Requirements and Technical Specifications

1. Tractors ("CASE") or Equivalent:

Tractor Specification as provided below for "CASE" or equivalent				
Item Type		Description	Quantity	
a.	Engine power	120 HP	Six (6) units	
b.	Shaft type	rpm's shaft with 6 splines, 1 1/8" diameter;		
c.	Valve type	3 double hydraulic values;		
d.	Geer system	Super creeper gear that can make possible to drive at a speed of 100 meters/hour;		
e.	Air filter	oil bath (can be different type);		
f.	Fuel thank capacity	more than 200 litters;		
g.	Clutch type	dry double action type (can be wet type);		
h.	Gear box shift	16 forward and 8 reverse;		
i.	Rear axle	with mechanical differential lock;		
j.	Front axle	with planetary hub;		
k.	Pump function	more than 40 L/min;		
1.	Nominal pressure	More than 15 Mpa;		
m.	Steering system	Hydraulic;		
n.	Service break	wet, disc type mechanically actuated;		
0.	Parking break	mechanical, hand actuated;		
p.	Front/rear wheels	13/18 (can be more or less);		
q.	Front/rear trades	2200 mm (can be more or less);		
r.	Length/width/ height –	5000 x 2000 x 3000 mm (since the operation is in a shade, smaller size is preferable);		
S.	Wheel bath	2000 mm (can be shorter or longer than this);		
t.	Weight without ballast weights	less than 5000 kg;		

u. Built	Safety frame with sun canopy
v. Drive	2-wheel drive
w. Tyre	Standard manufacturer size for front
	and rear
x. Engine	4 cylinders
y. Hitching system	Hitching system for compost turner operations

2. Compost turner or Compost System "ST 350" or Equivalent;

Item Type	Description	Quantity
Compost turner (Compost System-ST 350) or Equivalent		
Item Type	Description	
Type	Tractor pulled semi manual type;	
Model	That can fit with the tractor that has specs	
Wodel	listed under number 1 in this document;	
	With a rotor length of 3.5 m and a heap	
	cross- section of about 4 m ² ;	
	That works well with a push axle even	
Dimensions	without creeper speed;	
	With transport height of less than 2	
	Meter because our shades have low	
	heights;	
	That can be easily lifted from the heap at	
	any time and transport;	
	That can stabilize lateral forces to ensure	
	it is not transferred to the tractor;	
	Has maximum width of 4 Metter;	
	Transport weight should be less than 3	
	tone and including counter weight less	
	than 9 tone;	
	Has capacity of turning quantity 1,200 m3	
Tuning capacity	/h;	
	Working speed should be between 100-	
Working speed	500 m/h;	
Material	Stainless steel rotor tunnel;	
color	Has a gray color;	

3. Compost fleece (Compost System Cover or Equivalent;

Item Type	Description	Quantity
Compost fleece (Compost System Cover or Equivalent		Sixty (60)
		Rolls
Length	5-meter width 50-meter by length;	
Fibers	Polypropylene (non-woven);	
Color	Black;	
Thickness	1/16 inch or 1.8mm (+- 0.2 mm);	
Weight	.37 lb./sq. yd or 200 g/sq. m (+- 20 g);	
Air Permeability	200 to 400 cfm;	
Water Shedding	99% or better ² ;	
Finish treatment	Thermal stabilization (i.e., heat treated on one side);	

4. Digital Thermometer: The Specification or Equivalent;

Item Type	Description	Quantity
Digital Thermometer: The Specification or Equivalent;		12 (twelve) Pcs
Type	Digital	
Display and Feature	1 3/4" easy-to-read dial;	
	20" stem;	
	Plastic No fog lens;	
Material	All Stainless-Steel Construction;	
Others	Very of +/- 1% full scale;	