**Minimum Specifications Requirements**

**Negotiated Bid 300-22-71768**

**Golf Course Maintenance Equipment**

**Minimum Specifications**

1 x Power bunker rake/machine:

3 wheel drive unit

V-Twin 18 HP 4 cycle gas engine or bigger, air cooled, electronic ignition

3 phase Donaldson air cleaner system

Hydrostatic drive to all 3 wheels

Heavy duty hydraulic drive motors

Hydraulic cooler and fan system

Traction pedal controls forward and reverse traction

Manual hand lever parking brake

Hydraulic power steering

Hydraulic lift/lower control front and rear attachments

Hydraulic flex steel push blade. 4 position hydraulic control.

Mid mount/belly tiller bar system

Multi-section rake with tiller teeth assembly

Quick attach couplings front and rear for blade and attachments

Light kit

Welded rectangular steel frame

22 x 11.00 x 8 pneumatic knobby tires(3)

2 year warranty

1 x 300 Gallon Hydraulic Self Contained Spray Unit:

50 hp 4 cylinder liquid cooled gas engine, fuel injection.

Mid mount radiator and hydraulic cooler unit.

Hydrostatic drive planetary gear drive to rear wheels.

Foot pedal control for forward and reverse.

Rear tires: 26.5” 6 ply turf tire.

Front tires: 23” smooth rounded profile 4 ply tires.

Welded steel frame.

Steering: fully hydraulic

Gage package: ignition switch, spray pressure gage, fuel gage, battery voltage gage, oil pressure sensor, coolant temperature gage,

Spray control computer package: Throttle control/governor, spray pump switch, tank agitation switch, individual boom section switches, master boom switch, speed lock, manual/automatic spray mode, boom lift /lower switch, manual application rate control(pressure) switch, USB port, 12 volt power port.

Automatic, spray rate control via spray control computer system.

2 person seating.

12 volt electronic system/60 amp alternator.

Light package.

300 gallon elliptical , high density, impact resistant poly tank with 16 inch fill port.

364/10.0 6 diaphragm positive displacement pump, flow rate 45 GPM/220PSI max.

Agitation: 4 side mount jet nozzle.

Boom: 20.5 feet wide, triangle truss style open bottom frame with 4 nozzles per section/total 12 nozzles.

Triple turret nozzle bases with diaphragm check valves. Spray tips to be determined.

Foam marking kit: Electronic control, pump, tips.

30 gallon fresh water rinse tank kit.

2 year warranty

1 x 175 gallon Self Contained Spray Unit:

25 HP twin cylinder air cooled gas engine.

3 speed forward/1 speed reverse transmission, mechanical transaxle with differential lock.

4 wheel hydraulic disc brakes.

Welded tube steel frame.

Full hydraulic power steering.

Seat; high back cushion seat/ manual adjustment forward /back.

Controls: ignition switch, choke, headlight switch, hour meter, speed lock.

175 gallon elliptical high density, impact resistant poly tank with 16” fill opening, tapered bottom with sump and drain.

364/5.5 6 diaphragm positive displacement pump, flow rate 45 GPM at 40PSI.

Agitation; 3 side mounted jet nozzles.

3 section 18.5 foot boom. Triangle truss style open booms.

Heavy duty hydraulic lift cylinders raise/lower outer boom sections.

12 turret nozzle bases, triple nozzle set up, quick disconnect with diaphragm check valves.

Spray tip selections made at time of delivery.

Fresh water rinsate kit.

150’ hose reel/hose for hand spray applications. Electric power rewind on reel.

Foam marking kit.

LED light kit.

Raise and lower, 360 degree rotation on nose.

Must be exactly 175 gallons due to weight considerations and sensitive area usage.

**Delivery of all units to the following location:**

Indiana Department of Natural Resources

Division of State Parts/Res.

The Garrison (Ft. Harrison SP)

6002 N. Post Road

Indianapolis, IN 46216-0143

**Cost to include credit for the following trade-in items:**

Toro 1200 Spray Unit in Fair Condition

Groundsmaster 325,70269 in Poor Condition

Groundsmaster 3000, 70138 in Poor Condition

Note: All trade-ins to be used by property until picked up by vendor upon delivery of new units.