and soft kill the larvae before they are put in the drier . Please specify output per hour and production efficiency	1
Processing Equipment					
1	Screw Conveyor	2.2KW		Function: i. To convey raw material to the drier ii. Dimension/size: 0.14m×5m; iii. Material: Stainless Steel; iv. Capacity 1.0 TPH v. Rated Power:2.2Kw; or equivalent for the load	1
2	Rotary Dryer	4.14.1KW		Features: Rotary drum type machine for drying BSF, etc; Consist of: 1) Dryer body; 2) Motor and driving system; 3) Material inlet and outlet system; 4) Fan for hot air and wet air; Technical parameters: 1) Size(mm):5.1m×1.5m×1.9m; 2) Power(kw):3kw+0.55Kw+0.55kw; 3) Capacity(t/h): 1TPH	1
3	Accessories for intake channel			To prevent bags , personnel and other unwanted items dropping down to the Hopper; Dimension/size:1.0m×1.0m; Net Weight: 60Kg; Material : Carbon Steel; Capacity 1.0TPH Consist of: 1) Grid and supporting screws/locks 2) Hopper	1
4	Screw Conveyor	2.2KW		Function: i. To convey raw material to the drier ii. Dimension/size: 0.14m×5m; iii. Material: Stainless Steel; iv. Capacity 1.0 TPH v. Rated Power:2.2Kw; or equivalent for the load	1
5	Hammer mill	22 to 25		Function: Able to crush various materials including BSF, maize, soya, dry fish, cotton seeds cakes, and others. ; Dimension/size: 1.2m×0.6m×1.15m ; Net Weight : 240Kg; Rated Power:22 Kw; Features:Use of new design anti-blocking, and new design hammers ,to improve the production efficiency by at least 15% Material: Carbon Steel; Output : 1.5 tph; The machine should have minimum sound/noise not to disrupt a human settlement	1
6	Air Pipe			Function: Support movement of ground mesh by Air to the Cyclone	1
7	Cyclone			Function: Support Solid-gas separation, separation of from the Hammer mill to the , and match the second bucket; Features: Made by steel to ensure long term use; Diameter: 2.2m×0.6m×0.6m; Net Weight:245Kg; Material: Carbon Steel;	1
8	High pressure Fan	5.5		Function: To Conveying of crushed materials to conveyor before mixer; Capacity: Volume 4012-7419m ³ /h; Max Pressure for fan:2014-1320Pa; Net Weight:98Kg; Material :Carbon Steel; Features: Use of pneumatic conveying for materials	1
9	Bag Dust collector and Airlock	0.75		Function 1:To collect the dust; 16 to 20 bags dust collector; Dimension/size: 1.2m×1.2m×1.1m; Net Weight:65Kg; Function 2: The item will work together with cyclone to concentration materials; Net Weight: 135Kg; Speed: Volume 4012-7419m ³ /h; Dimension/size: 1.1m×0.3m×0.35m ; Rated Power:0.75Kw; Max Pressure:2014-1320Pa; Material:Carbon Steel;	1
10	Three-Way Valve			Used for multidimensional/multi-directional material separation /movement	1
11	Accessories for intake channel			To prevent bags , personnel and other unwanted items dropping down to the Hopper; Dimension/size:1.0m×1.0m; Net Weight: 60Kg; Material : Carbon Steel; Capacity 1.0TPH Consist of: 1) Grid and supporting screws/locks 2) Hopper	1

12	Screw Conveyor	2.2KW		Function: i. To convey raw material to the drier ii. Dimension/size: 0.14m×5m; iii. Material: Stainless Steel; iv. Capacity 1.0 TPH v. Rated Power:2.2Kw; or equivalent for the load	1
13	Mixer with Hopper	11		Function: Mix different materials; Dimension/size: 1.5m×0.6m×0.8m; Net Weight:450Kg; Material:Carbon Steel; Rated Power:11Kw; Production Capacity:1tph; CV:≤10% Hopper Size:1m3	1
C Shifting and Oil Pressing system					
1	Accessories for intake channel			To prevent bags , personnel and other unwanted items dropping down to the Hopper; Dimension/size:1.0m×1.0m; Net Weight: 60Kg; Material : Carbon Steel; Consist of: 1) Grid and supporting screws/locks	1
2	Bucket elevator	1.5		Function:Material elevator; Model:TDTG36/18; Dimension/size: 1.2m×0.4m×5.8m; Net Weight:1250Kg; Material:Carbon Steel; Rated Power:1.5Kw; Production Capacity:2tph;	1
3	Magnet			Function : to extract any metal from product before they are allowed in the extruder	1
4	Screw oil presser	22		Function: To Extract/ Remove oil from BSF extrude by Screw Press; Dimension/size:2.25m*1.8m*2.6m; Net Weight:1500Kg; Material:Carbon Steel; Rated Power:22Kw; Speed:50rpm Production Capacity:500kg/h;	1
D Electrical fittings , equipment and other costs					
1	Electricity panel			Adopt 3C certification; Function:Control Center for this feed mill plant; Dimension/size:1.2m×0.6m×2.0m; Net Weight:680Kg; Material:Carbon Steel; Total power consumption for whole plant :100 Kw; Voltage & Frequency:415v/50Hz;	1
2	Wire and cable and Cable Tray			Wire ,cable and grooves for control system;	1
E Equipment Installation Steel Structure above					
1	Hollow Sections			i. 100 pcs 75mm*75mm*2.5mm 6meters ii. 80 pcs of 40mm*40mm *2.5mm *6meters	180 pcs
2	Wieldable Mesh			Expanded Wieldable mesh guage 16	2,000 square meters
3	Steel cutting Disks(Pcs)			Abbrasives A30QBF, JB/ 4800, 80m/s	10 boxes
4	Wielding rodes(packets)			422/J40.50	10 boxes

N.B

1.0 For every item quoted for, please specify the KW and output capacity (tons per hour)
2.0 For the items supplied the bidder with give clarity in information by way of brochures and manuals
3.0 In the Electrical control panels, please provide an additional capacity (100KW) Voltage & Frequency: 415v/50Hz
4.0 Please give break down of costs ; FOB Inland cost , Ocean Frieght to Mombasa and Land freight to Kampala as per the choice of the bidder